DESIGN COLLABORATIVE

People-first places.

Glen Oaks Community College
Renovations to B and D Halls | 20220049
5/31/2024

ADDENDUM NO. 1

This addendum is issued as a supplement to the plans and specifications and shall be considered an integral part of the

Item: **1.01**
Location: General
Description: Pre-Bid Meeting Minutes and Sign-in sheet are attached to this addendum. The notes documented in the minutes shall be considered part of the contract documents.

Item: **1.02**
Location: General
Description: Omit all references to the "Buy America" requirements. This is not a requirement for this project.

Item: **1.03**
Location: General
Description: Omit all references to "Liquidated Damages." Liquidated damage penalties will not be incorporated into this project.

Item: **1.04**
Location: General
Description: Glen Oaks Community College will be responsible for all asbestos abatement. The college has already begun abatement of floor tile throughout Lobby B125 and ceilings in Locker Room B129 and B133.

Item: **1.05**
Location: General, Mechanical
Description: The mechanical contractor shall conduct a thorough equipment inspection on the existing mechanical systems including air handlers and exhaust fans prior to proceeding with demolition activities. A written report shall be created and reviewed with the owner identifying major deficiencies and repairs that are recommended. Repairs and additional scope and associated costs, if agreed to by Glen Oaks, will be added to the contract.

Item: **1.06**
Location: Specifications, Section 07 27 26
Description: Specifications updated to include NaturaSeal as an approved manufacturer.

Item: **1.07**
Location: Specifications, Section 08 71 00
Description: Please see attached Door Hardware specification to be used in this project.

Item: **1.08**
Location: Specifications, Section 08 88 13
Description: Updated Fire Rated Glazing Specifications to include Glass types to align with A7.1 glass types. Added Glass Type 9 to specifications.

Item: **1.09**
Location: Drawings, G0.1
Description: Updated cover sheet to show sheets affected by addendum drawing items.

Item: **1.10**
Location: Drawings, AD1.1d
Description: Removed empty keynote D 202 from demolition plans in Nora Hagen Theater Room 235. Keynote replaced with Keynote D 101.

Item: **1.11**
Location: Drawings, AD1.1d
Description: Remove existing stage curtains and lighting in their entirety in the Nora Hagen Theater Room D235. Where walls still exposed to

Item: **1.12**
Location: Drawings, A3.1
Description: Toilet Accessory schedule updated. Electric Hand Dryer basis of design has been updated to College standards. Owner will provide electric hand dryer, contractor to install.

Item: **1.13**
Location: Drawings, A1.2b, A7.1, A11.2b
Description: Added new closet IT Room C338 in AD Suite C337. See door schedule for door size, and door hardware specification for required door hardware. See finish plan finishes of room C338.

Item: **1.14**
Location: Drawings, A1.2b, A7.1
Description: Frame elevation HM-1 for windows in AD Office have changed naming to be HM-3 to avoid conflict with door frame elevation nomenclature. No changes to window.

Item: **1.15**
Location: Drawings, A7.1
Description: Openings ST-1 and ST-2 should be Hollow Metal Frame and Door. Opening still needs to be 60 minute rating. See updated A7.1 for information.

Item: **1.16**
Location: Drawings, A7.1
Description: Updated Fire Rated Glass Type numbers to align with what is called out on elevations.

Each contractor is responsible for incorporating all changes into their bid.

Respectfully submitted,

Jeremiah M. Hatfield, RA, LEED BD+C, Senior Architect
Design Collaborative, Inc.

DESIGN COLLABORATIVE

People-first places.

Glen Oaks Community College
Renovations to B&D Halls
Pre-Bid Meeting
May 30, 2024

Meeting Minutes:

1. **Introductions/Contact Information**
   a. Refer to the attached sign-in sheet for meeting attendees.
   b. Refer to the project cover sheet for design team members
2. **Project Scope:** The renovations to B&D Halls include new exterior cladding consisting of masonry wainscot, metal studs, insulated metal panels, and new glazing systems. Interior renovations range from a complete reconstruction with new layout of the athletic locker spaces to minor finish upgrades. Scope of work included minor excavations, masonry, concrete, metal stud framing, roofing, glazing systems, doors and openings, mechanical systems, electrical systems, plumbing, equipment replacement, ceilings, and finish trades. Minor modifications to the fire alarm and partial fire sprinkler system are required.
3. **Site Visit:** Site visits can be arranged with Larry Diekman – 269-223-0263.
4. **Bids Due:** Bids will be received electronically up to 9 am on ~~June 13th,~~ **June 18th**, 2024. Bids shall be received at the office of the President at Glen Oaks Community College. All work for construction of the project will be under a single prime contract with the Owner, based on bids received. It is expected final GC selection to be approved by the Board of Trustees on June 20th with final contracts completed by June 28th.
5. **Specifications:** Please review the specifications in their entirety. Of special note will be Supplementary Instructions to Bidders and other Division 0 sections as they relate to project and USDA specific requirements.
6. **Staging:** The exact staging areas can be negotiated, initially it has been identified as the area adjacent to the gymnasium.
7. **Alternates:**

   - Alternate 1: Weight Room Infill
   - Alternate 2A: Auditorium Ceiling A
   - Alternate 2B: Auditorium Ceiling B
   - Alternate 3: Auditorium Walls
   - Alternate 4: Auditorium Interior Doors
   - Alternate 5: Gymnasium Walls
   - Alternate 6: Reroofing
   - Alternate 7: AD Office Windows

8. **Allowances:**
   a. Owner's Contingency allowance to be INCLUDED in the Base Bid per section 01 21 00: $240,000.

9. **Addenda:** Addenda will be distributed via Eastern Engineering (online planroom).
10. **Performance Bond and Payment Bond:** A Performance Bond and Payment Bond are required, refer to specification sections.
11. **Questions:**

Q1 What is the project schedule?

A – A notice to proceed is anticipated at the approval of the project by the Board of Trustees June 20th. Final Contracts are anticipated to be completed June 28.

Q2 What is the liquidated damages amount per calendar day?

A – If liquidated damages are required by the USDA, the sum amount per calendar day will be provided in Addendum 1. If liquidated damages are not required, all references will be eliminated. A clarification will be provided in Addendum 1.

Q3 Is there a prevailing wage or a Davis Bacon wage requirement?

A – No.

Q4 Will an estimated construction budget be shared?

A – No

Q5 Can you provide information on the missing hardware for B134D, B143E, B145A, C332, C334, C335, & C336?

A – Door hardware will be amended to include these missing openings.

Q6 Are openings ST-1 and ST-2 aluminum or hollow metal?

A – Clarification will be provided in Addendum 1.

GOCC South Side Renovation Pre-Bid Meeting

May 30, 2024

Name	Company	Email
RYAN COLLINS	FREDERICK CONST.	RYAN.COLLINS@FREDERICKCONSTRUCTION.COM
Jonathan Shetler	Shetler Const	shetlerconst@ibyfax.com
MIKE HORVATH	LAKESHORE CONST.	C.MIKEHORVATH@G.MAIL.COM
Brian Hollowell	Schrock Commercial	brianh@schrockcommercial.com
Dean Sprunger	Schrock Commercial	
Jordan Gerald	Miller-Davis Company	jgerald@miller-davis.com
TONY ROWDON	MCDONALD ROOFING	TONYR@MCDONALDROOFING.BIZ
Keith Baird	Hi-Tech Electric	KBaird@hi-techelectric.net
Josh Reibs	Hamilton Hunter Builders	jreibs@hamiltonhunterbuilders.com
Matt Birkam	Arch. Glass & Metals	MbirkamWagm-michigan.com
Will McIntosh	Musco Sports Lighting	will.mcintosh@musco.com
Joel Barker	Shawnee Construction	JBarker@Shawneeconstruction.com
Cory Harmsen	Cornerstone Const. Mgmt	gordon@cornerstonecm.com
DAVE SAVAGE	CT Electric	DSAVAGE@CTELEC.COM
Justin Holmes	Control Resource	jholmes@hurstind.com
Ron Kreider	Hurst Mech.	rkreider@hurstind.com

SECTION 07 27 26 - FLUID-APPLIED MEMBRANE AIR & VAPOR BARRIERS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes fluid-applied, **vapor-retarding** membrane air barriers.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For air-barrier assemblies.

1. Include details for substrate joints and cracks, counterflashing strips, penetrations, inside and outside corners, terminations, and tie-ins with adjoining construction.

1.3 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

B. Mockups: Build mockups to set quality standards for materials and execution.

1. Build integrated mockups of exterior wall assembly as shown on Drawings, incorporating backup wall construction, external cladding, window, storefront, door frame and sill, insulation, ties and other penetrations, and flashing to demonstrate surface preparation, crack and joint treatment, application of air barriers, and sealing of gaps, terminations, and penetrations of air-barrier assembly.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. General: Air barrier shall be capable of performing as a continuous vapor-retarding air barrier. Air-barrier assemblies shall be capable of accommodating substrate movement and of sealing substrate expansion and control joints, construction material changes, penetrations, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.

2.2 VAPOR-RETARDING MEMBRANE AIR BARRIER

A. Fluid-Applied, Air/Vapor Barrier: synthetic polymer membrane.

1. Products: Subject to compliance with requirements, provide one of the following:

    a. Elastomeric, Modified Bituminous Membrane:

        1) Carlisle Coatings & Waterproofing Inc.; Barriseal R or Barriseal S.
        2) Henry Company; Air-Bloc 06.
        3) Meadows, W. R., Inc.; Air-Shield LM.
        4) Tremco Incorporated, an RPM company; ExoAir 120SP/R.
        5) NaturaSeal, NS-A250

    b. Synthetic Polymer Membrane:

        1) Grace, W. R., & Co. - Conn.; Perm-A-Barrier Liquid.
        2) Henry Company; Air-Bloc 32MR.

2. Physical and Performance Properties:

    a. Air Permeance: Maximum 0.006 pressure difference; ASTM E 2178.
    b. Vapor Permeance: Maximum 0.1 perm; ASTM E 96/E 96M.
    c. Ultimate Elongation: Minimum 500 percent; ASTM D 412, Die C.
    d. Application: Cold weather application (below 20 degrees) may be required.

2.3 ACCESSORY MATERIALS

A. General: Accessory materials recommended by air-barrier manufacturer to produce a complete air-barrier assembly and compatible with primary air-barrier material.

B. Sprayed Polyurethane Foam Sealant: One- or two-component, foamed-in-place, polyurethane foam sealant, 1.5- to 2.0-lb/cu. ft density; flame-spread index of 25 or less according to ASTM E 162; with primer and noncorrosive substrate cleaner recommended by foam sealant manufacturer.

C. Termination Mastic: Air-barrier manufacturer's standard cold fluid-applied elastomeric liquid; trowel grade.

PART 3 - EXECUTION

3.1 SURFACE PREPARATION

A. Mask off adjoining surfaces not covered by air barrier to prevent spillage and overspray affecting other construction.

B. Remove fins, ridges, mortar, and other projections and fill honeycomb, aggregate pockets, holes, and other voids in concrete with substrate-patching membrane.

C. Remove excess mortar from masonry ties, shelf angles, and other obstructions.

D. At changes in substrate plane, apply sealant or termination mastic beads at sharp corners and edges to form a smooth transition from one plane to another.

3.2 INSTALLATION

A. General: Install fluid-applied membrane air-barrier and accessory materials according to air-barrier manufacturer's written instructions to form a seal with adjacent construction and maintain a continuous air barrier.

1. Coordinate the installation of air barrier with installation of roofing membrane and base flashing to ensure continuity of air barrier with roofing membrane.
2. Install air-barrier assembly on roofing membrane or base flashing so that a minimum of 3 inches of coverage is achieved over each substrate.

B. Apply primer to substrates at required rate and allow it to dry. Limit priming to areas that will be covered by fluid air-barrier material on same day. Reprime areas exposed for more than 24 hours.

1. Prime glass-fiber-surfaced gypsum sheathing with number of prime coats needed to achieve required bond, with adequate drying time between coats.

C. Connect and seal exterior wall air-barrier material continuously to roofing-membrane air barrier, concrete below-grade structures, floor-to-floor construction, exterior glazing and window systems, glazed curtain-wall systems, storefront systems, exterior louvers, exterior door framing, and other construction used in exterior wall openings, using accessory materials.

D. At end of each working day, seal top edge of air barrier to substrate with termination mastic.

E. Wall Openings: Prime concealed, perimeter frame surfaces of windows, curtain walls, storefronts, and doors. Apply transitions and flashing so that a minimum of 3 inches of coverage is achieved over each substrate. Maintain 3 inches of full contact over firm bearing to perimeter frames with not less than 1 inch of full contact.

F. Fill gaps in perimeter frame surfaces of windows, curtain walls, storefronts, and doors, and miscellaneous penetrations of air-barrier material with foam sealant.

G. Seal air-barrier assembly around masonry reinforcing or ties and penetrations with termination mastic.

H. Seal top of through-wall flashings to air barrier.

I. Seal exposed edges of strips at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.

J. Repair punctures, voids, and deficient lapped seams. Slit and flatten fishmouths and blisters. Extend patches 6 inches beyond repaired areas.

K. Fluid-Applied Membrane Material: Apply a continuous unbroken air-barrier membrane to substrates according to the following thickness. Apply air-barrier membrane in full contact around protrusions such as masonry ties.

1. Vapor-Retarding Membrane Air Barrier: Total dry film thickness as recommended in writing by manufacturer to meet performance requirements, but not less than 40-mil dry film thickness, applied in one coat.

L. Correct deficiencies in or remove air barrier that does not comply with requirements; repair substrates and reapply air-barrier components.

3.3 FIELD QUALITY CONTROL

A. Protect air-barrier system from damage during application and remainder of construction period, according to manufacturer's written instructions.

1. Protect air barrier from exposure to UV light and harmful weather exposure as required by manufacturer. If exposed to these conditions for more than 60 days, remove and replace air barrier or install additional, full-thickness, air-barrier application after repairing and preparing the overexposed membrane according to air-barrier manufacturer's written instructions.
2. Protect air barrier from contact with incompatible materials and sealants not approved by air-barrier manufacturer.

B. Remove masking materials after installation.

END OF SECTION

Glen Oaks Community College
Centreville, MI

SECTION 08710 - DOOR HARDWARE

PART 1- GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.

B. This section includes the following:

1. Hinges.
2. Lock cylinders and keys.
3. Lock and latch sets.
4. Bolts.
5. Push/pull units.
6. Closers.
7. Overhead stops
8. Kick plates.
9. Smoke Seals

C. Related Sections: The following Sections contain requirements that relate to this Section:

1. Division 6 Section “Interior Architectural Woodwork” for cabinet hardware.
2. Division 8 Section “Standard Steel Doors and Frames” for silencers integral with hollow metal frames.
3. Division 8 Section “Flush Wood Doors” for factory prefitting and factory premachining of doors for door hardware.

1.3 SUBMITTALS

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.

B. Product data including manufacturer’s 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.

C. Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into “hardware sets” indicating complete designations of every item required for each door or opening. Include the following information:

a. Type, style, function, size, and finis of each hardware item.
b. Name and manufacturer of each item.
c. Fastenings and other pertinent information.
d. Location of each hardware set cross referenced to indications on Drawings both on floor plans and in door and frame schedule.
e. Explanation of all abbreviations, symbols, and codes contained in schedule.
f. Mounting locations for hardware.
g. Door and frame sizes and materials.

h. Keying information.

2. Submittal Sequence: Submit final schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work that is critical in the Project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by door hardware, and other information essential to the coordinated review of schedule

3. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks has been fulfilled.

E. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawing of other work to confirm that adequate provision are made for locating and installing door hardware to comply with indicated requirements.

1.4 QUALITY ASSURANCE

A. Single Source Responsibility: Obtain each type of hardware (latch and lock sets, hinges, closers, etc.) From a single manufacturer

B. Supplier Qualification: A recognized architectural door hardware supplier, with warehousing facilities within 50 miles of the job site that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced architectural hardware consultant who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work, for consultation..

1. Require supplier to meet with Owner to finalize keying requirements and to obtain final instructions in writing.

C. Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and are identical to Protect tested by UL, Warnock Hersey, FM, or other testing and inspecting organization acceptable to authorities having jurisdiction for use on types and sizes of door indicated in compliance with requirements of fire-rated door and door frame labels

1.5 PRODUCT HANDLING

A. Tag each item or package separately with identification related to final hardware schedule, and include basic installation instructions with each item or package.

B. Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set number of approved hardware schedule. Two or more identical sets may be packed in same container.

C. Inventory door hardware jointly with representative of hardware supplier and hardware installer until each is satisfied that count is correct.

D. Deliver individually packaged door hardware items promptly to place of installation (shop or Project site).

E. Provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

1.6 MAINTENANCE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Available Manufacturers: subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include the following: (Manufacturer whose name is prefixed with an asterisk *, indicates the manufacturer whose products are listed in the schedule at the end of this section.) No other manufacturers will be allowed.

1. Butts and Hinges:
   a. *Ives
   b. Hager
   c. Mckinney

2. Lock and Latchsets
   a. *Corbin/Russwin

3.. Wall and Floor Stops and Flush Bolts
   a. *H.B. Ives Co.
   b. Baldwin
   c. Trimco

4. Overhead Closers and Automatic Door Operators
   a. *LCN

5. Kick, Mop, and Armor Plates:
   a. *Ives
   b. Baldwin
   c. Rockwood

6. Exit Devices, Electric Hardware
   a. *Von Duprin

7. Overhead Stops
   a. *Glynn Johnson Corp.

8. Thresholds, Weatherstripping, Gasketing
   a. *National Guard
   b. Pemko

2.2 SCHEDULED HARDWARE

A. Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in the “Hardware Schedule” at the end of this Section. Products are identified by using hardware designation numbers of the following:

1. Manufacturer’s Product Designation: The product designation and name of one manufacturer are listed for each hardware type required for the purpose of establishing minimum requirements. Provide either the product designated or, where more than one manufacturer is specified under the Article “Manufacturers” in Part 2 for each hardware type, the comparable product of one of the other manufacturers that complies with requirements.

2.3 MATERIALS AND FABRICATION

A. Manufacturer's Name Plate: Do not use manufacturers' products that have manufacturer's name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise acceptable to Architect.

1. Manufacturer's identification will be permitted on rim of lock cylinders only.

B. Base Metals: Produce hardware units of basic metal and forming method indicated using manufacturer's standard metal alloy, composition, temper, and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware unit for finish designations indicated.

C. Fastener: provide hardware manufactured to conform to published templated, generally prepared for machine screw installation. Do not provide hardware that has been prepared for self-tapping sheet metal screws, except as specifically indicated.

D. Furnish screws for installation with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including "prepared for paint" surfaces to receive painted finish.

2.4 HINGES, BUTTS, AND PIVOTS

A. Templates: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template-produced units.

B. Screws: Provide Phillips flat-head screws complying with the following requirements:

1. For metal doors and frames install machine screws into drilled and tapped holes.
2. For wood doors and frames install wood screws.
3. For fire-rated wood doors install #12 x 1 1/4-inch (32mm), threaded-to-the-head steel wood screws.
4. Finish screw heads to match surface of hinges or pivots

C. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
1. Out-Swing Exterior Doors: Nonremovable pins.
2. Interior Doors: Nonrising pins.
3. Tips: Flat button and matching plug, finished to match leaves, except where hospital tip (HT) indicated.

D. Number of Hinges: Provide number of hinges indicated but not less than 3 hinges per door leaf for doors 90 inches (2250mm) or less in height and one additional hinge for each 30 inches (750mm) of additional height.

1. Fire-Rated Doors: Not less than 3 hinges per door leaf for doors 86 inches (2150mm) or less in height with same rule for additional hinges.

2.5 LOCK CYLINDERS AND KEYING

A. Provide Corbin/Russwin cylinders, keyed into the existing key system as instructed by the owner. Meet with owner to lay out system. Allow for 3 change keys per lock and 6 masterkeys.

2.6 LOCKS, LATCHES, AND BOLTS

A. Strikes: Provide manufacturer's standard wrought box strike for each latch or lock bolt, with curved lip extended to protect frame, finished to match hardware set, unless otherwise indicated.

1. Provide flat lip strikes for locks with 3-piece, antifriction latch bolts as recommended by manufacturer.

2. Provide extra long strike lips for locks used on frames with applied wood casing trim.
3. Provide recess type top strikes for bolts locking into head frames, unless otherwise indicated.

B. Lock Throw: Provide 5/8-inch (16mm) minimum throw of latch on pairs of doors. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.

1. Provide ½-inch (13mm) minimum throw of latch for other bored and preassembled types of locks and 3/4-inch (19mm) minimum throw of latch for mortise locks. Provide 1-inch (25mm) minimum throw for all dead bolts.

C. Flush Bolt Heads: Minimum of ½-inch (13mm) diameter rods of brass, bronze, or stainless steel with minimum 12-inch (300mm) long rod for doors up to 84 inches (2100mm) in heights. Provide longer rods as necessary for doors exceeding 84 inches (2100mm) in height.

2.7 PUSH/PULL UNITS

A. Exposed Fasteners: Provide manufacturer's standard exposed fasteners for installation, thru-bolted for matched pairs but not for single units.

B. Concealed Fasteners: Provide manufacturer's special concealed fastener system for installation, thru-bolted for matched pairs but not for single units.

2.8 CLOSERS AND DOOR CONTROL DEVICES

A. Size of Units: Except as otherwise specifically indicated, comply with the manufacturer's recommendations for size of door control unit depending on size of door, exposure to weather, and anticipated frequency of use.

1. Where parallel arms are indicated for closers, provide closer unit one size larger than recommended for use with standard arms.
2. Provide parallel arms for all overhead closers, except as otherwise indicated.

B. Access-Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units complying with ANSI A117.1 provisions for door opening force and delayed action closing.

C. Combination Door Closers and Holders: Provide units designed to hold door in open position under normal usage and to release and close door automatically under fire conditions. Incorporate an integral electromagnetic holder mechanism designed for use with UL listed fire detectors, provided with normally closed switching contacts.

2.9 DOOR TRIM UNITS

A. Fasteners: Provide manufacturer's standard exposed fasteners for door trim units consisting of either machine screws or self-tapping screws.

B. Fabricate edge trim of stainless steel to fit door thickness in standard lengths or to match height of protection plates.

C. Fabricate protection plates not more than 2 inches less than door width on the push side by the height indicated.

1. Metal Plates: Satin Stainless Steel, .050 inch (U.S. 16 gage) (1.6mm).

2.10HARDWARE FINISHES

A. Match items to the manufacturer's standard color and texture finish for the latch and lock sets (for push-pull units if no latch or lock sets).

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.

C. The designations used in schedules and elsewhere to indicate hardware finishes are the industry recognized standard commercial finishes, except as otherwise noted.

1. Rust-Resistant Finish: For iron and steel base metal required for exterior work and in areas shown as "High Humidity" areas (and also when designed with the suffix-RR), provide 0.2ml (0.005mm) thick copper coating on base metal before applying brass, bronze, nickel, or chromium plated finishes.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Mount hardware units at heights indicated in following applicable publication, except as specifically indicated or required to comply with governing regulation and except as otherwise directed by Architect.

1. "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.

B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in the Division 9 Section. Do not install surface mounted items until finishes have been completed on the substrates involved.

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

D. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.

E. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements specified in Division 7 Section "Joint Sealers."

F. Weatherstripping and Seals: Comply with manufacturer's instructions and recommendations to the extent installation requirements are not otherwise indicated.

3.2 ADJUSTING, CLEANING, AND DEMONSTRATING

A. Adjust and check each operating item of hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.

B. Clean adjacent surfaces soiled by hardware installation.

C. Instruct Owner's personnel in proper adjustment and maintenance of door hardware and hardware finishes.

3.3 ELECTRONIC DOOR HARDWARE – Responsibility

A. Hardware supplier is responsible to provide/install all low voltage wiring for all electronic door hardware provided in this section, including electronic exit devices, power supplies, power transfers, electric strikes, electric locks, door position switches, automatic door operators, operator actuators, and other electronic door hardware specified and provided as part of this specification section. Hardware supplier is also required to install automatic door operators and actuators with factory trained installers and return at completion of project to make final adjustments and instruct owner in use/adjustment of equipment.

B. Installers are required to be factory trained/certified by manufacturers of electronic door hardware.

C. Electrical Contractor is responsible to Provide and Install 120Vpower to all power supplies, automatic operator headers, and other locations required, noted herein, and/or shown on the electrical drawings. Electrical Contractor is also responsible to provide and install all conduit and/or wire chases for low voltage wiring and all required electrical boxes and junction boxes.

D. Hardware Supplier is to meet with Electrical Contractor early during the construction period to instruct E.C. in requirements for power and for low voltage conduit/chases. Hardware supplier and E.C. are to communicate continually during construction as necessary to coordinate power with low voltage (hardware) requirements.

E. Access Control System (Card Readers) will be furnished, installed, wired, and programmed by others.

3.4 HARDWARE SCHEDULE

A. General: Provide hardware for each door to comply with requirements of Section “Door Hardware,” hardware set numbers indicated in door schedule, and in the following schedule of hardware sets.

Hardware Sets

SET #001

Doors: B124A

1	Continuous Hinge	112HD 83" EPT	628	IV
1	Exit Device	SD-QEL 99NL-OP x 110MD-NL	US26D	VO
2	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
1	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Offset Door Pull	BF158	US32D	RO
1	Automatic Operator	9542 REGARM HDR2	AL	LC
1	Overhead Stop	104S	US32D	GL
2	Actuator	59HSS		MSED
1	Time Delay	TDM		MSED
1	Keyswitch	653-14	SF626	LO
1	Power Supply	PS902 900-4RL		VO
1	Electric Power Transfer	EPT 10	SP28	VO
1	Door Sweep	D698A 36"		NA
1	Threshold	896 V 36"	AL	NA

NOTE: Card Reader by Others. Perimeter seals by door supplier. Operation: Egress side by exit device or wall actuator at all times. Ingress by key or card reader or by wall actuator unless disabled by keyswitch.

SET #002

Doors: B124B

2	Continuous Hinge	112HD 83"	628	IV
1	Steel Mullion	KR4954 7'6"	SP28	VO
2	Exit Device	CD 99EO	US26D	VO
3	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
2	Offset Door Pull	BF158	US32D	RO
2	Closer	4040XP RWPA	AL	LC
2	Adapter Plate	4040XP-18PA	AL	LC
2	Overhead Stop	104S	US32D	GL
2	Door Sweep	D698A 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Perimeter seals by door supplier.

SET #003

Doors: B124C, B134D, B134E, C332, C333

1	Continuous Hinge	112HD 83"	628	IV
1	Push/Pull Bar	BF15847 32"	US32D	RO
1	Automatic Operator	9542 REGARM HDR2	AL	LC
1	Overhead Stop	104S	US32D	GL
2	Narrow Stile Actuator	59J-HSS	630	MSED

SET #004

Doors: B124D

2	Continuous Hinge	112HD 83"	628	IV
2	Push/Pull Bar	BF15847 32"	US32D	RO
2	Closer	4040XP RWPA	AL	LC
2	Adapter Plate	4040XP-18PA	AL	LC
2	Overhead Stop	104S	US32D	GL

SET #005

Doors: B126

1	Continuous Hinge	112HD 83" EPT	628	IV
1	Exit Device	SD-QEL 99NL-OP x 110MD-NL 48"	US26D	VO
2	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
1	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Offset Door Pull	BF158	US32D	RO
1	Automatic Operator	9542 REGARM HDR	AL	LC
1	Overhead Stop	106S	US32D	GL
2	Actuator	59HSS		MSED
1	Time Delay	TDM		MSED
1	Keyswitch	653-14	SF626	LO
1	Electric Power Transfer	EPT 10	SP28	VO
1	Power Supply	PS902 900-2RS		VO
1	Gasketing	160 V 1 x 48" 2 x 86"		NA
1	Drip Cap	16 A 52"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

NOTE: Card Reader by Others. Perimeter seals by door supplier. Operation: Egress side by exit device or wall actuator at all times. Ingress by key or card reader or by wall actuator unless disabled by keyswitch.

SET #006

Doors: B129, B130, B131, B133

3	Hinges	5BB1 HW 4 1/2 x 4 1/2	652	IV
1	Deadlock	DL3217 B234 N16	626	CR
		NOTE: Locate 48" C/L AFF		
1	Push/ Pull Latch	HL6-2 A	626	SC
1	Closer	4040XP RWPA	AL	LC
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 B-20 20'		NA

SET #007

Doors: B129B, B130B

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3355 NZD N16 SA	626	CR
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV

SET #008

Doors: B132, B145A

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3355 NZD N16 SA	626	CR
1	Closer	4040XP RWPA	AL	LC
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 B-20 20'		NA

SET #009

Doors: B134

1	Continuous Hinge	112HD 95"	628	IV
		NOTE: confirm length		
1	Lockset	CL3357 NZD N16 SA	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Drip Cap	16 A 52"		NA
1	Gasketing	160 V 1 x 48" 2 x 96"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

SET #010

Doors: B134C

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3352 NZD N16 SA	626	CR
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV

SET #011

Doors: B136, C336

3	Hinges	5BB1 5 x 4 1/2	652	IV
1	Lockset	CL3352 NZD N16 SA	626	CR
1	Closer	4040XP REGARM TBWMS	AL	LC
1	Protection Plate	8400 34" x 40" 8402 (UL)	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV

SET #012

Doors: B137

3	Hinges	5BB1 5 x 4 1/2	652	IV
1	Lockset	CL3355 NZD N16 SA	626	CR
1	Protection Plate	8400 8" x 40" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV

SET #013

Doors: B138

3	Hinges	5BB1 5 x 4 1/2	652	IV
1	Lockset	CL3352 NZD N16 SA	626	CR
1	Protection Plate	8400 34" x 40" 8402 (UL)	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV

SET #014

Doors: B140

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3357 NZD N16 SA	626	CR
1	Closer	4040XP RWPA	AL	LC
		NOTE: adjust to swing 180 deg.		
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 B-20 20'		NA

SET #015

Doors: B141, B139

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3352 NZD N16 SA	626	CR
1	Closer	4040XP REGARM TBWMS	AL	LC
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Wall Stop	WS406/407CCV	US32D	IV
1	Gasketing	2525 B-20 20'		NA

SET #016

Doors: B143A, B143C

1	Continuous Hinge	112HD 95"	628	IV
		NOTE: confirm hinge length		
1	Exit Device	99EO 48"	US26D	VO
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Drip Cap	16 A 52"		NA
1	Gasketing	160 V 1 x 48" 2 x 96"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

SET #017

Doors: B143B, B143D

1	Continuous Hinge	112HD 95" EPT	628	IV
		NOTE: confirm hinge length.		
1	Exit Device	QEL 99NL x 990NL-R&V 48"	US26D	VO
1	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Electric Power Transfer	EPT 10	SP28	VO
1	Power Supply	PS902 900-2RS		VO
1	Drip Cap	16 A 52"		NA
1	Gasketing	160 V 1 x 48" 2 x 96"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

NOTE: Card Reader by Others.

SET #018

Doors: B144

2	Continuous Hinge	112HD 95"	628	IV
		NOTE: confirm hinge length.		
1	Flush Bolt	FB458 12"	US26D	IV
1	Flush Bolt	FB458 24"	US26D	IV
1	Lockset	CL3357 NZD N16 SA	626	CR
		NOTE: RHR Active Leaf		
1	Closer	4040XP RW62A	AL	LC
		NOTE: RHR Active Leaf		
2	Overhead Holder	906H	US32D	GL
1	Gasketing	160 V 1 x 96" 2 x 96"		NA
1	Drip Cap	16 A 100"		NA
2	Door Sweep	D698A 48"		NA
1	Panic Threshold	884 V 96"	AL	NA

SET #019

Doors: ST-1, ST-2

3	Hinges	5BB1 HW 5 x 4 1/2	652	IV
1	Exit Device	99L-F x 996L-R&V 48"	US26D	VO
1	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	905S	US32D	GL
1	Protection Plate	8400 8" x 40" B-CS	US32D	IV
1	Gasketing	2525 B-20 20'		NA

SET #020

Doors: D235A

1	Continuous Hinge	112HD 95"	628	IV
		NOTE: confirm hinge length		
1	Exit Device	CD 99NL x 990NL-R&V 48"	US26D	VO
1	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
1	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Drip Cap	16 A 52"		NA
1	Gasketing	160 V 1 x 48" 2 x 96"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

SET #021

Doors: D235C

6	Hinges	5BB1 HW 4 1/2 x 4 1/2	652	IV
1	Steel Mullion	KR9954 7'5"	SP28	VO
2	Exit Device	99L-F-2 x 996L-R&V	US26D	VO
1	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
4	Rim Cylinder	CR3000-200-6 N16	626	CR
2	Closer	4040XP RWPA	AL	LC
2	Overhead Stop	104S	US32D	GL
2	Protection Plate	8400 8" x 34" B-CS	US32D	IV
2	Gasketing	2525 B-20 20'		NA

SET #022

Doors: D233A

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3351 NZD N16 SA	626	CR
1	Wall Stop	WS406/407CCV	US32D	IV

SET #023

Doors: D234A

1	Continuous Hinge	112HD 83"	628	IV
1	Lockset	CL3357 NZD N16 SA	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Gasketing	160 V 1 x 36" 2 x 86"		NA
1	Drip Cap	16 A 40"		NA
1	Door Sweep	D698A 36"		NA
1	Threshold	896 V 36"	AL	NA

SET #024

Doors: D234B

1	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR

NOTE: Confirm cylinder requirements with door supplier.

SET #025

Doors: C323

2	Continuous Hinge	112HD 83"	628	IV
1	Exit Device	CD 9947NL-OP x 110MD-NL	US26D	VO
1	Exit Device	CD 9947EO	US26D	VO
2	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
1	Rim Cylinder	CR3000-200-6 N16	626	CR
2	Offset Door Pull	BF158	US32D	RO
2	Closer	4040XP RWPA	AL	LC
2	Adapter Plate	4040XP-18PA	AL	LC
2	Overhead Stop	104S	US32D	GL
1	Drip Cap	16 A 76"		NA
2	Door Sweep	D698A 36"		NA
1	Threshold	896 V 72"	AL	NA

NOTE: Perimeter seals by door supplier.

SET #026

Doors: C331

1	Continuous Hinge	112HD 95"	628	IV
1	Exit Device	99NL x 990NL-R&V 48"	US26D	VO
1	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Drip Cap	16 A 52"		NA
1	Gasketing	160 V 1 x 48" 2 x 96"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

SET #027

Doors: D409

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Exit Device	99L-2 x 996L-R&V	US26D	VO
2	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV

SET #028

Doors: D412

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Lockset	CL3352 NZD N16 SA	626	CR
1	Overhead Stop	104S	US32D	GL
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV

SET #029

Doors: D403

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Exit Device	99L-F-2 x 996L-R&V	US26D	VO
2	Rim Cylinder	CR3000-200-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Protection Plate	8400 8" x 34" B-CS	US32D	IV
1	Gasketing	2525 B-20 20'		NA

SET #030

Doors: D235B

1	Continuous Hinge	112HD 95"	628	IV
		NOTE: confirm hinge length		
1	Exit Device	CD 99DT x 990DT 48"	US26D	VO
1	Mortise Cylinder	CR1000-114-A01-6 N16	626	CR
1	Closer	4040XP RW62A	AL	LC
1	Overhead Stop	904S	US32D	GL
1	Drip Cap	16 A 52"		NA
1	Gasketing	160 V 1 x 48" 2 x 96"		NA
1	Door Sweep	D698A 48"		NA
1	Threshold	896 V 48"	AL	NA

SET #031

Doors: C334, C335, C338

3	Hinges	5BB1 4 1/2 x 4 1/2	652	IV
1	Cylindrical Lockset	CL3357 NZD N16 SA	626	CR
1	Wall Stop	WS406/407CCV	US32D	IV

Opening List

Opening	Hdw Set	Opening Label	Door Type	Frame Type
B126	005			
B129	006			
B130	006			
B131	006			
B132	008			
B133	006			
B134	009			
B134D	003			
B134E	003			
B136	011			
B137	012			
B138	013			
B140	014			
B141	015			
B144	018			
B145A	008			
C323	025			
C331	026			
D403	029			
D409	027			
D412	028			
ST-1	019			
ST-2	019			
B124A	001			
B124B	002			
B124C	003			
B124D	004			
B129B	007			
B130B	007			
B134C	010			
B143A	016			
B143B	017			
B143C	016			
B143D	017			
C332	003			
C333	003			
C334	031			
C335	031			
C336	011			
C338	031			
D233A	022			
D234A	023			
D234B	024			
D235A	020			
D235B	030			
D235C	021			

SECTION 08 88 13 - FIRE-RESISTANT GLAZING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Fire-protection-rated glazing (Door Vision Glass).
2. Fire-resistance-rated glazing (Corridor Glazing including borrowed lites and sidelites).

1.2 COORDINATION

A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Glass Samples: For each type of glass product; 12 inches square.

C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.

1.4 WARRANTY

A. Manufacturer's Special Warranty on Laminated Glass: Manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 GLASS PRODUCTS, GENERAL

A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organization below unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.

1. GANA Publications: "Glazing Manual."

B. Safety Glazing Labeling: Permanently mark glazing with certification label of the Safety Glazing Certification Council. Label shall indicate manufacturer's name, type of glass, glass thickness, and safety glazing standard with which glass complies.

2.2 GLASS PRODUCTS

A. Float Glass: ASTM C 1036, Type I, Quality-Q3, Class I (clear) unless otherwise indicated.

B. Tempered Float Glass: ASTM C 1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class I (clear) unless otherwise indicated, Quality-Q3.

C. Laminated Glass: ASTM C 1172. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.

2.3 FIRE-PROTECTION-RATED GLAZING (Door Vision Glass)

A. Fire-Protection-Rated Glazing: Listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on positive-pressure testing according to NFPA 257 or UL 9, including the hose-stream test, and shall comply with NFPA 80.

1. Fire-protection-rated glazing required to have a fire-protection rating of 20 minutes shall be exempt from the hose-stream test.

B. Fire-Protection-Rated Glazing Labeling: Permanently mark fire-protection-rated glazing with certification label of a testing agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name; test standard; whether glazing is permitted to be used in doors or openings; if permitted in openings, whether or not glazing has passed the hose-stream test; whether or not glazing meets 450 deg F temperature-rise limitation; and the fire-resistance rating in minutes.

C. Fire-Protection-Rated Tempered Glass: 6-mm thickness, fire-protection-rated tempered glass; and complying with 16 CFR 1201, Category II.

1. Products: Subject to compliance with requirements, provide one of the following:

a. Pilkington North America; FireLite
b. Safti First Fire Rated Glazing Solutions; SuperLite I.
c. Technical Glass Products; Fireglass20.
d. Vetrotech Saint-Gobain; SSG Pyroswiss US.

2.4 FIRE-RESISTANCE-RATED GLAZING (Corridor Glazing including borrowed lites and sidelites).

A. Fire-Resistance-Rated Glazing: Listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire-resistance ratings indicated, based on testing according to ASTM E 119 or UL 263.

B. Fire-Resistance-Rated Glazing Labeling: Permanently mark fire-resistance-rated glazing with certification label of a testing agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, test standard, that the glazing is approved for use in walls, and the fire-resistance rating in minutes.

C. Laminated Glass with Intumescent Interlayers: Laminated glass made from multiple plies of uncoated, ultraclear float glass; with intumescent interlayers; and complying with 16 CFR 1201, Category II.

1. Products: Subject to compliance with requirements, provide one of the following:

a. Pilkington North America; Pyrostop.
b. Safti First Fire Rated Glazing Solutions; SuperLite II-XL
c. Technical Glass Products; Pyrostop.
d. Vetrotech Saint-Gobain; Contraflam.

2.5 GLAZING ACCESSORIES

A. Provide glazing gaskets, glazing sealants, glazing tapes, setting blocks, spacers, edge blocks, and other glazing accessories that are compatible with glazing products and each other and are approved by testing agencies that listed and labeled fire-resistant glazing products with which products are used for applications and fire-protection ratings indicated.

B. Glazing Sealants for Fire-Rated Glazing Products: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 50, Use NT. Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated.

1. Products: Subject to compliance with requirements, provide one of the following:

a. Dow Corning Corporation; 795.
b. GE Construction Sealants; Momentive Performance Materials Inc; SilGlaze II SCS2800.
c. Tremco Incorporated; Spectrem 2.

2. Sealants shall have a VOC content of 250 g/L or less.
3. Sealants shall comply with the testing and product requirements of the California Department of Public Health's (formerly, the California Department of Health Services') "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Small-Scale Environmental Chambers."
4. Colors of Exposed Glazing Sealants: As indicated by manufacturer's designations.

PART 3 - EXECUTION

3.1 GLAZING

A. Use methods approved by testing agencies that listed and labeled fire-resistant glazing products.

B. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials unless more stringent requirements are indicated, including those in referenced glazing publications.

C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.

E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

G. Provide spacers for glass lites where length plus width is larger than 50 inches.

H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.

3.2 CLEANING AND PROTECTION

A. Immediately after installation, remove nonpermanent labels and clean surfaces.

B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.

1. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended in writing by glass manufacturer.

C. Remove and replace glass that is damaged during construction period.

3.3 FIRE-PROTECTION-RATED GLAZING SCHEDULE

A. Glass Type 7: for door vision lite at 1-hour corridor wall : 20-minute fire-protection-rated glazing without hose-stream test; tempered..

3.4 FIRE-RESISTANCE-RATED GLAZING SCHEDULE

A. Glass Type 8 at 1-hour corridor walls: 45-minute fire-resistance-rated glazing with 450 deg F temperature-rise limitation (D-H-OH-45); laminated glass with intumescent interlayers.

B. Glass Type 9 at 2-hour corridor walls: 120 minute fire-resistance-rated glazing with hose stream; laminated glass with intumescent interlayers.

C. END OF SECTION 08 88 13

Glen Oaks Community College

RENOVATIONS TO B & D HALLS

CENTREVILLE, MICHIGAN

CONSTRUCTION DOCUMENTS
JANUARY 26, 2024

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	A8.4	WEIGHT ROOM RAMP
	A9.1b	REFLECTED CEILING PLAN - MAIN LEVEL
	A9.1d	REFLECTED CEILING PLAN - MAIN LEVEL
	A9.2b	REFLECTED CEILING PLAN - SECOND LEVEL
	A9.2d	REFLECTED CEILING PLAN - SECOND LEVEL
	A10.1	INTERIOR ELEVATIONS
	A10.2	INTERIOR ELEVATIONS (THEATER)
	A10.3	INTERIOR ELEVATIONS (GYMNASIUM & WEIGHT ROOM)
	A10.4	INTERIOR SECTIONS & DETAILS
	A10.5	CASEWORK SECTIONS
	A11.1b	FLOOR FINISH PLAN - MAIN LEVEL
	A11.1d	FLOOR FINISH PLAN - MAIN LEVEL
2024/05/31	A11.2b	FLOOR FINISH PLAN - SECOND LEVEL
	A11.2d	FLOOR FINISH PLAN - SECOND LEVEL

PLUMBING

	PD1.0b	PLUMBING DEMOLITION PLAN - UNDERGROUND
	PD1.1b	PLUMBING DEMOLITION PLAN - MAIN LEVEL
	PD1.1d	PLUMBING DEMOLITION PLAN - FIRST LEVEL
	PD1.2d	PLUMBING DEMOLITION PLAN - SECOND LEVEL
	P1.0b	PLUMBING PLAN - UNDERGROUND
	P1.1b	PLUMBING PLAN - MAIN LEVEL
	P1.1d	PLUMBING PLAN - MAIN LEVEL
	P1.2d	PLUMBING PLAN - SECOND LEVEL
	P3.1	ENLARGED PLUMBING PLANS
	P4.1	PLUMBING SCHEDULES & DETAILS

MECHANICAL

	MD1.1b	MECHANICAL DEMOLITION PLAN - MAIN LEVEL
	MD1.1d	MECHANICAL DEMOLITION PLAN - MAIN LEVEL
	MD1.2b	MECHANICAL DEMOLITION PLAN - SECOND LEVEL
	MD1.2d	MECHANICAL DEMOLITION PLAN - SECOND LEVEL
	MD1.3	MECHANICAL DEMOLITION PLAN - ROOF
	M1.1b	MECHANICAL PLAN - MAIN LEVEL
	M1.1d	MECHANICAL PLAN - MAIN LEVEL
	M1.2b	MECHANICAL PLAN - SECOND LEVEL
	M1.2d	MECHANICAL PLAN - SECOND LEVEL
	M1.3	MECHANICAL PLAN - ROOF
	M3.1	MECHANICAL PLANS - FAN ROOM LEVEL & UNDERGROUND
	M3.2	MECHANICAL SECTIONS
	M4.1	MECHANICAL SCHEDULES & DETAILS
	M5.1	HVAC CONTROLS

ELECTRICAL

	ED1.1b	ELECTRICAL DEMOLITION PLAN - MAIN LEVEL
	ED1.1d	ELECTRICAL DEMOLITION PLAN - MAIN LEVEL
	ED1.2b	ELECTRICAL DEMOLITION PLAN - SECOND LEVEL
	ED1.2d	ELECTRICAL DEMOLITION PLAN - SECOND LEVEL
	ED1.3	ELECTRICAL DEMOLITION - FAN ROOM LEVEL
	E1.1b	POWER PLAN - MAIN LEVEL
	E1.1d	POWER PLAN - MAIN LEVEL
	E1.2b	POWER PLAN - SECOND LEVEL
	E1.2d	POWER PLAN - SECOND LEVEL
	E1.3	POWER PLAN - FAN ROOM LEVEL
	E2.1b	LIGHTING PLAN - MAIN LEVEL
	E2.1d	LIGHTING PLAN - MAIN LEVEL
	E2.2b	LIGHTING PLAN - SECOND LEVEL
	E2.2d	LIGHTING PLAN - SECOND LEVEL
	E3.1	PANEL SCHEDULES & RISER DIAGRAM
	E3.2	ELECTRICAL DETAILS & SCHEDULES
	E3.3	LIGHTING DETAILS & SCHEDULES

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MAP

LOCATION MAP: GLEN OAKS CC AND SURROUNDING AREA
NTS
NORTH

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ARCHITECT
No. 36337
LICENSED ARCHITECT

CONSTRUCTION DOCUMENTS

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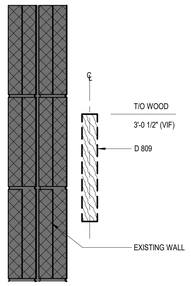
PROJECT COVER SHEET

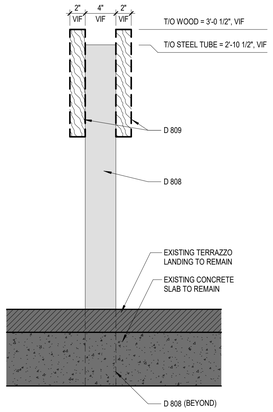
G0.1

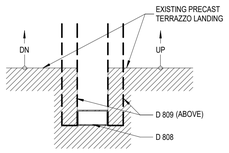
5/31/2024 9:05:20 AM



4 PERIMETER HANDRAIL DEMO DETAIL

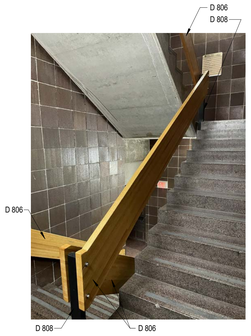
SCALE: 1 1/2" = 1'-0"





3 CENTER HANDRAIL DEMO DETAIL

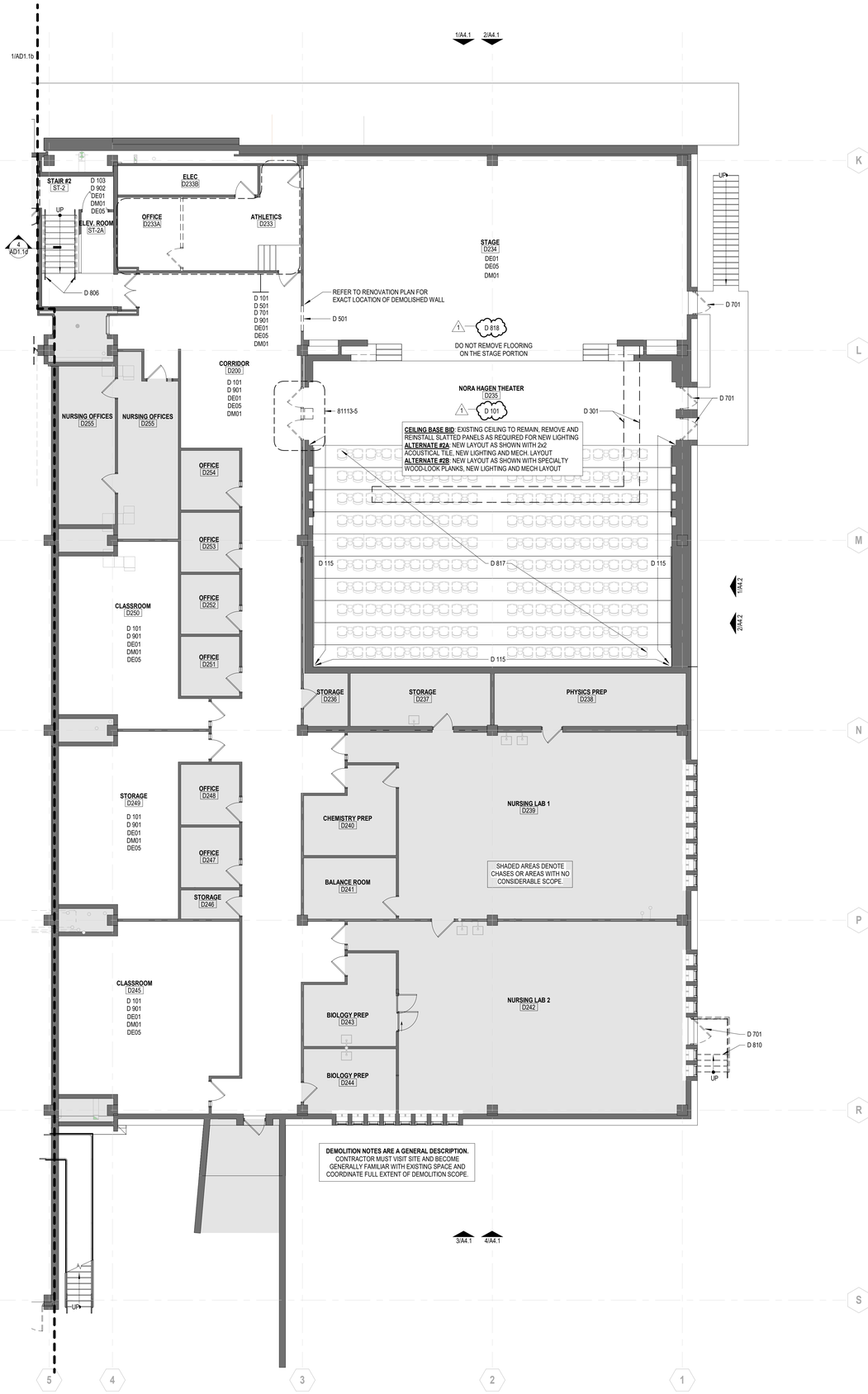
SCALE: 1 1/2" = 1'-0"



(LOOKING UP AT THE LANDING ABOVE)

2 EXISTING STAIR PHOTOS

SCALE: 1/16" = 1'-0"



1 DEMOLITION FLOOR PLAN - MAIN LEVEL (D HALL)

SCALE: 1/8" = 1'-0"

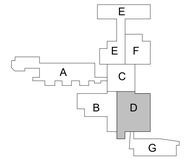
NORTH

GENERAL DEMOLITION NOTES

1.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND GENERAL BUILDING STABILITY DURING REMOVAL OF ANY WALLS, FLOOR,WINDOWS, DOORS, ETC., DURING DEMOLITION / CONSTRUCTION PROCESS.
2.	DEMOLITION PLAN NOTES ARE GENERAL DESCRIPTION. PATCH / REPAIR ALL EXISTING SURFACES, WALLS, ETC. FROM REMOVAL OF DESCRIBED ITEMS. PATCHING AND REPAIRS SHALL MATCH EXISTING ADJACENT MATERIALS AND FINISH.
3.	REMOVAL OF DOORS AND WINDOWS SHALL INCLUDE ALL HARDWARE, ANCHORS, SHIMS, SEALANT, AND ALL ASSOCIATED DEVICES FOR DESCRIBED ITEMS, UNLESS OTHERWISE NOTED. EXISTING OPENINGS TO REMAIN SHALL BE CLEANED AND PREPARED FOR NEW CONSTRUCTION
4.	REMOVAL OF GENERAL ITEMS DESCRIBED SHALL INCLUDE ALL ANCHORS, SCREWS, BOLTS, ETC. AFTER REMOVING SUCH ITEMS, PREPARE REMAINING WALLS, STRUCTURE, ETC. FOR NEW CONSTRUCTION.
5.	REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION FOR REMOVAL OF ALL EQUIPMENT, PIPING, WIRING, DEVICES, ETC. COORDINATE REMOVAL OF DESCRIBED ITEMS WITH APPLICABLE TRADES.
6.	SAW CUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR REMOVAL AND / OR INSTALLATION OF NEW UNDERGROUND PIPING OR CONDUIT PER PLUMBING AND ELECTRICAL DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR TYPICAL SLAB REPLACEMENT DETAIL.
7.	PROVIDE ANY NECESSARY TEMPORARY PROTECTION TO MAINTAIN WATERTIGHT EXTERIOR.
8.	REMOVE ANY REMAINING CLIPS, ANCHORS, MISC. DEVICES, AND FASTENERS FROM EXISTING SURFACES THAT ARE NOT SPECIFICALLY USED FOR REMAINING CONSTRUCTION. PATCH AND / OR REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION AND FINISHES.
9.	CONTRACTOR RESPONSIBLE FOR KEEPING BUILDING AND SITE SECURE AND ALL OPENINGS COVERED DURING ALL STAGES OF DEMOLITION / CONSTRUCTION PROCESS TO PREVENT ANY UNAUTHORIZED ACCESS/ WEATHER DAMAGE.

PLAN CONSTRUCTION KEYNOTES

81113-5	ALTERNATE #4: REMOVE EXISTING DOORS AND PORTION OF WALL AS SHOWN TO BE REPLACED WITH DOUBLE DOORS. BASE BID: EXISTING DOORS TO REMAIN AS IS.
D 101	REMOVE VCT/CARPET FLOORING AND BASE COMPLETE. PREPARE SUBSTRATE FOR NEW FINISHES INDICATED.
D 103	EXISTING FLOORING TO REMAIN, PROTECT DURING CONSTRUCTION ACTIVITIES.
D 115	REMOVE BASE AS NOTED. PREPARE SUBSTRATE FOR NEW FINISHES INDICATED.
D 301	LINE OF EXISTING CATWALK ABOVE, VIF. ALTERNATE #2A & #2B: REMOVE STEEL STRUCTURE AND ACCESSORIES.
D 501	REMOVE GYPSUM BOARD AND STUD WALL PARTITION(S) COMPLETE (OR PORTION AS INDICATED)
D 701	REMOVE DOOR(S) AND FRAME
D 702	REMOVE WINDOW AND FRAME COMPLETE
D 806	REMOVE WOOD HANDRAILS AND MOUNTING HARDWARE AROUND THE STAIR PERIMETER COMPLETE. REMOVE WOOD HANDRAILS IN THE CENTER, VERTICAL STEEL TUBES TO REMAIN.
D 808	EXISTING 2"X4" STEEL TUBE TO REMAIN.
D 809	REMOVE 2" X 14" LAMINATED WOOD HANDRAIL.
D 810	REMOVE CONCRETE STAIRS, GUARDRAIL, AND CONCRETE WALLS SUPPORTING STAIRS IN THEIR ENTIRETY. PREPARE CONCRETE FOUNDATION WALL TO RECEIVE NEW FINISHES.
D 817	REMOVE EXISTING SEATING AND ACCESSORIES COMPLETE.
D 818	REMOVE ALL STAGE CURTAINS AND LIGHTING IN THEIR ENTIRETY.
D 901	REMOVE SUSPENDED ACOUSTICAL TILE CEILING PADS, GRID, AND ACCESSORIES COMPLETE.
D 902	REMOVE EXISTING GYP / PLASTER CEILING COMPLETE
DE01	REMOVE LIGHT FIXTURES. COORDINATE WITH ELECTRICAL.
DE05	NEWLY INSTALLED FIRE ALARM DEVICES & WIRING SHALL BE SALVAGED. REFER TO ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
DM01	REMOVE MECH. LOUVER AND RELATED ACCESSORIES. COORDINATE WITH MECHANICAL.



KEY PLAN

SCALE: NONE

NORTH

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RENOVATIONS TO B & D HALLS

Glen Oaks Community College
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PROJECT: 2022.0049

KEVIN J SCULLY
ARCHITECT
No. 36337
STATE OF MICHIGAN
REGISTERED ARCHITECT

CONSTRUCTION DOCUMENTS

ISSUE DATE: 01/26/2024

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1	2024/05/31	Addendum 1

DEMOLITION FLOOR PLAN - MAIN LEVEL

AD1.1d

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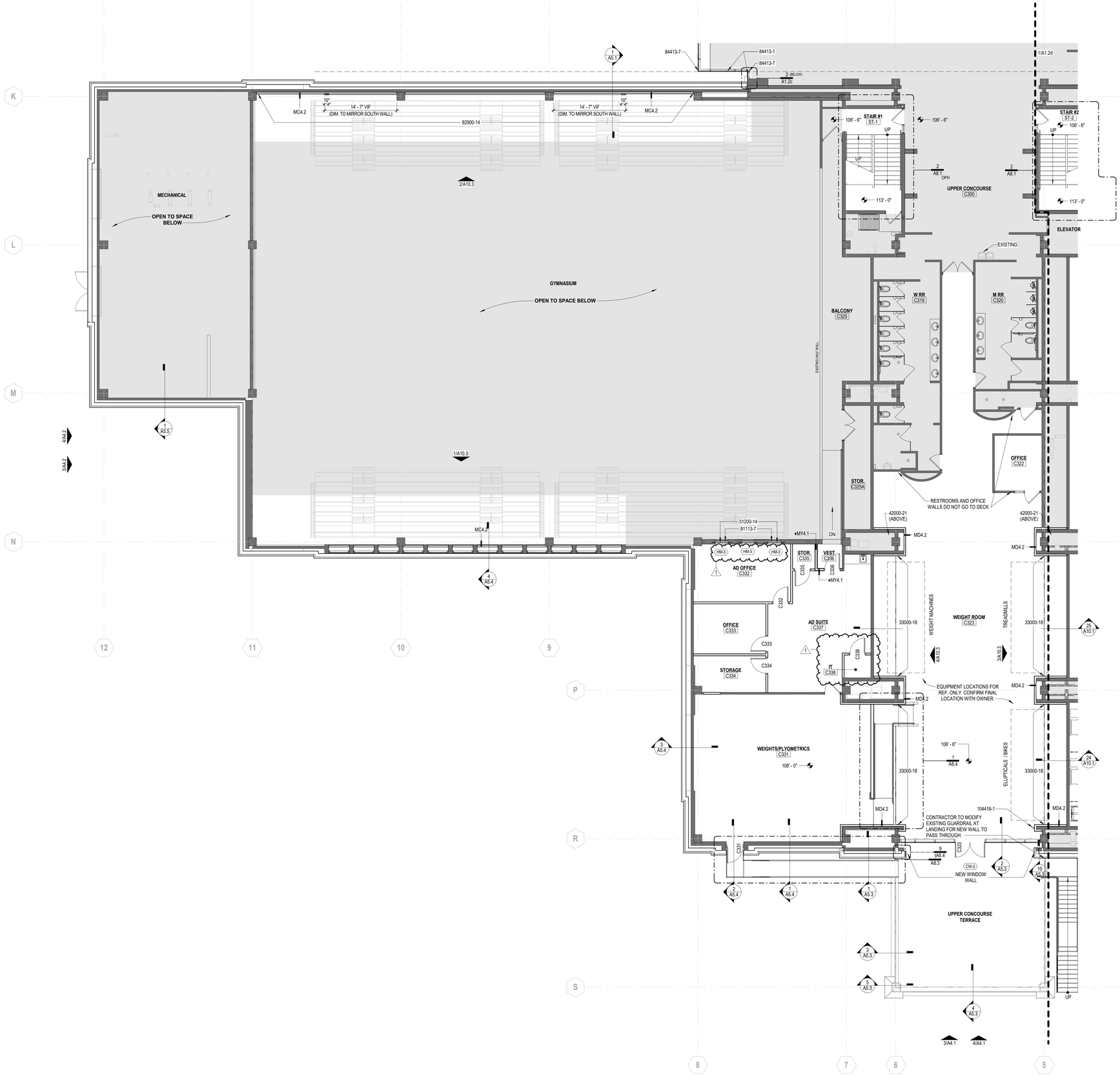

GENERAL CONSTRUCTION NOTES

1.	REFER TO GENERAL INFORMATION SHEET G0.2 FOR SYMBOLS LEGENDS AND ABBREVIATIONS.
2.	CONTRACTORS INSTALLED WORK IS TO COMPLY WITH ALL LOCAL, STATE AND NATIONAL BUILDING CODES AND THE AMERICANS WITH DISABILITY ACT
3.	CONTRACTORS ARE TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO COMPLETE THE PROJECT.
4.	CONTRACTORS SHALL FULLY REVIEW ALL PROJECT DOCUMENTS AND PROVIDE ALL INFORMATION AS REQUIRED FOR SUBMITTALS. CONTRACTORS ARE RESPONSIBLE TO REVIEW THE FULL EXTENT OF THE WORK PRIOR TO EXECUTION OF THE BIDS.
5.	DO NOT SCALE THE DRAWINGS. PLEASE FORWARD ALL QUESTIONS REGARDING CLARIFICATION OF DIMENSIONS TO THE ARCHITECT/ ENGINEER FOR IMMEDIATE RESOLUTION.
6.	NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO SHOP DRAWING PREPARTION, MATERIAL FABRICATION AND/OR INSTALLATION OF WORK.
7.	CONTRACTOR SHALL INCLUDE A SIGNED AUTHORIZATION WITH ALL MATERIAL AND EQUIPMENT SHOP DRAWING SUBMITTALS INDICATING THAT FIELD DIMENSIONS WERE OBTAINED AND ARE ACCURATE TO THE BEST OF THEIR KNOWLEDGE.
8.	CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS RELATIVE TO THE PROJECT PRIOR TO MATERIAL FABRICATION & INSTALLATION. CONFLICTS, OMMISSIONS AND/OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER IMMEDIATELY FOR RESOLUTION AND PRIOR TO PROCEEDING WITH THE WORK.
9.	CONTRACTOR SHALL COORDINATE ALL WORK WITH THE EQUIPMENT MANUFACTURER TO ENSURE APPROPRIATE WALL BLOCKING REQUIREMENTS FOR SUPPORT OF THE EQUIPMENT AND ROUGH IN CLEARANCE REQUIREMENTS FOR EQUIPMENT INSTALLATION AND USE.
10.	CONTRACTOR TO LAY OUT AND MARK ALL WALLS AND OPENINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY FOR RESOLUTION.
11.	DETAILS AND NOTES ON THESE PAGES MAY BE GENERALIZED AND SHALL SERVE TO AID THE CONTRACTOR IN EVALUATION OF THIS WORK AS REQUIRED FOR NEW CONSTRUCTION, BUT DRAWINGS SHALL NOT BE HELD TO BE ALL INCLUSIVE. CONTRACTOR TO PERFORM FIELD ALTERATIONS, PATCHING AND PREPARATION FOR ALL NEW WORK AS REQUIRED WHETHER OR NOT IT IS SPECIFICALLY NOTED IN THESE DRAWINGS. CONSULT WITH PRODUCT MANUFACTURER FOR ALL THEIR REQUIREMENTS OF INSTALLATION.
12.	IT IS PREFERRED THAT ALL CONTRACTORS UTILIZE THE SAME FIRESTOPPING CONTRACTOR FOR THE FIRESTOPPING SCOPE OF WORK. SEE THE FIRESTOPPING NOTES ON THE LIFE SAFETY PLAN FOR MORE INFORMATION.

PLAN CONSTRUCTION KEYNOTES

33000-18	ALTERNATE #1: PROVIDE FLOOR INFILL, LEVEL WITH EXISTING FLOOR, SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
42000-21	WHERE NEW MECHANICAL WORK PENETRATES EXISTING CMU, PATCH AND PAINT TO MATCH ADJACENT CMU WALLS.
51200-14	STEEL LINTEL. W8x10 WITH A 1/4"x11" BOTTOM PLATE. BEARING 8" EACH SIDE OF OPENING ON CMU WITH GROUTED CELL.
81113-7	ALTERNATE #7: 2 HOUR RATED HOLLOW METAL WINDOW FRAMES WITH 2 HOUR RATED GLAZING (W-120). SEE A7. SERIES DRAWINGS FOR SIZE.
84413-1	THERMALLY BROKEN ALUMINUM CURTAINWALL SYSTEM. BASIS OF DESIGN - "KAWNEER 1600 WALL SYSTEM". SEE FRAME ELEVATIONS FOR GLASS TYPES.
84413-7	PROVIDE SQUARE CORNER AT CHANGE IN DIRECTION OF CURTAIN WALL. DEPTH TO MATCH CURTAIN WALL SYSTEM.
92900-14	ALTERNATE #5: ON THE NORTH SIDE OF THE GYMNASIUM, BETWEEN COLUMNS AT PRECAST PANELS, PROVIDE METAL STUD AND GYP. BD. INFILL.
104416-1	SURFACE MOUNTED FIRE EXTINGUISHER W/BRACKET. MOUNTING HEIGHT PER ADA REQUIREMENTS.

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PROJECT: 2022.0049

STATE OF MICHIGAN
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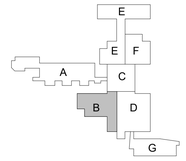

KEY PLAN
SCALE: NONE
NORTH

FLOOR PLAN - SECOND LEVEL

A1.2b

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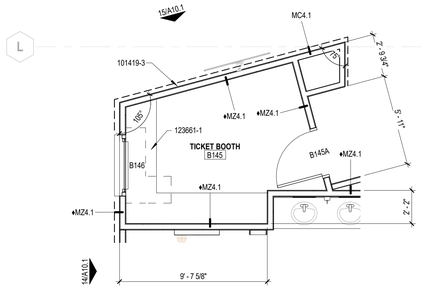
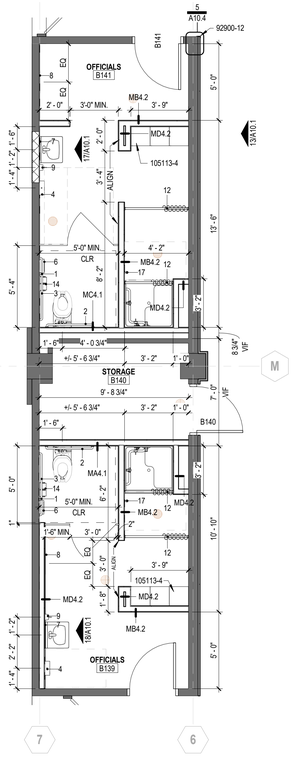
1 FLOOR PLAN - SECOND LEVEL (B HALL)
SCALE: 1/8" = 1'-0"
NORTH



6 TICKET BOOTH

NORTH

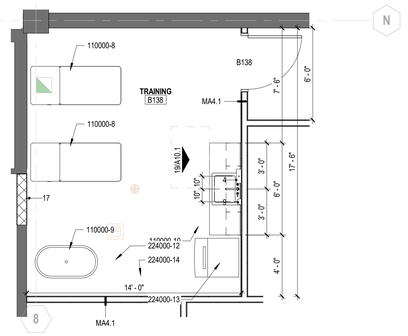
SCALE: 1/4" = 1'-0"



5 OFFICIALS' LOCKER ROOMS ENLARGED PLAN

NORTH

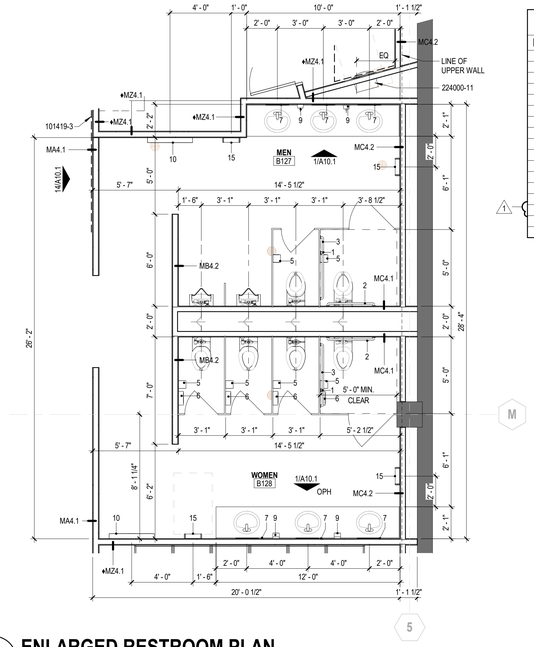
SCALE: 1/4" = 1'-0"



4 OFFICE SUITE & TRAINING RM ENLARGED PLAN

NORTH

SCALE: 1/4" = 1'-0"



3 ENLARGED RESTROOM PLAN

NORTH

SCALE: 1/4" = 1'-0"

2 LOCKER ROOM RR ENLARGED PLAN

NORTH

SCALE: 1/4" = 1'-0"

1

TOILET ACCESSORY SCHEDULE

ITEM	NAME	MANUFACTURER	MODEL NUMBER	COMMENTS
1	GRAB BAR, 18" LONG (VERTICAL)	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
2	GRAB BAR, 36" LONG	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
3	GRAB BAR, 42" LONG	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
4	PAPER TOWEL DISPENSER, SURFACE-MOUNTED	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
5	TOILET TISSUE HOLDER, SURFACE-MOUNTED	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
6	SANITARY NAPKIN DISPOSAL, SURFACE-MOUNTED	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
7	18"x36" MIRROR	BRADLEY	780-018360	CONTRACTOR TO PROVIDE & INSTALL
8	18"x60" MIRROR	BRADLEY	780-18600	CONTRACTOR TO PROVIDE & INSTALL
9	SOAP DISPENSER	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
10	BABY CHANGING STATION	BRADLEY	962-11	CONTRACTOR TO PROVIDE & INSTALL
11	NOT USED.	-	-	-
12	SHOWER CURTAIN ROD	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
13	NOT USED.	-	-	-
14	TOILET TISSUE HOLDER, OFFICIALS	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
15	ELECTRIC SURFACE-MOUNTED HAND DRYER	EXCEL DRYER	XLERATOR	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
16	TOWEL PIN	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)
17	TOWEL HOOK	-	-	OWNER TO PROVIDE (CONTRACTOR TO INSTALL)

ENLARGED PLAN KEYNOTES

92900-12	DRYWALL REVEAL/CONTROL JOINT. BASIS OF DESIGN - "PRY REGLET, CORP - REVEAL SYSTEMS, DRYWALL L TRIM MOULDING DRML-200"
101100-5	6'L x 4'H WALL MOUNTED WHITEBOARD, MOUNT BOTTOM EDGE @ 42" A.F.F.
101419-3	ATHLETIC GRAPHICS, LEVEL 5 DRYWALL FINISH, SEE ELEVATIONS FOR MORE INFORMATION. COORDINATE FINAL GRAPHICS WITH OWNER.
104413-6	FIRE EXTINGUISHER CABINET. FULLY RECESSED. MOUNTING HEIGHT PER ADA REQUIREMENTS
105113-2	24"x24"x72" TALL METAL LOCKERS W/SLOPING TOP ON CONTINUOUS 4" BASE, HALF HEIGHT. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
105113-4	EXISTING LOCKERS, RELOCATED
105116-1	NEW ATHLETIC WOOD LOCKERS WITH BASE, HINGED FOOT LOCKER, 2 HOOKS, AND SECURITY BOX. REFER TO LOCKER SECTION FOR MORE INFORMATION.
110000-8	OWNER FURNISHED/OWNER INSTALLED TREATMENT TABLE
110000-9	OWNER FURNISHED/CONTRACTOR INSTALLED ICE BATH TUB
110000-10	OWNER FURNISHED/CONTRACTOR INSTALLED ICE MACHINE
120000-2	OWNER PROVIDED AND INSTALLED FURNISHINGS.
123661-1	SOLID SURFACE COUNTERTOP. SEE FINISH PLANS & SCHEDULE FOR LOCATIONS & TYPES. SEE A10. SERIES SHEETS FOR COUNTER HEIGHTS.
224000-11	BOTTLE FILLER, ADA COMPLIANT, SEE PLUMBING DRAWINGS AND SPECIFICATIONS.
224000-12	FLOOR SINK, SEE PLUMBING.
224000-13	FLOOR DRAIN, SEE PLUMBING.
224000-14	HOSE BIBB, SEE PLUMBING.

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ENLARGED FLOOR PLANS

A3.1

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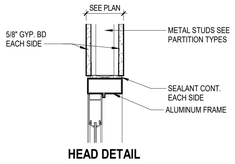
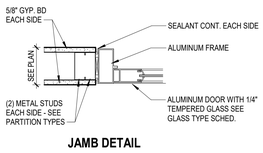


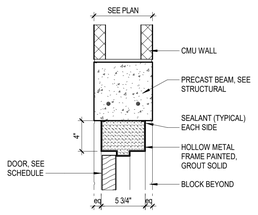
HEAD DETAIL



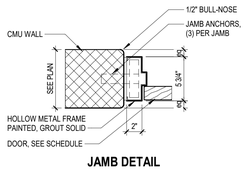
JAMB DETAIL

F3 METAL STUD - ALUM FRAME

SCALE: 1 1/2" = 1'-0"



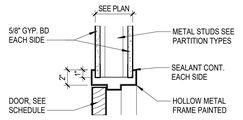
HEAD DETAIL



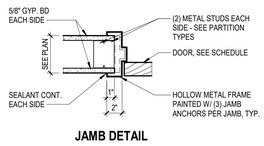
JAMB DETAIL

F2 CMU - HM FRAME - PRECAST

SCALE: 1 1/2" = 1'-0"



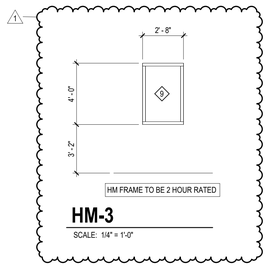
HEAD DETAIL



JAMB DETAIL

F1 METAL STUD - HM FRAME

SCALE: 1 1/2" = 1'-0"



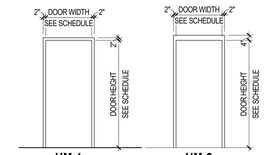
HM-3

SCALE: 1/4" = 1'-0"

DOOR SCHEDULE COMMENTS	
1	PROVIDE ADA OPERATOR AND ACTUATOR PUSH BUTTON.
2	PROVIDE ELECTRIFIED HARDWARE AND CARD READER FOR ELECTRONIC ACCESS CONTROL
3	INSULATED HOLLOW METAL DOOR AND FRAME, PAINTED.
4	NOT USED.
5	EXISTING OPENING, VERIFY DIMENSIONS
6	MULLION-MOUNTED ADA PUSH BUTTON, COORDINATE WITH ELEC. DWGS
7	FIRE-RATED SERVICE DOOR WITH PUSH-UP OPERATION. ARCHITECT TO REVIEW FULL LINE OF PREMIUM COLOR SAMPLES FOR APPROVAL. B.O.D.: OVERHEAD DOOR, FIREKING MODEL 631.

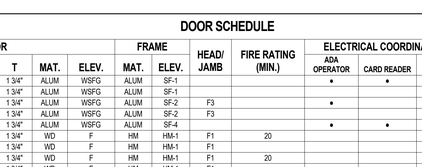
DOOR SCHEDULE

	DOOR						FRAME		HEAD/ JAMB	FIRE RATING (MIN.)	ELECTRICAL COORDINATION			COMMENTS
NO.		W	H	T	MAT.	ELEV.	MAT.	ELEV.			ADA OPERATOR	CARD READER	MAGNETIC HOLD	
B124A		3' - 0"	7' - 0"	1 3/4"	ALUM	WSFG	ALUM	SF-1			•	•		1, 2
B124B	(2)	3' - 0"	7' - 0"	1 3/4"	ALUM	WSFG	ALUM	SF-1						
B124C		3' - 0"	7' - 0"	1 3/4"	ALUM	WSFG	ALUM	SF-2	F3		•			1, 6
B124D	(2)	3' - 0"	7' - 0"	1 3/4"	ALUM	WSFG	ALUM	SF-2	F3					
B126		4' - 0"	7' - 0"	1 3/4"	ALUM	WSFG	ALUM	SF-4			•	•		1, 2, 5
B129		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1	20				
B129B		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1					
B130		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1	20				
B130B		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1					
B131		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-2	F2	20				
B132		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-2	F2	20				
B133		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-2	F2	20				
B134		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
B134C		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-2	F2					5
B134D		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-2	F2					
B134E		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-2	F2					
B136		3' - 6"	7' - 4"	1 3/4"	WD	F	HM	HM-2	F2					5 (HEIGHT ONLY)
B137		3' - 6"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1					
B138		3' - 6"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1					
B139		3' - 0"	7' - 4"	1 3/4"	WD	F	HM	HM-2	F2	20				5
B140		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-2	F2	20				
B141		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-2	F2	20				
B143A		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
B143B		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2			•		2, 3, 5
B143C		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
B143D		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2			•		2, 3, 5
B144	(2)	4' - 0"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
B145A		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1	20				
B146			4' - 2"		STEEL		STEEL			20				
C323	(2)	3' - 0"	7' - 0"	1 3/4"	ALUM	WSFG	ALUM	CW-2	9/A5.3					
C331		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
C332		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-1	F1					
C333		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-1	F1					
C334		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-1	F1					
C335		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1					
C336		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-1	F1	90				
C338		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-1	F1					
D233A		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-1	F1					
D234A		3' - 0"	7' - 0"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
D234B		4' - 0"	8' - 0"	2"	STEEL	OH	STEEL			20				7
D235A		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
D235B		3' - 2"	7' - 11"	1 3/4"	HM	F	HM	HM-1	F2					3, 5
D235C	(2)	3' - 0"	7' - 6"	1 3/4"	WD	NL	HM	HM-2	F2	20				ALTERNATE #4, 5 (HEIGHT ONLY)
D403		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-2	F2	20				5
D409		3' - 0"	7' - 0"	1 3/4"	WD	F	HM	HM-2	F2					
D412		3' - 0"	7' - 0"	1 3/4"	WD	NL	HM	HM-1	F1					
ST-1		3' - 6"	7' - 0"	1 3/4"	HM	WSFG	HM	HM-1	F1	60				5
ST-2		3' - 6"	7' - 0"	1 3/4"	HM	WSFG	HM	HM-1	F1	60				5



DOOR FRAME ELEVATIONS

SCALE: 1/4" = 1'-0"

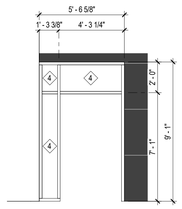


DOOR ELEVATIONS

SCALE: 1/4" = 1'-0"

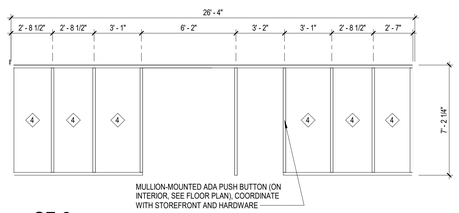
SF-4

SCALE: 1/4" = 1'-0"



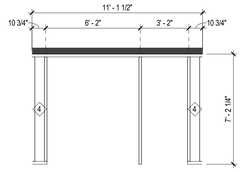
SF-3

SCALE: 1/4" = 1'-0"



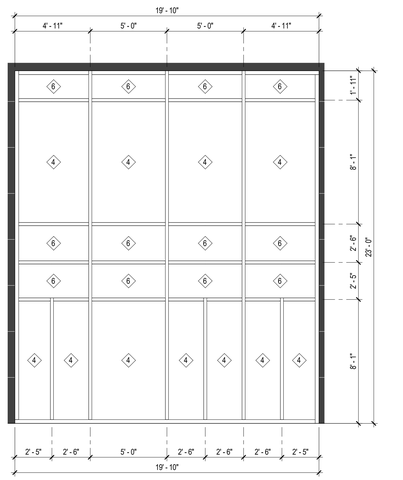
SF-2

SCALE: 1/4" = 1'-0"



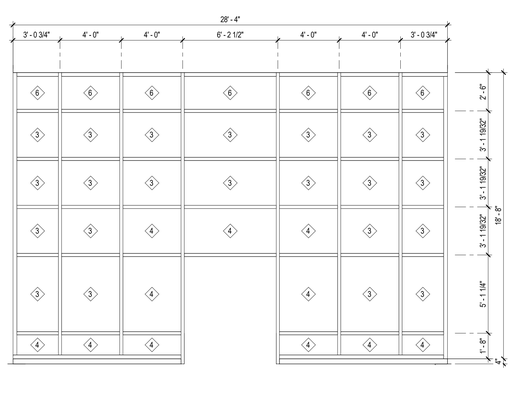
SF-1

SCALE: 1/4" = 1'-0"



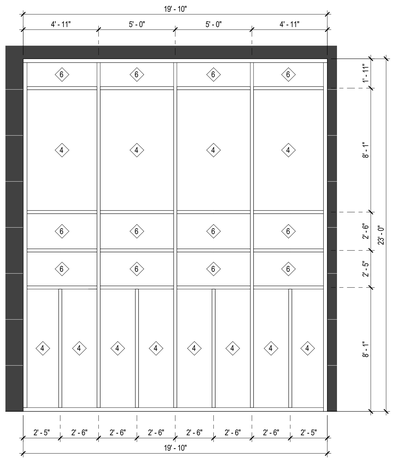
CW-3

SCALE: 1/4" = 1'-0"



CW-2

SCALE: 1/4" = 1'-0"



CW-1

SCALE: 1/4" = 1'-0"

GLAZING SYMBOLS LEGEND

MARK	GLAZING DESCRIPTION
INSULATING GLASS TYPES	
3	1" INSULATED, HEAT-STRENGTHENED GLASS
4	1" INSULATED, FULLY-TEMPERED GLASS
6	1" INSULATED, HEAT-STRENGTHENED SPANDREL GLASS
FIRE RATED GLASS TYPES	
7	1/4" 20 MINUTE FIRE RATED GLAZING, SEE SPECIFICATIONS
8	1/4" 45 MINUTE FIRE RATED GLAZING, SEE SPECIFICATIONS
9	1-9/16" 120 MINUTE FIRE RATED GLAZING, SEE SPECIFICATIONS

WINDOW GLAZING AND FRAME GENERAL NOTES

1.	ALL FRAME ELEVATIONS NOTED AS "CW-X" ARE TO BE CURTAINWALL ASSEMBLY, REFERENCE SPECIFICATIONS (SECTION 84413 & 84423) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
2.	ALL FRAME ELEVATIONS NOTED AS "SF-X" ARE TO BE STOREFRONT ASSEMBLY, REFERENCE SPECIFICATIONS (SECTION 84113) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
3.	ALL FRAME ELEVATIONS NOTED AS "HM-X" ARE TO BE HOLLOW METAL FRAMING ASSEMBLY, REFERENCE SPECIFICATIONS (SECTION 81113) FOR SYSTEM REQUIREMENTS AND CONFIGURATIONS.
4.	NOT USED.
5.	ALL H.M. WINDOW FRAMES SHALL WRAP WALL ASSEMBLY UNLESS NOTED OTHERWISE, OR INDICATED IN THE DETAILS. CONTRACTOR TO VERIFY WALL THICKNESS IN FIELD.
6.	ALL H.M. FRAMES ARE TO BE PAINTED, SEE ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
7.	ALL GLAZING TO MEET REQUIREMENTS FOR CHAPTER 24, 2015 MICHIGAN BUILDING CODE.
8	ALL WINDOW FRAMES ARE TO RECEIVE SEALANT BOTH SIDES, TYP. SUBMIT COLOR SELECTION FOR ARCHITECT APPROVAL OF SEALANT COLORS.
9	WINDOW FRAME DIMENSIONS SHOWN ARE NOMINAL, SEE SPECS.
10	ALL MULLIONS/CAP EXTENSIONS ARE TO DIMENSIONS AS SPECIFICED UNLESS OTHERWISE INDICATED IN FRAME ELEVATION.

DESIGN COLLABORATIVE
200 East Main Street
Suite 600
Fort Wayne, IN 46802
260.422.4241
260.422.4847
designcollaborative.com

RENOVATIONS TO B & D HALLS

Glen Oaks Community College
62249 Shimmel Road
Centreville, MI 49032
PROJECT: 2022.0049

CONSTRUCTION DOCUMENTS

ISSUE DATE: 01/26/2024

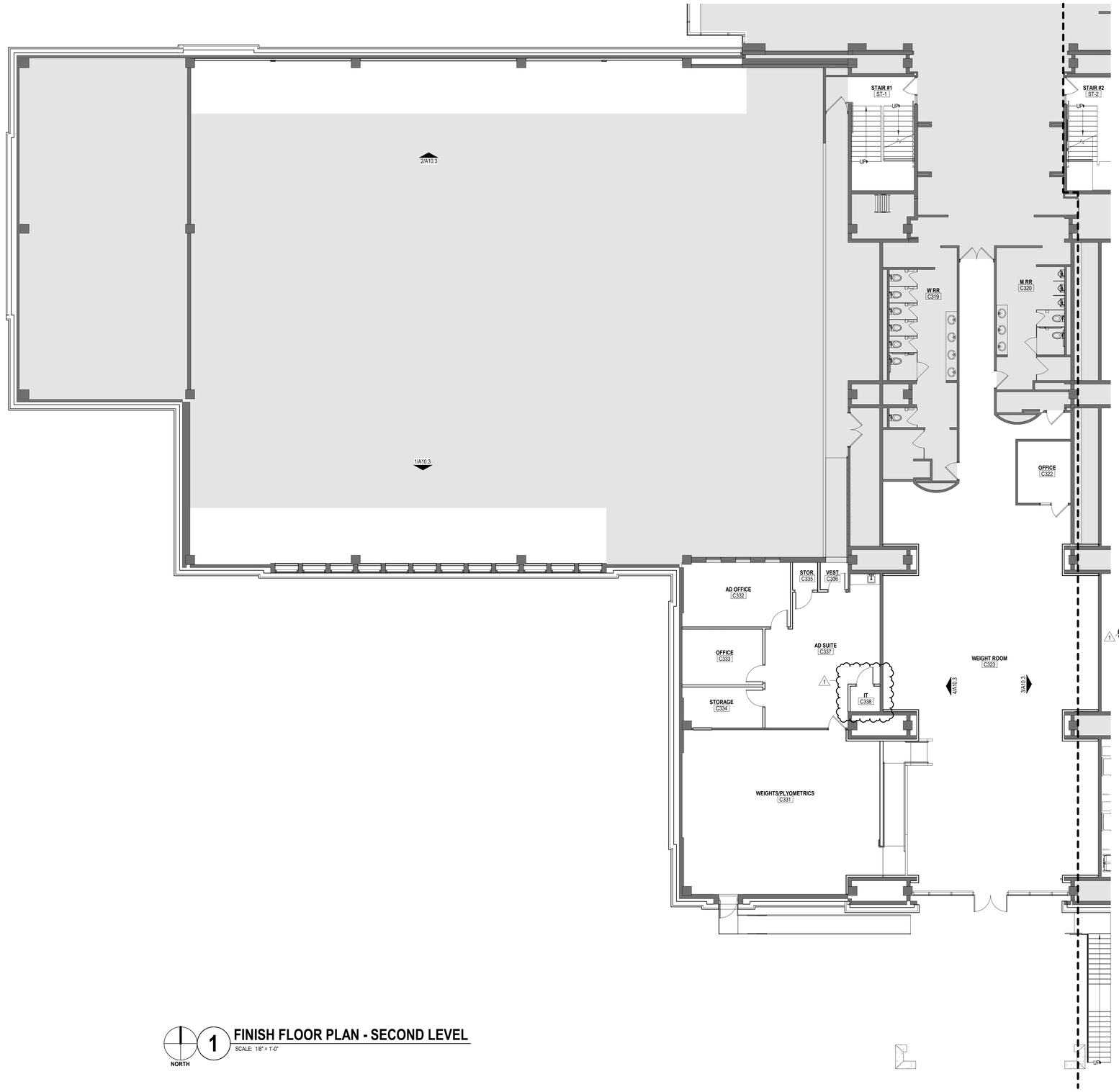
REVISIONS

NO.	DATE	DESCRIPTION
1	2024/05/31	Addendum 1

FRAME ELEVATIONS, SCHEDULES & DETAILS

A7.1

5/31/2024 9:22:57 AM



1 **FINISH FLOOR PLAN - SECOND LEVEL**
SCALE: 1/8" = 1'-0"
NORTH

FINISH LEGEND

ACOUSTIC CEILING TILE
ACT-1 ARMSTRONG, CORTEGA, ITEM NO.:770, SIZE: 24" X 24" X 5/8", EDGE: SQUARE, COLOR: WHITE

ACOUSTIC WALL PANEL
AWP-1 CARNEGIE, XOREL PANEL, SHAPE: PLANK, SIZE: SMALL, 5" X 20", SUBSTRATE: QUIET-CORE, EDGE: BEVEL, FABRIC: LINEN 6291 S, INSTALL: QUICK GRAB WALL MOUNTED
AWP-2 CARNEGIE, XOREL PANEL, SHAPE: PLANK, SIZE: SMALL, 5" X 20", SUBSTRATE: QUIET-CORE, EDGE: BEVEL, FABRIC: SAHARA MATTE 6089 629, INSTALL: QUICK GRAB WALL MOUNTED
AWP-3 CARNEGIE, XOREL PANEL, SHAPE: PLANK, SIZE: SMALL, 5" X 20", SUBSTRATE: QUIET-CORE, EDGE: BEVEL, FABRIC: METEOR 6427 2018, INSTALL: QUICK GRAB WALL MOUNTED
AWP-4 CARNEGIE, XOREL PANEL, SHAPE: PLANK, SIZE: LARGE, 10" X 20", SUBSTRATE: QUIET-CORE, EDGE: BEVEL, FABRIC: LINEN 6291 S, INSTALL: QUICK GRAB WALL MOUNTED
AWP-5 CARNEGIE, XOREL PANEL, SHAPE: PLANK, SIZE: LARGE, 10" X 20", SUBSTRATE: QUIET-CORE, EDGE: BEVEL, FABRIC: SAHARA MATTE 6089 629, INSTALL: QUICK GRAB WALL MOUNTED

CARPET
CPT-1 MOHAWK, COLLECTION: NUTOPIA MATRIX, STYLE: URBAN TERRAIN GT413, COLOR: FUSION 969, SIZE: 12" X 36", INSTALL: STAGGER
CPT-2 SHAW, COLLECTION: COLOR AT WORK II, STYLE: SATURATE 5T109, COLOR: VIRIDIAN 07396, SIZE: 9" X 36, INSTALL: STAGGER
CPT-3 SHAW, COLLECTION: IN SYNC, STYLE: COMPANION TILE 5T352, COLOR: FUSE 52515, SIZE: 24" X 24", INSTALL: QUARTER-TURN
CPT-4 SHAW, COLLECTION: COLOR FRAME AND COLOR FORM, STYLE: COLOR FRAME TILE 5T081, COLOR: DISAPPEAR 81557, INSTALL: MONOLITHIC

CERAMIC WALL TILE
CWT-1 DALTILE, COLLECTION: CINEMATIC, STYLE: PICKET, COLOR: CLASSIC GREY CM41, SIZE: 2" X 5", MESH MOUNTED, GROUT: MAPEI, COLOR: 09 GRAY, UNSANDED
CWT-2 DALTILE, COLLECTION: SADDLE BROOK, COLOR: GRAVEL ROAD SD16, SIZE: 6" X 36", INSTALL: STAGGER, GROUT: MAPEI, COLOR: 09 GRAY, UNSANDED
CWT-3 DALTILE, COLLECTION: CONCRETE MASONRY, COLOR: ARTISAN GREY P036, SIZE: 16" X 32", INSTALL: 33% OFFSET, GROUT: MAPEI, COLOR: 107 IRON, UNSANDED
CWT-4 BASIS OF DESIGN: OTTIMO CERAMICS, STYLE: DASH, COLOR: TBD, SIZE: 16" X 48", INSTALL: VERTICAL STACKED, GROUT: MAPEI, COLOR: TBD, UNSANDED

CORNER GUARD
CG-1 INPRO, 150D HIGH IMPACT END WALL PROTECTOR, 8' H, MOUNTED TOP OF BASE, COLOR: DOVE GRAY 0106
CG-2 INPRO, 150 HIGH IMPACT CORNER GUARD, 8'H, MOUNTED TOP OF BASE, COLOR: DOVE GRAY 0106

LUXURY VINYL TILE
LVT-1 PATCRAFT, COLLECTION: LINOCUT I560V, COLOR: CHISEL 00550, SIZE: 9" X 36", INSTALL: STAGGER
LVT-2 SHAW, COLLECTION: COMPOUND + CAST, STYLE: COMPOUND 5.0 4077V, COLOR: PATINA 77405, SIZE: 24" X 24", INSTALL: QUARTER-TURN

PAINT
PNT-1 SHERWIN WILLIAMS, COLOR: SW7650 ELLIE GRAY, FINISH: EGGSHELL
PNT-2 SHERWIN WILLIAMS, COLOR: GLEN OAKS BONE WHITE, FINISH: EGGSHELL
PNT-3 GLEN OAKS GREEN, PANTONE# 1235C, FINISH: EGGSHELL
PNT-4 GLEN OAKS YELLOW, PANTONE# 7484C, FINISH: EGGSHELL
PNT-5 SHERWIN WILLIAMS, COLOR: SW7005 PURE WHITE, FINISH: FLAT
PNT-6 PPG, COLOR: 1009-6, FINISH: SEMI-GLOSS

PLASTIC LAMINATE
PL-1 FORMICA, COLOR: 5787-NG TAUPE WALNUT, FINISH: NATURAL GRAIN
PL-2 ARBORITE, COLOR: P407 MONOLITH, FINISH: VL
PL-3 PIONITE, COLOR: AG801SD JUMPING IN PUDDLES, FINISH: TEXTURED/SUEDE

PRIVACY CURTAIN
PC-1 INPRO, STYLE: FRAMEWORK, COLOR: PLATINUM, 64" LONG WITH 20" LONG SNOW MESH CURTAIN HEADING ABOVE

RUBBER
RB-1 TARKETT, TRADITIONAL 4" BASE, COLOR: 20 CHARCOAL

RUBBER FLOORING
RF-1 THOR RUBBER FLOORING, STYLE: RESI24, COLOR: TBD, 48" WIDE ROLLED GOODS

SEALED CONCRETE
SC-1 SHERWIN WILLIAMS, ARMORSEAL 1K, WATER-BASED URETHANE FLOOR ENAMEL, FINISH: CLEAR B65C775

SHEET VINYL
SV-1 MANNINGTON, COLLECTION: PARADIGM II, STYLE: FLOW, COLOR: PURPOSE PD316

SOLID SURFACE
SS-1 CORIAN, COLOR: COSMOS PRIMA
SS-2 CORIAN, COLOR: EVEREST

STAIR COMPONENT
STC-1 MANNINGTON, DOUBLE UNDERCUT CARPET STAIR NOSING 565, COLOR: 217 CHARCOAL

WALK-OFF MAT
WOM-1 PATCRAFT, COLLECTION: WALK FORWARD, STYLE: CONNECTING I0535, COLOR: PATHWAY 00580, SIZE: 24" X 24", INSTALL: QUARTER-TURN

WOOD
WD-1 PLAIN SLICED MAPLE STAINED TO MATCH EXISTING WOOD

WOOD CEILING
WDC-1 ARMSTRONG, WOODWORKS LINEAR VENEERED PLANKS, ITEM NO.: 6460W1, SIZE: 5-1/4" X 96" X 3/4", FINISH: TBD

GENERAL ROOM FINISH NOTES

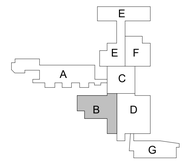
1. SEE "GENERAL" SHEETS IN THE FRONT OF THE WORKING DRAWING SET FOR DEFINITION OF ABBREVIATIONS.
2. THE SCHEDULED MATERIALS AND FINISHES SHALL NOT BE ORDERED OR INSTALLED BEFORE THE CONTRACTOR'S ACTUAL COLOR SAMPLE SUBMITTALS HAVE BEEN APPROVED AS CALLED FOR ON THE DRAWINGS AND IN THE SPECIFICATIONS.
3. ALL FLOOR FINISH TRANSITIONS TO OCCUR IN THE MIDDLE OF DOOR FRAME, UNLESS NOTED OTHERWISE ON FLOOR FINISH PLAN.
4. PROVIDE JOHNSONITE SLIMLINE RUBBER TRANSITIONS STRIP WHEREVER DIFFERING FLOOR MATERIALS MEET, UNLESS NOTED OTHERWISE.
5. ALL HOLLOW METAL DOOR FRAMES AND WINDOWS FRAMES TO BE PAINTED PNT-4 WITH ZERO VOC ACRYLIC BASED PAINT WITH A SEMI-GLOSS FINISH.
6. BASIS OF DESIGN, ALL SOLID WOOD DOORS TO BE MASONITE DOOR SYSTEMS, SPECIES: MATCH EXISTING, CUT: MATCH EXISTING, STAIN: MATCH EXISTING
7. REFER TO A10 SERIES FOR ADDITIONAL WALL FINISH INFORMATION
8. BOTTOM OF ALL GYP. BOARD CEILING TO BE PAINTED PNT-5 WITH FLAT FINISH, UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN
9. FACE OF ALL BULKHEADS TO BE PAINTED PNT-5, UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN
10. ALL TOILET PARTITIONS TO BE COLOR-THRU PHENOLIC.
11. REFER TO FLOOR FINISH PLAN FOR FLOORING INSTALL DIRECTION
12. ALL CASEWORK HARDWARE TO BE WIRE PULL UNLESS NOTED OTHERWISE.
13. PROVIDE SCHLUTER JOLLY TRIM PIECE WITH EB FINISH AT ALL EXPOSED TILE EDGES
14 PROVIDE SWF CONTRACT MANUAL ROLLER SHADES ON WINDOWS NOTED ON PLANS, SHADE FABRIC: SHEAR WEAVE 2701
15 FLOORING DIRECTION INDICATED ON PLANS.

FINISH COMMENTS

1. NO FINISH WORK.
2. RUBBER BASE TO BE INSTALLED ON NEW WALL TO MATCH EXISTING.
3 CERAMIC TILE TO BE INSTALLED FLOOR TO CEILING, NO RUBBER BASE TO BE INSTALLED ON WALL.
4 CPT-4 TO BE INSTALLED AS NEEDED WHERE NEW WINDOWS HAVE BEEN INSTALLED.
5 FINISH WORK SHOWN ON A10.3.
6 AWP SHOWN ON A10.2 TO INCLUDED IN ALTERNATE #3.
7 ALTERNATE #2A CEILING TO BE ACT-1.
8 WORK SHOWN IN FINISH SCHEDULE TO BE INCLUDED IN ALTERNATE #1.
9 ALTERNATE #2B CEILING TO BE WDC-1.
10 TREADS AND RISERS TO RECEIVE CPT-1 WITH STC-1 NOSING.

FINISH SCHEDULE - 02 SECOND FLOOR

ROOM #	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING	COMMENTS
C322	OFFICE	CPT-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	8
C323	WEIGHT ROOM	RF-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	8
C331	WEIGHTS/PLYOMETRICS	RF-1	RB-1	PNT-2	PNT-2	PNT-1	PNT-2	ACT-1	
C332	AD OFFICE	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	
C333	OFFICE	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	
C334	STORAGE	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	
C335	STOR.	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	-	
C336	VEST	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	
C338	IT	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	-	
D400	CORRIDOR	CPT-3	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D409	LECTURE ROOM	CPT-3	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D410	ALLIED HEALTH LAB	SV-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D411	NURSE STATION	SV-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D412	LAB	SV-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D413	CLASSROOM	CPT-3	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D416	CNA LAB	SV-1	RB-1	PNT-2	PNT-2	PNT-2	PNT-2	ACT-1	
D417	CLASSROOM	--	--	--	--	--	--	ACT-1	
D418	CLASSROOM	--	--	--	--	--	--	ACT-1	
D419	CLASSROOM	--	--	--	--	--	--	ACT-1	



KEY PLAN
SCALE: NONE
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STATE OF MICHIGAN
KEVIN J SCULLY
ARCHITECT
No. 36337
LICENSED ARCHITECT

CONSTRUCTION DOCUMENTS

ISSUE DATE: 01/26/2024

REVISIONS

NO.	DATE	DESCRIPTION
1	2024/05/31	Addendum 1

FLOOR FINISH PLAN - SECOND LEVEL

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