BID ADDENDUM NO. (1)

2/24/2026
Prattsburgh Central School District
2025 Capital Improvements Project
2716-043

(SED #57-23-01-04-0-001-034 – Main Building)
(SED #57-23-01-04-0-008-012 – Agricultural Building)
(SED #57-23-01-04-0-002-012 – Auxiliary Building)
(SED #57-23-01-04-7012-001 – Toilet Room Facility)
(SED #57-23-01-04-2-005-001 – Home Dugout)

The following Addendum items shall be considered a part of the contract documents prepared by HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT, DPC. Bid Document date of (12/18/2025).

Clarifications issued by this Addendum:

1. Last day to receive RFI's is March 4th.

Project Manual Sections issued by this Addendum:

01 10 00 – Summary

08 71 00 – Door Hardware

32 18 29 – Synthetic Field Sport Surfacing

Drawings issued by this Addendum:

AD1-A1 – SOFFIT DETAIL @ SECOND FLOOR CLASSROOMS

AD1-P1 – WATER CONNECTION SCHEMATIC

MB-CO1.1 – CODE COMPLIANCE PLANS

MB-A9.1 – INTERIOR FINISH SCHEDULES

MB-E2.2 – FIRST FLOOR LIGHTING & FA PLAN – AREA A

MB-E3.2 – SCHEDULES & DETAILS

TR-CO1.1 – CODE COMPLIANCE PLANS

Revisions to Project Manual issued by this Addendum:

ITEM AD1-1 Refer 01 10 00 - Summary

DELETE Specification Section 01 10 00 - Summary in its entirety.

ADD Specification Section 01 10 00 – Summary, issued by this addendum.

ITEM AD1-2 Refer to 08 71 00 – Door Hardware

DELETE Specification Section 08 71 00 – Door Hardware in its entirety.

ADD Specification Section 08 71 00 – Door Hardware issued by this addendum.

ITEM AD1-3 Refer to 32 18 29 – Synthetic Field Sport Surfacing

DELETE Specification Section 32 18 29 – Synthetic Field Sport Surfacing in its entirety.

ADD Specification Section 32 18 29 – Synthetic Field Sport Surfacing issued by this addendum.

Revisions to Drawings issued by this Addendum:

ITEM AD1-4 Refer to Drawing MB-CO1.1 CODE COMPLIANCE PLANS

DELETE Sheet MB-CO1.1 CODE COMPLIANCE PLANS IN ITS ENTIRETY

ADD Sheet MB-CO1.1 CODE COMPLIACNE PLANS, issued by this addendum.

ITEM AD1-5 Refer to Drawing MB-A2.6 – SECOND FLOOR RCP PLAN – AREA B

AMEND Detail #1 as shown on drawing AD1-A1 – SOFFIT DETAIL @ SECOND FLOOR CLASSROOMS as issued with this addendum.

ITEM AD1-6 Refer to MB-A9.1 INTERIOR FINISH SCHEDULES

DELETE Sheet MB-A9.1 INTERIOR FINISH SCHEDULES in its entirety.

ADD Sheet MB-A9.1 INTERIOR FINISH SCHEDULES, issued by this addendum.

ITEM AD1-7 Refer to MB-E2.2 – FIRST FLOOR LIGHTING & FA PLAN – AREA A

DELETE Sheet MB-E2.2 – FIRST FLOOR LIGHTING & FA PLAN - AREA A in its entirety.

ADD Sheet MB-E2.2 – FIRST FLOOR LIGHITNG & FA PLAN – AREA A, issued by this addendum.

ITEM AD1-8 Refer to MB-E3.2 – SCHEDULES AND DETAILS

DELETE Sheet MB-E3.2 – SCHEDULES AND DETAILS in its entirety.

ADD Sheet MB-E3.2 – SCHEDULES AND DETAILS, issued by this addendum.

ITEM AD1-9 Refer to Drawing TR-CO1.1– CODE COMPLIANCE PLANS

DELETE Sheet TR-CO1.1– CODE COMPLIANCE in its entirety.

ADD Sheet TR-CO1.1 – CODE COMPLIANCE PLANS, issued by this addendum.

ITEM AD1-10 Refer to AX-1.1 AUXILIARY ROOF PLAN

DELETE Sheet AX-1.1 AUXILIARY ROOF PLAN in its entirety.

ADD Sheet AX-A1.1 – AUXILIARY ROOF PLAN, issued by this addendum.

ITEM AD1-11 Refer to Drawing AG-A0.1– FIRST FLOOR DEMOLITION PLAN

DELETE General Note M from General Demo Notes.

ITEM AD1-12 Refer to Drawing AG-P1.1 - FIRST FLOOR AND ROOF PLANS

AMEND Detail #1 as shown on drawing AD1-P1 – WATER CONNECTION SCHEMATIC as issued by this addendum.

End of Addendum (#1)

SECTION 01 10 00
SUMMARY

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Project identification.

B. Work covered by Contract Documents.

C. Work sequence.

D. Contractor use of premises.

E. Occupancy requirements.

1.2 RELATED REQUIREMENTS

A. Section 01 50 00 - Temporary Facilities and Controls.

1.3 PROJECT

A. Project Name: Capital Project 2025
Contract Documents, dated 12/18/2025 were prepared for the Project by Hunt Engineers, Architects, Land Surveyors & Landscape Architect, DPC, Airport Corporate Park, 100 HUNT Center Horseheads, NY 14845.

B. Owner's Name: Prattsburgh Central School District.
1 Academy Street
Prattsburgh, NY 14873

C. Architect's Name: Hunt Engineers, Architects, Land Surveyors & Landscape Architect, DPC.
Airport Corporate Park
100 Hunt Center
Horseheads, NY 14845-1019
Phone: 607-358-1000
Fax: 607-358-1800
Contact: Jacob Zurlick

D. Construction Manager: LeChase Construction Service, LLC
Address11849 East Corning Road, Suite 102
Corning, NY 14830
Contact: Cameron Sprague

E. The project scope includes general renovations at the Main Building including interior renovations and upgrades to classrooms, corridors and gymnasium. Improvements also include door replacements, HVAC climate control improvements, elevator modernization, fire alarm improvements, technology improvements, electrical improvements and plumbing improvements. Exterior improvements include parking lots, athletic fields, accessibility improvements, storm water management improvements and canopy extension. At the Auxiliary building location scope includes roof replacement and associated work. At the Agricultural building location includes roof replacement, toilet room improvements and electrical service entrance improvements. The construction of a new Toilet Room Facility includes toilet rooms, concession area and storage, utilities, electrical and technology systems, septic system and related infrastructure. Athletic field improvement locations include construction of new home and visitor dugouts, batting cages and associated athletic improvements.

1.4 CONTRACT DESCRIPTION

A. The project will be constructed under a multiple Prime Contract Agreement.
   1. Prime Contracts are separate contracts between the Owner and independent contractors, representing significant construction activities. Each Prime Contract is performed concurrently, and closely coordinated, with construction activities performed on the Project under other Prime Contracts.

B. Prime Contracts for this Project include:
   1. Bid Prime Contracts:
      a. General Trades
      b. Mechanical
      c. Electrical
      d. Plumbing
      e. The work of each separate Bid Prime Contract is identified in this section .

1.5 OWNER OCCUPANCY

A. Owner intends to occupy the Project upon Substantial Completion.

B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.

C. Schedule the Work to accommodate Owner occupancy.
   1. Prior to partial Owner occupancy, mechanical and electrical systems shall be fully operational. Required inspections and tests shall have been successfully completed. Upon occupancy, the Owner will operate and maintain mechanical and electrical systems serving occupied portions of the building.
   2. Upon occupancy, the Owner will assume responsibility for maintenance and custodial service for occupied portions of the building. However, the Owner will not clean up behind contractors; responsibility for any debris caused by contractor operations remains with the Prime Contractor.

D. The Owner reserves the right to occupy and to place and install equipment in completed areas of the building prior to Substantial Completion, provided that such occupancy does not interfere with completion of the work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total work. Cooperate fully with the Owner or its representatives and Architect/Engineer during construction operations to minimize conflicts and facilitate owner’s usage.

1.6 CONTRACTOR USE OF SITE AND PREMISES

A. Construction Operations: Limited to areas noted on Drawings. Do not disturb portions of the site beyond the areas in which the work is indicated.

B. Arrange use of site and premises to allow:
   1. Owner occupancy.
   2. Work by Others.
   3. Use of site and premises by the public.

C. Provide access to and from site as required by law and by Owner:
   1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
      a. All exit and escape windows shall be maintained at all times.
   2. Do not obstruct roadways, sidewalks, or other public ways without permit.
   3. Do not use driveways, entrances or sidewalks for parking or storage of materials.
   4. Keep temporary driveways and entrances serving the premises clear and available to the Owner, Architect, Construction Manager and emergency vehicles at all times.

D. Existing building spaces may not be used for storage.

E. Time Restrictions:

1. Work hours shall be between the hours of 7:00 AM and 4:00 PM daily, Monday through Friday, except when it interferes with the Owner's activities.
   a. Shift work between the hours of 4:00 PM and 7:00 AM, or on weekends, may occur with the permission the Construction Manager.
2. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

F. Any work that requires disruption to the occupants, entry/exits, utilities, etc shall be coordinated with and approved by the Construction Manager.

G. Utility Outages and Shutdown:
1. Limit disruption of utility services to hours the building is unoccupied.
2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to Owner and authorities having jurisdiction.
3. Prevent accidental disruption of utility services to other facilities.

H. Construction Staging Area:
1. Contractors will be instructed to use designated staging/parking areas before start of construction.
2. All staging of equipment, trailers, storage containers, etc to be coordinated through the Construction Manager and cannot interfere with any other Contractor's work.
3. Activity in the staging area shall be conducted in a manner that causes minimal disruption of the Owner's activities.

1.7 WORK SEQUENCE

A. All Work will be conducted in a number of continuous phases to provide the least possible interference to the activities of the Owner's personnel and to permit the facilities to be partially utilized during implementation of the work.
1. The Contractor is expressly forewarned that impacts to the construction schedule during any phase or portion of the project will not be permitted.

B. Schedule: Refer to the milestone / phasing schedule included in Section 01 32 16 - Construction Progress Schedule.

C. Should overtime or second shift work be required by a Prime Contractor to ensure the completion within the specified (phased) schedule, all costs for this work is the responsibility of the Contractor. The Construction Manager shall have the authority to direct the contractors and subcontractors to work overtime including weekends to maintain the schedule at no additional cost to the Owner. Prime Contractors warrant that the work shall be physically complete, including punch list, startup, and commissioning, within the early start and late finish schedule milestones.

D. Each Prime Contractor shall provide multiple crews to maintain project schedule. Each crew is to be furnished with its own supervision, cranes, scaffold and other means necessary to maintain the Project Schedule.

E. The intention of the work is to follow a logical sequence; however, the Prime Contractor may be required by the Construction Manager to temporarily omit or leave out any section of his work, or perform his work out of sequence. All such out of sequence work and returning to these areas shall be at no additional cost to the Owner.

F. Each Contractor is responsible for supervision of their Sub-Contractors at all times.

1.8 REQUIREMENTS OF ALL CONTRACTS

A. Extent of Contract: Unless the Contract Documents contain a more specific description of the Work, names and terminology on Drawings and in Specification Sections determine which contract includes a specific element of Project.

1. Unless otherwise indicated, the Work described in this section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
2. Local custom and trade-union jurisdictional settlements do not control the scope of the Work of each contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, affected contractors shall negotiate a reasonable settlement to avoid or minimize interruption and delays.
3. Trenches, at the interior of building footprints, whether existing or planned, for the Work of each contract shall be provided by each Contractor for its own Work.
    a. For trenches at existing interior concrete slabs on grade:
        1) The Contractor requiring the trench shall mark out location of required trench.
        2) The General Trades contractor shall saw cut and remove the concrete.
        3) The Contractor requiring the trench shall excavate; install the work; backfill and compact up to the subbase level.
        4) The General Trades contractor shall install the base material and replace the concrete slab as detailed on the Drawings.
        5) The General Trades Contractor shall patch floor finishes to match or as detailed or scheduled on Drawings.
        6) All Contractors shall refer to Contract Documents for applicable specification sections and details.
4. Cutting and patching for the Work of each contract shall be provided by each contractor for its own Work, except as outlined for trenches above.
5. Firestopping for the Work of each contract shall be provided by each Contractor for its own Work.
6. Within ten (10) working days after preliminary horizontal bar-chart-type construction schedule submittal has been received from General Trades Contractor, submit a matching preliminary horizontal bar-chart schedule showing construction operations sequenced and coordinated with overall construction.

B. One set of documents is issued covering all Prime Contracts. EACH PRIME CONTRACTOR shall be responsible for all work shown on all drawings and sections for complete understanding and knowledge of the work. All Prime Contractors are responsible for all work under their contract no matter what drawing, specification or related specification in which that work appears, including drawings of other trade disciplines.

C. The Following Drawings and Specifications are specifically included and defined as integral to EACH Prime Contract:
    1. Drawings:
        a. G1.1 - Symbols and Abbreviations.
        b. CO Series - Code Compliance Plans.
    2. Specifications:
        a. Division 01 - General Requirements:
            1) All Specification Sections within this Division are owned by ALL contracts.
        b. Division 02 - Existing Conditions:
            1) Specification Section 02 41 00 - Demolition.
        c. Division 07 - Thermal and Moisture Protection
            1) Specification Section 07 84 00 - Firestopping:
                (a) All contractors to provide Firestopping for their own trade’s penetrations through all fire-rated walls.
            2) Specification Section 07 92 00 - Joint Sealants:
                (a) All contractors to provide joint protection of their own trade’s work.
        d. Division 08 - Openings:
            1) Specification Section 08 31 00 - Access Doors and Panels
                (a) All contractors to furnish Access Doors and Panels for their own trade’s work.
                (b) Access Doors and Panels to be installed by General Trades Contractor.
                (c) Include locations of Access Doors and Panels in shop drawings and furnish to General Trades Contractor.
        e. Division 09 - Finishes

1) All contractors to refer to Room Finish Schedule and all Finish Keys within drawings in coordination with all finishes for each trade.

D. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the Work.

E. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Section 01 50 00 - Temporary Facilities and Controls, each contractor is responsible for the following:
1. The Contractors shall assist the Architect and Owner in identifying a plan detailing how exiting required by the applicable building code will be maintained, and a plan detailing how adequate ventilation will be maintained during construction.
2. Installation, operation, maintenance, and removal of each temporary facility usually considered as its own normal construction activity, and costs and use charges associated with each facility.
3. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
4. Its own field office, complete with necessary furniture, utilities, and telephone service. The Contractor shall provide leveling, stone, and/or removals necessary to install Field Offices. At end of construction, when field offices are removed, each Contractor is responsible to return the area to its original condition, including any re-seeding required.
5. Its own storage and fabrication sheds.
6. Temporary enclosures for its own construction activities.
7. Hoisting requirements for its own construction activities, including hoisting material or equipment into spaces below grade, and hoisting requirements outside building enclosure.
8. Progress cleaning of its own areas on a daily basis.
9. Secure lockup of its own tools, materials, and equipment.
10. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.

F. Temporary Heating, Cooling and Ventilation: The HVAC Contract is responsible for temporary heating, cooling, and ventilation.

1.9 BID CONTRACT NO. 1 - GENERAL CONSTRUCTION

A. The General Trades Contractor shall be responsible for all work shown on Architectural (A), Landscape (L), and Structural (S) Drawings unless noted otherwise and any site work shown on all other drawings and further defined below:
1. Provide the complete work of Division 02 - Existing Conditions unless noted otherwise.
2. Division 03 - Concrete
   a. Specification Section 03 30 00 - Cast-in-Place Concrete including but not limited to:
      1) Provide equipment pads for all trades (all primes to lay out own concrete pads for GC installation).
      2) Provide cutting/patching for all trenches within the building (layout of trenches by each Prime Contractor).
      3) Interior slabs and all building foundations.
   b. Provide the complete work of Specification Section 03 54 00 - Cast Underlayment.
3. Provide the complete work of Division 04 - Masonry.
4. Provide the complete work of Division 05 - Metals.
5. Provide the complete work of Division 06 - Wood, Plastic and Composites.
   a. Provide ALL wood blocking on this project
   b. Coordinate wood blocking with all other Primes and any Owner furnished equipment to ensure all wood blocking is in place prior to wall enclosure. Cutting and patching after wall enclosure will be at the cost of the General Contractor.
6. Provide the complete work of Division 07 - Thermal and Moisture Protection, with the following exceptions:.
   a. Install all curbs and rails for rooftop mechanical equipment, as furnished by the Mechanical Contractor.
7. Provide the complete work of Division 08 - Openings as noted:

a. Install Access Doors and Panels furnished by other contractors.
b. Specification Section 08 71 00 - Door Hardware
1) Power, Access Control, and Fire Alarm wiring and final connections provided by Electrical Contractor.

8. Provide the complete work of Division 09 - Finishes, unless noted otherwise.
a. Specification Section 09 84 30 - Sound-Absorbing Wall and Ceiling Units
1) Power and final connections to be provided by Electrical Contractor for all LED electrical lighting devices in areas of sound absorbing systems.
9. Provide the complete work of Division 10 - Specialties with the following exceptions:.
a. Specification Section 10 12 00 - Display Cases:
1) Power and final connections to be provided by Electrical Contractor for all lighted display cases.
b. Specification Section 10 28 00 - Toilet, Bath, and Laundry Accessories
1) Power and final connections to be provided by Electrical Contractor for all electrically operated accessories.
10. Provide the complete work of Division 11 - Equipment with the following exceptions:
a. Specification Section 11 66 23 - Gymnasium Equipment
1) Power and final connections to be provided by Electrical Contractor for all electrically operated basketball backstops.
11. Provide the complete work of Division 12 - Furnishings.
12. Provide the complete work of Division 13 - Special Construction
13. Provide the complete work of Division 14 - Conveying Equipment with the following exceptions:
a. Power and final connections to all electrically operated conveying equipment to be provided by Electrical Contractor.
14. Provide the complete work of Division 31 - Earthwork with the following exceptions:
a. Specification Section 31 23 16.13 - Trenching:
1) Interior trenching for utilities shall be provided by Contractor requiring trench, as outlined in previous article.
2) Provide exterior trenching for all trades.
b. Specification Section 31 23 23 - Fill:
1) Fill for interior trenches for utilities shall be provided by Contractor backfilling trench, as outlined in previous article.
15. Division 31 - Earthwork:
a. Specification Section 31 23 16 - Excavation including but not limited to:
1) All excavations related to buildings slab on grade and foundations.
b. Specification Section 31 23 23 - Fill including but not limited to:
1) All fill related to buildings slab on grade and foundations.
16. Division 32 - Exterior Improvements:
17. Division 33 - Utilities:

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all General Trades Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

1.10 BID CONTRACT NO. 2 - PLUMBING

A. The Plumbing Contractor shall be responsible for all work shown on the Plumbing (P) Drawings and any plumbing work shown on all other drawings and specifications and further defined below:
1. Division 02 - Existing Conditions:
a. Specification Section 02 41 00 - Demolition:
1) Plumbing Contractor to be responsible for all demolition of items shown on plumbing drawings as well as all plumbing connections to equipment or devices to be demolished by other contractors.

2. Provide the complete work of Division 22 - Plumbing.

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all Plumbing Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

1.11 BID CONTRACT NO. 3 - MECHANICAL

A. The Mechanical Contractor shall be responsible for all work shown on the Mechanical (H) Drawings and any mechanical work shown on all other drawings and specifications and further defined below:
1. Division 02 - Existing Conditions:
a. Specification Section 02 41 00 - Demolition:
1) Mechanical Contractor to be responsible for all demolition of items shown on Mechanical Drawings as well as all mechanical connections to equipment or devices to be demolished by other contractors.
2. Division 22 - Plumbing:
a. Specification Section 22 10 05 - Plumbing Piping and Specialties limited to:
1) Final connections of equipment condensate made by HVAC Contractor. Storm Water taps provided by Plumbing Contractor.
3. Provide the complete work of Division 23 - Heating, Ventilating and Air-Conditioning (HVAC), with the following exceptions:.
a. Furnish all curbs and rails for rooftop mechanical equipment and turn over to the General Trades Contractor for installation.

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all Mechanical Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

1.12 BID CONTRACT NO. 4 - ELECTRICAL

A. The Electrical Contractor shall be responsible for all work shown on Electrical (E) and Technology (T) Drawings unless noted otherwise, and any electrical work shown on all other drawings and further defined below:
1. Division 02 - Existing Conditions:
a. Specification section 02 41 00 - Demolition:
1) Electrical contractor to be responsible for all demolition of items shown on electrical drawings as well as all electrical feeds to equipment or devices to be demolished by other Contractors.
2. Division 06 - Wood, Plastic and Composites:
a. Specification Section 06 41 00 - Architectural Wood Casework including but not limited to:
1) Any lighting and electrical work associated with Architectural Wood Casework
3. Division 08 - Openings:
a. Specification Section 08 71 00 - Door Hardware including but not limited to:
1) Fire Alarm connection at all electrically operated hardware.
2) Provide power to all electrically operated hardware.
4. Division 09 - Finishes:
a. Specification Section 09 84 30 - Sound-Absorbing Wall and Ceiling Units
1) Provide power and final connections to all

5. Division 10 - Specialties:
    a. Specification Section 10 12 00 - Display Cases:
        1) Provide power and final connections to all electrically lighted display cases.
    b. Specification Section 10 28 00 - Toilet, Bath, and Laundry Accessories:
        1) Provide power and final connections to all electrically operated Toilet, Bath, and Laundry Accessories.
6. Division 11 - Equipment:
    a. Specification Section 11 66 23 - Gymnasium Equipment
        1) Provide all power and control wiring, and final connections for all electrically operated backboards.
7. Division 14 - Conveying Equipment
    a. Section 14 28 19 - Elevator Equipment
        1) Power and final connections to all electrically operated conveying equipment to be provided by Electrical Contractor.
8. Division 22 - Plumbing:
    a. Specification Section 22 30 00 - Plumbing Equipment including but not limited to:
        1) Provide power and electrical connections to Plumbing equipment.
9. Division 23 - Heating, Ventilating and Air-Conditioning (HVAC):
    a. Provide electrical connections to all electrically operated items associated with Divions 23 per manufacturers' requirements necessary for equipment to operate as intended.
10. Provide complete the work of Division 26 - Electrical
    a. Specification Section 26 06 03 - Exterior Scoreboard System:
        1) Foundations associated with scoreboards and play clocks shall be provided by General Trades Contractor.
        2) Provide conduits, power conductors, power distribution panel, locking disconnects, signal cables, and fiber optic cable to all components associated with the Work of this Section.
11. Provide the complete work of Division 27 - Communications.
12. Division 28 - Electronic Safety and Security.
    a. Provide the complete work of Specification Section 28 46 21.16 - Existing Fire Alarm System.

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all Electrical Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

D. The Contractor shall provide Installer Certification as part of the descoping process as outlined in the Submittals portion of Section 27 10 05 - Communications Copper Cabling.

E. The Contractor shall provide Installer Certification as part of the descoping process as outlined in the Submittals portion of Section 27 15 23 - Communications Optical Fiber Cabling.

1.13 NYS OGS STATEWIDE TERM CONTRACT NO. 5 - CONTROLS

A. The Controls Contractor shall be responsible for all controls work shown on Mechanical (H), Landscape (L), Electrical (E), and Technology (T) Drawings unless noted otherwise, and any controls work shown on all other drawings and further defined below:
    1. Division 23 - Heating, Ventilating, and Air-conditioning:
        a. Provide the complete work of Specification Section 23 09 23 - Direct-Digital Control System for HVAC.
        b. Provide the complete work of Specification Section 23 09 93 - Sequence of Operations for HVAC Controls.
        c. Coordinate this work with the Mechanical Contractor.

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all Controls Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

1.14 COOPERATIVE PURCHASE PRIME CONTRACT NO. 6 - ACCESS/SECURITY

A. The Controls Contractor shall be responsible for all controls work shown on Landscape (L), Electrical (E), and Technology (T) Drawings unless noted otherwise, and any controls work shown on all other drawings and further defined below:
   1. Division 28 - Electronic Safety and Security:
      a. Provide the complete work of Specification Section 28 10 00 - Access Control.
      b. Provide the complete work of Specification Section 28 20 00 - Video Surveillance

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all Controls Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

1.15 COOPERATIVE PURCHASE PRIME CONTRACT NO. 7 - SCOREBOARD(S)

A. The Scoreboards Contractor shall be responsible for all Scoreboards work shown on Electrical (E), Landscape (L), and Structural (S) Drawings, unless noted otherwise, and any Scoreboards work shown on all other drawings and further defined below:
   1. Division 09 - Finishes
      a. Specification Section 09 96 00 - High-Performance Coatings:
         1) Provide specified coatings on all Scoreboard Structural Steel components.
   2. Division 26 - Electrical
      a. Provide the complete work of Specification Section 26 06 03 - Exterior Scoreboard System, with the following exceptions:
         1) Foundations for the scoreboards shall be provided by the General Trades Contractor.
         2) Scoreboard Contractor shall furnish anchor bolts and templates to coordinate exact locations of embedded items in concrete foundations with the General Trades Contractor. Each Contractor shall monitor such items throughout concrete activities to ensure proper placement.
         3) Conduits, power conductors, power distribution panel, locking disconnects, signal cables, and fiber optic cable to all components associated with the Work of this Section provided by Electrical Contractor.

B. Furnish and install all labor, material, supervision, equipment, scaffolding, layout, engineering, deliveries, trucking, hoisting, rigging, shop drawings, submittals, and all other items related and required to complete all Scoreboard Work in accordance with the Contract Documents and all applicable codes having jurisdiction.

C. The Contractor represents they have expertise in the performance of Work for this trade and assures all items to be complete, functional and installed in accordance with the best practices consistent with premium quality material and workmanship.

1.16 ADDITIONAL NOTES TO CONTRACT DOCUMENTS

A. The following notes are integral to each Prime Contract:

1. All bidders are forewarned to review all information of the Contract Documents.
2. Review Section 01 23 00 - Alternates for Alternate bid pricing required in Prime Contractors scope of work.
3. Review Section 01 50 00 - Temporary Facilities and Controls for work requirements of temporary construction activities in Prime Contractor's scope of work.
4. All contractors are responsible for the layout and survey of their own work or work requirements.
5. All contractors are required to construct the project per the phasing and staging plan. Specific areas of the site and building must be completed for the intended use by the Owner, at the Milestone dates so listed. All contractors shall cooperate fully with the intentions of the plan. Contractors are forewarned that any delay caused indirectly or directly by the acts, omissions, and/or failure to perform by a contractor will result in the Owner, or its agents, accomplishing the work by any means possible. The contractor causing the delay will be responsible for any and all costs associated with such issues, including Owner costs, Architect/Engineer costs, inspections, etc.
6. All Contractors shall provide any and all temporary shoring, bracing, supports or protection systems necessary to expedite the work requirements including the maintenance of worker safety.
7. All contractors are responsible for the safety of their own workers, subcontractors, work area, and other personnel on site. Each and every contractor is responsible for maintaining a safe work site and utilizing best safety procedures.
8. In case of discrepancy between the Drawings and Specifications, interpretation shall be given preference in the following order, with later dates taking precedence over earlier dates:
   a. Addenda
   b. Amendments to the Drawings and Specifications
   c. Drawings and Specifications
   d. Schedules, Piping & Wiring Diagrams take precedence over other data shown on the drawings.
   e. Notes take precedence over other data shown on the drawings, except Schedules, Piping & Wiring Diagrams.
9. If discrepancies are found between the plans and specifications, include the more costly detail to the bid price.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.1 CONSTRUCTION MANAGER

A. Coordination activities of the Construction Manager include, but are not limited to, the following:
   1. Provide overall coordination of the Work.
   2. Provide overall coordination of temporary facilities and controls.
   3. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
   4. Coordinate construction and operations of the Work with work performed by each contract.
   5. Coordinate sequencing and scheduling of the Work. Include the following:
      a. Initial Coordination Meeting: At earliest possible date, arrange and conduct a meeting with separate contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
      b. Distribute copies of schedules to Architect, Owner, and separate contractors.
   6. Provide construction photography.
   7. Coordinate sequence of activities to accommodate tests and inspections, and coordinate schedule of tests and inspections.
   8. Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.

9. Coordinate cutting and patching.
10. Coordinate protection of the Work

3.2 COORDINATION

A. Each Prime Contractor shall coordinate scheduling and installation of work with the work of other Contractors, sub-contractors and other trades. Each Prime Contractor is also required to coordinate all work of their Contract with Owner-supplied materials, direct contacts and normal building operations.

B. Each Prime Contractor shall supply and coordinate exact locations of embedded items in concrete or masonry work with the General Contractor. Each Prime Contractor shall monitor such items throughout concrete/masonry activities to ensure proper placement.

C. MECHANICAL, ELECTRICAL, AND PLUMBING Prime Contractors shall be responsible for providing any rough opening or masonry opening dimensions to the General Trades Contractor. FOR ALL NEW WORK. MECHANICAL, ELECTRICAL, AND PLUMBING Prime Contractors shall be responsible for any rework or additional work required due to their failure to provide this information prior to the schedule start of wall construction.

D. Each Contractor shall coordinate all device and rough-in locations required with the casework shop drawings.

E. Each Contractor shall take special care in verifying that his equipment matches the characteristic of the power being supplied. The Electrical Contractor shall coordinate electrical power requirements with Each Contractor for all equipment requiring power

END OF SECTION

SECTION 32 18 29
SYNTHETIC FIELD SPORT SURFACING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Drainage Base Layer, including subgrade preparation, subbase stone and drainage pipe.

B. Synthetic Grass System for Athletic Field including carpet, infill and markings.

1.2 RELATED REQUIREMENTS

A. Section 31 22 00 - Grading.

B. Section 31 23 16 - Excavation.

C. Section 31 23 23 - Fill.

D. Section 32 33 45 - Athletic Field Equipment.

E. Section 33 41 16.16 - Geocomposite Subdrainage.

1.3 REFERENCE STANDARDS

A. ASTM D1335 - Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings; 2021.

B. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3)); 2012 (Reapproved 2021).

C. ASTM D2256/D2256M - Standard Test Method for Tensile Properties of Yarns by the Single-Strand Method; 2021.

D. ASTM D2859 - Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials; 2016 (Reapproved 2021).

E. ASTM D422 - Standard Test Method for Particle-Size Analysis of Soils; 1963 (Reapproved 2007).

F. ASTM D4491 - Standard Test Methods for Water Permeability of Geotextiles by Permittivity.; 1999a (Reapproved 2014).

G. ASTM D5823 - Standard Test Method for Tuft Height of Pile Floor Coverings; 2019.

H. ASTM D5848 - Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Coverings; 2010.

I. ASTM D6938 - Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth); 2023.

J. ASTM D698 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft3 (600 kN-m/m3)); 2012 (Reapproved 2021).

K. ASTM F2898 - Standard Test Method for Permeability of Synthetic Turf Sports Field Base Stone and Surface System by Non-confined Area Flood Test Method; 2011 (Reapproved 2019).

L. NFHS (Guide) - Court and Field Diagram Guide; current edition.

M. STC (GCRI) - Guidelines for Crumb Rubber Infill Used in Synthetic Turf Fields; 2010, Revised (2014).

N. ASTM C88 - Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate.

O. ASTM D1577 - Standard Test Method for Linear Density of Textile Fibers; 2007 (Reapproved 2018).

P. ASTM D5034 - Standard Test Method for Breaking Strength and Elongation of Textile fabrics (Grab Test).

Q. ASTM F1015 - Standard Test Method for Relative Abrasiveness of Synthetic Turf Playing Surfaces.

R. ASTM F3188 - Standard Specification for Extractable Hazardous Metals in Synthetic Turf Infill Materials.

S. Synthetic Turf Council - Suggested Guidelines for the Essential Elements of Synthetic Turf Systems

1.4 SUBMITTALS

A. Within 72 hours of Bid Opening, as requested, the Contractor shall submit:
   1. Three (3) copies of a list of references from 10 similar exterior installations of the specified material with comparable square footage to this project in the last five years.
   2. Three (3) copies of the required prepaid insurance policy supported from a third party, A.M. Best, A-rated or better domestic insurance carrier.
   3. Three (3) copies of the Product Data, Detailed Specifications and Literature for the synthetic turf system and the individual components, including but not limited to the fiber, primary and secondary backing, rubber infill materials, and adhesives. Submittal shall include all properties, characteristics, and testing results listed in this specification.
   4. One (1) boxed 10 x 10 inches minimum sample of proposed synthetic turf system. Box must allow visibility of the proposed turf section.
   5. One (1) 18 x 18 inches minimum sample of the carpet with the fiber in place, without infill, including the primary and secondary backing.
   6. The Contractor shall provide in writing the names of three (3) existing clients for whom significant after-the-sale service work has been performed or for whom the Contractor has performed Warranty Services.

B. Two (2) weeks prior to ordering of materials, the Contractor shall submit the following information below as a complete submittal. Because of the nature of the submittal, submittal review will not commence until all information is provided. All certifications, test results, shop drawings and other product information shall be checked and stamped as approved by the Contractor before submittal to the Architect.
   1. Samples:
      a. One (1) boxed 10 x 10 inches min. sample of the proposed synthetic turf system - illustrating details of the complete and finished synthetic turf system product. including the infill materials as proposed to be installed. Box must allow visibility of the proposed turf section.
      b. Two (2) - one quart samples of the sand infill material.
      c. Two (2) - one quart samples of the rubber infill material.
      d. Two (2) - 18 x 18 inches min. samples of the carpet with the fiber in place, without infill, including the primary and secondary backing.
      e. Two (2) - 6 x 12 inches min. samples of all available fiber colors for game lines and markings for final selection by the Owner.
   2. Certifications, Five (5) copies each:
      a. Documentation certifying that the Contractor has an additional prepaid insurance policy in place from a third-party "A"-rated domestic insurance carrier in accordance with the requirements specified in the Quality Assurance Section of this specification.
      b. Sample Warranty: The Contractor and the Turf Manufacturer shall provide a sample copy of insured, non-prorated warranty and third-party insurance policy information which meets or exceed all of the warranty requirements defined in this specification.
      c. A signed letter from the Contractor and Turf Manufacturer that certifies:
         1) The products utilized for the synthetic turf system meet or exceed the specified requirements contained in this Specification and in the Contract Drawings. The letter shall include a written statement from the Turf Manufacturer detailing both the synthetic turf warranty period and the expected useful life of the turf.

2) No lead or lead chromate components are utilized in the manufacturing of the turf system.
3) The turf system complies with and meets the latest standards of the STC (GCRI) - Synthetic Turf Council guildines and recommendations for installation and rubber infill materials.
4) The turf system does not violate any other manufacturer's patents, patents allowed or patents pending.
5) All of the required manufacturing and installation experience and training certification requirements specified in the Quality Assurance Section of this specification will be met.

3. Documenation of Experience:
   a. Resume of Installation Supervisor who will be present on site throughout the duration of installation.
   b. Resumes of Designated Installation Crew.
   c. References for Contractor and Turf Manufacturer experience required in the Quality Assurance Section of this specification.
   d. Certification by Turf Manufacturer of designated installation crew and Installation Supervisor.
4. Turf Laboratory Test Results: Five (5) Certified copies of independent (third-party) laboratory testing reports for the following tests:
   a. Pile height, face width and total fabric weight - per ASTM D5848.
   b. Primary and secondary backing weights - per ASTM D5848.
   c. Tuft bind - per ASTM D1335.
   d. Grab tear strength - per ASTM D5034.
   e. Pill Burn test - per ASTM D2859.
5. Subbase and Chocker Stone Gradation Calculations and Laboratory Test Results, five (5) copies each:
   a. All testing and gradation calculations shall be performed by a certified independent testing firm - retained and paid for by the aggregate supplier.
   b. Gradation Test Results for aggregate materials defined in Section 2.1 Drainage Base Layer Materials of this specification.
   c. Maximum dry density attainable through the Standard Proctor compaction test, ASTM D698.
6. Financial Statements; The Contractor and the Turf Manufacturer - at the Request of the Architect, shall provide a current audited company financial statement for each of the past three (3) years.
7. Five (5) copies of all Product Data, Detailed Specifications and Literature shall be submitted for the overall synthetic turf system and the individual components, including but not limited to the fiber, primary and secondary backing, rubber infill materials, drainage rate for complete installed system, adhesives, and the recommended field groomer. Submittal shall include all properties and characteristics listed in this specification. The Turf Manufacturer must submit the fiber manufacturer's name, type of fiber and composition of fiber.
8. Five (5) copies of Installation Procedures shall be submitted for the synthetic turf system and individual components.
9. Shop Drawings shall be submitted which include the following, five (5) copies each:
   a. Field Layout
   b. Field Marking Plans (in color), drawn to a scale of no greater than 1 inch = 30 feet with the required line and marking colors clearly shown, including all details and dimensions for all markings and their layout for the high school sports of Football, Soccer and Lacrosse. Provide individual plans for each sport and a composite plan that shows the lines and markings for all sports. Details shall be at a scale that provides a clear presentation.
   c. Roll/Seaming Layout Plan.
   d. Methods of attachment, field openings and perimeter conditions. Include all details for conditions where synthetic turf will be applied to covers, plugs, etc.

C. Prior to installation of the carpet, the General/Site Contractor shall submit a minimum of three (3) copies of the following:
   1. An As-Built Topographic Survey of the Prepared Finishing Stone Aggregate shall be performed and submitted per the requirements of Field Quality Control Section of this specification.
   2. A signed letter that that planarity checks have been performed on the Finishing stone aggregate layer in accordance with the requirements of Section 3.1 Examination of this specification.

D. Prior to Final Acceptance, the Contractor shall submit a minimum of three (3) copies of the following:
   1. Field Maintenance Manuals, which will include all necessary instructions for the proper care and preventative maintenance for the synthetic turf system.
   2. Project Record Documents: Record actual locations of seams, anchors or other pertinent information.
   3. Warranty: Submit Manufacturer Warranty and ensure that forms have been completed in the Owner's name and registered with Manufacturer.

1.5 QUALITY ASSURANCE

A. Provide a full-time on-site Installation Supervisor to review and coordinate the installation of the entire synthetic turf system, including subgrade preparation, and installation of the subbase and drainage system. Installation Supervisor must be present on-site through the duration of the installation.

B. The Contractor shall meet the following criteria:
   1. Substantiate the ability to secure bonding capacity in excess of $1,000,000 for this project.
   2. Demonstrate a track record where the Surety or Bonding Company has not been required to finish work.
   3. Demonstrate a financial strength to fully service and warrant the systems during the period of the warranty.

C. Manufacturer/Installer's Experience:
   1. The Turf Manufacturer must be experienced in the manufacture and installation of this specific type of artificial turf system and provide references of this specific synthetic turf from 100 similar exterior installations, 15 of which must have occured in the State of New York, of the specified material with comparable square footage to this project.
   2. The Contractor must have actively been in business, under its current name and ownership for at least the past five years; and must have a minimum of 25 sythentic turf fields in the United States that are currently in use and have been in use for at least five years.
   3. The Contractor must provide competent workmen skilled in this specific type of synthetic turf installation.
      a. The designated Installation Supervisor on the project must be certified, in writing by the turf manufacturer, as competent in the installation of this material, including sewing, cutting, gluing, shearing seams, proper installation of the infill mixture and brushing operations. This supervisor must be certified by the distrubutor and have installed at least 25 synthetic turf systems of a similar size in the past 5 years.
      b. The designated installation crew shall be certifed in writing by the Turf Manufacturer and have installed at least 25 synthetic turf systems of a similar size in the past 5 years.
   4. The Contractor shall have a representative on-site to certify the installation and warranty compliance.
   5. The Contractor and/or Turf Manufacturer shall not have had a surety or bonding company finish work on any contract within the last 3 years.
   6. The Contractor and/or Turf Manufacturer shall never have been disqualified or barred from performing work from any public entity.

1.6 WARRANTY

A. The Contractor and Turf Manufacturer shall provide a warranty to the Owner that includes the following in writing:
   1. The turf warranty shall be from a single source, single policy and shall provide full coverage for all defects in all materials and workmanship of the synthetic turf system for its intended usability and playability for a period of five (5) years from the date of Final Completion and acceptance of the turf field. The Turf Manufacturer must verify that their on-site representative has inspected the installation and that the work conforms to the manufacturer's requirements.
   2. The turf warranty shall include general wear and damage caused from ultra-violet degradation.

3. The turf warranty shall specifically list what components and properties are covered by the warranty. The list shall include but not be limited to any and all defects or failures relating to construction of the synthetic turf system, drainage through the synthetic turf system, synthetic turf seam rupture, synthetic turf yarn ultraviolet stability; excessive wear and tensile strength.
4. The turf warranty shall cover defects in the workmanship of installation and further warrants that the installation was done in accordance with both the manufacturer's recommendations and any written directives of the manufacturer's on-site representative.
5. The turf warranty shall include all necessary materials, labor, transportation costs, etc., to complete repairs or replacements. The warranty shall guarantee the availability of the same or better replacement materials for the synthetic turf system for the warranty period. The turf warranty must cover full replacement value of the total square footage installed including removal and disposal of failed turf system.
6. The turf warranty shall be non-prorated and shall not place limits on the amount of field's usage.
7. The turf warranty shall clearly define the conditions under which the manufacturer considers the warranty to be void.
8. The turf warranty shall define the typical time frame within which repairs will be initiated by the synthetic Contractor, once notice has been received requesting repairs.

B. All designs, markings, layouts, and materials shall conform to all currently applicable National Federation State High School Association rules and other standards that may apply to this type of synthetic turf installation.

C. All components and their installation method shall be designed and manufactured for use on outdoor athletic fields used for sports listed previously. The materials as hereinafter specified, should be able to withstand full climatic exposure in the State of New York; be resistant to insect infestation, rot, fungus and mildew; to ultra-violet light and heat degradation, and shall have the basic non clogging characteristic of flow through drainage allowing free movement of surface run-off through turf where such water may flow through the gravel blanket and into the field drainage system. The adhesive bonding and sewn seams of all system components shall provide a permanent, tight secure and hazard free athletic playing surface. All sheared and glued adhesive bonded and sewn seams shall, at a minimum, remain in place throughout the duration of the warranty period.

1.7 FIELD QUALITY CONTROL

A. Aggregate Material Testing: The Contractor responsible for the installation of the stone base shall retain and pay for the services of an independent testing agency, subject to approval by the Owner, to provide the following testing services. If any tested material is found to be non-compliant with the requirements of the Contract Documents, the Contractor shall bear the cost of correcting the non-compliant condition, including if necessary, the removal of all non-compliant material from the project site and replacement of the materials to comply with the required specifications. All re-testing associated with noncompliant material shall be paid for by the Contractor.
1. In-Place Density Testing: Density testing shall be performed on the installed and prepared dynamic base stone in accordance with ASTM D6938. One density test will be performed per 2,500 SF of placed dynamic base stone.
2. The installed subbase shall drain at a rate of not less than 100 inches per hour.
3. Gradation Testing: Gradation testing shall be performed on the dynamic base stone delivered to the project site in accordance with ASTM D422, Standard Test Method for Particle Size Analysis of Soils.
4. Additional Testing: The Owner reserves the right to request that additional tests be performed that are deemed necessary to confirm that the installation of materials associated with the new synthetic turf playfield system comply with the requirements of tile Contract Documents.

B. As-Built Survey: The Contractor installing the aggregate base shall provide an as-built survey of the final compacted finishing stone deplicting the grades within the synthetic turf field area in half foot contours. The survey shall be performed and signed by a licensed Surveyor, Registered in the State of New York. The drawing shall be developed at a scale of 1 inch = 20 feet. The survey shall depict elevations in a grid pattern with maximum intervals between survey points of 20 feet in both directions, including elevations along the field crown line and perimeter boundary. Each survey point number and its corresponding elevation shall be shown on the as·built drawing using an established project bench mark. If any high and low spots are identified, adjustments shall be made by Contractor providing the aggregate base by adding or removing material to conform to the specified planarity and grades. Repair areas shall be re-graded and re-compacted to the specified tolerances prior to installing the finishing stone layer of the aggregate base course.

C. Infill Depth: Measurement of infill by Independent Testing Agency, approved by the Owner, to verify depth shall be taken at a minimum of ten (10) locations throughout each installed playfield. The amount of installed infill shall in all cases meet the minimum specified depth with an allowable tolerance of plus or minus ¼ inch.

1.8 MAINTENANCE

A. The synthetic Contractor shall provide training for the Owner regarding the recommended maintenance program for the synthetic turf field. The training shall include a detailed review of the turf maintenance manual required to be provided by the synthetic turf manufacturer.

B. Maintenance shall include site visit three months after installation and add/subtract infill material to account for typical break-in condition. Adjust Owners grooming equipment at time of installation and as necessary during the first three months of use to create optimum performance.

C. Extra Materials: Upon final completion, provide the following materials directly to the Owner in the minimum quantities specified:
1. Seaming Tape - 200 LF
2. Seaming Epoxy - One standard sized pail.
3. Turf fabric - 500 SF with at least one piece 15 feet wide by 10 feet long.
4. 4 inch Wide Colored Fabric - Minimum 100 LF of each color specified for inlaid linestriping.
5. 2,000 pounds of ground rubber infil in weatherproof containers.

PART 2 PRODUCTS

2.1 DRAINAGE BASE LAYER MATERIALS

A. Geotextile Filter Fabric: Non-woven polypropylene geotextile fabric. Mirafi 140N or approved equal as shown on drawings.

B. Geotextile Stabilization Fabric: Woven polypropylene geotextile fabric. Mirafi 500X or approved equal as shown on drawings.

C. Drainage Pipe: See Section 33 41 16.16 - Geocomposite Subdrainage.

D. Base Stone Aggregate Material: AASHTO #57 clean washed stone at a minimum depth of five (5) inches or per Turf Manufacturer recommendations.

Sieve	Approximate Percent Passing
1-1/2"	100%
1"	95-100%
1/2"	25-60%
#4	0-10%
#8	0-5%

E. Finishing Stone Aggregate Material: Crushed limestone blend, clean washed stone at a minmum depth of one (1) inch or per Turf Manufacturer recommendations.

Sieve	Approximate Percent Passing
1/2"	100%
3/8"	95-100%
#4	70-85%
#8	45-60%
#16	25-40%
#100	8-15%
#200	0-5%

2.2 SYNTHETIC GRASS SYSTEM

A. Manufacturers
1. A-Turf: www.aturf.com.
2. FieldTurf: www.fieldturf.com.
3. AstroTurf: www.astroturf.com.

B. General Carpet Requirements:
1. Shall have the characteristics of a flow-through drainage system allowing free movement of surface run-off through the turf and directly into the prepared aggregate base and into the field drainage system, The system and all components shall be non-toxic with respect to the users and the environment including no intentionally added PFAS.
2. Face Yarn Type: 100% U.V. resistant polyethylene blended multifilament system consisting of rigid monofilament strands and parallel-long slit film fibers.
3. Primary Backing: Double layered polypropylene porous fabric treated with U.V. inhibitors.
4. Secondary Backing: Porous, heat activated urethane to permanently lock fiber tufts in place.
5. Color: As shown on drawings and approved by Owner.
6. Construction: Broadloom tufted.
7. Furnished in 15' wide rolls.
8. Turf panels including inlaid markings, must be sewn, glued panel seams are not acceptable.
9. All markings are to be factory tufted or inlaid at the project site. No line painting will be allowed.

C. Minimum Carpet Properties:
1. Minimum Yarn Linear Density: minimum 5,000 denier for slit-film fibers and minimum 7,200 denier for rigid monofilament. (ASTM D1577)
2. Minimum Yarn Thickness: 100 microns for slit-film fibers and 240 microns for rigid monofilament.
3. Minimum Yarn Breaking Strength: 20 lbs. nominal. ASTM D2256/D2256M
4. Pile Height: 2 inches nominal. ASTM D5823
5. Minimum Pile Weight - 39 oz/sy minimum. ASTM D5848
6. Minimum Primary Backing Weight - 7.0 oz/sy minimum. ASTM D5848
7. Minimum Secondary Backing Weight - 16 - 22 oz/sy. ASTM D5848
8. Minimum Total Product Weight: 75 oz/sy. ASTM D5848
9. Minimum Tuft Bind: 8 lbs/force without infill. ASTM D1335
10. Minimum Grab Tear (width): >200 lbs/force (ASTM D5034)
11. Minimum Grab Tear (length): >200 lbs/force (ASTM D5034)
12. Minimum Permeability: 30 inches/hour. (ASTM D4491)
13. Flammability (Pill Burn): Pass ASTM D2859
14. Maximum Yarn Elongation: 50% nominal.

D. General Resilient Infill Requirements:
1. Controlled resilient layered granular mixture, partially covering carpet, consisting of graded clean silica sand and processed rubber crumb.
2. Minimum Weight: As recommended by manufacturer.
3. Infill Depth: As recommended by manufacturer.

4. Infill Sand: Specifically-graded dust-free silica sand. The sand shall be delivered to the site graded, washed and dried. The sand particles shall be rounded to sub-angular so as to minimize abrasion to the athlete and synthetic turf fibers.
5. Infill Rubber: Ambiently processed, hammer-milled clean, dust-free, contaminant free and metal-free SBR rubber crumb. The SBR particles shall be processed and sized under rigid specifications and in accordance with the Turf Manufacturer's quality control program.
6. Infill materials must meet or exceed ASTM F3188 requirements.
7. Infill material to be supplied by an SBR crumb rubber manufacturer.

E. Accessories: Glue, thread, paint, seaming fabric and other materials used to install and mark the synthetic turf surfacing system shall be provided as recommended by the Turf Manufacturer.

F. Nailer: Pressure Treated wood nailer provided at all edges as shown on drawings and detail. See unit pricing.

PART 3 EXECUTION

3.1 PRE-CONSTRUCTION MEETINGS:

A. An interview shall take place at a time and date to be determined by the Architect. Present at this meeting shall be the Architect, Landscape Architect, Owner's Representative(s), the Project Manager and Site Superintendent for the Prime Contractor and the Project Manager and Project Foreman for the Contractor. The purpose of this meeting will be to review turf product and installation means and methods, to interview and ascertain the experience and competence of the Turf Manufacturer, as well as, the on-site Project Foreman for this project and to review the project schedule. Contractor shall submit all required submittals, warrantees and insurance at or before this meeting.

B. A second meeting shall take place at a time and date to be determined by the Architect. Present at this meeting shall be the Architect, Landscape Architect, Owner's Representative(s), and the Project Manager for the Site Contractor. The purpose of this meeting shall be to review and confirm schedule. (with particular attention on the turf installation) and to confirm that the turf product has been ordered by way of notarized copies of the original confirmed Purchase Order and guaranteed delivery date.

3.2 GENERAL REQUIREMENTS

A. The Contractor shall strictly adhere to the installation procedures outlined under this and following sections. Any variance from these requirements must be accepted in writing, by the Contractor and Turf Manufacturer, and submitted to the Architect/Owner, verifying that the changes do not in any way affect the warranty.

B. Do not install synthetic turf system when ambient temperature is below 45 degrees F, above 110 degrees F, if materials are wet, or if rain is falling or pending. Materials can be installed under dry conditions only.

C. Notify the Architect when each major component is near completion for review prior to proceeding to next operation.

3.3 PREPARATION

A. Excavation: Site Contractor shall excavate natural grass field, topsoil, and subsoil as necessary to meet the subgrade elevations and established in the Contract Documents plans and details. See 31 23 16 - Excavation for related requirements.

B. Refer to 31 22 00 - Grading, and 31 23 23 - Fill for related requirements.

C. The subgrade shall be sloped at a minimum of 0.5% to mirror final field grades, unless otherwise directed in the plans and details. Subgrade is to be sloped toward the drainage piping at the perimeter of the field.

D. Subgrade shall be proof rolled and compacted to a minimum of a 90% compaction rate. Nofity Archtitect if soils not able to acheive the proper compaction. Areas which cannot acheive the proper compaction shall be over-excavated and structural fill shall be installed, recompacted, and retested.

E. Excess and unsuitable soils shall be removed from the project site.

F. Site Contractor shall install all conduit and other utility piping in accordance with the plans, details, and appropriate specifications, including required backfilling, compaction and testing.

3.4 DRAINAGE BASE LAYER INSTALLATION

A. Install geotextile fabric over excavated and prepared subgrade. Provide a 36 inch minimum overlap at all seams. The entire field shall be covered with fabric prior to the base aggregate application.

B. Install lateral subdrainage pipes on geotextile fabric as shown on the plans and connect to perimeter drain pipes.

C. Base Stone: The installation of the base stone shall only begin after the drainage pipe installation has been inspected and approved by the Architect. Installation of the Free Draining Base Stone shall follow procedures that protect the subgrade soils and drainage pipe. The drainage pipe network and its existing elevations shall not be disrupted through ground pressures from trucks, dozers or by any other means.
   1. The subgrade shall be dry before undertaking the placement of base stone.
   2. Delivery trucks shall enter the field only from the designated entrance point. Base stone shall be dumped closest to the entrance first and continuously worked towards the furthest point of the field. Extreme care must be taken not to disturb subgrade or drainage network.
   3. Track-type dozers shall push out the stone from behind the pile onto and toward the field center. Dozers shall only traffic the aggregate they are spreading.
   4. Bulldozer blades shall be equipped with a laser-guided hydraulic system. Care shall be taken not to disturb or contact the subgrade soils with the dozer blades or tracks. All equipment trafficking over the drainage aggregate shall insure there is a minimum depth of 4 inches of aggregate between the geotextile fabric and the dozer track ground contact position.
   5. When the stone spreading is completed, the surface shall be further-firmed by a 5-ton roller. Static vibration shall not be part of this process.
   6. The stone shall be left firm, but not over-compacted as to protect the porosity and drainage capabilities of the aggregate profile.
   7. After the base stone has been uniformly spread throughout the surface, the surface shall receive a final laser finished grade. This process shall be accomplished using a turf-type tractor, or lightweight grader, equipped with high flotation tires and a hydraulically controlled laser blade.
   8. Verify the compaction of the base stone course is 95% according to the Modified Proctor procedure ASTM D1557, and that the surface tolerance does not exceed ¼ inch over 10 feet and ½ inch from design grade. The synthetic Contractor shall provide a minimum of 48 hours notice to the Owner and the Architect prior to scheduling final compaction or planarity testing.

D. Finishing Stone Aggregate: The installation of the finishing stone shall only begin after the base stone has been inspected and approved by the Architect.
   1. The finishing stone layer shall be applied using laser-controlled low ground pressure grading equipment.
   2. Arrange for the inspection of the Finishing Stone and curbs using a laser level and plot on a 10 foot topographical grid. Based on this topographical survey, arrange for the suitable fine grading of the Finishing Stone area, including proper rolling and compacting.
   3. Final layer of stone must be installed at a depth as indicated on drawings. Finished aggregate base must be proof-rolled by means of 2- to 5-ton roller. It shall also be flush with top of nailer.
   4. Notify the Architect prior to the commencement of fine grading, for a visual inspection of Finishing Stone condition. If contamination or disturbance of the Base Stone is evident, remove finishing stone as directed by Architect for inspection and testing of Base Stone.

5. Provide grading and compaction to the lines, grades, slopes and typical sections indicated on the Contract Drawings. Compact the finishing stone within the range of 90% dry density attainable through the Standard Proctor compaction test ASTM D698. It is necessary to maintain the compaction within this range to provide stability also to maintain the permeability characteristics of the prepared material. Take precautions and use the appropriate equipment to avoid over-compaction of the finishing stone aggregate. Perform compaction operations in both directions.
6. Planarity tolerance for the completed finishing stone aggregate installation is ¼ inch over 10 feet from any given point in any direction, as measured with a 10- foot long straightedge. Finished grade of the prepared finishing stone shall not deviate by more than 1/8 -inch from the extrapolated design grade. This tolerance is required over the entire field.
7. A planarity check letter shall be performed and a certification shall be submitted by the Contractor.
8. Additionally, an as-built survey in accordance with this specification shall be performed.
9. Arrange for Turf Manufacturer to inspect and certify that the finishing stone area to receive the synthetic turf surfacing is ready for installation of the carpet; is perfectly clean as the installation commences; and will be maintained in that condition throughout the installation process.
10. Stone base installing Contractor to preform field permeability testing according to ASTM F2898 - Standard Test Method for Permeability of Synthetic Turf Sports Field Base Stone and Surface System by Non-confined Area Flood Test Method. Results to be submitted to Architect for approval piror to proceeding.
    a. Minimum allowable permeability rates:
        1) New fields: 16 inches per hour.
        2) Existing fields being recovered: 10 inches per hour.
11. When the Contractor confirms conditions as being acceptable to ensure proper and timely installation of the work and to ensure requirements of applicable warranties or guarantees can be satisfied, submit written confirmation to the Architect. Failure to submit written confirmation and subsequent installation will be assumed to indicate conditions are acceptable to the installer.

3.5 SYNTHETIC GRASS CARPET INSTALLATION

A. The rolls of turf shall be rolled out a minimum of four hours prior to starting seaming procedures and allowed to relax/expand.
    1. All visible wrinkles shall be stretched out before seaming.
    2. Seams shall be flat, tight and permanent with no separation or fraying.
    3. Synthetic turf yarn fabric that is trapped or glued between seams shall be freed from the seams by hand or other approved method to an upright position prior to the commencement of brushing and top dressing procedures.

B. Lay full width rolls across the field of sufficient length to permit full cross field installation from sideline to sideline without head or cross seams in the main playing area between sidelines. The first roll shall begin with the longest perpendicular cross-field distance.

C. Provide 99% sewn installation. Minimal gluing will be permitted to repair problem areas, corner completions, and to cut in any logos or Inlaid lines as required. All seams shall be sewn using double bagger stitches and polyester thread or adhered using seaming tape and high grade adhesive per the manufacturer's standard procedures. Make all seams flat, tight and permanent without separation or fraying.

D. GLUING OF ROLLS SHALL NOT BE ACCEPTABLE.

E. When all rolls of the playing surface have been attached, install sideline areas at right angles to the playing field synthetic turf area.

F. Install synthetic turf for the covers of the power/communication boxes, plugs for the drainage system clean outs, filler plug covers for the football goal posts and any other "in-ground" components within the limits of the synthetic turf field.

G. Attach the synthetic turf surfacing to the perimeter edge as detailed on the Contract Documents and in strict accordance with the Turf Manufacturer's standard recommendations.

3.6 FIELD MARKINGS

A. Standards:
   1. All designs, markings, layouts, field lines and materials for indicated sports previous in accordance with the current National Federation of State High School Associations NFHS (Guide) "Rules Book" for each sport.
   2. All lines and markings for the sports indicated previously.
   3. All preliminary colors of field lines and markings are included in the Contract Documents. Final color selection will be made by the Owner.

B. If NFHS (Guide) rules provide a range of acceptable line widths, the contractor shall include the cost to provide the widest for the bid price, unless specifically indicated otherwise on the Contract Documents. The final determination of line widths shall be made during the review of submittals.

C. Inlaid lines, markings, and logos are to be installed by shearing and gluing and in accordance with the requirements of the Turf Manufacturer. The primary and secondary backing are not to be cut when installing inlaid lines.

D. At completion of the carpet and markings installation, notify Architect for review three (3) days before proceeding with installation of subsequent component.

3.7 INFILL MATERIAL INSTALLATION

A. Install Infill materials to fill voids between the fibers and to allow the fibers to remain vertical and non-directional.

B. Between applications, the infill area shall be brushed with a motorized rotary nylon broom.

C. Install infill to a depth at the weight specified by the Turf Manufacturer. Place infill with a 1/2 inch void to the top of the fibers.

D. The Contractor shall have the depth of infill confirmed in accordance with the testing requirements specified herein. Results shall be provided to the Architect.

E. The Contractor shall re-visit site three months after installation and add/subtract infill material to account for typical break-in condition. Adjust grooming equipment at time of installation and as necessary during the first three months of use to create optimum performance.

F. At substantial completion, the Contractor shall notify the Architect for final inspection and review. The Shock Attentuation Evaluation specified herein shall be scheduled after final inspection has been completed and punch list items addressed.

3.8 CLOSEOUT

A. The Contractor and Turf Manufacturer must verify that their on-site representative has inspected the installation and that the work conforms to the manufacturer's requirements.

B. The Contractor and Turf Manufacturer shall provide the submittals required, including any required warranty, maintenance manuals, and as-built striping layout.

3.9 CLEAN UP

A. Contractor shall provide the labor, supplies and equipment as necessary for final cleaning of surfaces and installed items.

B. All usable remnants of new material shall be neatly rolled up and turned over to the Owner, if desired, at a place and area designated by the Owner.

C. During the contract and at intervals as directed by the Architect and as synthetic turf installation is completed, clear the site of all extraneous materials, rubbish, or debris and leave the site in a clean, safe, well draining, neat condition.

D. Surfaces, recesses, enclosures, etc., shall be cleaned as necessary to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by the Owner.

END OF SECTION

SECTION 08 71 00
DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware
2. Electronic access control system components
3. Field verification, preparation and modification of existing doors and frames to receive new door hardware.

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
   a. "Metal Doors and Frames"
   b. "Flush Wood Doors"
   c. "Aluminum-Framed Entrances and Storefronts"
6. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.
7. Division 13 Section "Radiation Protection" for requirements for lead-lining for door hardware at openings indicated to receive radiation protection.
8. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
9. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies

4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

E. 2022 California Building Code

1. Chapter 11B – Accessibility to Public Buildings, Public Accommodations, Commercial Buildings and Public Housing

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
   a. Comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, "EXAMINATION" article, herein.
   b. Review drawings and Sections from related trades to verify compatibility with specified hardware.
   c. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
   a. Wiring Diagrams: For power, signal, and control wiring and including:

1) Details of interface of electrified door hardware and building safety and security systems.
2) Schematic diagram of systems that interface with electrified door hardware.
3) Point-to-point wiring.
4) Risers.

3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
   a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

4. Door Hardware Schedule:
   a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
   b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
   c. Indicate complete designations of each item required for each opening, include:
      1) Door Index: door number, heading number, and Architect's hardware set number.
      2) Quantity, type, style, function, size, and finish of each hardware item.
      3) Name and manufacturer of each item.
      4) Fastenings and other pertinent information.
      5) Location of each hardware set cross-referenced to indications on Drawings.
      6) Explanation of all abbreviations, symbols, and codes contained in schedule.
      7) Mounting locations for hardware.
      8) Door and frame sizes and materials.
      9) Degree of door swing and handing.
      10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.

5. Key Schedule:
   a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
   b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
   c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
   d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
   e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
   f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
2. Provide Product Data:
   a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
   b. Include warranties for specified door hardware.

3. Florida Building Code; Wind load: Submit certified independent lab test or NOA report on each type of exterior opening. All exterior opening submittals shall include door number, door and frame elevations and all finish hardware as tested as an assembly. These reports are to be forwarded to the building department.
4. Buy American Certification: Manufacturer is accredited under an accredited third-party Quality Control Program, including IAS AC472 and based upon chapter 17 of the International Building Code (IBC).

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
   a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
   b. Catalog pages for each product.
   c. Final approved hardware schedule edited to reflect conditions as installed.
   d. Final keying schedule
   e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
   f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
   a. Fire door assemblies, in compliance with NFPA 80.
   b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
   a. For door hardware: DHI certified AHC or DHC.
   b. Can provide installation and technical data to Architect and other related subcontractors.

c. Can inspect and verify components are in working order upon completion of installation.
d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.

4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:
   a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
   b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

2. Smoke and Draft Control Door Assemblies:
   a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
   b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.

3. Electrified Door Hardware
   a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

4. Accessibility Requirements:
   a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference
   a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
      1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
      2) Preliminary key system schematic diagram.
      3) Requirements for key control system.
      4) Requirements for access control.
      5) Address for delivery of keys.

2. Pre-installation Conference
   a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
   b. Inspect and discuss preparatory work performed by other trades.
   c. Inspect and discuss electrical roughing-in for electrified door hardware.
   d. Review sequence of operation for each type of electrified door hardware.
   e. Review required testing, inspecting, and certifying procedures.

f. Review questions or concerns related to proper installation and adjustment of door hardware.

3. Electrified Hardware Coordination Conference:
   a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

4. Hurricane and Wind Load Assemblies:
   a. Provide hardware that meets the hurricane and wind load test requirements in accordance with the Florida Building code and in compliance with the local authority having jurisdiction.
   b. All openings required to meet either the impact test or wind load test as indicated by the architect shall be tested as systems with the finish hardware, hollow metal doors, and frames.

D. Regulatory Requirements:

1. Floor stops: Do not locate in path of travel. Locate no more than 4 inches from walls, per DSA Policy #99-08 (Access).
2. Handles, pull, latches, locks, other operable parts:
   a. Panic hardware: locate between 36 inches to 44 inches above the finished floor.
   b. Force required to activate the operable parts: 5.0 pounds maximum, per 2022 California Building Code Section 11B-309.4.
   c. Readily openable from egress side with one hand and without tight grasping, tight pinching, or twisting of the wrist to operate. 2022 California Building Code Section 11B-309.4.
   d. Locate latching hardware between 34 inches to 44 inches above the finished floor, per 2022 California Building Code, Section 11B-404.2.7.

3. Pairs of doors with independently-activated hardware both leafs: limit swing of right-hand or right-hand-reverse leaf to 90 degrees to protect persons reading wall-mounted tactile signage, per 2022 California Building Code Section 11B-703.4.2.
4. Thresholds: floor or landing no more than 0.50 inches below the top of the threshold of the doorway, per 2019 California Building Code Section 11B-404.2.5. Vertical rise no more than 0.25 inches, change in level between 0.25 inches and 0.50 inches: beveled to slope no greater than 1:2 (50 percent slope). 2022 California Building Code Section 11B-303.2 & ~.3.
5. Door opening clear width no less than 32 inches, measured from face of frame stop, or edge of inactive leaf of pair of doors, to door face with door opened to 90 degrees. Hardware projection not a factor in clear width if located above 34 inches and below 80 inches, and the hardware projects no more than 4 inches. 2022 California Building Code Section 11B-404.2.3.
   a. Exception: doors not requiring full passage through the opening, that is, to spaces less than 24 inches in depth, may have the clear opening width reduced to 20 inches. Example: shallow closets.
   b. Door closers and overhead stops: not less than 78 inches above the finished floor or ground, per 2022 California Building Code 11B-307.4.

6. Smooth surfaces at bottom 10 inches of push sides of doors, facilitating push-open with wheelchair footrests, per 2022 California Building Code Section 11B-404.2.10.
   a. Tempered glass doors without stiles: bottom rail may be less than 10 inches if top leading edge is tapered 60 degrees minimum.
   b. Applied kickplates and armor plates: bevel the left and right edges; free of sharp or abrasive edges.

7. Adjust door closer sweep periods so that from an open position of 90 degrees, the door will take at least 5 seconds to move to a point 12 degrees from the latch, measured to the landing side of the door, per 2022 California Building Code Section 11B-404.2.7.
   a. Spring hinges: adjust for 1.5 seconds minimum for 70 degrees to fully-closed.

8. Low-energy powered doors: comply with ANSI/BHMA A156.19. Reference: 2022 California Building Code Section 11B-404.2.9, Exception 2.
   a. Actuator location: conspicuously located, clear and level floor/ground space for forward or parallel approach.
   b. Where powered door serves an occupancy of 100 or more, provide back-up battery power or stand-by generator power, capable of supporting a minimum of 100 cycles.
   c. Actuators, plate type: use two at each side of the opening. Minimum 4-inches diameter or 4-inches square. Displays International Symbol of Accessibility, per 2022 California Building Code Section 11B-703.7. Locate centerline of lower plate between 7- and 8-inches above floor or ground, and upper plate between 30- and 44-inches above floor or ground.
   d. Actuators, vertical bar type: minimum 2-inches wide, 30-inches high, bottom located maximum 5-inches above floor or ground, top located minimum 35-inches above floor or ground. Displays International Symbol of Accessibility, per 2022 California Building Code Section 11B-703.7.

9. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per 2022 California Building Code Section 11B-404.2.9, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15-pounds.
   a. Exception: exterior doors' pressure-to-open may be increased to 8.5-pounds if: at a single location, and one of a bank of eight leafs or fraction of eight, and one leaf of this bank is fitted with a low- or high-energy operator.

10. Door and door hardware encroachment: when door is swung fully-open into means-of-egress path, the door may not encroach/project more than 7 inches into the required exit width, except for door release hardware such as lockset levers or panic hardware. These hardware items must be located no less than 34-inches and no more than 48-inches above the floor/ground. 2022 California Building Code, Section 1005.7.1.
    a. In I-2 occupancies, latch release hardware is not permitted to project in the required exit width, regardless of its mounting height, per 2022 California Building Code, Section 1005.7.1 at Exception 1.

E. Buy American Compliance: Materials provided under work of this section shall comply with the following requirements:

1. Buy American Act of 1933 BAA-41 U.S.C., 10a - 10d
2. Buy American Act provision of section 1605 of the American Recovery and Reinvestment Act of 2009 (ARRA)

1.05 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.

C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

E. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

1.07 WARRANTY

A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.

1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
    a. Mechanical Warranty
        1) Locks
            a) Schlage L Series: 10 years
        2) Exit Devices
            a) Von Duprin: 10 years
        3) Closers
            a) LCN 4050 Series: 25 years
    b. Electrical Warranty
        1) Exit Devices
            a) Von Duprin: 3 years

B. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

C. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 25 00.

B. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.

C. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

A. Fabrication

1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer’s recognized installation standards for application intended.
2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with “Metal Doors and Frames”, “Flush Wood Doors”, “Stile and Rail Wood Doors” to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.

B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.

1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
2. Use materials which match materials of adjacent modified areas.
3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.

C. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

D. Cable and Connectors:

1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.03 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Ives 5BB series

2. Acceptable Manufacturers and Products:
   a. Hager BB1191/1279 series
   b. McKinney TB series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
   a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
   b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high

4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
   a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

5. 2 inches or thicker doors:
   a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
8. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
9. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
   a. Steel Hinges: Steel pins
   b. Non-Ferrous Hinges: Stainless steel pins
   c. Out-Swinging Exterior Doors: Non-removable pins
   d. Out-Swinging Interior Lockable Doors: Non-removable pins
   e. Interior Non-lockable Doors: Non-rising pins

10. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

2.04 CONTINUOUS HINGES

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Select
   b. Roton

B. Requirements:

1. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
2. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
3. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
4. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
5. On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
6. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.05 ELECTRIC POWER TRANSFER

A. Manufacturers:

1. Scheduled Manufacturer and Product:
   a. Von Duprin EPT-10

2. Acceptable Manufacturers and Products:
   a. Securitron CEPT-10
   b. Security Door Controls PTM

B. Requirements:

1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.06 MORTISE LOCKS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

a. Schlage L9000 series

2. Acceptable Manufacturers and Products:
   a. Sargent 8200 series
   b. Best 45H series

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2-inch x 1/2 inch with 180-degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.
3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to “KEYING” article, herein.
5. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch (25 mm) throw, constructed of stainless steel.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches. Provide motor based electrified and motor based latch retraction locksets that comply with the following requirements:
   a. Universal input voltage – single chassis accepts 12 or 24VDC to allow for changes in the field without changing lock chassis.
   b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
   c. Low maximum current draw – maximum 0.4 amps (Lever control) and maximum 2.0 amps (Latch retraction) to allow for multiple locks on a single power supply.
   d. Low holding current (Lever control or latch retraction) – maximum 0.01 amps to produce minimal heat, eliminate “hot levers” in electrically locked applications and motorized latch retraction applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
   e. Connections – provide quick-connect Molex system standard.

8. (OPTION Key Override) Provide locks with a key override feature built into the chassis that allows the outside key to retract the deadbolt and/or latchbolt, overriding the inside thumbturn when it is being held in the locked position - where the XL13-439 option is specified in the hardware sets.
9. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
   a. (OPTION Vandlgard) Provide levers with vandal resistant technology for use at heavy traffic or abusive applications.
   b. Lever Design: 06A.

2.07 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

a. Von Duprin 99/33A series

2. Acceptable Manufacturers and Products:
   a. Detex Advantex series
   b. Sargent 19-43-GL-80 series

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide grooved touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer's approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.
    a. Provide levers that return to within 1/2 inch (13 mm) of door face.
17. Provide exit devices with PA filler.
18. Accessibility: Require not more than 5 lb. to retract the latchbolt, per CBC 2019 11B-404.2.7 and 11B-309.4.
    a. Mechanical method: Von Duprin AX feature, where touchpad directly retracts the latchbolt with 5 lb. or less of force. Provide testing lab certification confirming that the mechanical device is independent third-party tested to meet this 5 lb. requirement.
    b. Electrical method: Von Duprin’s RX-QEL feature, where lightly pressing the touchpad with 5 lb. or less of force closes an electric switch, activating quiet electric latch retraction.
19. Special Options:
    a. SI
       1) Provide dogging indicators for visible indication of dogging status.

2.08 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Von Duprin PS900

2. Acceptable Manufacturers and Products:
   a. Sargent 3500 series
   b. Security Door Controls 600 series

B. Requirements:

1. Provide power supplies approved by manufacturer of supplied electrified hardware.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.

2.09 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer and Product:
   a. <INSERT EXISTING KEY SYSTEM>

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide cylinders/cores to match Owner’s existing key system, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer’s series as indicated. Refer to “KEYING” article, herein.

2.10 KEYING

A. Scheduled System:

1. Existing factory registered system:
   a. Provide cylinders/cores keyed into Owner’s existing factory registered keying system. Comply with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

2. Existing non-factory registered system:
   a. Provide cylinders/cores keyed into Owner’s existing keying system managed by Owner’s locksmith, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference. Contact:
      1) Firm Name:
      2) Contact Person:
      3) Telephone:

B. Requirements:
   a. Replaceable Construction Cores.

1) Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
   a) 3 construction control keys
   b) 12 construction change (day) keys.
2) Owner or Owner's Representative will replace temporary construction cores with permanent cores.

2. Permanent Keying:
   a. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.
      1) Master Keying system as directed by the Owner.
   b. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
   c. Provide keys with the following features:
      1) Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
      2) Patent Protection: Keys and blanks protected by one or more utility patent(s).
      3) Geographically Exclusive: Where High Security or Security cylinders/cores are indicated, provide nationwide, geographically exclusive key system complying with the following restrictions.
   d. Identification:
      1) Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
      2) Identification stamping provisions must be approved by the Architect and Owner.
      3) Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
      4) Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
      5) Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
   e. Quantity: Furnish in the following quantities.
      1) Permanent Control Keys: 3.
      2) Master Keys: 6.
      3) Change (Day) Keys: 3 per cylinder/core that is keyed differently
      4) Key Blanks: Quantity as determined in the keying meeting.

2.11 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. LCN 4050A series

2. Acceptable Manufacturers and Products:
   a. Falcon SC70A series
   b. Norton 7500 series

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.

2. Provide door closers with fully hydraulic, full rack and pinion action with cast aluminum cylinder.
3. Closer Body: 1-1/2-inch (38 mm) diameter with 11/16-inch (17 mm) diameter heat-treated pinion journal and full complement bearings.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and all weather requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and back check.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide stick on templates, special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.12 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Trimco
   b. Rockwood

B. Requirements:

1. Provide push plates, push bars, pull plates, pulls, and hands-free reversible door pulls with diameter and length as scheduled.

2.13 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Trimco
   b. Rockwood

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.14 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:
   a. Glynn-Johnson

2. Acceptable Manufacturers:
   a. Rixson
   b. Sargent

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

2.15 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Trimco
   b. Rockwood

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.16 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Zero International

2. Acceptable Manufacturers:
   a. National Guard
   b. Reese

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.

2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.17 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Rockwood
   b. Trimco

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.18 MAGNETIC HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. LCN

2. Acceptable Manufacturers:
   a. Rixson
   b. Sargent

B. Requirements:

1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force. Coordinate projection of holder and armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open. Connect magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.

2.19 FINISHES

A. FINISH: BHMA 626/652 (US26D); EXCEPT:

1. Aluminum Geared Continuous Hinges: BHMA 628 (US28)
2. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
3. Protection Plates: BHMA 630 (US32D)

4. Overhead Stops and Holders: BHMA 630 (US32D)
5. Door Closers: Powder Coat to Match
6. Wall Stops: BHMA 630 (US32D)
7. Weatherstripping: Clear Anodized Aluminum
8. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.

B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

D. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Where on-site modification of doors and frames is required:

1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
2. Field modify and prepare existing doors and frames for new hardware being installed.
3. When modifications are exposed to view, use concealed fasteners, when possible.
4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:
   a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
   b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
   c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.03 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A

4. Installation Guide for Doors and Hardware: DHI TDH-007-20
5. 2022 California Building Code, Section 1010.1.9.2 and 11B-404.2.7.

B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.

I. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
2. Replace construction cores with permanent cores as indicated in keying section.
3. Furnish permanent cores to Owner for installation.

J. Lead Protection: Lead wrap hardware penetrating lead-lined doors. Line levers and roses with lead. Apply kick and armor plates on lead-lined doors with adhesive as recommended by manufacturer.

K. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:

1. Conduit, junction boxes and wire pulls.
2. Connections to and from power supplies to electrified hardware.
3. Connections to fire/smoke alarm system and smoke evacuation system.
4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
5. Connections to panel interface modules, controllers, and gateways.
6. Testing and labeling wires with Architect's opening number.

L. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

M. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.

N. Door Closers & Auto Operators: Mount closers/operators on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers/operators so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

O. Overhead Stops/Holders: Mount overhead stops/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

P. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.

Q. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

R. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

S. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

T. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

U. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.04 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
2. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per 2022 California Building Code Section 11B-404.2.9, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not1450
    a. Exception: exterior doors' pressure-to-open may be increased to 8.5-pounds if: at a single location, and one of a bank of eight leafs or fraction of eight, and one leaf of this bank is fitted with a low- or high-energy operator.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.05 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items per manufacturer's instructions to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.06 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

Hardware Group No. 01

1	EA	PERMANENT CORE	BEST PERMANENT CORE AS REQUIRED BY OWNER	626	BES
1	EA	CYLINDER	IC CYLINDER AS REQUIRED	626	
1			BALANCE OF HARDWARE BY DOOR SUPPLIER		

Hardware Group No. 02

1	EA	CONT. HINGE	112HD EPT		628	IVE
1	EA	POWER TRANSFER	EPT10	↯	689	VON
1	EA	EU MORTISE LOCK	LV9092HDEU.06.626.A.626.06.626.A.626 RX CON 12/24 VDC	↯	626	SCH
1	EA	SFIC MORTISE CYL.	80-132		626	SCH
1	EA	PERMANENT CORE	BEST PERMANENT CORE AS REQUIRED BY OWNER		626	BES
1	EA	OH STOP	100S		630	GLY
1	EA	SURFACE CLOSER	4050A EDA		689	LCN
1	EA	MOUNTING PLATE	4050A-18 SRT		689	LCN
1	EA	BLADE STOP SPACER	4050A-61 SRT		689	LCN
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A		A	ZER
1	EA	DOOR POSITION SWITCH	19512-W	↯		GEO
1	EA	POWER SUPPLY	PS902 BBK 120/240 VAC	↯	LGR	SCE
1			CARD READER - WORK OF DIVISION 28			
1	EA	NOTE	DOOR CONTACT - WORK OF DIVISION 28	↯		
1	EA	NOTE	PROVIDE POINT TO POINT WIRING DIAGRAMS			
1	EA	NOTE	PROVIDE RISER WIRING DIAGRAMS			

Hardware Group No. 03

1	EA	CONT. HINGE	112HD EPT		628	IVE
1	EA	POWER TRANSFER	EPT10	↯	689	VON
1	EA	STOREROOM LOCK	LV9080HD.06.626.A.626.06.626 .A.626 RX	↯	626	SCH
1	EA	PERMANENT CORE	BEST PERMANENT CORE AS REQUIRED BY OWNER		626	BES
1	EA	ELECTRIC STRIKE	6211 FSE (VOLTAGE AS REQ'D)	↯	US32 D	VON
1	EA	SURFACE CLOSER	4050A RW/PA		689	LCN
1	EA	BLADE STOP SPACER	4050A-61 SRT		689	LCN
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A		A	ZER
1	EA	DOOR POSITION SWITCH	19512-W	↯		GEO
1			CARD READER - WORK OF DIVISION 28			
1	EA	NOTE	DOOR CONTACT - WORK OF DIVISION 28	↯		
1	EA	NOTE	PROVIDE POINT TO POINT WIRING DIAGRAMS			
1	EA	NOTE	PROVIDE RISER WIRING DIAGRAMS			

Hardware Group No. 04

2	EA	CONT. HINGE	112HD EPT		628	IVE
2	EA	POWER TRANSFER	EPT10	↯	689	VON
1	EA	CONST LATCHING BOLT	FB51P		630	IVE
1	EA	DUST PROOF STRIKE	DP2		626	IVE
1	EA	EU MORTISE LOCK	LV9092HDEU.06.626.A.626.06.626.A.626 RX CON 12/24 VDC	↯	626	SCH
1	EA	PERMANENT CORE	BEST PERMANENT CORE AS REQUIRED BY OWNER		626	BES
2	EA	OH STOP	100S		630	GLY
1	EA	SURFACE CLOSER	4050A EDA		689	LCN
1	EA	MOUNTING PLATE	4050A-18 SRT		689	LCN
1	EA	BLADE STOP SPACER	4050A-61 SRT		689	LCN
1	EA	GASKETING	188SBK PSA		BK	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	655A		A	ZER
2	EA	DOOR POSITION SWITCH	19512-W	↯		GEO
1	EA	POWER SUPPLY	PS902 BBK 120/240 VAC	↯	LGR	SCE
1			CARD READER - WORK OF DIVISION 28			
1	EA	NOTE	DOOR CONTACT - WORK OF DIVISION 28	↯		
1	EA	NOTE	PROVIDE POINT TO POINT WIRING DIAGRAMS			
1	EA	NOTE	PROVIDE RISER WIRING DIAGRAMS			

Hardware Group No. 05

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	652	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8302 10" 4" X 16"	BLK	IVE
1	EA	SURFACE CLOSER	4050A SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

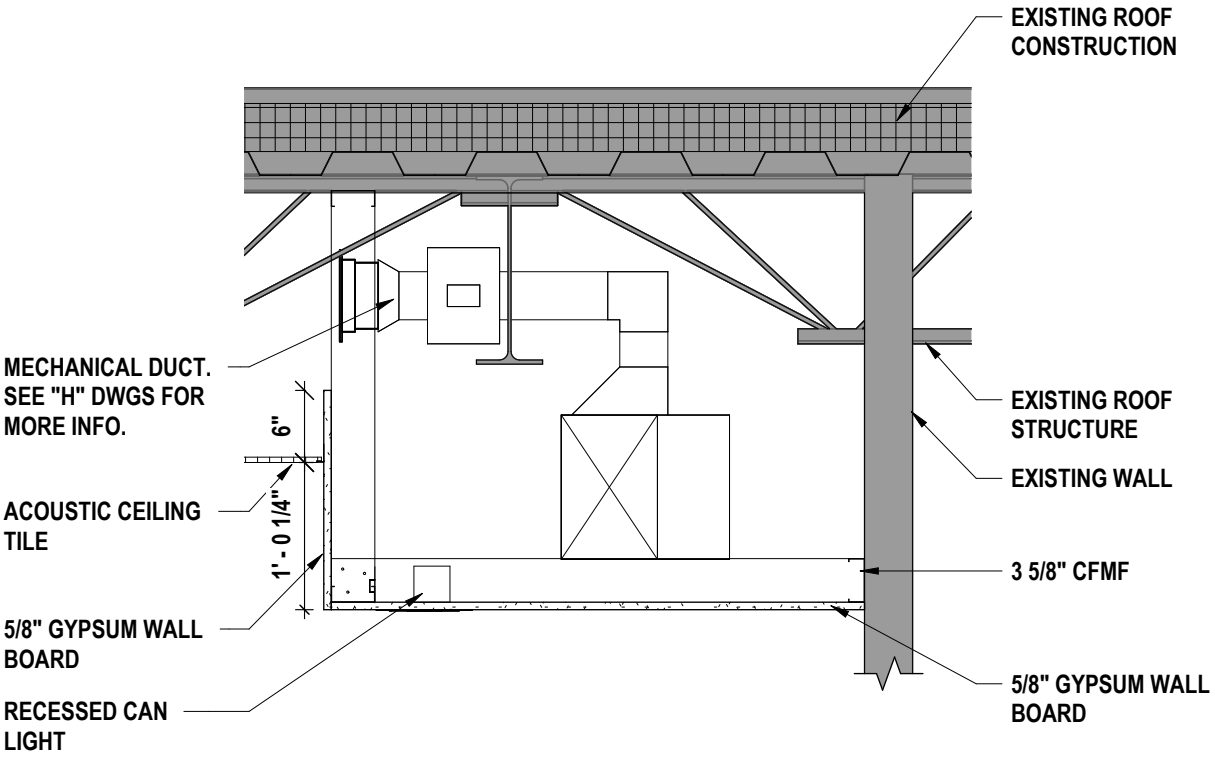
Hardware Group No. 06

3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	ELEC CLASSROOM LOCK	AD-200-MS-70-MTK-RHO-B 4AA BATTERY	↗	626	SCE
1	EA	PERMANENT CORE	BEST PERMANENT CORE AS REQUIRED BY OWNER		626	BES
1	EA	SURFACE CLOSER	4050A RW/PA		689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	GASKETING	488SBK PSA		BK	ZER

AD LOCK TO BE SUPPLIED BY DIVISION 28.
DOOR AND FRAME SUPPLIER TO COORDINATE WITH DIVISION 28 TO PREP FOR LOCKSET BEING PROVIDED.

Door Numbers	HwSet#
1-1	02
1-2	01
1-3	01
1-4	01
2-1	03
3-1	03
4-1	02
5-1	04
6-1	02
254-1	06
254-2	05
254-3	06

END OF SECTION



1 SOFFIT DETAIL @ SECOND FLOOR CLASSROOMS

3/4" = 1'-0"

SOFFIT DETAIL @ SECOND FLOOR CLASSROOMS

2025 CAPITAL IMPROVEMENT PROJECT

PRATTSBURGH CENTRAL SCHOOL DISTRICT

1ACADEMY STREET, PRATTSBURGH, NY 14873

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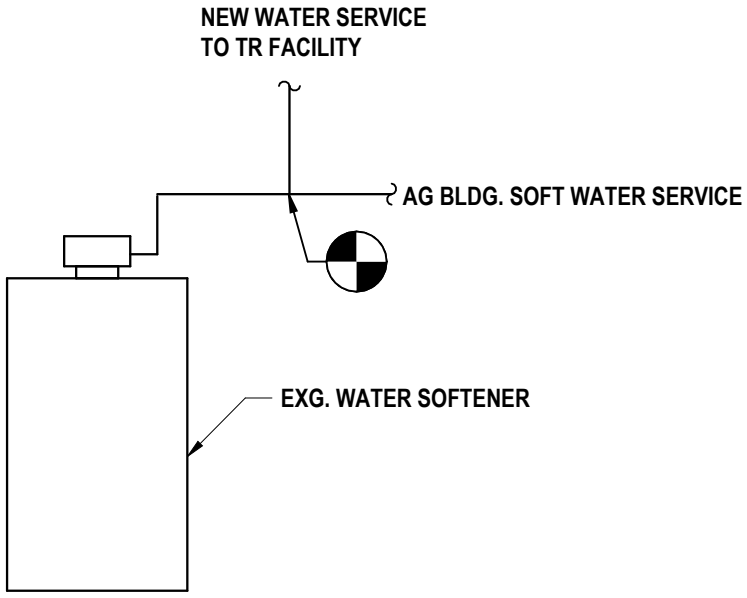
TOWANDA, PA 570 - 265 - 4868

AD1-A1

DATE: 02/19/2026

PROJECT NO: 2716-043



1 **WATER CONNECTION SCHEMATIC**
1/8" = 1'-0"

WATER CONNECTION SCHEMATIC

2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
PRATTSBURGH, NEW YORK

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AD1-P1

DATE: 02/24/26

PROJECT NO: 2716-043

GRAPHIC KEY - CODE COMPLIANCE:

Symbol	Description
R.W.	INDICATES EXISTING RESCUE WIINDOW OPENING OF 2 FT IN THE LESSER DIMENSION OF 6 SF TOTAL AREA. OMIT THE SCREEN & PROVIDE AN ESCAPE
	1 HOUR FIRE PARTITION (ALL CORRIDOR WALLS)
	1 HOUR BARRIER
	2 HOUR FIRE BARRIER
	2 HOUR FIRE WALL
	PATH OF EGRESS
	EXISTING TO REMAIN
	NEW CONSTRUCTION

	NOT OCCUPIED
	A-3 : GYM
	S-2 : STORAGE
	E : EDUCATIONAL
	A-2 : CAFETERIA
	A-3 : LIBRARY

Symbol	Description
26	OCCUPANT LOAD (MAXIMUM ALLOWABLE OCCUPANT LOAD, ACTUAL OCCUPANCY BASED ON HOME ROOM & STAFF OCCUPANCY)
180	EXIT DOOR OCCUPANT CAPACITY EXIT WIDTH @ 0.2"/OCC. = OCCUPANT CAPACITY STAIR WIDTH @ 0.3"/OCC. = OCCUPANT CAPACITY
	INDICATES AREAS OF ALTERATION
	CORRIDOR OCCUPANT CAPACITY CORRIDOR WIDTH @ 0.2"/OCC. = OCCUPANT CAPACITY
#	COMMON PATH OF EGRESS TRAVEL.
←#→	APPLICABLE BUILDING CODES:

PLUMBING FIXTURE COUNTS:

Prattsburgh Building Fixture Count			
Occupant Load = 550			
		SED	Current
Girls WC		8	11
Boys WC		3	8
Urinals		9	8
Mixed Use WC			27
Faculty WC			4
	Total:	20	58
Girls Lavs		6	10
Boys Lavs		6	10
Mixed use Lavs			27
Faculty Lavs			4
	Total:	12	51
Prattsburgh Gym Fixture Count			
Seating Capacity = 335, Group:A-4			
		IBC	Current
Girls WC		7	3
Boys WC		4	2
Urinals			2
Mixed use WC			2
	Total:	11	9
Girls Lavs		2	3
Boys Lavs		2	3
Mixed Use Lavs			2
	Total:	4	8

EXISTING BUILDING INFORMATION:

SQUARE FOOTAGE:

GROSS SQ. FT. OF EXG. GROUND FLOOR	13,331 SF
GROSS SQ. FT. OF EXG. 1ST FLOOR	51,843 SF
GROSS SQ. FT. OF EXG. 2ND FLOOR	34,272 SF
TOTAL GROSS SQ. FT.	99,446 SF

FIRE RESISTANCE REQUIREMENTS:

EXTERIOR; BEARING WALLS	NA
NONBEARING WALLS	NA
INTERIOR; FIRE WALLS	2 HR.
BEARING WALLS OR PARTITIONS	NA
PARTITIONS ENCLOSING STAIRWAYS, HOIST WAYS, SHAFTS AND CORRIDORS	3/4 HR.
COLUMNS & BEAMS	NA
FLOOR CONSTRUCTION	NA
ROOF CONSTRUCTION	NA

APPLICABLE BUILDING CODES

2021 IEBC
2021 IPC
2021 IMC
2009 ANSI 117.1 (NYS UFPBC)
2021 IECC
REFER TO SPECIFICATION SECTION 01 41 13 - CODES
REFER TO NYSED PLANNING STANDARDS, NYSED MPS-22

LEVEL OF ALTERATIONS:
2021 IEBC

LEVEL 1 ALTERATION
702.1 - INTERIOR FINISHES
702.4 - DOOR AND WINDOW REPLACEMENT

USE AND OCCUPANCY TYPES

E - EDUCATIONAL
A2 - ASSEMBLY
A3 - ASSEMBLY
S2 - STOARAGE

CHAPTER 10

OCCUPANT LOAD - GROUND FLOOR

	RATIO	GROSS / NET	SQUARE FOOTAGE	OCC
EDUCATIONAL	1:20	N	3,255 SF	162
ASSEMBLY (A3)	1:50	G	4,293 SF	85
STORAGE (S2)	1:300	G	1,074 SF	3
TOTAL:			8,622 SF	250

OCCUPANT LOAD - FIRST FLOOR

	RATIO	GROSS / NET	SQUARE FOOTAGE	OCC
EDUCATIONAL	1:20	N	12,918 SF	645
ASSEMBLY (A3)	1:50	G	11,521 SF	230
LIBRARY	1:100	G	5,349 SF	53
STORAGE (S2)	1:300	G	2,927 SF	10
TOTAL:			32,715 SF	938

OCCUPANT LOAD - SECOND FLOOR

	RATIO	GROSS / NET	SQUARE FOOTAGE	OCC
EDUCATIONAL	1:20	N	14,999 SF	750
ASSEMBLY (A2)	1:5	G	7,292 SF	1458
STORAGE (S2)	1:300	G	874 SF	3
TOTAL:			23,165 SF	2,211
BUILDING TOTAL:				3,399

10005.3.2 EGRESS COMPONENET WIDTH

OCC * 0.2 = 680 TOTAL REQUIRED
PROVIDED = 680 (NO CHANGE)

10006.2.1 COMMON PATH

E OCC NO SPRINKLER = ----MAX
PROVIDED = ----MAX (NO CHANGE)

1006.2.1.1 NUMBER OF EXITS
OCC OCCUPANTS = 2 EXITS REQUIRED ,3 PROVIDED (NO CHANGE)

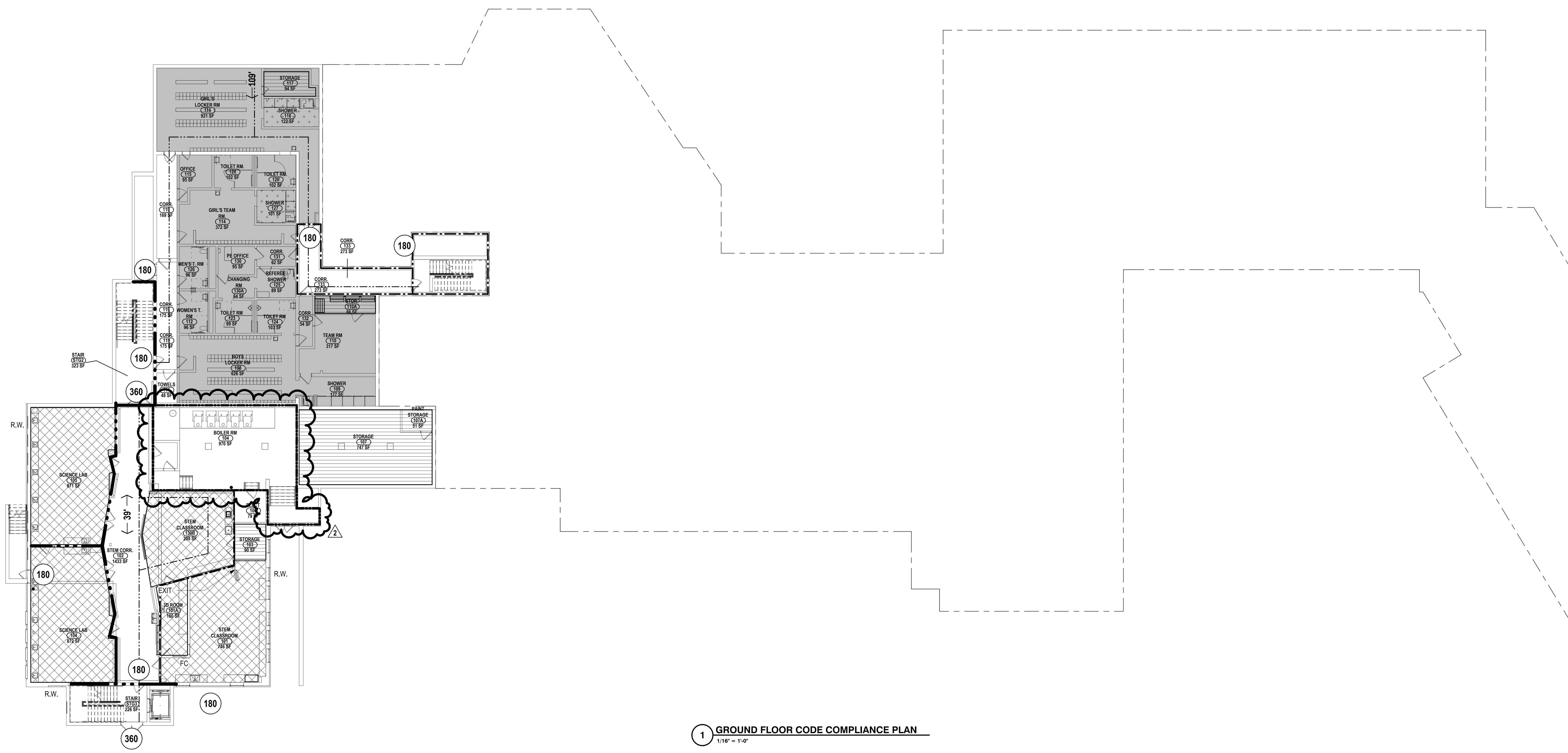
1017.2 EXIT ACCESS TRAVEL DISTANCE

E OCCUPANCY NO SPRINKLER = ----MAX
PROVIDED

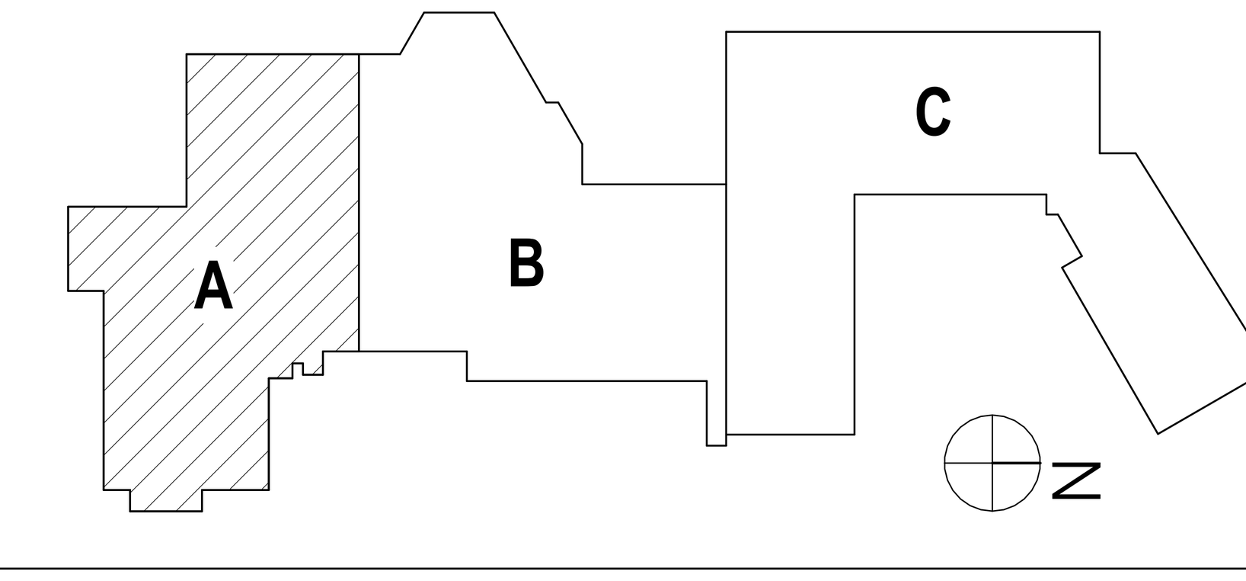
2021 IECC

C503.2.2.1
WHERE SOME OR ALL OF AN EXISTING FENESRATION UNIT IS REPLACED WITH A NEW FENESTRATION PRODUCT, INCLUDING SASH AND GLAZING, THE REPLACEMENT FENESTRATION UNIT SHALL MEET APPLICABLE REQUIRMENTS FOR U-FACTOR.

CLIMATE ZONE 5
U-FACTOR
OPERABLE FENESTRATION: 0.45
FIXED FENESTRATION: 0.36



1 GROUND FLOOR CODE COMPLIANCE PLAN
1/16" = 1'-0"



Main Building - SED# 57-23-01-04-0-001-034, Toilet Room Facility - SED# 57-23-01-04-7-012-001, Dugout with Storage - SED# 57-23-01-04-2-005-001, Auxiliary Building - SED# 57-23-01-04-0-002-012, Agricultural Building - SED# 57-23-01-04-0-008-012

DRAWN BY:	TSK
CHECKED BY:	JDZ
DATE:	12/18/2025
PHASE:	CD

Copyright: 2026

#	DATE:	DESCRIPTION OF REVISION:
1	02/09/2026	ISSUED FOR BID
2	2/19/2026	ADDENDUM #1

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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BINGHAMTON, NY 607 - 798 - 8081 ALBANY, NY 607 - 798 - 8081
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

CODE COMPLIANCE PLANS
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1ACADEMY STREET, PRATTSBURGH, NY 14873

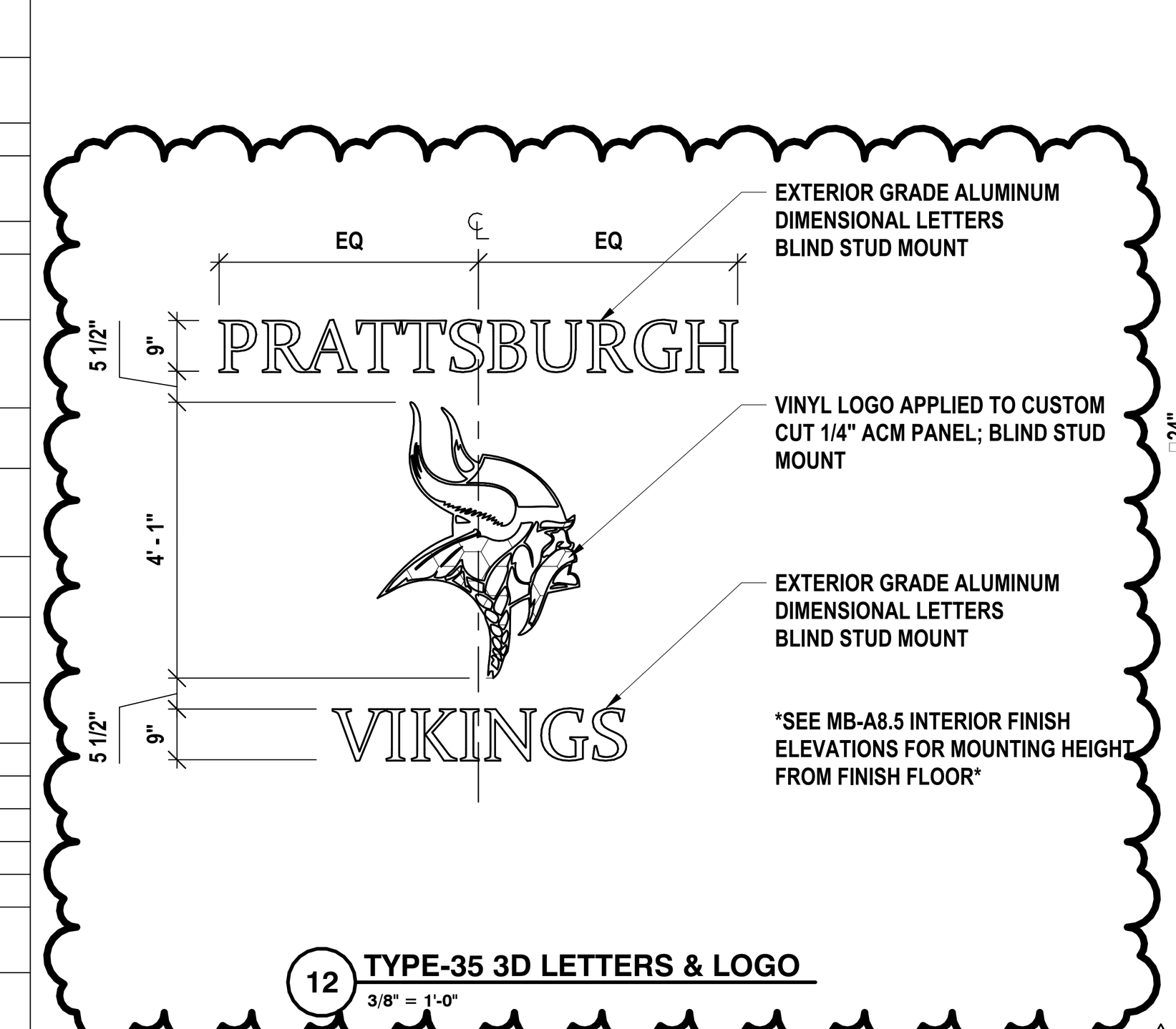
MB-CO1.1
PROJECT NO: 2716-043

MB - INTERIOR FINISH KEY

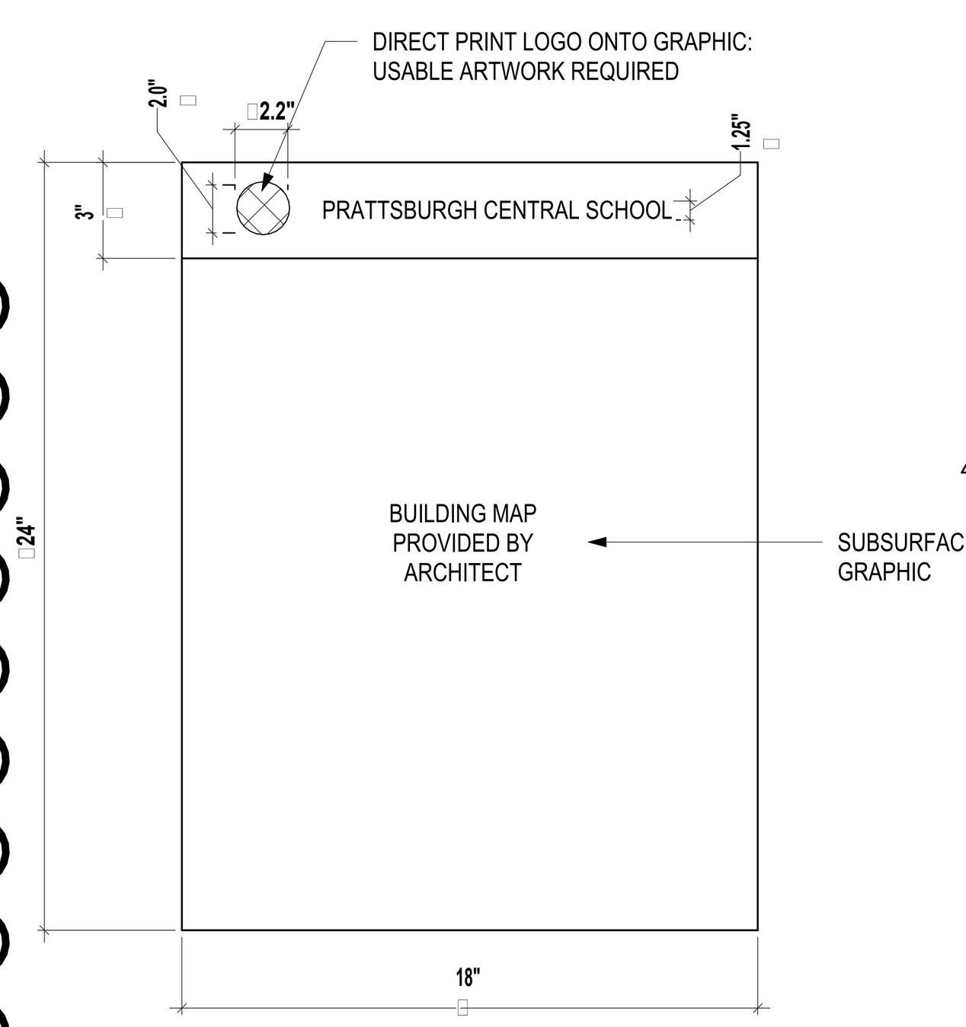
ABBR.	MATERIAL	MANUFACTURER	SERIES	SIZE	NUMBER	COLOR	SECTION #	REMARKS / LOCATION
ACOUSTIC WALL PANEL								
AWP-1	PET FELT	PLATINUM VISUAL SOLUTIONS / SOMASOUND	P360 SYSTEM - SOMASOUND ACOUSTIC PANEL	AS SHOWN	-	SLATE	10 11 00.13	PRE-K WALL SYSTEM - ACOUSTIC HOODIE & HIDEAWAY CUBBIE
CARPET TILE								
CPT-1	WALK-OFF CARPET TILE	INTERFACE	STEP REPEAT SR999	19.69" X 19.69"	104945	ONYX	09 68 13	ENTRANCE WALK-OFF CARPET
CPT-2	CARPET TILE	INTERFACE	DETOURS	19.69" X 19.69"	104716	SLATE	09 68 13	PRE- CARPET TILE
CEILING SYSTEM								
ACB-1	PET FELT ACOUSTIC BAFFLE	FRASCH	BAFL CLASSIC - BLADE	2 3/4" THICK X 8" H	88	PINE	09 84 30	LOBBY CEILING BAFFLES
ACP-1	PET FELT PANEL	ACOUFELT	CEILING PANELS - SOLID	9MM	WH12	WHITE	09 84 30	LIBRARY SOFFIT
ACP-2	PET FELT PANEL	ACOUFELT	CEILING PANELS - SOLID	12MM	WH12	WHITE	09 84 30	LIBRARY SOFFIT
ACT-1	ACOUSTICAL TILE	ARMSTRONG COMMERCIAL CEILINGS	ULTIMATE HIGH NRC BEVELED TEGULAR	24" X 24" X 1"	2081	WHITE	09 51 00	GENERAL CEILINGS
ACT-2	ACOUSTICAL TILE	ARMSTRONG COMMERCIAL CEILINGS	BACKSTAGE NOIR	24" X 24"	1318	BLACK	09 51 00	LOBBY CORRIDOR CEILING, ABOVE BAFFLES
CERAMIC BASE								
CB-1	PORCELAIN TILE	CROSSVILLE / TILE WHOLESALERS	RETRO ACTIVE 2.0	6" X 12" COVE	RET08	MERCURIAL UPS	09 30 00	TOILET ROOM BASE FIELD - PROVIDE MATCHING INSIDE & OUTSIDE CORNERS
CB-2	PORCELAIN TILE	CROSSVILLE / TILE WHOLESALERS	RETRO ACTIVE 2.0	6" X 12" COVE	RET12	RACING GREEN UPS	09 30 00	TOILET ROOM BASE ACCENT - PROVIDE MATCHING INSIDE & OUTSIDE CORNERS
CB-3	PORCELAIN TILE	CROSSVILLE / TILE WHOLESALERS	RETRO ACTIVE 2.0	4" X 12" STRAIGHT	RET07	LEADEN PO	09 30 00	CORRIDOR WALL BASE
FLOOR TILE								
FT-1	PORCELAIN MOSAIC TILE	CROSSVILLE / TILE WHOLESALERS	RETRO ACTIVE 2.0	2" X 4" MOSAIC	RET08	MERCURIAL UPS	09 30 00	TOILET ROOM FIELD
FT-2	PORCELAIN MOSAIC TILE	CROSSVILLE / TILE WHOLESALERS	RETRO ACTIVE 2.0	2" X 4" MOSAIC	RET12	RACING GREEN UPS	09 30 00	TOILET ROOM ACCENT
GROUT								
G-1	PREMIXED GROUT WITH EPOXY PERFORMANCE	LATICRETE	SPECTRALOCK ONE	-	44	BRIGHT WHITE	09 30 00	WALLS
G-2	EPOXY GROUT	LATICRETE	SPECTRALOCK PRO PREMIUM	-	42	PLATINUM	09 30 00	TOILET ROOM FLOORS
LUXURY VINYL FLOORING								
LVT-1	LUXURY VINYL PLANK	INTERFACE	STUDIO SET	9.845" X 39.37"	A00702	PEWTER	09 65 00	GENERAL CLASSROOM FLOORING
LVT-2	LUXURY VINYL PLANK	INTERFACE	STUDIO SET	9.845" X 39.37"	A00715	CHARTREUSE	09 65 00	CLASSROOM ACCENT FLOOR
PAINT								
PNT-1	PAINT	SHERWIN WILLIAMS	-	-	SW 6539	SOOTHING WHITE	09 91 23	GENERAL WALL
PNT-2	PAINT	SHERWIN WILLIAMS	-	-	SW 7075	WEB GRAY	09 91 23	ACCENT
PNT-3	PAINT	SHERWIN WILLIAMS	-	-	SW 6447	EVERGREENS	09 91 23	HM DOOR FRAMES, HANDRAILS, GUARDRAILS, STRINGERS. CORRIDOR ACCENT SOFFITS
PNT-4	PAINT	SHERWIN WILLIAMS	-	-	SW 6992	INKWELL	09 91 23	EXPOSED CEILING STRUCTURE, HVAC, AND OTHER EXPOSED ELEMENTS.
PNT-5	PAINT	SHERWIN WILLIAMS	-	-	SW 7666	FLUER DE SEL	09 91 23	PRE-K GENERAL WALL PAINT
PNT-6	PAINT	SHERWIN WILLIAMS	-	-	SW 6213	HALCYON GREEN	09 91 23	PRE-K ACCENT WALL PAINT
PNT-7	PAINT	SHERWIN WILLIAMS	-	-	SW 7006	EXTRA WHITE	09 91 23	GENERAL GWB SOFFITS
RESILIENT BASE								
RB-1	RUBBER BASE	ROPPE	700 SERIES BASE	4" H	123	CHARCOAL	09 65 00	GENERAL
RESILIENT FLOORING								
RF-1	RUBBER TILE	NORA FLOORING	NORAMENT GRANO	39.53" X 39.53"	5114	FRANKINCENSE	09 65 00	GENERAL CORRIDOR & RAMPS
RF-2	RUBBER TILE	NORA FLOORING	NORAMENT GRANO	39.53" X 39.53"	5304	BLACK PEPPER	09 65 00	CORRIDOR BORDERS & ACCENT
RF-3	RUBBER TILE	NORA FLOORING	NORAMENT GRANO	39.53" X 39.53"	5272	MYRRH	09 65 00	CORRIDOR CHARCOAL ACCENT
RF-4	RUBBER TILE	NORA FLOORING	NORAPLAN CONVIA	24" X 24"	7351	PEARL GREY	09 65 00	PRE-K GENERAL
RF-5	RUBBER TILE	NORA FLOORING	NORAPLAN CONVIA	24" X 24"	7376	BILLIARDS	09 65 00	PRE-K ACCENT - DARK GREEN
RF-6	RUBBER TILE	NORA FLOORING	NORAPLAN CONVIA	24" X 24"	7366	PATINA GREEN	09 65 00	PRE-K ACCENT - LIGHT GREEN
RF-7	RUBBER TILE	NORA FLOORING	NORAPLAN CONVIA	24" X 24"	7370	PIGEON BLUE	09 65 00	PRE-K ACCENT - MEDIUM BLUE
RF-8	RUBBER TILE	NORA FLOORING	NORAPLAN CONVIA	24" X 24"	7369	HYDRANGEA	09 65 00	PRE-K ACCENT - LIGHT BLUE
RF-9	RUBBER TILE	NORA FLOORING	NORAMENT GRANO XTRAC	39.53" X 39.53"	5114	FRANKINCENSE	09 65 00	CORRIDOR RAMPS
RF-10	RUBBER TILE	NORA FLOORING	NORAMENT GRANO XTRAC	39.53" X 39.53"	5304	BLACK PEPPER	09 65 00	CORRIDOR RAMP ACCENT BORDER
SOLID SURFACE								
SSM-1	SIMULATED STONE	CORIAN	COLORS BY DUPONT	1/2" THICK	-	ANTARCTICA	12 36 00	CORRIDOR BENCH SEATING & GENERAL COUNTERTOPS
STAIR TREADS								
RT-1	RUBBER TREAD	NORA FLOORING	NORAMENT GRANO TREADS WITH INTEGRAL RISER AND VISUALLY IMPARED STRIP	V.I.F.	5303 / 0985 / 0597	FRANKINCENSE	09 65 00	STAIRS. VISUALLY IMPARED STRIP TO BE YELLOW 0895 AND BLACK 0597
TACTILE WALL PANEL								
TTP-1	TEXTILE WALL PANEL	PLATINUM VISUAL SOLUTIONS / FORBO	P360 SYSTEM - TOUCHTONE PANEL	AS SHOWN	290025	CALGARY RIVIERA	10 11 00.13	PRE-K WALL SYSTEM - TACKABLE / TACTILE WALL PANEL
TOILET PARTITIONS								
TP-1	COLOR THROUGH PHENOLIC	ASI GLOBAL PARTITIONS	ULTIMATE PRIVACY - 72	-	9842	WEATHERED ASH	10 21 13.17	PRE-K TOILET ROOMS
TRANSITION STRIPS								
TS-1	RUBBER TRANSITIONS	ROPPE	ADAPTERS AND TRANSITIONS	AS REQ'D BY FLOORING THICKNESS	123	CHARCOAL	09 65 00	RESILIENT FLOORING TO EXISTING FLOORING
TS-2	STAINLESS STEEL	SCHLUTER	RONDEC	AS REQ'D BY TILE THICKNESS	-	BRUSHED STAINLESS	09 30 00	EXPOSED HORIZONTAL EDGES AND OUTSIDE CORNERS
TS-3	STAINLESS STEEL	SCHLUTER	RENO-U	AS REQ'D BY FLOORING THICKNESS	-	BRUSHED STAINLESS	09 30 00	FLOOR TILE TO LOWER HEIGHT FLOOR TRANSITIONS
TS-4	STAINLESS STEEL	SCHLUTER	JOLLY	AS REQ'D BY TILE THICKNESS	-	BRUSHED STAINLESS	09 30 00	EXPOSED VERTICAL EDGES OF TILE
WALL TILE								
WT-1	GLAZED CERAMIC	DALTILE	COLOR WHEEL LINEAR	4" X 16"	0190	ARCTIC WHITE - GLOSSY	09 30 00	FIELD WALL TILE
WT-2	GLAZED CERAMIC	DALTILE	COLOR WHEEL LINEAR	4" X 16"	0115	EMERALD - GLOSSY	09 30 00	GREEN ACCENT WALL TILE
WT-3	GLAZED CERAMIC	DALTILE	COLOR WHEEL LINEAR	4" X 16"	X114	DESERT GRAY - GLOSSY	09 30 00	GREY ACCENT WALL TILE
WT-4	GLAZED CERAMIC	DALTILE	COLOR WHEEL CLASSIC	4" X 16"	0180	CHALKBOARD - GLOSSY	09 30 00	MAIN CORRIDOR RAMP - GREY ACCENT
WT-5	GLAZED CERAMIC	DALTILE	COLOR WHEEL COLOR MATCH	4" X 16"	80	FERN - GLOSSY	09 30 00	MAIN COORIDOR RAMP - LIGHT GREEN ACCENT
WT-6	GLAZED CERAMIC	DALTILE	COLOR WHEEL CLASSIC	4" X 16"	0148	SPA - GLOSSY	09 30 00	MAIN CORRIDOR RAMP - WATER ACCENT
WHITEBOARDS								
MKBD-1	MAGNETIC PORCELAIN ENAMEL WHITEBOARD	PLATINUM VISUAL SOLUTIONS	P360 SYSTEM - WRITANIUM SURFACES	AS SHOWN	-	SOFT GREY	10 11 00.13	PRE-K WALL SYSTEM - WRITEABLE SURFACES
MKBD-2	MAGNETIC PORCELAIN ENAMEL WHITEBOARD	PLATINUM VISUAL SOLUTIONS	P360 SYSTEM - WRITANIUM SURFACES	AS SHOWN	-	CLEARWATER	10 11 00.13	PRE-K WALL SYSTEM - WRITEABLE SURFACES
WINDOW SHADES								
WS-1	VINYL COATED POLYESTER	DRAPER / PFIFER	CLUTCH OPERATED FLEX SHADE / SHEERWEAVE STYLE PW450 3% OPEN0	V.I.F.	P10	GRANITE	12 24 00	LIGHT FILTERING WINDOW SHADES
WS-2	VINYL COATED POLYESTER	DRAPER / PFIFER	CLUTCH OPERATED FLEX SHADE / SHEERWEAVE STYLE SW7000RD	V.I.F.		PORPOISE / OFF-WHITE	12 24 00	BLACKOUT WINDOW SHADES
WOOD WALLS								
WWP-1	WOOD WALL PLANKS	RULON INTERNATIONAL	LINEAR CLOSED PLANKS - CLASS A RATED	4" X 96"	-	ASH - CLEAR	09 78 00	LOBBY WALL PLANKS
WWP-2	WOOD WALL PANELS	RULON INTERNATIONAL	FLAT PANEL - CLASS A RATED	AS SHOWN	-	ASH - CLEAR	09 78 00	LOBBY WALL PANELS - BENCH BACKS
WWS-1	WOOD WALL SLATS	RULON INTERNATIONAL	PANEL GRILLES - CLASS A RATED	1-1/4" THICK X 2 5/16" D	PG 4-20-37	ASH - CLEAR	09 78 00	LOBBY WALL GRILLES

ROOM FINISH SCHEDULE

Interiors Match Line Area	ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	DOOR FRAME	CEILING	COUNTERTOP	WINDOW SILL	CASEWORK	WINDOW TREATMENTS	COMMENTS
FIRST FLOOR AREA A												
FIRST FLOOR AREA A	1	ELEVATOR	RF-1	-	-	-	-	-		-	-	WALL & CEILING FINISHTO BE SELECTED BY ARCHITECT FROM MANUFACTURER STANDARD FINISHES.
FIRST FLOOR AREA A	201	SECONDARY SOCIAL STUDIES	LVT-1,2	RB-1	ETR	ETR	ETR	-	ETR	-	ETR	
FIRST FLOOR AREA A	202	CSE OFFICE	LVT-1,2	RB-1	ETR	ETR	ETR	-	ETR	-	ETR	
FIRST FLOOR AREA A	203	HS ENGLISH	LVT-1,2	RB-1	ETR	ETR	ETR	ETR	ETR	-	ETR	
FIRST FLOOR AREA A	209	CORR.	RF-1,2,3	CB-3	WT-1,2,6	ETR / PNT-3	ACT-1	-	-	-	-	
FIRST FLOOR AREA A	209A	CORR.	RF-1,2,3 / CPT-1 / TS-1	CB-3	WT-1,2,3,4,5,6 / WW-1 / WWS-1	ETR / PNT-3	ACT-2 / ACB-1	-		STN-1	-	PAINT SOFFITS PNT-3. PROVIDE STAIR TREADS RT-1. PROVIDE SOLID SURFACE BENCH SEATS, SSM-1.
FIRST FLOOR AREA A	ST2	STAIR	ETR	ETR	ETR	ETR	ACT-1	-	-	-	-	PAINT SOFFIT PNT-7
FIRST FLOOR AREA A	ST3	STAIR	ETR	ETR	ETR	ETR	ACT-1	-	-	-	-	PAINT SOFFIT PNT-7
FIRST FLOOR AREA B												
FIRST FLOOR AREA B	209B	CORR.	RF-1,2,3 / TS-1	CB-3	WT-1,2,6	ETR / PNT-3	ACT-1,2 / ACB-1	-			-	PAINT SOFFITS PNT-7
FIRST FLOOR AREA B	209F	T. RM	ETR	ETR	ETR	ETR	ACT-1	-	-	-	-	
FIRST FLOOR AREA B	209I	T. RM	ETR	ETR	ETR	ETR	ACT-1	-	-	-	-	
FIRST FLOOR AREA B	238	LIBRARY	ETR	ETR	ETR	ETR		ETR	ETR	ETR	ETR	
FIRST FLOOR AREA C												
FIRST FLOOR AREA C	2	ELEVATOR	RF-1	-	-	-	-	-	-	-	-	WALL & CEILING FINISHTO BE SELECTED BY ARCHITECT FROM MANUFACTURER STANDARD FINISHES.
FIRST FLOOR AREA C	247	CORRIDOR	ETR / CPT-1	CB-1	WT-1,2,3	ETR / PNT-3	ETR / PNT-7	-	-	-	-	
FIRST FLOOR AREA C	250	KINDERGARTEN	LVT-1,2	RB-1	ETR / PTM	ETR / PNT-3	ETR	ETR	ETR	ETR	ETR	
FIRST FLOOR AREA C	252	PRE-KINDERGARTEN	RF-4,5,6,7,8 / CPT-2	RB-1	PNT-5,6 / WT-1,2,3	ETR / PNT-3	ACT-1	SSM-1	ETR	ETR	WS-2	PROVIDE P360 WALL SYSTEM, REFER TO 1,2/MB-A8.5 FOR DETAILS. PROVIDE SOLID SURFACE BENCH SEATS, SSM-1.
FIRST FLOOR AREA C	252A	T. RM	FT-1,2	CB-1,2	WT-1,2,3 / PNT-1	PNT-3	ACT-1	-	-	-	-	
FIRST FLOOR AREA C	252B	STORAGE	RF-4	RB-1	PNT-5	PNT-3	ACT-1	-	-	-	-	
FIRST FLOOR AREA C	254A	T. RM	ETR	ETR	ETR	ETR	ACT-1	-	-	-	-	
FIRST FLOOR AREA C	255A	LAN				ETR						
FIRST FLOOR AREA C	273	AUXILIARY GYMNASIUM	ETR	ETR	ETR / PTM	ETR / PNT-3	ETR	-	-	-	-	PROVIDE NEW BACKSTOPS
SECOND FLOOR AREA A												
SECOND FLOOR AREA A	307	HIGH SCHOOL MATH	LVT-1,2	RB-1	ETR	ETR	ETR	ETR	SSM-1	ETR	WS-1	
SECOND FLOOR AREA A	308	CORR.	ETR / RF-1,2	ETR / RB-1	ETR	ETR	ETR	ETR	-	-	-	PROVIDE STAIR TREADS RT-1
SECOND FLOOR AREA A	315	HS MATH	LVT-1,2	RB-1	ETR	ETR	ACT-1	-	ETR	-	ETR	
SECOND FLOOR AREA A	320	HS SPANISH	ETR	ETR	ETR / PTM	ETR	ACT-1	-	ETR	-	ETR	
SECOND FLOOR AREA B												
SECOND FLOOR AREA B	316	GRADE 6	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	317	GRADE 6	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	318	GRADE 3	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	319	GRADE 3	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	322	ART CLASSROOM	ETR	ETR	WT-1,3 / PNT-1	PNT-3	ACT-1	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	322A	KILN RM	ETR	ETR	ETR	PNT-3	ACT-1	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	323	GRADE 5	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	324	GRADE 4	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA B	325	GRADE 4	ETR	ETR	ETR	ETR	ACT-1 / PNT-7	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA C												
SECOND FLOOR AREA C	329	GRADE 2	LVT-1,2	RB-1	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA C	331	GRADE 2	LVT-1,2	RB-1	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
SECOND FLOOR AREA C	332	RTI	LVT-1,2	RB-1	ETR	ETR	ETR	ETR	ETR	ETR	ETR	



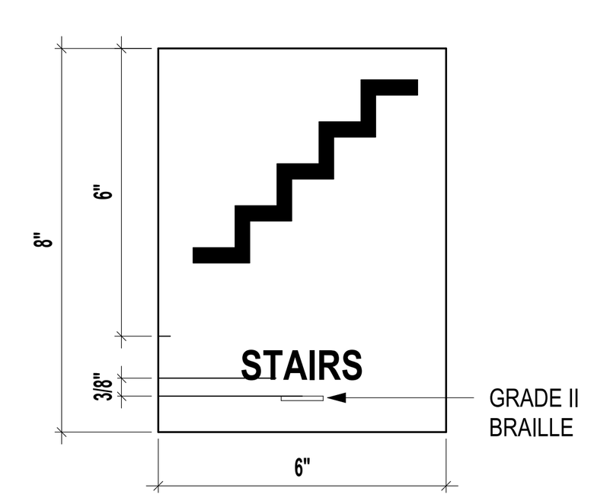
12 TYPE-35 3D LETTERS & LOGO
3/8" = 1'-0"



11 TYPE-8 BUILDING DIRECTORY
3" = 1'-0"

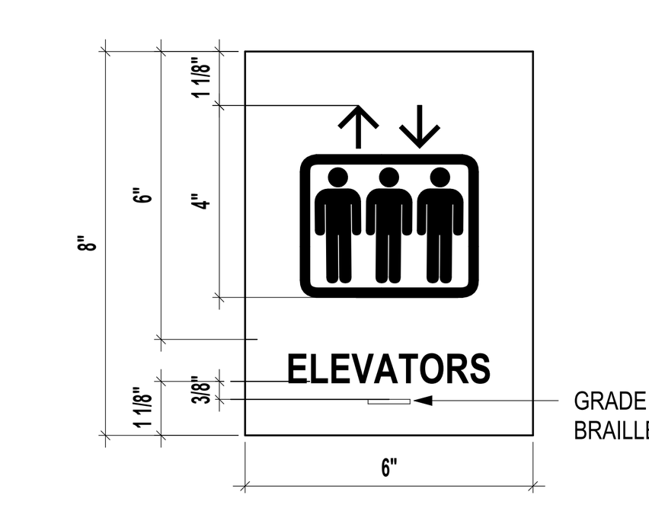
ROOM SIGNAGE SCHEDULE

ROOM/SIGN NUMBER	ROOM NAME	SIGN NAME	TYPE #	REMARKS/COMMENTS
2	ELEVATOR	ELEVATOR	31, 32	
201	SECONDARY SOCIAL STUDIES	-	1,2	PAPER INSERT PROVIDED BY OWNER
202	CSE OFFICE	-	1,2	PAPER INSERT PROVIDED BY OWNER
203	HS ENGLISH		1,2	PAPER INSERT PROVIDED BY OWNER
204	PRINCIPAL	TBD	3	LOCATE WHERE DIRECTED BY ARCHITECT
209	CORR.	TBD	3	LOCATE WHERE DIRECTED BY ARCHITECT
209A	CORRIDOR	-	8,35	LOCATE SIGN WHERE INDICATED ON 5/MB-A8.5
210	ADMINISTRATION	MAIN OFFICE	3	
215	GIRLS T.R.	GIRLS	13	
216	BOYS T.R.	BOYS	15	
220	SCHOOL STORE	SCHOOL STORE	3	
221	TECH WORK ROOM	-	1,2	PAPER INSERT PROVIDED BY OWNER
221A	COPY/ WORK RM.	COPY	3	
252	PRE-KINDERGARTEN	-	1,2	PAPER INSERT PROVIDED BY OWNER
252	PRE-KINDERGARTEN	-	1,2	PAPER INSERT PROVIDED BY OWNER
252A	T. RM	RESTROOM	11	
252B	STORAGE	STORAGE	3	
254A	T. RM	RESTROOM	11	
391	GYMNASIUM STATION #2	GYMNASIUM	3	

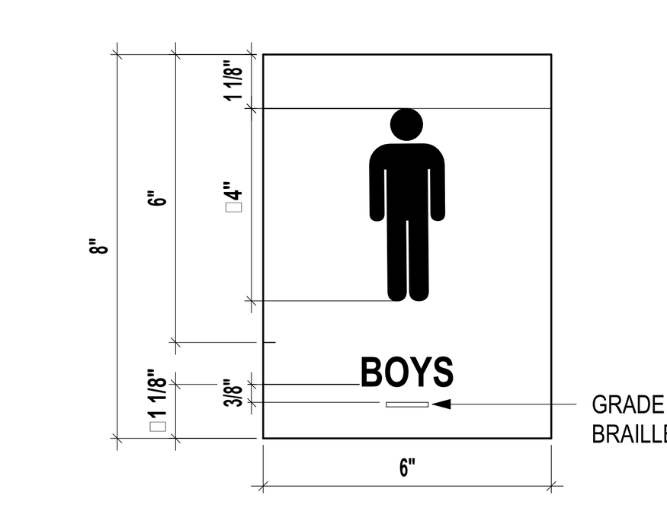


10 TYPE-33 STAIRS
3" = 1'-0"

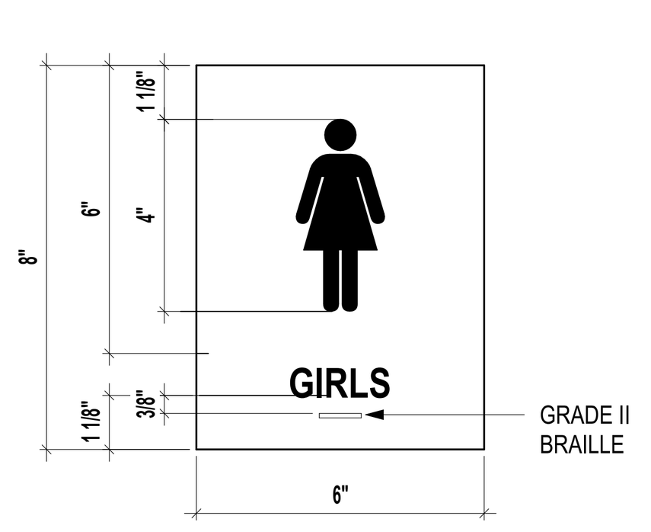
9 TYPE-32 ELEVATOR - DO NOT USE
3" = 1'-0"



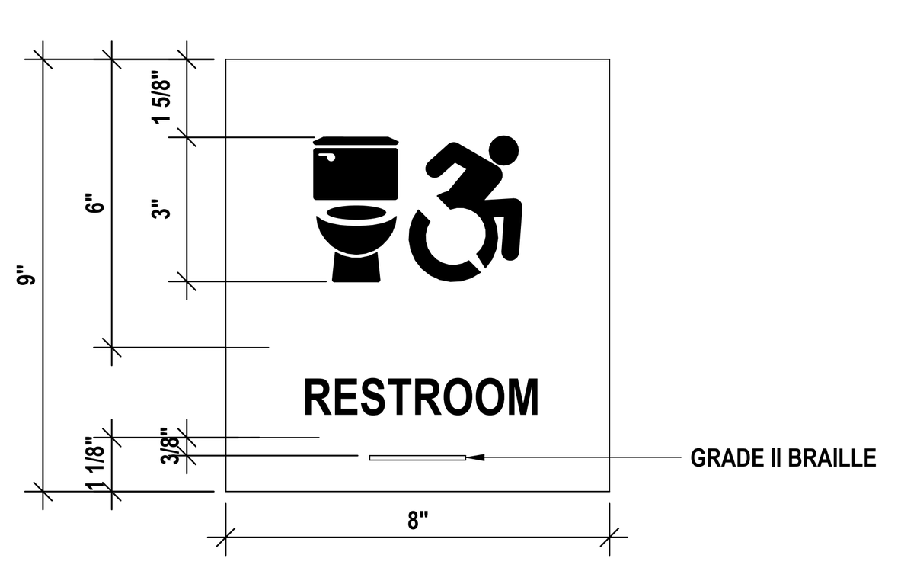
8 TYPE-31 ELEVATOR
3" = 1'-0"



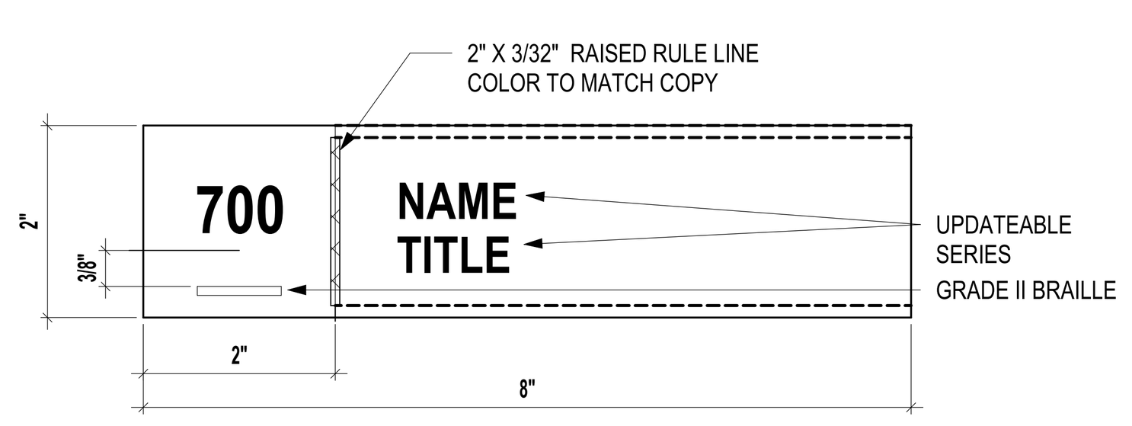
7 TYPE-15 BOYS TOILET ROOM, NON-ACCESSIBLE
3" = 1'-0"



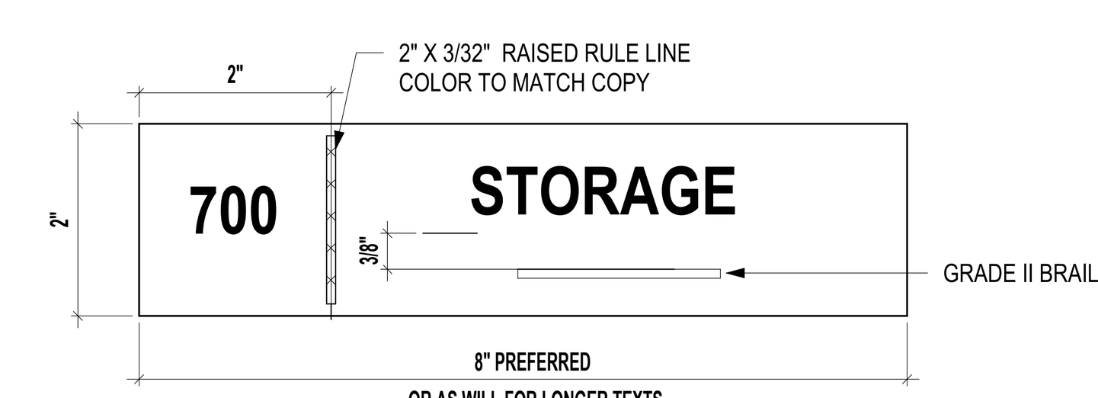
6 TYPE-13 GIRLS TOILET ROOM, NON-ACCESSIBLE
3" = 1'-0"



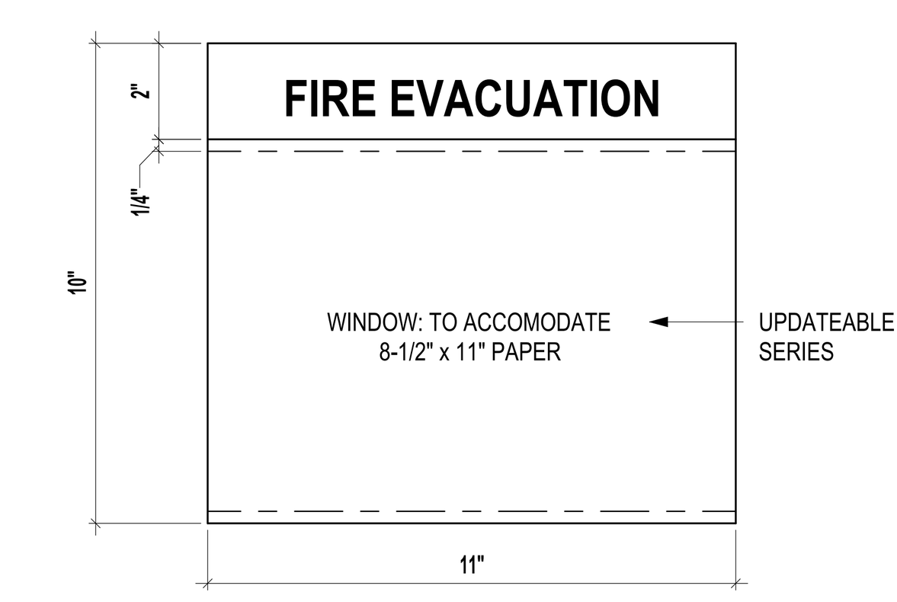
5 TYPE-11 RESTROOM, ACCESSIBLE
3" = 1'-0"



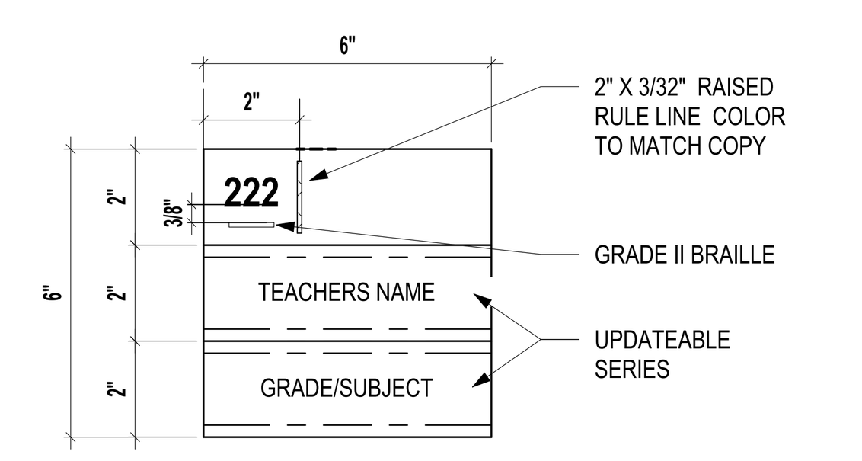
4 TYPE-4 CHANGEABLE RM W/NUMBER
6" = 1'-0"



3 TYPE-3 PERMANENT ROOM W/NUMBER
6" = 1'-0"



2 TYPE-2 EVACUATION PLAN
3" = 1'-0"



1 TYPE-1 CLASSROOM CHANGEABLE
3" = 1'-0"

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1	02/09/2026	ISSUED FOR BID
2	2/19/2026	ADDEDUM #1

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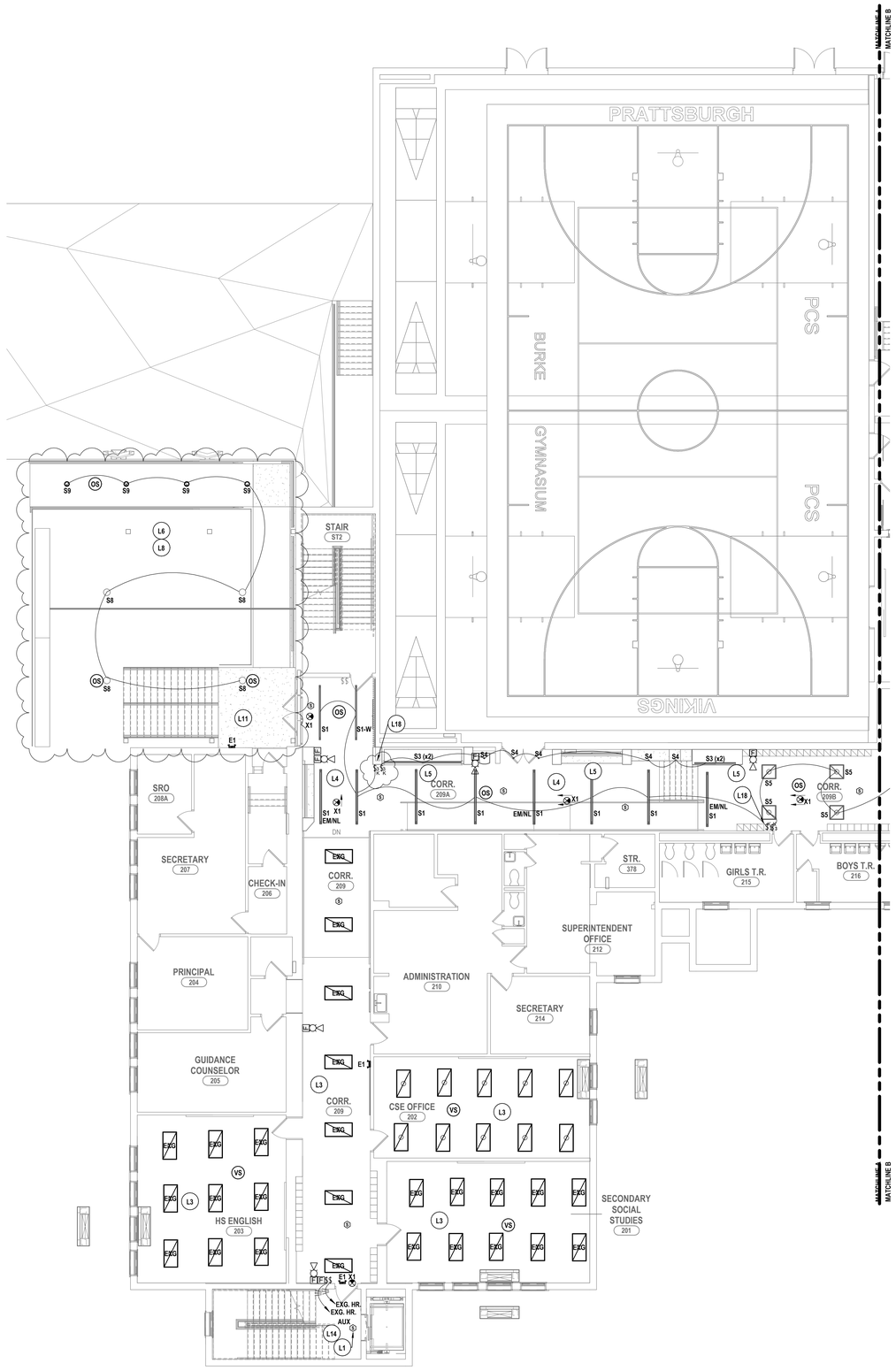
BINGHAMTON, NY 607 - 798 - 8081 ALBANY, NY 607 - 798 - 8081
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

Main Building - SED# 57-23-01-04-0-001-034, Toilet Room Facility - SED# 57-23-01-04-7-012-001, Dugout with Storage - SED# 57-23-01-04-2-005-001, Auxiliary Building - SED# 57-23-01-04-0-002-012, Agricultural Building - SED# 57-23-01-04-0-008-012

INTERIOR FINISH SCHEDULES
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1ACADEMY STREET, PRATTSBURGH, NY 14873

MB-A9.1

PROJECT NO: 2716-043



1 FIRST FLOOR LIGHTING & FA PLAN AREA A
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL

REFER TO MB-E0.1.

CONSTRUCTION NOTES - LIGHTING

<varies>

L1 PROVIDE SMOKE DETECTOR ON EACH ELEVATOR OPEN FLOOR. TIE AUX. CONTACTS TO ELEVATOR CONTROLLER AND ASSOCIATED SMOKE CURTAIN.

L2 REINSTALL EXISTING WALL MOUNTED ELECTRICAL DEVICES. COORDINATE WORK WITH GC.

L3 RE-INSTALL AND CONNECT ALL CEILING MOUNTED ELECTRICAL DEVICES IN THIS SPACE TO THEIR EXISTING CIRCUITRY ONCE WORK BY OTHER TRADES HAVE BEEN COMPLETED. CONNECT FIXTURES TO EXG. ROOM LIGHTING HOMERUN. RE-CONNECT LIGHT FIXTURES TO EXISTING SWITCHING. CLEAN FIXTURES PRIOR TO RE-INSTALLATION. COORDINATE WITH OTHER TRADES PRIOR TO STARTING WORK.

L4 PROVIDE LIGHTING FIXTURES IN QUANTITIES AS SHOWN IN THIS SPACE. PROVIDE ALSO 0-10V DIMMING CONTROLS AND OCCUPANCY SENSOR EVERY 50 FT.

L5 PROVIDE LIGHTING FOR TROPHY CASE AS SHOWN ON PLAN. COORDINATE WITH A-SERIES DRAWINGS FOR MORE INFORMATION.

L6 NEW LED LIGHTING (KIRLIN LSV-12487) AT CANOPY.SEE E1.2 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.

L7 CONTRACTOR TO PROVIDE ALL NECESSARY FIRE ALARM CONNECTIONS REQUIRED FOR ELEVATOR EQUIPMENT. COORDINATE SAID REQUIREMENTS WITH ELEVATOR MODERNIZATION COMPANY PRIOR TO ORDERING MATERIALS.

L8 PROVIDE LIGHTING FIXTURES S8 AND S9 IN QUANTITIES AS SHOWN ON LIGHTING PLAN. PROVIDE 7-PIN DAYLIGHT PHOTOCELL FOR CONTROL OF EXTERIOR MOUNTED LIGHT FIXTURES. EXTERIOR PHOTOCELL TO BE SUITABLE FOR OUTDOOR ENVIRONMENTS AND TO BE MOUNTED TO EXTERIOR CANOPY. COORDINATE EXACT PHOTOCELL LOCATION WITH MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS. PHOTOCELL OPERATION TO TURN LIGHTS ON IN NIGHTTIME/LOW LIGHT CONDITION AND TURN LIGHTS OFF IN DAYTIME/HIGH LIGHT CONDITION. PROVIDE ALSO QTY (3X) EXTERIOR RATED OCCUPANCY SENSOR DEVICES AS SHOWN ON LIGHTING PLAN TO CONTROL EXTERIOR MOUNTED LIGHT FIXTURES. OCCUPANCY SENSORS TO AUTOMATICALLY SHUT OFF EXTERIOR LIGHT FIXTURES AFTER NO MORE THAN 15 MINUTES OF SENSED VACANCY.

L9 PROVIDE NEW DIMMING LIGHTING CONTROL.

L10 COMMISION CORRIDOR TO 35FC. REVIEW FINAL LIGHTING LEVELS WITH OWNER / ARCHITECT.

L11 RE-INSTALL PREVIOUSLY SECURE FACPS IN THIS LOCATION ABOVE BANK OF SWITCHES. RE-USE PREVIOUSLY SECURED ASSOCIATED CABLING AND CIRCUITRY. MODIFY / EXTEND AS NEEDED.

L12 RECONNECT LIGHT FIXTURES TO EXISTING BRANCH CIRCUITRY. RECONNECT TO EXISTING SWITCHING. CONTRACTOR TO CONFIRM EXISTING SWITCHING IS COMPATIBLE WITH NEW LIGHTING FIXTURES. MODIFY / EXTEND CIRCUITRY AS NEEDED.

L13 PROVIDE FUSED 20A SAFETY SWITCH FOR CAB LIGHTING. INTEGRATE INTO CAB LIGHTING CIRCUIT.

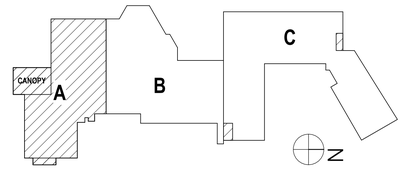
L14 PROVIDE ELEVATOR SMOKE CURTAINS AT EACH LEVEL WHERE THE HOISTWAY OPENS TO THE CORRIDOR. PROVIDE A DEDICATED 120V, 20A CIRCUIT TO EACH UNIT PER MANUFACTURER REQUIREMENTS. UNLESS NOTED OTHERWISE, USE (2)-12, (1)-12G, IN 3/4"C. CONNECT TO THE NEAREST PANEL SERVING SAFETY LOADS.

L15 PROVIDE ADDITIONAL EXIT SIGN DUE TO OBSTRUCTED VISIBILITY OF PRIMARY EXIT.

L16 PROVIDE A DEDICATED CIRCUIT FOR ELEVATOR PIT LIGHTING. FEED THE PIT LIGHTING FROM THE EXISTING PANEL SPACE SERVING THE ELEVATOR PIT. EXTEND AND INTEGRATE WITH EXISTING PIT LIGHTING CIRCUITRY AS REQUIRED.

L18 ALL SWITCHES MUST BE KEY SWITCHES, GRAY COLOR, WITH STAINLESS STEEL COVER PLATES.

L19 IN ALL TOILET ROOMS THAT DO NOT HAVE AN EXISTING EMERGENCY LIGHT, A NEW EMERGENCY LIGHT SHALL BE INSTALLED.
WHERE AN EXISTING EMERGENCY LIGHT IS PRESENT, IT SHALL BE REINSTALLED AFTER CEILING WORK IS COMPLETED.



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BINGHAMTON, NY 607 - 584 - 6061 TOWANDA, PA 570 - 265 - 4888
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22031314641

FIRST FLOOR LIGHTING & FA PLAN - AREA A

2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1 ACADEMY STREET PRATTSBURGH, NY 148473

Main Building: SED# 57-23-01-04-0-001-024; Dugout with storage: SED# 57-23-01-04-2-005-001; Auxiliary Building: SED# 57-23-01-04-0-002-012; Agricultural Building: SED# 57-23-01-04-0-008-012 Toilet Room Facility SED# 57-23-01-04-0-007-001

MB-E2.2

PROJECT NO: 2716-043

MECHANICAL EQUIPMENT CONNECTION AND CONTROL SCHEDULE

EQUIPMENT						SUPPLY				CONTROL DEVICES MOUNTED IN ROOMS AS SCHEDULED AND AS SHOWN ON PLANS (AU = AT UNIT)																		
IDENTIFICATION / TAG	DESCRIPTION	LOCATION (ROOM #)	HORSEPOWER / KILOWATTS / FLA / MCA	PHASE	VOLTAGE	PANEL OR CONTROL CENTER	CIRCUIT BREAKER	WIRE SIZE	REFERENCE NOTES	DISCONNECT SWITCH (FURNISHED & INSTALLED BY E.C.)	DISCONNECT SWITCH (FURNISHED BY H.C. & INSTALLED BY E.C.)	PRE-WIRED/FACTORY MOUNTED DISCONNECT SWITCH (BY MNFTR.)	MANUAL MOTOR STARTER (FURNISHED & INSTALLED BY E.C.)	MAGNETIC STARTER (FURNISHED & INSTALLED BY E.C.)	COMBINATION STARTER (FURNISHED & INSTALLED BY E.C.)	VARIABLE SPEED DRIVE (FURNISHED & INSTALLED BY E.C.)	VFD PACKAGE (FURNISHED & INSTALLED BY H.C. CONNECTED BY E.C.)	VFD WITH CHOKE (FURNISHED BY H.C.& INSTALLED BY E.C.)	PACKAGED CONTROL UNIT	SINGLE POINT CONNECTION	FAN SHUTDOWN UPON FACP ACTIVATION (X>1000CFM)	DUCT SMOKE DETECTOR IN RETURN DUCT (X>2000CFM)	BOILER SHUTDOWN SAFETY SWITCH	LINE VOLTAGE THERMOSTAT (FURNISHED BY H.C. & INSTALLED BY E.C.)	FACTORY MOUNTED STARTER & DISCONNECT (BY MFR.)	CONNECT AQUASTAT	PROVIDE 20AMP, 120V GFCI RECEPTACLE IN WEATHERPROOF ENCLOSURE AT UNIT.
DOAS-1	DEDICATED OUTSIDE AIR SYSTEM	ROOF	190.8 MCA	3	208	PP-HVAC	200A/3P	(3)-#3/0, (1)-#6G IN 2"C		X									X	X	X	X						
ACCU-1A	AIR COOLED CONDENSING UNIT	ROOF	66 MCA	3	208	PP-HVAC	110A/3P	(3) - #1, (1) - #8G IN 1-1/2"C			X																	
ACCU-1B	AIR COOLED CONDENSING UNIT	ROOF	60 MCA	3	208	PP-HVAC	100A/3P	(3) - #1, (1) - #8G IN 1-1/2"C			X																	
ACCU-2A	AIR COOLED CONDENSING UNIT	ROOF	66 MCA	3	208	PP-HVAC	110A/3P	(3) - #1, (1) - #8G IN 1-1/2"C			X																	X
ACCU-2B	AIR COOLED CONDENSING UNIT	ROOF	60 MCA	3	208	PP-HVAC-2	100A/3P	(3) - #1, (1) - #8G IN 1-1/2"C			X																	X
ACCU-3A	AIR COOLED CONDENSING UNIT	ROOF	55 MCA	3	208	PP-1 SEC 1	90A/3P	(3) - #2, (1) - #8G IN 1-1/4"C			X																	
ACCU-3B	AIR COOLED CONDENSING UNIT	ROOF	49 MCA	3	208	PP-1 SEC 1	80A/3P	(3) - #3, (1) - #8G IN 1-1/2"C			X																	
ACCU-4A	AIR COOLED CONDENSING UNIT	ROOF	63 MCA	3	208	PP-1 SEC 2	100A/3P	(3) - #1, (1) - #8G IN 1-1/2"C			X																	X
ACCU-4B	AIR COOLED CONDENSING UNIT	ROOF	57 MCA	3	208	PP-1 SEC 2	90A/3P	(3) - #2, (1) - #8G IN 1-1/4"C			X																	X
ACCU-5	AIR COOLED CONDENSING UNIT	ROOF	12 MCA	1	208	PP-HVAC-2	20A/2P	(3) - #12, (1) - #12G IN 3/4"C			X																	
EV-1	VRF INDOOR UNIT	COR. 308	0.35 MCA	1	208	EP-21	20A/2P	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-2	VRF INDOOR UNIT	322	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-3	VRF INDOOR UNIT	322	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-4	VRF INDOOR UNIT	322	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-5	VRF INDOOR UNIT	323	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-6	VRF INDOOR UNIT	323	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-7	VRF INDOOR UNIT	323	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-8	VRF INDOOR UNIT	324	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-9	VRF INDOOR UNIT	324	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-10	VRF INDOOR UNIT	324	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-11	VRF INDOOR UNIT	325	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-12	VRF INDOOR UNIT	325	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-13	VRF INDOOR UNIT	325	0.29 MCA	1	208	EV-1	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-14	VRF INDOOR UNIT	COR. 308	0.29 MCA	1	208	EP-21	20A/2P	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-15	VRF INDOOR UNIT	462	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-16	VRF INDOOR UNIT	462	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-17	VRF INDOOR UNIT	462	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-18	VRF INDOOR UNIT	318	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-19	VRF INDOOR UNIT	318	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-20	VRF INDOOR UNIT	318	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-21	VRF INDOOR UNIT	317	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-22	VRF INDOOR UNIT	317	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-23	VRF INDOOR UNIT	317	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-24	VRF INDOOR UNIT	316	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-25	VRF INDOOR UNIT	316	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-26	VRF INDOOR UNIT	316	0.29 MCA	1	208	EV-14	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
UV-1	UNIT VENTILATOR	320	4.3 MCA	1	120	EP-21	20A/1P	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-2	UNIT VENTILATOR	315	5 MCA	1	120	UV-1	--	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-3	UNIT VENTILATOR	201	4.3 MCA	1	120	LP3	20A/1P	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-4	UNIT VENTILATOR	204	4.3 MCA	1	120	UV-3	--	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-5	UNIT VENTILATOR	202	4.3 MCA	1	120	UV-3	--	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-6	UNIT VENTILATOR	304	4.3 MCA	1	120	LP3A	20A/1P	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-7	UNIT VENTILATOR	305	4.3 MCA	1	120	UV-6	--	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-8	UNIT VENTILATOR	306	4.3 MCA	1	120	LP3A	20A/1P	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
UV-9	UNIT VENTILATOR	307	4.3 MCA	1	120	UV-8	--	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
CUH-1	CABINET UNIT HEATER	COR. 209A	1.38 MCA	1	120	-	20A/1P	(3)-#12 , (1)-#12G IN 3/4"C	B			X																
HUV-1	HORIZONTAL UNIT VENTILATOR	275	15 MCA	1	120	247	20A/1P	(3)-#12 , (1)-#12G IN 3/4"C	A			X																
EV-27	VRF INDOOR UNIT	255A	1.3 MCA	1	208	LPC	20A/2P	(3)-#12 , (1)-#12G IN 3/4"C			X																	
EV-28	VRF INDOOR UNIT	255A	1.3 MCA	1	208	EV-28	--	(3)-#12 , (1)-#12G IN 3/4"C			X																	
ACCU-6	AIR COOLED CONDENSING UNIT	ROOF	34 MCA	1	208	LPC	50A/2P	(3)-#6 , (1)-#10G IN 3/4"C			X																	X
ACCU-7	AIR COOLED CONDENSING UNIT	ROOF	34 MCA	1	208	LPC	50A/2P	(3)-#6 , (1)-#10G IN 3/4"C			X																	X

NOTE: ALL DEVICES / EQUIPMENT / HARDWARE SHALL BE SUITABLE FOR USE IN THE ENVIRONMENT INDICATED, SEE SPECIFICATIONS FOR FURTHER INFORMATION.

* EACH EQUIPMENT MAY HAVE THEIR OWN DISCONNECT.

MECHANICAL EQUIPMENT CONNECTION AND CONTROL SCHEDULE REFERENCE NOTES:

A. PROVIDE 208V 1PH CONNECTION TO LEV CONTROLLER FOR HVAC UNIT. E.C. TO PROVIDE BOOST TRANSFORMER T279742S: 2KVA PRIMARY 120V SECONDARY 208V 1PH NEAR CONTROLLER LOCATION. EXTEND CIRCUITRY FROM UNIT POWER TO TRANSFORMER. CIRCUIT CONTROLLER FROM TRANSFORMER USING (2)-12, (1)-12G, IN 3/4"C. COORDINATE WITH OTHER TRADES PRIOR TO STARTING WORK.

B. RE-USE EXISTING CIRCUIT AND BREAKER. EXTEND / MODIFY CIRCUITRY TO NEW LOCATION. COORDINATE WITH OTHER TRADES PRIOR TO STARTING WORK.

LIGHT FIXTURE SCHEDULE

TYPE	LOCATION	FIXTURE DESCRIPTION	MANUFACTURER/CATALOG NO.	ALTERNATE MANUFACTURER	LAMP INFO	NOMINAL LUMENS	CONTROL TYPE	VOLTAGE	FIXTURE WATTAGE	NOTES
S1	CORRIDOR	2" WIDE PENDANT MOUNTED LINEAR CONTINUOUS LENSED DIMMABLE FIXTURE. FIXTURE HOUSING TO BE NOMINALLY 2"W X 4 3/8"H. FIXTURE TO BE EQUIPPED WITH EXTRUDED ALUMINUM HOUSING AND SEAMLESS POLYMER LENS.	PRUDENTIAL #BPRO2-LIN-FLSH-LED35-90-SO-8'-YBK-YBK(BLACK)-SAL-SC-CA48"-X1-DM01	AXIS MERCURY ALW	LED 3500K 90 CRI	575 LM/FT	0-10V	UNIV.	5.6 W/FT	1,5,6,7, 9,13
S1-W	CORRIDOR	FIXTURE TO BE SIMILAR IN ALL ASPECTS TO TYPE S1 EXCPET TO HAVE ASYMMETIC WALL WASH OPTIC AND REDUCED LUMEN OUTPUT.	PRUDENTIAL #BPRO2-LIN-FLSH-LED35-90-LO-8'-YBK-YBK(BLACK)-WWG-SC-CA48"-X1-DM01	AXIS MERCURY ALW	LED 3500K 90 CRI	400 LM/FT	0-10V	UNIV.	3.8 W/FT	1,5,9,13
S3	TROPHY CASE	.5" WIDE LINEAR LENSED SURFACE MOUNTED TAPE LIGHT. FIXTURE PROFILE TO BE NOMINALLY 1.07"W X .74"H. FIXTURE TO BE EQUIPPED WITH EXTRUDED ALUMINUM HOUSING, POLYCARBONATE LENS, AND REMOTE DIMMABLE DRIVER.	NEWTON #NLE-CG2-XX-AL11-FL-F-35-OE DRIVER: NLE-UNIPRO-60-24	QTL DIODE LED LUMINII	LED 3500K 90 CRI	625 LM/FT	0-10V	UNIV.	5.3 W/FT	3,4,6
S4	CORRIDOR	2" SQUARE FIXED LED DIMMABLE DOWNLIGHT. FIXTURE PROFILE TO BE NOMINALLY 4.00"H X 2.09"D. FIXTURE TO BE EQUIPPED WITH NEW CONSTRUCTION FRAME HOUSING AND SOFTENING LENS.	3G #3G-07-H95-35K-50D-UNV-DIM-XX-XX-NCF-SF	USAI LUMENWERX FOCAL POINT	LED 3500K 90 CRI	750LM	0-10V	UNIV.	7.5 W	3,4,9
S5	GENERAL	2'X2' RECESSED ARCHITECTURAL LED TROFFER FIXTURE. FIXTURE HOUSING TO BE NOMINALLY 23 3/4"W X 2 7/8"H. FIXTURE TO BE EQUIPPED WITH 5VA RATED HOUSING AND POLYSTYRENE DIFFUSING LENS.	DAY-BRITE #2DSRT3050LCS-2-UNV-DIM	KENALL MERCURY COOPER	LED 3500K 90 CRI	2750LM	0-10V	UNIV.	22 W	1,6,7, 10
S6	LIBRARY	4" ROUND FIXED RECESSED LED DIMMABLE DOWNLIGHT. FIXTURE HOUSING TO BE NOMINALLY 24" W X 8" L. FIXTURE TO BE EQUIPPED WITH NEW CONSTRUCTION HOUSING AND SPECULAR REFLECTOR. FIXTURE TO HAVE INTEGRAL DIMMABLE DRIVER/POWER SUPPLY.	LIGHTOLIER #4-R-N-P4R-DL-15-935-W-CC-Z10-U	3G FOCAL POINT COOPER	LED 3500K 90 CRI	1500 LM	0-10V	UNIV.	12.3 W	1,9
S7A	LIBRARY/ CLASSROOM	4" ROUND LED COMMERCIAL RETROFIT DOWNLIGHT. FIXTURE HOUSING TO BE NOMINALLY 4"W FRAME APETURE x 4.23"H. FIXTURE TO BE DIMMABLE AND LUMEN AND CCT SELECTABLE.	LIGHTOLIER #CR-4RLM-CCT-	3G FOCAL POINT COOPER	LED 3500K 90 CRI	1000 LM	0-10V	UNIV.	12 W	2,9,10
S7B	LIBRARY	6" ROUND FIXED LED COMMERCIAL RECESSED DIMMABLE DOWNLIGHT. FIXTURE TO BE NOMINALLY 6.23"W FRAME APERTURE x 5.24"H. FIXTURE TO BE LUMEN AND CCT SELECTABLE.	LIGHTOLIER #CR-6RLM-CCT-	3G FOCAL POINT COOPER	LED 3500K 90 CRI	1500 LM	0-10V	UNIV.	17 W	2,9,10
S8	ENTRY CANOPY	6" PENDANT MOUNTED LED CYLINDER DOWNLIGHT. FIXTURE HOUSING TO BE NOMINALLY 6"D X 15"H. FIXTURE TO BE EQUIPPED WITH ALUMINUM HOUSING, MICROPRISMATIC LENS, AND SWIVEL MOUNT FOR SLOPED CEILING APPLICAITONS. FIXTURE TO BE SUITABLE FOR OUTDOOR ENVIRONMENTS AND DAMP RATED.	KIRLIN #LSC-06RDN-3000L-MFL-35K-HC-UNV-88-89-PM	FOCAL POINT AMERLUX VOLUME	LED 3500K 90 CRI	3000 LM	0-10V	UNIV.	27.5 W	3,9,11
S9	ENTRY CANOPY	6" PENDANT MOUNTED LED CYLINDER DOWNLIGHT. FIXTURE HOUSING TO BE NOMINALLY 6"D X 10"H. FIXTURE TO BE EQUIPPED WITH ALUMINUM HOUSING, MICROPRISMATIC LENS, AND SWIVEL MOUNT FOR SLOPED CEILING APPLICAITONS. FIXTURE TO BE SUITABLE FOR OUTDOOR ENVIRONMENTS AND DAMP RATED.	KIRLIN #LSR-06173-2000L-35K-88-89-PM	FOCAL POINT AMERLUX VOLUME	LED 3500K 90 CRI	2000 LM	0-10V	UNIV.	20.2 W	3,9,11
EXG	GENERAL	EXISTING TO REMAIN	EXISTING TO REMAIN	-	LED	-	-	-	-	12
E1	GENERAL	WALL MOUNTED EMERGENCY LIGHT.	NICOR 1-10-UNIV-WH	CHLORIDE EMERGI-LITE COOPER	LED	200 LM	-	UNIV.	3 W	3,6
X1	GENERAL	CEILING MOUNTED LED EXIT SIGN. FIXTURE HOUSING TO BE NOMINALLY 16" W X 3" H. FIXTURE SIGN FACE TO BE 13" W AND 7" H. FIXTURE TO HAVE RED 6" HIGH LETTERING. FIXTURE TO BE EQUIPPED WITH NICKEL CADMIUM BATTERY BACKUP WITH MINUMUM 90 MINUTES OF RESERVE POWER.	EMERGI-LITE #LXN-X-N-R-X	DUAL-LITE COOPER ACUITY	LED	-	-	UNIV.	2.3 W	3,6,14

LIGHT FIXTURE SCHEDULE NOTES:

1. FIXTURE TO BE SUITABLE FOR MOUNTING WITHIN ACT CEILING CONDITION
2. FIXTURE TO BE SUITABLE FOR MOUNTING WITHIN GWB CEILING CONDITION
3. CONTRACTOR TO COORDINATE FIXTURE MOUNTING WITH APPROVED CEILING SHOP DRAWINGS, FIELD CONDITIONS, AND MANUFACTURER'S RECOMMENDATIONS
4. FIXTURE TO HAVE REMOTE DRIVER/POWER SUPPLY. CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECTURAL DRAWINGS, FIELD CONDITIONS, AND MANUFACTURER'S RECOMMENDATIONS
5. CONTRACTOR TO COORDINATE FIXTURE RUN LENGTH WITH ELECTRICAL LIGHTING DRAWINGS AND FIELD CONDITIONS
6. FIXTURES LABELED "EM" SHALL RECIEVE A 90 MINUTE BACKUP BATTERY WITH APPROPRIATE UL924 RATED TRANSFER DEVICE.
7. FIXTURES LABELED "EM/NL" SHALL BE CIRCUITED UNSWITCHED TO LIGHTING BRANCH CIRCUIT HOMERUN SERVING THE SPACE AND INCLUDE A 90 MINUTE BACKUP BATTERY WITH APPROPRIATE UL924 RATED TRANSFER DEVICE.
8. NEW FIXTURE TO BE INSTALLED IN CEILING CUTOUT EXISTING FROM RECESSED FIXTURE REMOVED AT DEMO PHASE. COORDINATE NEW FIXTURE MOUNTING CONDITION IN EXISTING CUTOUT WITH FIELD CONDITIONS AND FIXTURE MANUFACTURER RECOMMENDATIONS. CONNECT REPLACEMENT LIGHT FIXTURES TO EXISTING HOMERUN CIRCUIT AND LIGHTING CONTROL SYSTEM. CONTRACTOR TO ENSURE THAT RETROFIT LED LIGHTS ARE COMPATIBLE WITH EXISTING LIGHTING CONTROL SYSTEM.
9. CONFIRM FIXTURE FINISH WITH LIGHTING DESIGNER PRIOR TO ORDERING.
10. FIXTURE TO HAVE SELECTABLE LUMEN OUPUT AND COLOR TEMPERATURE SETTING. CONTRACTOR TO SET FIXTURE TO LUMENS/CCT LISTED IN LIGHTING SCHEDULE PRIOR TO INSTALL.
11. FIXTURE TO BE SURFACE MOUNTED TO JUNCTION BOX ON EXTERIOR CANOPY. CONTRACTOR TO COORDINATE FIXTURE MOUNTING WITH FIELD CONDITIONS AND MANUFACTURER RECOMMENDATIONS.
12. FIXTURE EXISTING TO REMAIN. HARVEST CURRENTLY INSTALLED LIGHT FIXTURES AT DEMO PHASE AND REINSTALL IN LOCATIONS SHOWN ON ELECTRICAL LIGHTING PLANS AND ARCHITECTRUAL RCPS. RECONNECT LIGHT FIXTURES TO EXISTING HOMERUN CIRCUIT. REINSTALL FIXTURES TO CURRENTLY INSTALLED LIGHTING CONTROL SYSTEM AND PROGRAM LIGHTING CONTROLS TO MATCH PRE-DEMO OPERATBILITY.
13. BOTTOM OF PENDANT FIXTURE TO BE ALIGNED WITH BOTTOM OF ACOUSTIC BAFFLE PENDANTS.
14. COORDINATE FIXTURE FACE QUANTITY AND ARROW CONFIGURATION WITH ELECTRICAL LIGHTING PLANS.

Branch Panel: PP-HVAC-2

Location: STOR. 346
Supply From: PP-HVAC
Mounting: SURFACE
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10 KAIC
Mains Type: FEED THROUGH LUGS
Mains Rating: 600 A
MCB Rating: 600 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	ACCU-2B	100 A	3				2	20 A	ACCU-5	2
3	--	--	--				--	--	--	4
5	--	--	--							6
7										8
9										10
11										12
13										14
15										16
17										18
19										20
21										22
23										24
25										26
27										28
29										30
31										32
33										34
35										36
37										38
39										40
41										42

Notes:

Main Building: SED# 57-23-01-04-0-001-034; Dugout with storage: SED# 57-23-01-04-2-005-001; Auxiliary Building: SED# 57-23-01-04-0-002-012; Agricultural Building: SED# 57-23-01-04-0-008-012 Toilet Room Facility SED#: 57-23-01-04-7-012-001

DRAWN BY:	JXT
CHECKED BY:	TAWC
DATE:	12/18/2025
PHASE:	CD

Copyright: 2026

#	DATE:	DESCRIPTION OF REVISION:
1	02/09/2026	ISSUED FOR BID

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL."

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WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

SCHEDULES & DETAILS

2025 CAPITAL IMPROVEMENT PROJECT

PRATTSBURGH CENTRAL SCHOOL DISTRICT

1 ACADEMY STREET PRATTSBURGH, NY 148473

MB-E3.2

PROJECT NO: 2716-043

GRAPHIC KEY - CODE COMPLIANCE:

R.W.	INDICATES EXISTING RESCUE WIINDOW OPENING OF 2 FT IN THE LESSER DIMENSION OF 6 SF TOTAL AREA. OMIT THE SCREEN & PROVIDE AN ESCAPE
(line symbol)	1 HOUR BARRIER
(line symbol)	PATH OF EGRESS
(line symbol)	NEW CONSTRUCTION

2

(solid fill)	NOT OCCUPIED
(stipple hatch)	A-2 : ASSEMBLY
(line hatch)	S-2 : STORAGE

26	OCCUPANT LOAD (MAXIMUM ALLOWABLE OCCUPANT LOAD, ACTUAL OCCUPANCY BASED ON HOME ROOM & STAFF OCCUPANCY)
180	EXIT DOOR OCCUPANT CAPACITY EXIT WIDTH @ 0.2"/OCC. = OCCUPANT CAPACITY STAIR WIDTH @ 0.3"/OCC. = OCCUPANT CAPACITY
(hatch)	INDICATES AREAS OF ALTERATION
#	CORRIDOR OCCUPANT CAPACITY CORRIDOR WIDTH @ 0.2"/OCC. = OCCUPANT CAPACITY
⟵ # ⟶	COMMON PATH OF EGRESS TRAVEL.

BUILDING INFORMATION

GENERAL BUILDING INFORMATION:	
ORIGINAL YEAR BUILT:	2025
EXISTING CONSTRUCTION TYPE:	IIB,IIA
NEW CONSTRUCTION TYPE:	IIB, IIA
OCCUPANCY CLASSIFICATION:	A2 - ASSEMBLY A3 - ASSEMBLY S2 - STOARAGE
SQUARE FOOTAGE & OCCUPANT LOAD:	
NUMBER OF STORIES:	I
NUMBER OF SIDES ACCESSIBLE:	3
SPRINKLERED:	NO
ALLOWABLE BUILDING AREA:	14,500 S.F. PER FLOOR [TABLE 503]
BUILDING PERIMETER:	1411' [506]
BUILDING FRONTAGE:	1156' @ 30'W [506]
BUILDING FIRE RESISTANCE REQUIREMENTS:	
GROSS SQ. FT. OF BUILDING:	957 SF
TOTAL OCCUPANT LOAD:	4
EXTERIOR BEARING WALLS:	NON-COMBUSTIBLE
NON BEARING WALLS:	NON-COMBUSTIBLE
INTERIOR FIRE WALLS:	NON-COMBUSTIBLE
INTERIOR BEARING WALLS OF PARTITIONS:	NON-COMBUSTIBLE
PARTITIONS ENCLOSING SHAFTS:	NON-COMBUSTIBLE
PARTITIONS ENCLOSING CORRIDORS:	NON-COMBUSTIBLE
COLUMNS & BEAMS:	NON-COMBUSTIBLE
FLOOR CONSTRUCTION:	NON-COMBUSTIBLE
ROOF CONSTRUCTION:	NON-COMBUSTIBLE
TOTAL OCC. LOAD	2,508

ENERGY CONSERVATION CONSTRUCTION INFORMATION:

(APPLIES TO NEW CONSTRUCTION)
CLIMATE ZONE: 6A

BUILDING ENVELOPE REQUIREMENTS:

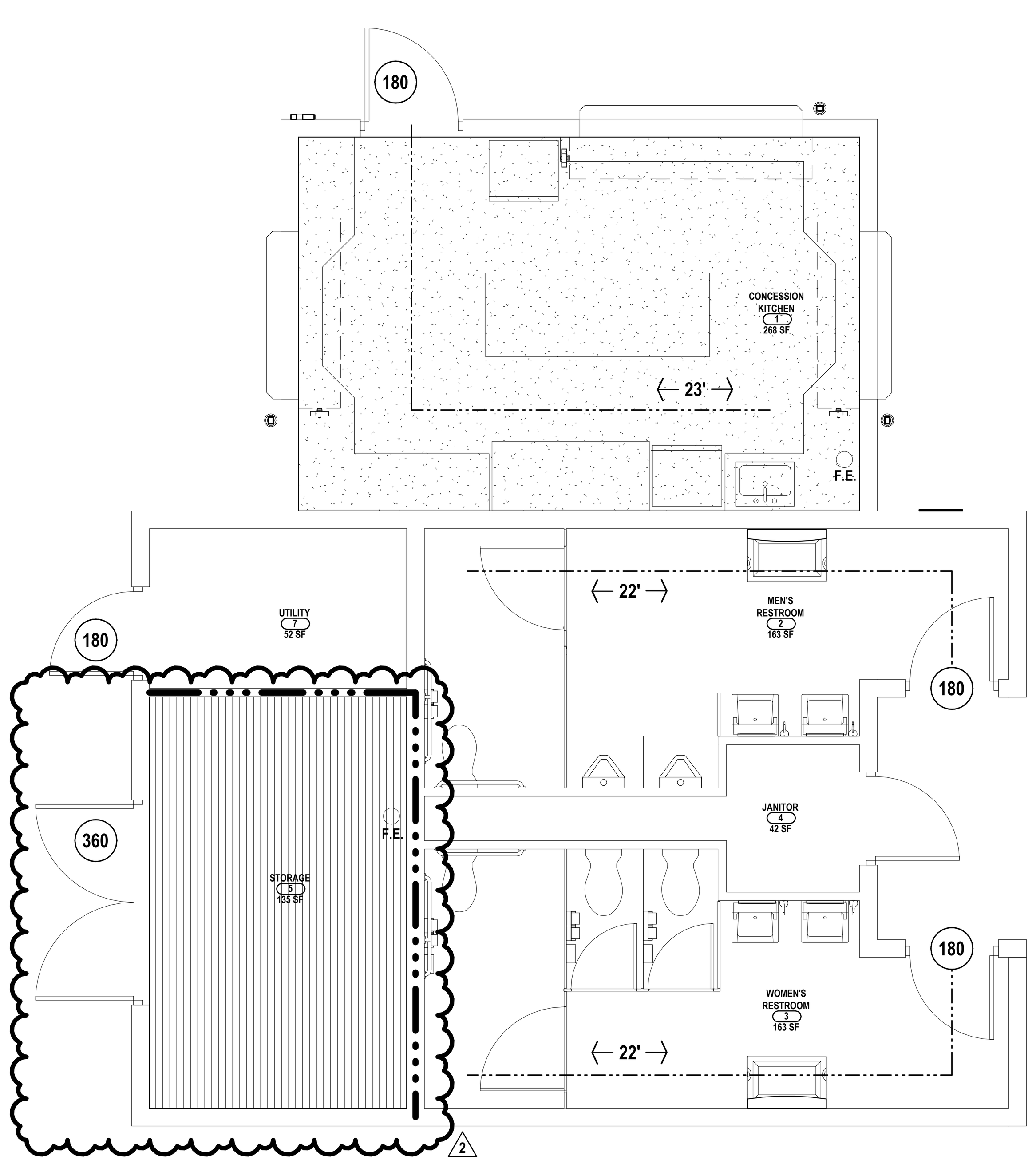
ROOF
BUILDING EXEMPT FROM THE IECC.

FIXTURE NAME	NYSBC #REQUIRED	#PROVIDED
WOMEN'S WATER CLOSETS	1	3
MEN'S WATER CLOSETS	1	1
URINALS		2
MIXED-USE WATER CLOSETS		
FACULTY WATER CLOSETS		
TOTAL WATER CLOSETS/ URINALS	2	6
WOMEN'S LAVATORIES	1	2
MEN'S LAVATORIES	1	2
MIXED-USE LAVATORIES		
FACULTY LAVATORIES		
TOTAL LAVATORIES	2	4

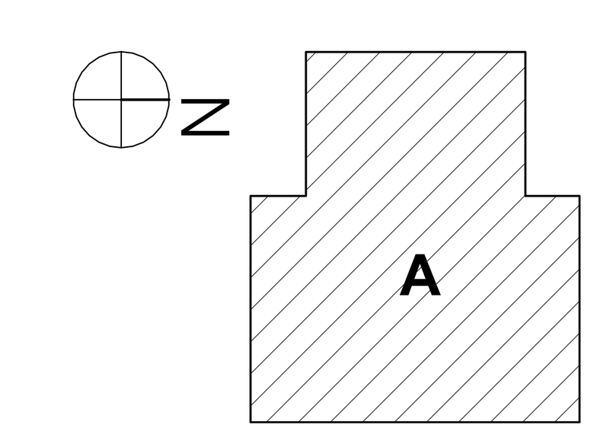
GENERAL CODE COMPLIANCE NOTES:

A NEW FIRE RATED WALL ASSEMBLIES TO BE SEALED WITH APPROVED U.L. FIRE RATED SYSTEMS AT ALL DECK TERMINATIONS.

B ALL PENETRATIONS THROUGH FIRE RATED WALL ASSEMBLIES TO BE SEALED WITH APPROVED U.L. FIRE RATED SYSTEM.



1 FIRST FLOOR CODE COMPLIANCE PLAN
1/4" = 1'-0"



DRAWN BY:	TSK
CHECKED BY:	JZ
DATE:	12/18/2025
PHASE:	CD

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#	DATE:	DESCRIPTION OF REVISION:
1	02/09/2026	ISSUED FOR BID
2	2/19/2026	ADDENDUM #1

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

Main Building - SED# 57-23-01-04-0-001-034, Toilet Room Facility - SED# 57-23-01-04-7-012-001, Dugout with storage - SED# 57-23-01-04-2-005-001, Auxiliary Building - SED# 57-23-01-04-0-002-012; Agricultural Building - SED# 57-23-01-04-0-008-012

CODE COMPLIANCE PLANS
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1 ACADEMY STREET, PRATTSBURGH NY

TR-CO1.1

PROJECT NO: 2716-043