

Oakton College District 535

Procurement Department, Room 1240
1600 E. Golf Rd., Des Plaines, IL 60016
847-635-1635

Invitation to Bid # TLE-FY27-01 Addendum# 1 & 2

Issue Date: July 8th, 2026

Bid Due Date: July 29th, 2026 at 10:00AM CST

Please use this link to submit your bid:

<https://oakton.sharefile.com/r-r2eb848fd809246b4922bd92c092c03d5>

Late bids will not be accepted.

ADJACENCIES RENOVATION – PHASE 3 BOOKSTORE AND WELCOME CENTER

Interior renovation of the existing bookstore into a new bookstore and Welcome Center, including associated offices, back-of-house support spaces, architectural finishes, casework, and related mechanical, electrical, plumbing, fire protection, and technology improvements at Oakton College's Des Plaines Campus.

Vendors who attended the mandatory Pre-bid meeting:

AGAE
AHAL Construction
Allstate Demo
Apex Construction Group
Bee Liner Lean Services
Boller Construction
Dkersy Construction
Drive Construction
E2general Construction
Exmoor Construction
Happ Builders
Industria Construction
Integrated Demolition
KR Miller
Loberg Construction
MACRC
Maman Corp
National Wrecking
Osman Construction
Powers & Sons Construction
Riley Construction
Slate Demo
Stonehard
Stuckey Construction
Temporary Wall Systems
TW Webber Construction
Company
Tyler Lone Construction, Inc
Video & Sound Inc.

DOCUMENT 00 91 01.1
ADDENDUM NO. 1

Oakton College
Adjacencies Renovations – Phase 3
Chicago, Illinois

FOR

Oakton College
1600 Golf Road,
Des Plaines, Illinois 60016.

1.1 SCOPE

- A. This Addendum is issued pursuant to Article 1.1.1 of the AIA General Conditions of the Contract for Construction (A201) in connection with revision of drawings and specifications which have been previously issued.
- B. When construction is not under contract, all instructions contained herein shall be reflected in the contract sum and this Addendum will be made a part of the Contract Documents, if, as, and when a Contract is awarded.
- C. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 11 JUNE 2026. Receipt of this Addendum must be acknowledged in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.
- D. This Addendum consists of 2 pages, 2 revised Procurement/Contracting Document, 2 new Procurement/Contracting Sections, 3 revised Specification Sections, and 3 revised Contract Document Drawings.

1.2 CHANGES TO THE PROCUREMENT & CONTRACTING REQUIREMENTS GROUP

- A. Revised Document: The attached following listed revised Documents are hereby added to the Project Manual.
 - 1. 00 01 10 Table of Contents
 - 2. 00 41 13 Bid Form
- B. New Document: The attached following listed new Documents are hereby added to the Project Manual.
 - 3. 00 91 01.1 Addendum No. 1
 - 4. 01 23 00 Alternates

1.3 CHANGES TO THE SPECIFICATION GROUP

- A. New Specification Sections: The attached following listed new Specification Sections are hereby made a part of the Contract Documents.
 - 1. None
- B. Revised Specification Sections: The attached following listed revised Specification Sections are hereby made a part of the Contract Documents. Specification sections of the same number and earlier dates and revisions are hereby void.
 - 1. Section 06 41 00 - Architectural Wood Casework: Woodwork Quality Standard Compliance Certificates requirements removed.
 - 2. Section 08 80 00 – Glazing: Updated glass thicknesses to match drawings.
 - 3. Section 10 11 00 – Visual Display Units: Revised list of acceptable manufacturers for porcelain-enamel markerboards.

1.4 CHANGES TO DRAWINGS

- A. Revised Drawings:
 - 1. General:
 - a. G00-00 Cover: Sheet Index Updated
 - 2. Architectural:
 - a. Sheet 09.A45-01
 - 1) Revisions to glazing type designations, Glazing details
 - b. Sheet 09.A62-01
 - 1) Revisions to the Glazing Schedule
 - 3. New Drawings: No new Drawings are hereby made a part of the Contract Documents:

1.5 BIDDER'S QUESTIONS

- A. Bidder's questions and answers from the Architect are attached following this document.

END OF SECTION

**DOCUMENT 00 01 10
TABLE OF CONTENTS**

The complete Project Manual for this project consists of this entire bound volume which is not to be separated for any reason. The Architect and Owner will not be responsible for any assumptions made by a Contractor or Subcontractor who does not receive a complete bound Project Manual containing all sections and documents listed in the Table of Contents.

The following listed documents comprise the Project Manual for the ADJACENCIES RENOVATIONS – PHASE 3. Where numerical sequence of Sections or Divisions is interrupted, such interruptions are intentional.

PROJECT MANUAL

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

00 01 07	Professional Seals Pages
00 01 10	Table of Contents
00 41 13	Bid Form
00 52 13	Standard Form of Agreement Between Owner and Contractor, AIA Document A101, 2017 edition, By Reference
00 61 13	Performance Bond and Payment Bond, AIA Document A312, 2010 Edition, By Reference
00 72 13	General Conditions of the Contract for Construction, AIA Document A201, 2017 Edition, By Reference
00 91 01	Addendum No 1

SPECIFICATIONS GROUP

GENERAL REQUIREMENTS SUBGROUP

DIVISION 01 - GENERAL REQUIREMENTS

01 10 00	Summary
01 13 00	Delegated Design Requirements
01 21 00	Allowances
01 23 00	Alternates
01 22 00	Unit Prices
01 25 00	Substitution Procedures Substitution Request Form
01 26 00	Contract Modification Procedures
01 29 00	Payment Procedures
01 31 00	Project Management and Coordination
01 31 06	Coordination Drawings
01 32 00	Construction Progress Documentation
01 32 33	Photographic Documentation
01 33 00	Submittal Procedures
01 40 00	Quality Requirements

01 42 00	References
01 50 00	Temporary Facilities and Controls
01 60 00	Product Requirements
01 73 00	Execution
01 73 29	Cutting and Patching
01 77 00	Closeout Procedures
01 78 23	Operation and Maintenance Data
01 78 39	Project Record Documents
01 79 00	Demonstration and Training
01 91 13	General Commissioning Requirements

FACILITY CONSTRUCTION SUBGROUP

DIVISION 02 - EXISTING CONDITIONS

02 41 19	Selective Demolition
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DIVISION 03 - CONCRETE

03 54 16	Cement-Based Underlayment
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DIVISION 04 - MASONRY

04 22 00	Concrete Unit Masonry
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DIVISION 05 – METALS

05 12 00	Structural Steel Framing
05 50 00	Metal Fabrications
05 75 03	Decorative Metal Base / Trim

DIVISION 06 - WOOD, PLASTICS & COMPOSITES

06 10 00	Rough Carpentry
06 41 00	Architectural Wood Casework
06 61 16	Solid Surface Fabrications

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 21 00	Building Thermal Insulation
07 84 13	Penetration Firestopping
07 84 43	Joint Firestopping
07 92 00	Joint Sealants

DIVISION 08 – OPENINGS

08 11 13	Hollow Metal Doors and Frames
08 14 16	Flush Wood Doors
08 31 00	Access Doors
08 41 26	All-Glass Entrances and Storefronts

08 71 00	Door Hardware
08 80 00	Glazing
08 87 00	Glazing Surface Films

DIVISION 09 - FINISHES

09 05 61.13	Moisture Vapor Emission Control
09 22 16	Non-Structural Metal Framing
09 27 13	Glass-Fiber-Reinforced Gypsum Fabrications
09 29 00	Gypsum Board
09 51 00	Acoustical Ceilings
09 54 26	Wood Panel Ceilings
09 65 13	Resilient Wall Base
09 65 19	Resilient Tile Flooring
09 66 23	Resinous Matrix Terrazzo Flooring
09 68 13	Carpet Tile
09 91 00	Painting

DIVISION 10 – SPECIALTIES

10 11 00	Visual Display Units
10 22 39	Vertically-Folding Panel Partitions
10 26 10	Wall and Corner Guards
10 44 00	Fire Protection Specialties

DIVISION 12 – FURNISHINGS

12 24 13	Roller Window Shades
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FACILITY SERVICES SUBGROUP

DIVISION 21 - FIRE SUPPRESSION

21 00 00	General Requirements for Fire Suppression
21 05 00	Common Work Results for Fire Suppression
21 05 29	Hangers and Supports for Fire Suppression Piping and Equipment
21 05 53	Identification for Fire Suppression Piping and Equipment
21 13 13	Wet-Pipe Sprinkler Systems

DIVISION 23 – HEATING, VENTILATING AND AIR-CONDITIONING

23 00 00	General Requirements for Heating, Ventilating and Air Conditioning
23 05 00	Common Work Results for HVAC
23 05 29	Hangers and Supports for HVAC Piping and Equipment
23 05 48	Vibration Controls for HVAC Piping and Equipment
23 05 53	Identification for HVAC Piping and Equipment
23 05 93	Testing, Adjusting, and Balancing for HVAC
23 07 13	Duct Insulation
23 09 00	Instrumentation and Control for HVAC
23 09 93	Sequence of Operations for HVAC Controls

23 31 13	Metal Ducts
23 33 00	Air Duct Accessories
23 36 00	Air Terminal Units
23 37 13	Diffusers, Registers, and Grilles

DIVISION 26 – ELECTRICAL

26 00 00	Electrical, General
26 05 00	Common Work Results for Electrical
26 05 19	Low-Voltage Electrical Power Conductors and Cables
26 05 23	Control-Voltage Electrical Power Cables
26 05 26	Grounding and Bonding for Electrical Systems
26 05 29	Hangers and Supports for Electrical Systems
26 05 33	Raceway and Boxes for Electrical Systems
26 05 53	Identification for Electrical Systems
26 09 23	Lighting Control Devices
26 24 16	Panelboards
26 27 26	Wiring Devices
26 28 13	Fuses
26 28 16	Enclosed Switches and Circuit Breakers
26 29 13	Enclosed Controllers
26 43 13	Surge Protective Devices
26 51 00	Interior Lighting

DIVISION 27 – COMMUNICATIONS

27 05 00	Common Work Results for Communications
27 11 00	Communications Equipment Room Fittings
27 13 00	Communications Backbone Cabling
27 15 00	Communications Horizontal Cabling
27 51 16	Public Address System

DIVISION 28 - ELECTRONIC SAFETY & SECURITY

28 05 00	Common Work Results for Electronic Safety and Security
28 05 13	Conductors and Cables for Electronic Safety and Security
28 31 11	Fire-Alarm and Voice-Notification System

END OF DOCUMENT

DOCUMENT 00 41 13

BID FORM

TO: _____
(Name of Owner)

Attn.: _____

PROJECT: _____

FOR: _____
(Name of Facility)

FROM: _____

(Name of Bidder)

DATE: _____

REPRESENTATIONS

The undersigned, in compliance with the Invitation to Bid and Instructions to Bidders for the above referenced Project, having examined the Drawings and Specifications, together with the related Bidding Documents and all conditions surrounding the Work, and having visited the site of the proposed Work, hereby proposes to furnish all work in every detail in accordance with the Bidding Documents within the time set forth herein and at the prices stated below. These prices shall cover all expenses incurred in performing the Work under the Bidding Documents, of which this Bid is a part.

In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

- A. This Bid will remain subject to acceptance for 60 days after the day of the Bid opening;
- B. The Owner has the right to reject this Bid;
- C. Bidder will sign and submit the Agreement, along with the Performance Bond, Payment Bond, and Certificate of Insurance, within 10 days after the date of the Owner's notice of award;
- D. Bidder has carefully examined copies of all the Bidding Documents;
- E. Bidder has visited the site and become familiar with the general, local, and site conditions;
- F. Bidder is familiar with federal, state, and local laws and regulations;
- G. The undersigned is an authorized representative of the Bidder;
- H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the site, reports and drawings identified in

the Bidding Documents and additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.

- I. This Bid is genuine and not made in the interest of or on behalf of an undisclosed person, firm, or corporation and is not submitted in conformity with an agreement or rules of a group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited another Bidder to submit a false or sham Bid; Bidder has not solicited or induced another person, firm, or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself an advantage over another Bidder or over the Owner.

ADDENDA

The undersigned agrees that the following Addenda, which have been issued during the bidding period, have been received and have been considered both before and in the preparation of this Bid:

Addendum No. _____	Date: _____	Initial _____
Addendum No. _____	Date: _____	Initial _____
Addendum No. _____	Date: _____	Initial _____
Addendum No. _____	Date: _____	Initial _____
Addendum No. _____	Date: _____	Initial _____

BASE BID

Having examined the Drawings, Specifications, and all other Bidding Documents for _____ and having examined the premises and circumstances affecting the Work, the undersigned hereby presents the following offer:

OFFER: To furnish all labor, material, tools, equipment, transportation, bonds, all applicable taxes, incidentals, and other facilities, and to perform all Work for the total Base Bid amount of.

_____ Dollars
(in words)

(\$ _____).
(in figures)

(Sums shall be expressed in both words and figures. In case of discrepancy, the amount written in words shall govern.)

ALTERNATES

The undersigned Bidder agrees that the following amounts shall be added to or deducted from the Base Bid, as appropriate for each Alternate that is accepted. Refer to Section 01 23 00: Alternates for description of alternates and procedures for Alternates.

A. Alternate #1: Reuse Existing VAV Boxes Add/Deduct \$_____

UNIT PRICES

The undersigned hereby agrees that each Unit Price submitted represents full compensation for either additions to or deductions from the Contract Sum in the event actual quantities of work in place differ from those indicated in the Contract Documents. Adjustments shall be made in accordance with applicable Division 01 - General Requirements Sections.

A. UNIT PRICE NO. 1 – Water Vapor Emission Control System:
Synthetic Resin Polymer Treatment. ADD per square foot: \$_____

B. UNIT PRICE NO. 2 – Hydraulic Cement Based Underlayment:
ADD per square foot: \$ _____

COMPLETION DATE

The Undersigned, if notified of the acceptance of this Bid within sixty (60) days after the date set for the receipt of Bids, agrees to deliver the required Certificate of Insurance, Performance Bond in the amount of ONE HUNDRED PERCENT (100%) of the proposed Contract Sum for the faithful performance of the Work, and a ONE HUNDRED PERCENT (100%) Payment Bond, and to execute the Agreement within ten (10) days thereafter and, if approved by the Owner, agrees to enter into a contract for the Work for the above-stated Bid Sum.

The Bidder further agrees to begin Work on the Project within seven (7) days after receiving written Notice to Proceed by the Owner, and to achieve Substantial Completion of the Work in not more than _____ consecutive calendar days thereafter.

(To be filled in by Bidder)

This schedule of completion of the Work shall be considered of the essence of the contract, and the Work accordingly shall be substantially complete within the stipulated time, subject to extensions of time as provided in the General Conditions.

BID ACKNOWLEDGEMENT

The undersigned affirms that they are duly authorized to execute this Bid, that this company, corporation, firm, partnership, or individual has not prepared this Bid in collusion with any other bidder, and that the contents of this Bid as to prices, terms, or conditions of said Bid have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this Bid.

Bidder's authorized signature Date

Firm Name: _____

Address: _____

City: _____ State _____

Corporate Seal (if corporation):

Telephone: _____

Facsimile: _____

Email: _____

END OF DOCUMENT

SECTION 01 21 00

ALLOWANCES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Administrative and procedural requirements for the following:
 - 1. Lump-sum allowances.
 - 2. Unit-cost allowances.
 - 3. Quantity allowances.
 - 4. Testing and inspecting allowances.
 - 5. Payment and modification procedures related to allowances.

1.2 RELATED REQUIREMENTS

- A. Section 01 22 00 - Unit Prices for procedures for using unit prices.
- B. Section 01 26 00 - Contract Modification Procedures for change orders incorporating allowances.
- C. Section 01 29 00 - Payment Procedures for incorporating alternates into the Schedule of Values.
- D. Section 01 40 00 - Quality Requirements for procedures governing the use of allowances for testing and inspecting.
- E. Section 01 60 00 - Product Requirements for product selection procedures.
- F. Divisions 02 through 51 Sections for items of Work covered by Allowances.

1.3 DEFINITIONS

- A. Allowance: An amount established in the contract documents to include in the total contract price intended to cover the cost of prescribed items that are not specified in enough detail.

1.4 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.5 SUBMITTALS

- A. Action Submittals:
 - 1. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.
- B. Informational Submittals:
 - 1. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
 - 2. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.6 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.7 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed.

1.8 TESTING AND INSPECTING ALLOWANCES

- A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.
- B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labor to assist the testing agency shall be included in the Contract Sum.
- C. Costs of services not required by the Contract Documents are not included in the allowance.
- D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.9 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
 - 3. Submit substantiation of a change in scope of work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 01 – Lump-Sum Allowance: Include the sum of \$2.00/sq ft for preparation of the existing slab for installation of new flooring
 - 1. This allowance includes material cost, receiving, handling, installation, and Contractor overhead and profit.

- B. Allowance No. 02 – Lump-Sum Allowance: Include the sum of \$75,000 for the relocation of existing power panel. Reference drawing 9.E04-01, Electrical Demolition Note #10 regarding power pane IL-12-EM and reference drawing 9.E10-01, Electrical Plan Note #5 regarding power panel IL-12-EM. For the work described in both of these notes, the contractor will include an allowance for the removal, relocation and replacement of this power panel.
 - 1. This allowance includes material cost, receiving, handling, installation, and Contractor overhead and profit.
- C. Allowance No. 03 – Lump-Sum Allowance: Include the sum of \$5.50/sq ft for reinstallation of existing fire alarm cabling in conduit, support for electrical boxes and conduit, reinstallation of free-air wiring serving light fixtures in conduit, tracing existing wiring from panels to update panel directories.
 - 1. This allowance includes material cost, receiving, handling, installation, and Contractor overhead and profit.

END OF SECTION

SECTION 01 23 00

ALTERNATES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: Amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. Cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Acceptance of Alternates: Alternates will be reviewed and accepted or rejected at Owner's option. Execute accepted alternates under the same conditions as other work of the Contract.
 - 1. Owner Review Time: Provide 30 days for Owner review and decision of acceptance or rejection of Alternates.
- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Add Alternate No. 1 – Reuse existing salvaged VAV boxes as indicated on mechanical drawings.
 - 1. Base Bid: Provide all new VAV boxes in base bid.
 - 2. Add Alternate: Remove new VAV boxes and reuse as indicated from base bid.
 - 3. References:
 - a. Drawing: Sheets 09.M04-01
 - b. Specifications: None

END OF SECTION

SECTION 06 41 00

ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.1 SUMMARY

- A. Custom fabricated plastic-laminate-clad casework, including the following:
 - 1. Casework Fabrications:
 - a. Freestanding casework.
 - b. Countertops.
 - c. Base and wall cabinets.
 - d. Built-in casework.
 - 2. Hardware, accessories, and trims for complete fabrication and installation.
 - 3. Wood furring, blocking, shims, and hanging strips for installing architectural casework that are not concealed within other construction.
 - 4. Site installation.
- B. Related Requirements:
 - 1. Rough carpentry: Section 06 10 00.
 - 2. Glazing: Section 08 80 00.
 - 3. Plastic-laminate countertops: Section 12 36 23.
 - 4. Solid surface countertops: Section 06 61 16.

1.2 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that paneling can be installed as indicated.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Literature:
 - 1. Manufactured materials description, manufacturer's catalog cut sheets of casework/cabinet hardware indicating model numbers and finishes of each item used in fabrication.
 - 2. Manufacturer's literature for fire retardant treated materials.
- B. Shop Drawings: Submit shop drawings showing location of each item, dimensioned plans and elevations, large scale details, hardware, finishes, anchors and other components. Indicate compliance with specified standards and other specified requirements for materials and workmanship.

- C. Samples: Samples will be reviewed for appearance and finish only. Compliance with other requirements is the exclusive responsibility of the Contractor.
 - 1. Submit sample chains of plastic laminate and cabinet liner for color and pattern selection by Architect.
 - 2. Cabinet/Casework Hardware: Each item specified used in the fabrications, in finish indicated herein.

1.5 INFORMATIONAL SUBMITTALS

- A. Certification:
 - 1. Copies of certificate signed by the Fabricator/Installer, certifying that the work complies with the quality standards, grades and other requirements as referenced and specified herein.
 - 2. Signed by manufacturers certifying that products furnished comply with fire resistive requirements.
 - 3. ~~Woodwork Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.~~

1.6 QUALITY ASSURANCE

- A. Fabricator/Installer:
 - 1. Provide custom casework, finishing and installation executed only by a custom casework fabricator/installer skilled and experienced in highest quality custom casework and which can furnish satisfactory evidence to the Architect as to recent installations of similar type and quality.
 - 2. The custom casework fabricator/installer is to have a minimum of 5 consecutive years experience in the type and quality of casework shown on the Drawings and specified herein.
 - 3. ~~Shop is a certified participant in AWI's Quality Certification Program.~~
 - 4. ~~Installer is a certified participant in AWI's Quality Certification Program.~~
- B. Reference Standards: Comply with the applicable provisions for grading and workmanship of the Architectural Woodwork Institute (AWI), latest standards, herein referred to as Standards, except as otherwise specified.
- C. Fire Test Response Characteristics: Where fire retardant materials or products are indicated or required by authorities having jurisdiction, provide materials and products with specified fire test response characteristics as determined by testing identical products per test method indicated by UL, ITS, or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify with appropriate markings of applicable testing and inspecting agency in the form of separable paper label or, where required by authorities having jurisdiction, imprint on surfaces of materials that will be concealed from view after installation.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Protect casework during transit, delivery, storage and handling to prevent damage, soiling and deterioration.

- B. Do not deliver casework until painting, wet work, grinding and similar operations which could damage, soil or deteriorate casework has been completed and the HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period in installation areas.
- C. If, due to unforeseen circumstances, casework must be stored in other than installation areas, store only in area which meet the requirements specified for installation areas.

1.8 PROJECT/SITE CONDITIONS

- A. Environmental Requirements: Do not install casework until the required temperature and relative humidity have been stabilized in installation areas. Condition casework to average prevailing humidity and temperature conditions in installation areas prior to installing.
- B. Coordination:
 - 1. Coordinate design, fabrication and assembly of casework fabrications with other materials, elements, equipment and fabrications that are attached to, installed in, or are part of the completed installation.
 - 2. Verify dimensions and field conditions and review shop drawings of other trades, equipment and fabrications which attached to, in, or a part of the complete installation to assure proper fit, finish and function of the completed installation.
- C. Field Measurements: Where casework is indicated to be fitted to other construction, check actual dimensions of other construction by accurate field measurements before manufacturing casework; show recorded measurements on final shop drawings. Coordinate manufacturing schedule with construction progress to avoid delay of work.
 - 1. Where field measurements cannot be made without delaying the Work, guarantee dimensions and proceed with manufacture of casework without field measurements. Coordinate other construction to ensure that actual dimensions correspond to guaranteed dimensions.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Plastic Laminate: Comply with requirements of Publication No. LD 3 by the National Electrical Manufacturers Association (NEMA) for General Purpose Type (HGS and VGS), nominal 0.048 inch thick and Postforming Type (HGP and VGP), nominal 0.038 inch thick, solid color laminates, Grade CC (Matte), nominal 0.034 inch thick. Colors, patterns and texture selected by the Architect with a maximum of 3 colors being utilized in the plastic laminate fabrications from samples of the following manufacturers:
 - 1. Formica Corporation, Cincinnati, OH 45241.
 - 2. Lamin-Art, Schaumburg, IL 60173.
 - 3. Nevamar, Panolam Industries, Shelton, CT 06484
 - 4. Pionite Decorative Surfaces, Auburn, ME 04210.

5. Wilsonart LLC, Temple, Texas 76503.
6. Abet Inc., Englewood, NJ 07631.
- B. Cabinet Liner: Plastic laminate manufacturer's standard products complying with CLS/-72.
- C. Thermoset Decorative Overlay Cabinet Liner: Surface of thermally fused, melamine impregnated decorative paper complying with LMA SAT-1 over specified medium density particleboard.
- D. Backing Sheet: Plastic laminate manufacturer's standard products complying with BKS/-91.
- E. Adhesives:
 1. Do not use adhesives that contain urea formaldehyde
 2. Fire Retardant Treated Materials: Resorcinol.
- F. Casework/Cabinet Construction Materials: Provide materials that comply with requirements of the Standards for each type of woodwork and quality grade indicated and, where the following products are part of woodwork, with requirements of the referenced product standards, that apply to product characteristics indicated:
 1. Hardboard: ANSI/AHA A135.4.
 2. Medium Density Particleboard: ANSI A208.1.
 3. Medium Density Fiberboard: ANSI A208.2, Grade MD.
 4. Medium Density Fiberboard: Industrial Grade Medium Density Fiberboard (MDF), manufactured with a formaldehyde-free adhesive system which meets the requirements of ANSI A208.2, Grade 150, as manufactured by one of the following:
 - a. Flakeboard Company Limited
 - b. McKillican International, Inc.
 - c. Sierrapine Ltd.
 5. Softwood Plywood: PS 1
 6. Medium Density Overlay: 3/4 inch thick plywood, APA Grade MDO.
 7. Internal Wood Framing and Blocking: Appearance Grade, 15 percent maximum moisture content, MC-15 or KD on grade stamp.
- G. Wall mounted shelf supports: Surface mounted Heavy-Duty pilaster type slotted steel standards and brackets as shown in drawings, minimum 16-ga BHMA Grade 2 Compliant. "KV 183 Series" (Knappe & Vogt) or similar.
- H. Cabinet Hardware:
 1. Open Adjustable Shelf Supports:
 - a. Adjustable Shelf Supports: Heavy duty slotted steel, BHMA B84102.
 - 1) Garco No. 649.
 - 2) Knappe & Vogt No. 87.
 - 3) Capitol Hardware A-Line.
 - b. Caps: Provide manufacturer's standard caps at top and bottom of surface mounted standards which do not abut other surfaces.
 2. Flush Mounted Adjustable Pilaster Shelf Supports: Flush mounted pilaster type slotted steel standards, comply with BHMA B84072.
 - a. Garco Nos. S373 and A73.
 - b. Knappe & Vogt Nos. 255 and 239.
 - c. Capitol Hardware A-Line.

3. Shelf Brackets: Provide heavy duty double and triple hooked steel brackets, BHMA B84112. Provide shelf rests.
 - a. Garcy Nos. 796 and M796.
 - b. Knape & Vogt No. 186 and 187.
 - c. Capitol Hardware A-Line.
4. Shelf End Support Clips: Steel supports with rubber cushions.
 - a. Garcy No. FE286 & FE28
 - b. Capitol Hardware A-Line No. 77 & No. 109.
 - c. Knape & Vogt No. 256R ZN.
5. Side Pair Drawer Slides: BHMA B85062, 75 lb. rated (per pair) ball-bearing nylon rollers, 1/2 inch wide units, commercial grade, full extension.
 - a. Grant No. 346.
 - b. Knape & Vogt No. 1330.
 - c. Accuride C3832 Series.
6. Concealed Hinges: Recessed cup and pivot type, 110 degree swing, self-closing, built-in horizontal and vertical adjustment.
 - a. Blum No. BH73B3590.
 - b. Grass Tiomos No. 160.
 - c. Hafele No. 345-47-665, Plate No. 349-32-646.
7. Aluminum Trims and Channel Reveals: Extruded aluminum accessories.
 - a. Manufacturers:
 - 1) Fry Reglet Corp.
 - 2) Gordon, Inc.
 - 3) Pittcon Industries.
 - b. Finish: Clear anodized.
 - c. Dimensions: As indicated.
 - d. Profiles: As selected by Architect.
8. Pulls: Solid brass, rod type, 5/16 inch diameter, 7/8 inch finger clearance, 4 inch screw centers, finish BHMA 626 satin chrome.
 - a. Colonial Bronze No. 753.
 - b. EPCO No. MC-4024.
 - c. Stanley No. 4483.
9. Recessed Pulls: Mockett DP156-SSS.
10. Magnetic Cabinet Catches: BHMA, B43142, B43152 or B43162 (type as applicable) aluminum case, commercial grade.
11. Heavy Duty Magnetic Catches: BHMA B43172, aluminum case, commercial grade, 11.0 lbs. minimum test pull (door 16 inch wide and wider).
12. Drawer and Cupboard Locks: Mortise type, 5-pin tumbler and dead bolt, round cylinder only exposed, brass with plated finish to match BHMA 626. Provide on each unit.
13. Countertop Wire Control Grommets: Plastic grommet with spring loaded cover, color selection by Architect to match counter plastic laminate, one of the following:
 - a. Doug Mockett & Co., Flip-Top, Manhattan Beach, CA 90266.
 - b. Hafele America, CO., No. 429.99.324 (black), Archdale, NC 27263.
 - c. Hardware Concepts, Inc., No. PL6200, Opa Locka, FL 33054.

14. Finish for Exposed Cabinet Hardware: Except as otherwise indicated, provide the following finish for exposed hardware: BHMA 626 satin chrome. For items not available in required finish, provide finish selected by Architect from those available. If more than one finish is indicated, match finish of hardware items on each set of casework as indicated.

2.2 FIRE RETARDANT TREATED MATERIALS

- A. General: Where indicated, use materials impregnated with fire retardant chemical formulations indicated by a pressure process or other means acceptable to authorities having jurisdiction to produce products with fire test response characteristics specified.
 1. Use treated material that complies with requirements of Standards. Do not use materials that are warped, discolored, or otherwise defective.
 2. Use fire retardant treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants in solution to distinguish treated material from untreated material.
 3. Identify fire-retardant-treated materials with appropriate classification marking of qualified testing agency in the form of removable paper label or imprint on surfaces that will be concealed from view after installation.
- B. Fire Retardant Treated Lumber and Plywood by Non-Pressure Process: Apply nontoxic, water soluble, fire retardant treatment by dip, spray, roller, curtain coating, vacuum chamber, or soaking to achieve flame spread rating of 25 or less and smoke developed rating of 450 or less per ASTM E 84.
- C. Fire Retardant Treated Lumber and Plywood by Nonpressure Process: Apply nontoxic, water soluble, fire retardant treatment by dip, spray, roller, curtain coating, vacuum chamber, or soaking to achieve flame spread rating of 25 or less and smoke developed rating of 450 or less per ASTM E 84 and that contains no added urea formaldehyde.
- D. Fire Retardant Particleboard (For use with hardwood veneer): Panels complying with the following requirements, made from softwood particles, synthetic resins and fire retardant chemicals mixed together at time of panel manufacture to achieve flame spread rating of 25 or less and smoke developed rating of 200 or less per ASTM E 84 and that contains no added urea formaldehyde.
 1. For panels 3/4 inch thick and less, comply with ANSI A208.1-2009, Grade M-3 except for the following minimum properties: density, 45 lb/cu. ft; modulus of rupture, 1,600 psi; modulus of elasticity, 300,000 psi; internal bond, 80 psi; and screw holding capacity on face and edge, 250 lbf and 225 lbf, respectively.
 2. Products: Subject to compliance with requirements, provide one of the following:
 - a. "Duraflake FR" (Flakeboard Company Limited).
 - b. "Pyroblock Plus" (McKillican International, Inc.).
 - c. "Encore FR" (Sierrapine Ltd.).
- E. Fire Retardant Fiberboard (Do not use with hardwood veneer): Medium density fiberboard panels complying with ANSI A208.2, made from softwood fibers, synthetic resins, and fire retardant chemicals mixed together at time of panel manufacture to achieve flame spread rating of 25 or less and smoke developed rating of 200 or less per ASTM E 84 and that contains no added urea formaldehyde.

1. Product: Subject to compliance with requirements, provide one of the following:
 - a. "Vesta FR" (Flakeboard Company Limited).
 - b. "Purekor" (McKillican International, Inc.).
 - c. "Medite FR" (Sierrapine Ltd.).

2.3 FABRICATION OF CASEWORK

- A. Examine conditions and verify dimensions at the project site. Fabrication and/or installation of the casework and related elements constitutes acceptance of the existing conditions.
- B. Not all details of casework are shown on the Drawings. The fabricator is to utilize the most advantageous manufacturing process to achieve the quality of casework indicated herein by the referenced Standards and the details shown on the Drawings.
- C. Plastic-Laminate-Clad Casework:
 1. Grade: AWI Premium Grade, Section 10, Type A construction, except as follows.
 2. Face Construction: Flush overlay type, except as otherwise indicated on the Drawings or specified herein (drawer front, doors and fixed panels conceal casework behind).
 3. Thickness and Style: As shown, or if not shown, provide minimum 3/4 inch thick medium density particleboard: counters, doors, drawer fronts and fixed panels, except where required to be thicker by standards or as shown on the Drawings; provide flush design units.
 4. Edges of Door, Drawers and Face Frame: Plastic laminate matching exposed surfaces. Ease exposed edges of overlap sheet.
 5. Backs of Doors: Plastic laminate matching exposed surfaces.
 6. Backs of Plastic Laminate Components (Except Doors): Provide full backer sheets.
- D. Counters:
 1. Counter Construction: 3/4 inch thick, phenolic resin sealed medium density particleboard compatible with laminate adhesives, with full backer sheets, as shown on Drawings, or if details not shown, comply with standards and provide 4 inch high backsplash and endsplash, top mounted square butt joints, fully covered with matching plastic laminate, eased edges.
 2. Exposed Counter Edges:
 - a. Plastic laminate matching surface, except as otherwise indicated. Ease exposed edges of overlap sheet.
 - b. Hardwood or veneer matching veneer surface, except as otherwise indicated. Ease exposed edges of overlap veneer.
 - c. When show on the Drawings, fabricate counters and counter edges using postforming plastic laminate to form rounded counter edges.
 3. Counter Splashes:
 - a. Fabricate counters with backsplashes and sidesplashes. Fabricate to thicknesses and heights shown on the Drawings. If not shown provide minimum 4 inch high x 3/4 inch thick backsplashes and sidesplashes with exposed surface covered with plastic laminate.

- b. When show on the Drawings, fabricate counters and splashes using postforming plastic laminate to form integral counter splash cove.
- 4. Openings:
 - a. Cut openings for equipment to be installed. Comply with equipment manufacturer's requirements, but provide internal corners of 1/8 inch minimum radius. Smooth saw cut and ease edges.
 - b. Seal cut edges of counter at openings for sinks and other wet equipment, using waterproofing compound recommended by plastic manufacturer and compatible with laminating adhesive.
- E. Shop fabricate casework to the greatest extent possible, disassemble only as necessary for delivery and installation.
- F. Install hardware at the shop prior to delivery. Remove hardware for finish application and reinstall after finishing.
- G. Fabricate with scribes to fit to abutting construction.

PART 3 EXECUTION

3.1 PREPARATION

- A. Verify measurements at the project site and provide any necessary closures and trim to fit the items to enclosing walls and construction. Provide other trades with information necessary for proper completion of related work. Installation of casework and related construction constitutes acceptance of the existing conditions.
- B. Condition casework to average prevailing humidity conditions in installation areas prior to installing.

3.2 INSTALLATION

- A. Install architectural wood casework in compliance with Standards.
- B. Install plumb, level, true and straight with no distortions. Shim as required using concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches. Install with no more than 1/16 inch in 96-inch vertical cup or bow and 1/8 inch in 96-inch horizontal variation from a true plane.
- C. Where architectural wood casework abuts other finished work, scribe and cut for accurate fit. Before making cutouts, drill pilot holes at corners.
- D. Attach architectural wood casework securely in place with uniform joints providing for thermal and building movements. Secure to anchors or blocking built in or directly attached to substrates.
- E. Provide tops fabricated in largest sizes practical. Assemble in field with splines for alignment and drawn tight to hairline contact with tight joint fasteners.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective architectural wood casework, where possible, to eliminate defects. Where not possible to repair, replace paneling. Adjust for uniform appearance.
- B. Clean architectural wood casework on exposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

3.4 PROTECTION

- A. Protection: protect installed architectural wood casework, and finishes from damage. Maintain temperature/humidity conditions during the remainder of the construction period in areas of architectural wood casework installation.

END OF SECTION

SECTION 08 80 00

GLAZING

PART 1 GENERAL

1.1 SUMMARY

- A. Glass and glazing **accessories**.
- B. Related Sections:
 - 1. Rough carpentry: Section 06 10 00.
 - 2. Building thermal insulation Section 07 21 00.
 - 3. Joint Sealants: Section 07 92 00.
 - 4. Hollow steel doors and windows: Section 08 11 13.
 - 5. Flush wood doors: Section 08 14 16.
 - 6. All-Glass entrances and storefront: Section 08 41 26.
 - 7. Glazing Surface Films: Section 08 87 00.

1.2 PERFORMANCE REQUIREMENTS

- A. General: Provide glazing systems capable of withstanding normal thermal movement, and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
- B. Manufacturer's Engineering Analysis: For glass for exterior openings, the glass manufacturer is to perform wind load and thermal stress analyses and is to demonstrate compliance of glass with performance requirements.
- C. Glass Design: Glass thicknesses indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing project loads and in-service conditions. Provide glass lites for various size openings in nominal thicknesses indicated, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria:
 - 1. Glass Thicknesses: Select minimum glass thicknesses to comply with ASTM E 1300, according to the following requirements:
 - a. Impact Loads For Interior Installations: Per applicable code or herein referenced industry standard.
 - 2. Maximum Lateral Deflection: For the following types of glass supported on four edges, provide thickness required that limits center deflection at design wind pressure to 1/50 times the short side length or 1 inch, whichever is less.
 - a. For monolithic glass lites heat treated to resist wind loads.
 - b. For laminated glass lites.

1.3 ACTION SUBMITTALS

- A. Product data.
- B. Samples for Verification:
 - 1. 12 inch x 12 inch samples of each type glass.
 - 2. Color samples of glazing sealant selected.

1.4 INFORMATIONAL SUBMITTALS

- A. Manufacturer's Literature: Materials description and installation instructions for glazing materials.
- B. Design Calculations: Provide design calculations showing conformance with the specified performance requirements prepared and certified by the glass manufacturer.
- C. Compatibility and Adhesion Test Report: Submit copies of statement from sealant manufacturer indicating that glass and glazing materials have been tested for compatibility and adhesion with glazing sealants and interpreting test results relative to material performance, including recommendations for primers and substrate preparation needed to obtain adhesion.
- D. Warranties: Signed copies of insulating glass units, coated and laminated glass and unframed mirror warranties.

1.5 QUALITY ASSURANCE

- A. Comply with the following:
 - 1. GANA Publications: GANA's - Glazing Manual.
 - 2. Glazing Material: FS DD-G-451D and ASTM C 1036.
 - 3. Glass Coating: ASTM C 1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Glass.
 - 4. Safety Glazing: ASTM C 1048, ASTM C 1172, ANSI Z97.1, U.S. Consumer Product Safety Commission Standard 16 CFR 1201 CI and CII, and GANA'S - Glazing Manual and Laminated Glass Design Guide.
- B. Unless otherwise shown or governed by other referenced standards specified, conform with details and procedures of GANA Glazing Manual, (National Glass Association).
- C. Installer Qualifications: An experienced installer, as evidenced by a minimum of 5 consecutive years experience, and who has completed glazing similar in material, design, and extent to that indicated for project and whose work has resulted in construction with a record of successful in-service performance.
- D. Source Limitations:
 - 1. Laminated Glass: Obtain laminated glass units from one manufacturer using the same type of glass lites and interlayers for each type of unit indicated.
 - 2. Tempered Glass: Obtain tempered glass units from one manufacturer using the same type of glass and tempering process for units.

- E. In the event of a conflict between specified standards or references the more stringent or greater is to take precedent and be the one utilized for the design and installation.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver glazing materials to project site in manufacturer's unopened containers, fully identified with trade name, color, size, hardness, type, class and grade. Store each item in accordance with manufacturer's instructions. Immediately remove from the job site damaged or otherwise unsuitable material, when so ascertained.

1.7 WARRANTY

- A. Laminated Glass: Provide a written 5 year warranty from date of manufacture for laminated glass. Warranty covers deterioration due to normal conditions of use and not to handling, installing, and cleaning practices contrary to the glass manufacturer's published instructions.
- B. The above warranties are in addition to, and not a limitation of, other rights the Owner may have under the Contract Documents.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Clear Float Glass: Complying with ASTM C 1036, Type I, Class 1, Quality Q3, thickness as shown or specified.
 - 1. Products:
 - a. Guardian, clear glass.
 - b. Pilkington Libbey-Owens-Ford (LOF), clear glass.
 - c. Vitro Architectural Glass, clear glass.
- B. Fully Tempered Clear Float Glass: Complying with ASTM C1048, Class 1 Clear, Condition A (uncoated); Quality-Q3, thickness as shown or specified.
 - 1. Fully tempered glass at doors and adjacent lites, where shown on Drawings, where specified, and where required by code.
 - 2. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
 - 3. For clear or low-iron glass 1/4 to 3/8-inch thick without ceramic frit or ink, maximum + or – 100 mD (millidiopter) over 95 percent of the glass surface.
 - 4. Maximum peak to valley rollerwave 0.003" (0.08mm) in the central area and 0.008-inches (0.20mm) within 10.5-inches (267mm) of the leading and trailing edge.
- C. Clear Laminated Glass: Complying with ASTM C 1172, two layers of tempered or heat strengthened clear glass laminated with clear polyvinyl butyral (PVB) interlayer, thickness as indicated determined by the glass manufacturer to comply with the specified performance requirements. Provide interlayer by one of the following:
 - 1. "Trosifol" (Kuraray America, Inc.).

2. "Saflex" (Eastman Chemical Company).
- D. Glazing Tape: Polyisobutylene/Butyl, complying with ASTM C 1281:
 1. Dap, Inc., Butyl Rubber Tape.
 2. Pecora Corporation, G-66 or BB-50.
 3. Tremco, Tremco 400 Tape.
- E. Setting Blocks: Neoprene blocks, 70 to 90 Type A durometer hardness.
- F. Spacers: Neoprene blocks, 40 to 50 Type A durometer hardness, 3 inches long, self-adhesive on one face only.
- G. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

2.2 HEAT TREATED TEMPERED AND HEAT STRENGTHENED GLASS

- A. Provide tempered and heat strengthened glass horizontally heat treated in accordance with FS DD-G-1430B. Fabricate tempered and heat strengthened glass units so that roll distortion lines are parallel to the bottom edge of the glass units and the bottom or sill of the glazing pocket into which the glass unit is being installed.
- B. Provide heat treated glass complying with ASTM C 1048 for the following:
 1. Kind HS: Heat strengthened.
 2. Kind FT: Fully tempered.

2.3 CHANNELS

- A. Aluminum channel:
 1. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B221 (ASTM B221M), Alloy 6063-T5.
 2. Aluminum Thickness: minimum 1/8 inch.
 3. Dimensions: As indicated on Drawings.
 4. Finish: Anodize or powder coat as selected by Architect.

2.4 GLAZING SEALANTS

- A. Provide products of type indicated, complying with the following requirements:
 1. Compatibility: Select glazing sealants that are compatible with one another and with other materials they will contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
 2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
 3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range.

2.5 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.
- C. Grind smooth and polish exposed glass edges and corners.

2.6 GLAZING SCHEDULE

- A. **Glass Type GL-1 (~~Laminated Monolithic~~): Clear ~~laminated glass with two plies of~~ fully tempered safety float glass.**
 - 1. **Overall thickness: ~~3/8~~1/2-inch.**
 - 2. **Minimum thickness of each glass ply: ~~3mm.~~**
 - 3. **Minimum Interlayer thickness: ~~0.060 inches (1.52 mm).~~**
 - 4. **Interlayer pattern: ~~Match Architect's Samples.~~**
 - 5. Safety Glazing required.
- B. Glass Type GL-2 (Monolithic): 3/8-inch clear glass, fully tempered.

PART 3 EXECUTION

3.1 PREPARATION

- A. Examine surfaces to receive the parts of the work specified herein. Verify dimensions of in-place and subsequent construction. Application or installation of materials constitutes acceptance of the related construction.

3.2 INSTALLATION - GENERAL

- A. Employ only experienced glazers who have had previous experience with the materials and systems being applied. Use tools and equipment recommended by the glass manufacturer.
- B. Measure openings and cut glass accurately to fit each opening with minimum edge clearances and bite on glass as specified by GANA. If glass is to be cut to size at project site deliver each piece to project at least 2 inches larger (in both dimensions) than required, so as to facilitate the cutting of clean cut edges without necessity of seaming or nipping. Do not seam, nip or abrade tempered glass at the job site.
- C. Maintain a minimum temperature of 40 deg F during glazing unless the manufacturer of the glazing materials specifically agrees to application of his materials at lower temperatures. If job progress or other conditions require glazing work when temperatures are below 40 deg F (or below minimum temperature recommended by the manufacturer), consult the manufacturer and establish the minimum provisions required to ensure satisfactory work. Record in writing to the manufacturer, with copy to the Architect, the conditions under which such glazing work proceeds and the provisions made to ensure satisfactory work.

- D. Clean glazing stops and rabbets to receive glazing materials of obstructions and deleterious substances which might impair the work. Remove protective coatings which might fail in adhesion or interfere with bond of sealants. Comply with manufacturer's instructions for final wiping of surfaces immediately before application of primer and glazing sealants or tapes.
- E. Prime surfaces to receive glazing sealants in accordance with manufacturer's recommendations, using recommended primers. Test materials and surfaces for adhesion of sealants.
- F. Inspect each piece of glass immediately before installation. Do not install pieces which have significant impact damage at edges, scratches or abrasion of faces or any other evidence or damage.
- G. Locate setting blocks at the quarter points of sill but no closer than 6 inches to corners of glass. Use blocks of proper size to support the glass in accordance with manufacturer's recommendations.
- H. Provide spacers for glass to separate glass from stops, except where continuous gaskets or tape are required. Locate spacers 36 inches o.c. maximum inside and out, with a minimum of 2 spacers per edge of glass. Provide thickness equal to sealant or compound thickness shown. Provide width as required for minimum of 3/8 inch bite on glass at edges.
- I. Set glass in a manner which produces greatest possible degree of uniformity in appearance. Face glass, which has dissimilar faces, with matching faces in the same direction. Set glass with bow (if any) to exterior.
- J. Install tempered and heat strengthened glass units with the roll distortion parallel to the bottom or sill glazing pocket in accordance with the glass manufacturer's recommendations for the type of glass installation.
- K. Do not use glazing materials from different sources in the same joint system unless the manufacturer of each material has stated in writing that his material is fully compatible with the other material.
- L. Install glass flooring with frame clearances recommended by the glass flooring manufacturer.
- M. Use masking tape or other suitable protection to limit coverage of glazing materials to the surfaces intended for sealants.
- N. Glazing Tape:
 - 1. Butt or lap ends of sealant tape in accordance with the manufacturer's recommendations.
 - 2. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.
 - 3. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
 - 4. Where framing joints are vertical, cover these joints by applying tapes to heads and sills first and then to jambs. Where framing joints are horizontal, cover these joints by applying tapes to jambs and then to heads and sills.
 - 5. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.

- 6. Do not remove release paper from tape until just before each glazing unit is installed.
- O. Clean excess sealant from glass and framing members immediately after application, using solvents or cleaners recommended by manufacturers.

3.3 GASKET GLAZING (DRY)

- A. Install glass units in curtain walls, windows, doors, sidelites, interior glazing channels and metal framed skylights using curtain wall, glazing channel, window door or skylight manufacturer's standard extruded glazing gaskets and strips installed in accordance with manufacturer's printed installation instructions.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- D. Install gaskets so they protrude past face of glazing stops.

3.4 PROTECTION AND CLEANING

- A. Protect glass from breakage immediately upon installation. Use streamers or ribbons suitably attached to framing and held free of glass. Do not apply warning markings directly to the glass.
- B. Remove and replace glass which is broken, cracked, chipped or damaged in any way and from any source, including weather, vandalism and accidents during the construction period.
- C. Maintain glass in a reasonably clean condition during construction so that it will not become stained and will not contribute to the deterioration of glazing materials.
- D. Wash and polish glass on both faces just prior to final acceptance. Comply with instructions and recommendations of glass manufacturer and glazing materials manufacturer for cleaning in each case.

END OF SECTION

SECTION 10 11 00
VISUAL DISPLAY UNITS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Porcelain-enamel markerboard panels.
- B. Tackboard panels.

1.2 SUBMITTALS

- A. Action Submittals:
 - 1. Product Data: For each type of product.
 - a. Include construction details, material descriptions, dimensions of individual components and profiles, finishes, and accessories for visual display units.
 - 2. Shop Drawings: For visual display units.
 - a. Include plans, elevations, sections, details, and attachment to other work.
 - b. Show locations of panel joints. Show locations of field-assembled joints for factory-fabricated units too large to ship in one piece.]
 - c. Show locations and layout of special-purpose graphics.
 - d. Include sections of typical trim members.
 - 3. Samples: For each type of visual display unit indicated.
 - a. Visual Display Panel: Not less than 8-1/2 by 11 inches (215 by 280 mm), with facing, core, and backing indicated for final Work. Include one panel for each type, color, and texture required.
- B. Informational Submittals:
 - 1. Qualification Data: For Installer.
 - 2. Product Test Reports: For each visual display unit, for tests performed by manufacturer and witnessed by a qualified testing agency.
 - 3. Sample Warranties: For manufacturer's special warranties.
- C. Closeout Submittals:
 - 1. Maintenance Data: For visual display units to include in maintenance manuals.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Deliver factory-fabricated visual display units completely assembled in one piece. If dimensions exceed maximum manufactured unit size, or if unit size is impracticable to ship in one piece, provide two or more pieces with joints in locations indicated on approved Shop Drawings.

1.4 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install visual display units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

1.5 WARRANTY

- A. Special Warranty for Porcelain-Enamel Face Sheets: Manufacturer agrees to repair or replace porcelain-enamel face sheets that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Surfaces lose original writing and erasing qualities.
 - b. Surfaces exhibit crazing, cracking, or flaking.

PART 2 PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Flame-Spread Index: 25 or less.
 - 2. Smoke-Developed Index: 450 or less.

2.2 PORCELAIN-ENAMEL MARKERBOARD PANELS

- A. Manufacturers:
 - 1. A-1 Visual Systems.
 - 2. AJW Architectural Products.
 - 3. Claridge Products and Equipment, Inc.
 - 4. Ghent Manufacturing, Inc.
 - 5. Marsh Industries, Inc.
 - 6. Peter Pepper Products, Inc.
 - 7. PolyVision Corporation.
 - 8. **MooreCo, Inc.**
- B. Porcelain-Enamel Markerboard Panels: Balanced, high-pressure, factory-laminated markerboard assembly of three-ply construction, consisting of moisture-barrier backing, core material, and porcelain-enamel face sheet with low-gloss finish. Laminate panels under heat and pressure with manufacturer's standard, flexible waterproof adhesive.
 - 1. Face Sheet Thickness: 0.013 inch (0.33 mm) minimum uncoated base metal thickness.
 - 2. Manufacturer's Standard Core: Minimum 1/4 inch (6 mm) thick, with manufacturer's standard moisture-barrier backing.
 - 3. Laminating Adhesive: Manufacturer's standard moisture-resistant thermoplastic type.

4. Color: White.
 5. Field or factory fabricated.
 6. Corners: Square.
 7. Width: As indicated on Drawings.
 8. Height: As indicated on Drawings.
 9. Mounting Method: Direct to wall.
- C. Aluminum Frames and Trim: Fabricated from not less than 0.062-inch- (1.57-mm-) thick, extruded aluminum; standard size and shape.
1. Aluminum Finish: Clear anodic finish.
- D. Joints: Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints, as indicated on approved Shop Drawings.
- E. Marker Tray: Manufacturer's standard; continuous.
1. Solid Type: Extruded aluminum with ribbed section and smoothly curved exposed ends.

2.3 TACKBOARD PANELS

- A. Manufacturers:
1. A-1 Visual Systems.
 2. AJW Architectural Products.
 3. Claridge Products and Equipment, Inc.
 4. Ghent Manufacturing, Inc.
 5. Marsh Industries, Inc.
 6. Peter Pepper Products, Inc.
 7. PolyVision Corporation.
- B. Tackboard Panel: Natural-cork tackboard panel on manufacturer's standard core.
1. Fabric Wrapped Edge: Wrap edge of tackboard panel with fabric facing.
 2. Color and Pattern: As indicated by manufacturer's designations.
 3. Facing: 1/4-inch- (6-mm-) thick, natural cork.
 4. Facing: Vinyl fabric factory laminated to 1/4-inch- (6-mm-) thick, cork sheet.
 5. Field or factory fabricated.
 6. Corners: Square.
 7. Width: As indicated on Drawings.
 8. Height: As indicated on Drawings.
 9. Mounting Method: Direct to wall.
- C. Aluminum Frames and Trim: Fabricated from not less than 0.062-inch- (1.57-mm-) thick, extruded aluminum; standard size and shape.
1. Aluminum Finish: Clear anodic finish.
- D. Joints: Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints, as indicated on approved Shop Drawings.

2.4 MATERIALS

- A. Porcelain-Enamel Face Sheet: PEI-1002, with face sheet manufacturer's standard two- or three-coat process.

- B. Natural-Cork Sheet: Seamless, single-layer, compressed fine-grain cork sheet; bulletin board quality; face sanded for natural finish; with surface-burning characteristics indicated.
- C. Extruded Aluminum: ASTM B221 (ASTM B221M), Alloy 6063.
- D. Adhesives for Field Application: Mildew-resistant, nonstaining adhesive for use with specific type of panels, sheets, or assemblies; and for substrate application; as recommended in writing by visual display unit manufacturer.
 - 1. Adhesives shall have a VOC content of 50 g/L or less.
- E. Primer/Sealer: Mildew-resistant primer/sealer complying with requirements in Section 09 91 23 - Interior Painting and recommended in writing by visual display unit manufacturer for intended substrate.

2.5 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM AMP 500-06 for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances, such as dirt, mold, and mildew, that could impair the performance of and affect the smooth, finished surfaces of visual display boards.
- C. Prepare surfaces to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, defects, projections, depressions, and substances that will impair bond between visual display units and wall surfaces.

- D. Prime wall surfaces indicated to receive visual display units and as recommended in writing by primer/sealer manufacturer and visual display unit manufacturer.
- E. Prepare recesses for sliding visual display units as required by type and size of unit.

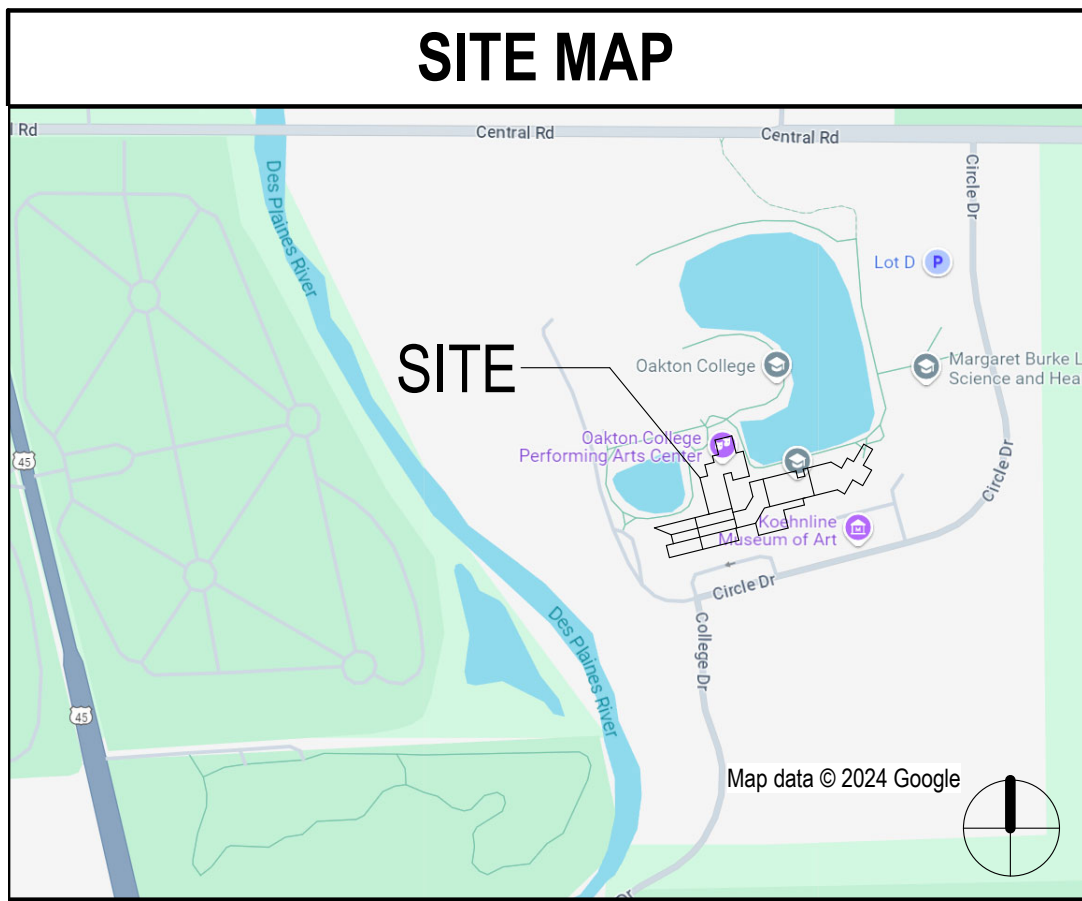
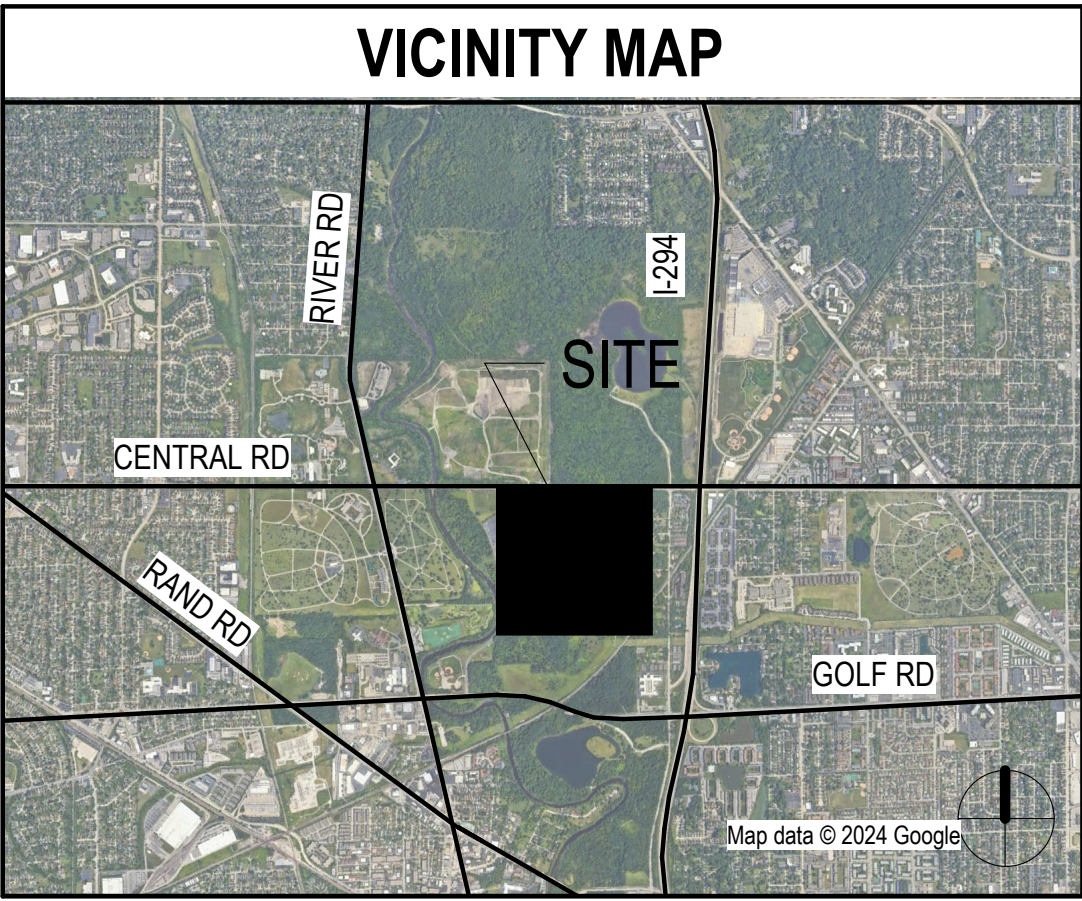
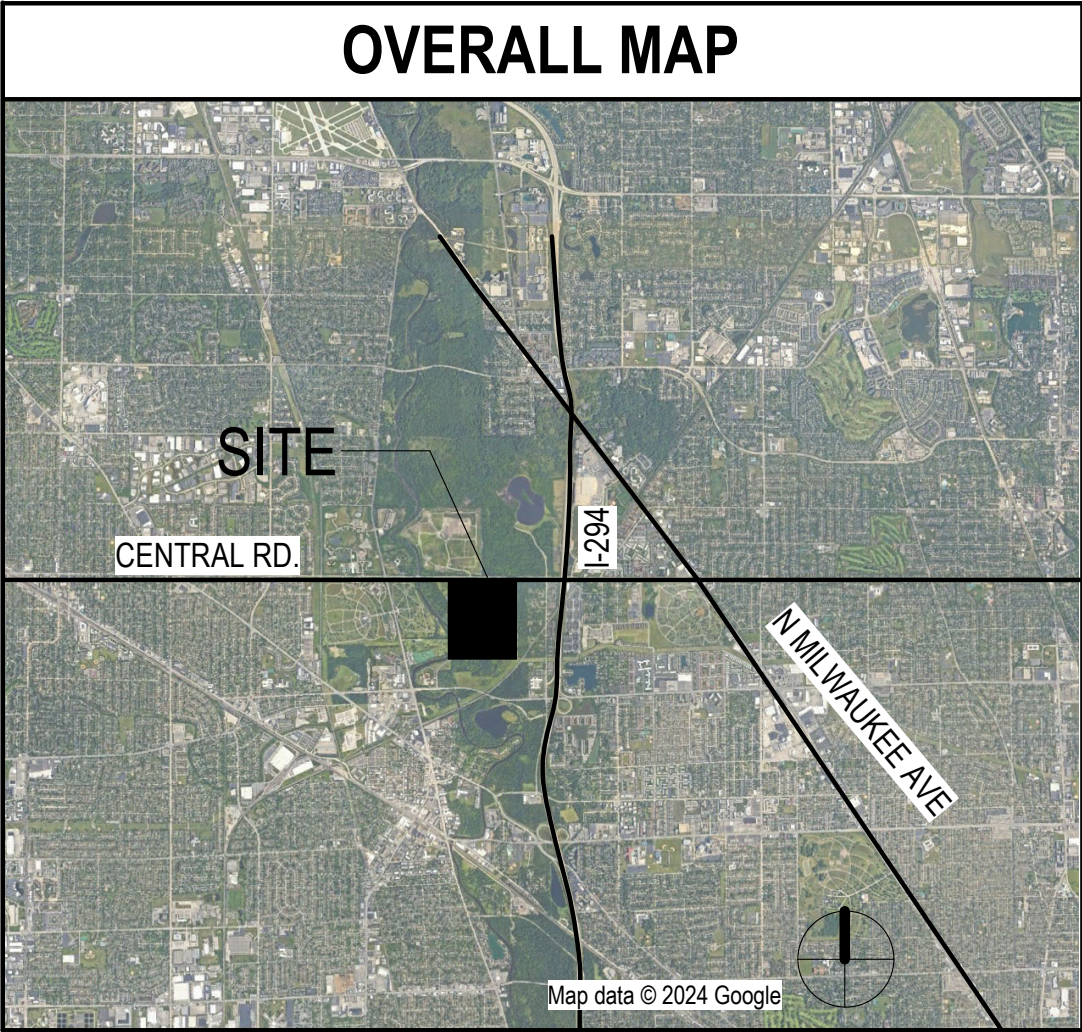
3.3 INSTALLATION

- A. General: Install visual display units in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.
- B. Visual Display Board Units: Attach concealed clips, hangers, and grounds to wall surfaces and to visual display board assemblies with fasteners at not more than 16 inches (400 mm) o.c. Secure tops and bottoms of boards to walls.
 - 1. Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints, balanced around center of board, as acceptable to Architect.
 - 2. Where size of visual display board units or other conditions require support in addition to normal trim, provide structural supports or modify trim as indicated or as selected by Architect from manufacturer's standard structural support accessories to suit conditions indicated.
- C. Visual Display Board Unit Mounting Heights: Install visual display units at mounting heights indicated on Drawings.

3.4 CLEANING AND PROTECTION

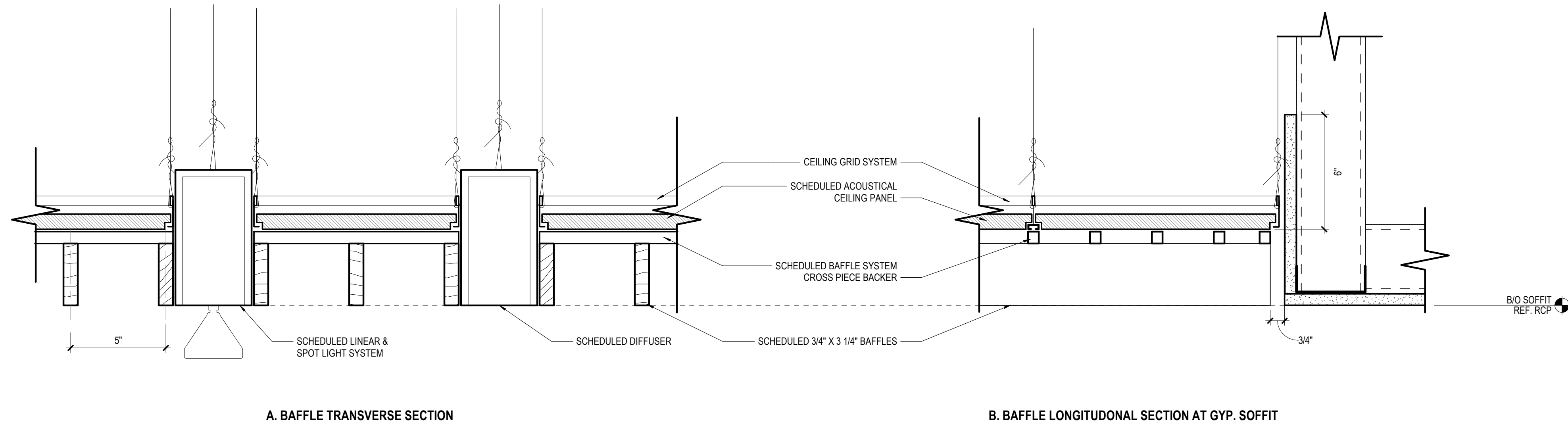
- A. Clean visual display units in accordance with manufacturer's written instructions. Attach one removable cleaning instructions label to visual display unit in each room.
- B. Touch up finishes to restore damaged or soiled areas.
- C. Cover and protect visual display units after installation and cleaning.

END OF SECTION



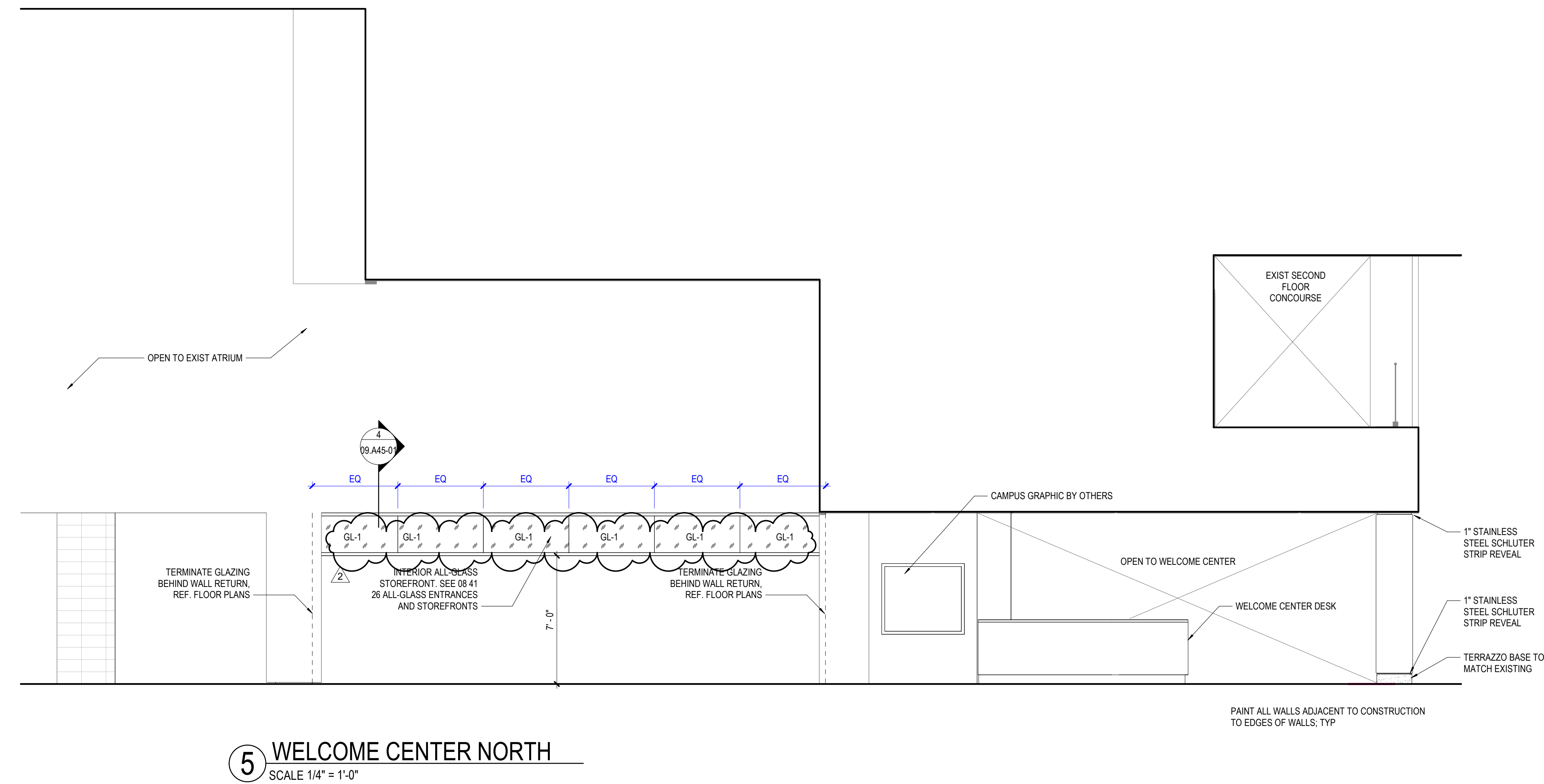
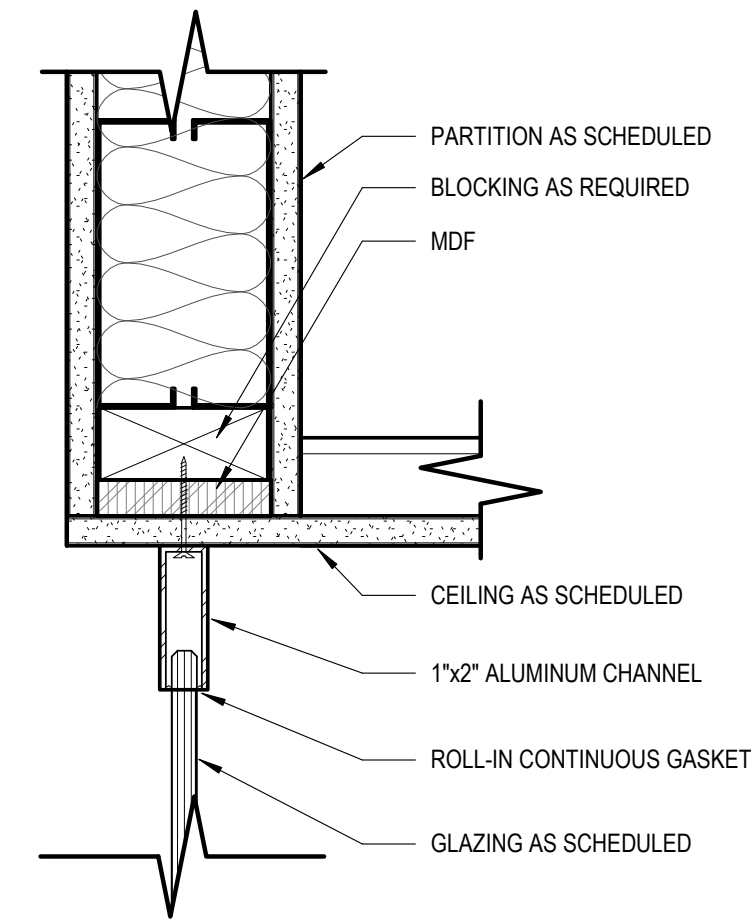
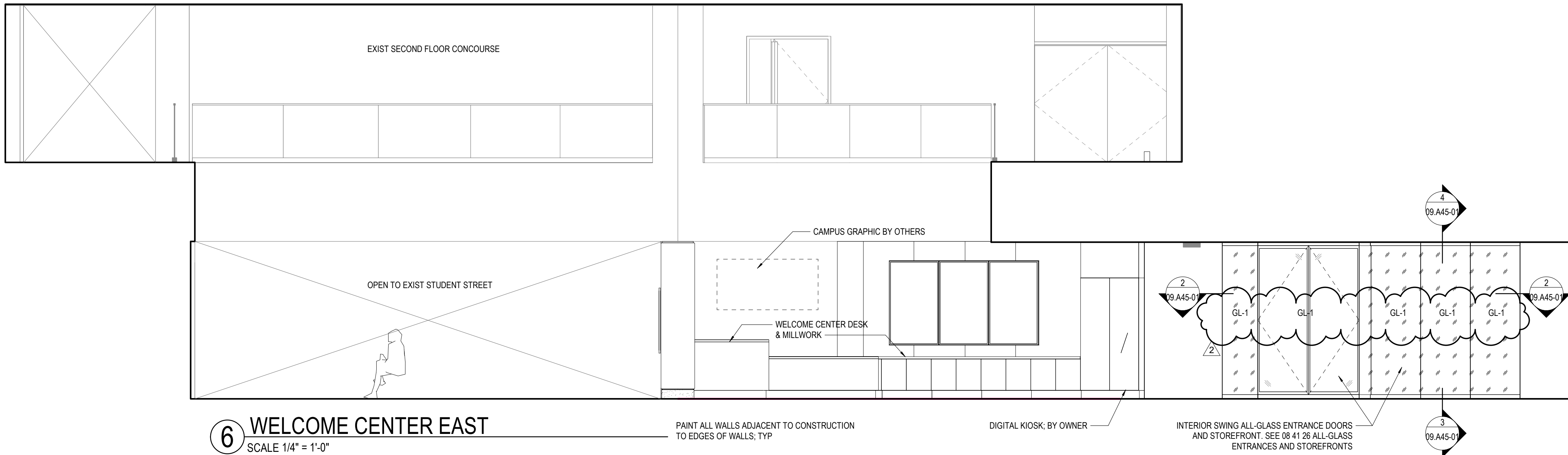
SHEET INDEX - PHASE 2B			
SHEET NUMBER	SHEET NAME	ISSUE FOR PERMIT	ADDENDUM NO 1
01-GENERAL			
09 G00-01	COVER	*	*
09 G01-02	CODE COMPLIANCE DATA	*	
04-ARCHITECTURAL			
09 A04-01	DEMOLITION PLAN	*	
09 A04-02	DEMOLITION REFLECTED CEILING PLAN	*	
09 A11-01	ARCHITECTURAL FLOOR PLAN	*	
09 A12-01	REFLECTED CEILING PLAN	*	
09 A15-01	FURNITURE & SIGNAGE PLAN	*	
09 A45-01	INTERIOR ELEVATIONS & DETAILS	*	*
09 A50-01	CASEWORK ELEVATIONS & DETAILS	*	
09 A61-01	INTERIOR PARTITION TYPES & DETAILS	*	
09 A62-01	FINISH SCHEDULE, DOOR SCHEDULE, LITES AND DETAILS	*	*
05-STRUCTURAL			
09 S0-01	GENERAL NOTES	*	
09 S1-01	SECOND FLOOR PLAN	*	
09 S2-01	SECTIONS AND DETAILS	*	
06-PLUMBING			
09 FP10-01	FIRE PROTECTION PLAN	*	
07-MECHANICAL			
09 M04-01	MECHANICAL DEMOLITION PLAN	*	
09 M10-01	MECHANICAL PLAN	*	
09 M20-01	GENERAL MECHANICAL NOTES	*	
09 M20-02	MECHANICAL SCHEDULES AND DETAILS	*	
08-ELECTRICAL AND LOW VOLTAGE			
09 E04-01	ELECTRICAL DEMOLITION PLAN	*	
09 E06-01	LIGHTING DEMOLITION PLAN	*	
09 E10-01	ELECTRICAL NEW WORK PLAN	*	
09 E10-02	ELECTRICAL EQUIP- NEW WORK PLAN	*	
09 E10-03	LOW VOLTAGE NEW WORK PLAN	*	
09 E12-01	LIGHTING NEW WORK PLAN	*	
09 E31-01	ELECTRICAL SCHEDULES	*	
09 E31-02	LIGHT FIXTURE SCHEDULE	*	
09 E41-01	LIGHTING SEQUENCE OF OPERATION - BACK OF HOUSE AREA	*	
09 E41-02	LIGHTING SEQUENCE OF OPERATION - BOOKSTORE AND WELCOME CENTER	*	
09 E51-01	FIRE ALARM NOTES AND DETAILS	*	
09 E61-01	GENERAL NOTES AND DETAILS	*	
09 E71-01	TECHNOLOGY NOTES AND DETAILS	*	
09 E71-02	TECHNOLOGY NOTES AND DETAILS	*	

OWNER	ARCHITECT	MECH., PLUMBING, ELEC., LOW VOLTAGE, & FIRE PROTECTION ENGINEERING
OAKTON COLLEGE 1600 E. GOLF RD. DES PLAINES, IL 60016	PERKINS AND WILL 410 N. MICHIGAN AVE. STE. 1600 CHICAGO, IL 60611 DESIGN FIRM #: 184000338-0001	MECHANICAL SERVICES ASSOCIATES, CORP. 111 S. VIRGINIA ST. CRYSTAL LAKE, IL 60014 DESIGN FIRM #: 184001504-0002
		STRUCTURAL
		RUBINOS & MESIA ENGINEERS, INC. 200 S MICHIGAN AVE UNIT 1500, CHICAGO, IL 60604 DESIGN FIRM #:



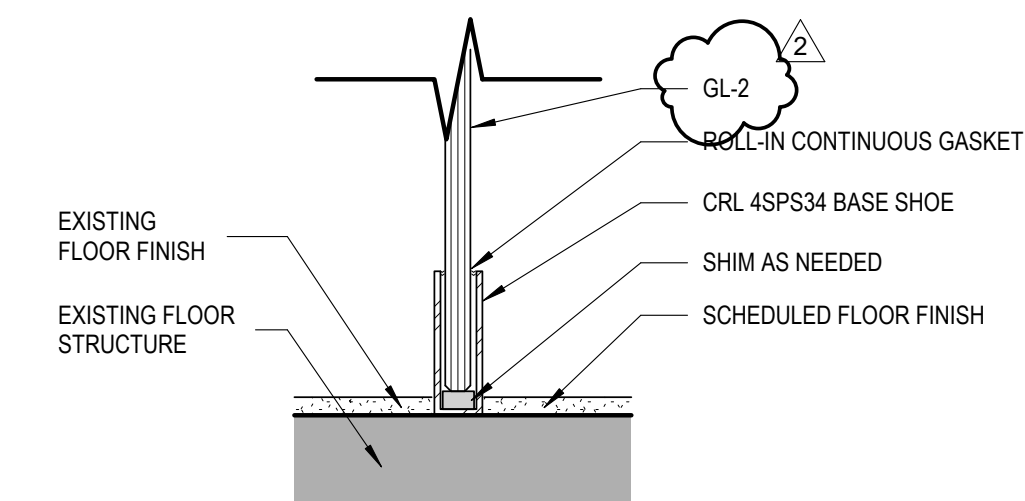
7 TYPICAL WOOD BAFFLE DETAILS

SCALE 3" = 1'-0"



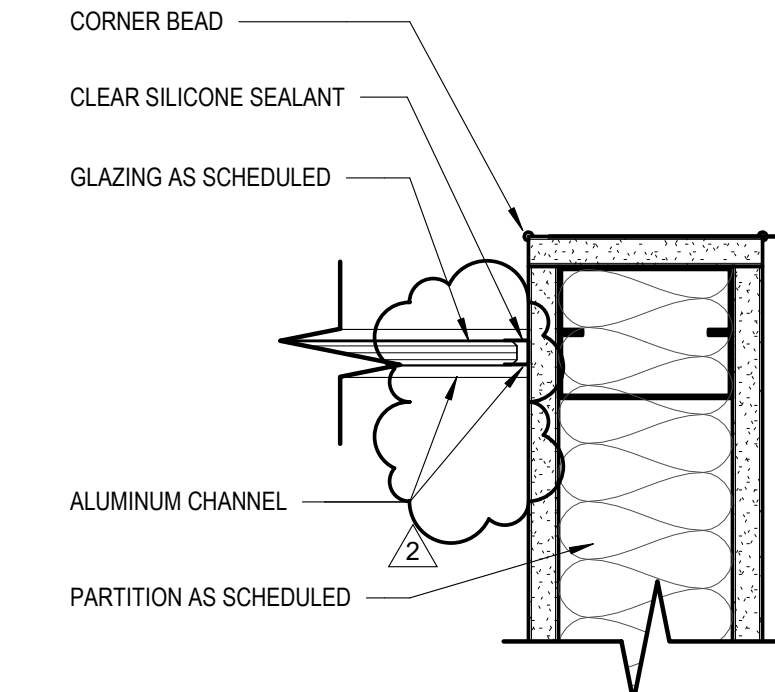
4 TYP HEAD DETAIL GLASS PARTITION

SCALE 3" = 1'-0"



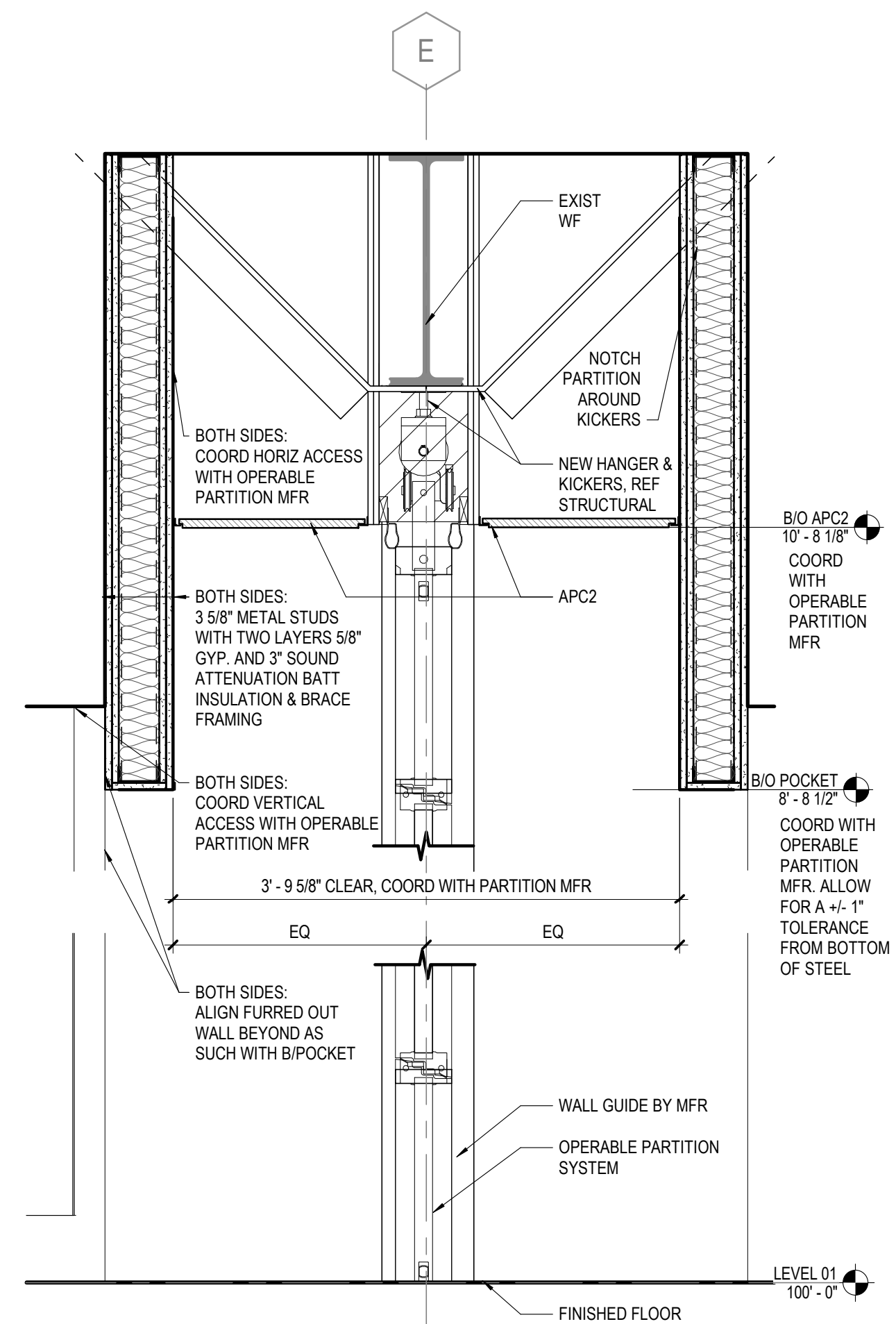
3 BASE DETAIL GLASS PARTITION

SCALE 3" = 1'-0"



2 TYP PLAN DETAIL GLASS PARTITION

SCALE 3" = 1'-0"



1 SECTION AT OPERABLE PARTITION

SCALE 1" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

- SEE ELECTRICAL FOR ELECTRICAL OUTLET, DATA OUTLET AND JUNCTION BOX SPECIFICATIONS. OUTLETS ARE SHOWN HERE FOR PLACEMENT COORDINATION ONLY.
- REFER TO 11.A00-01 FOR MOUNTING HEIGHTS

- TA-1 EQUIPMENT TAG REFER TO 11.A00-01 FOR LEGEND AND 11.A00-01 FOR MOUNTING HEIGHTS.
- WXX CASEWORK TAG
- GL-1 GLAZING TAG, REFER TO 11.A62-01

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1500, CHICAGO, IL 60604

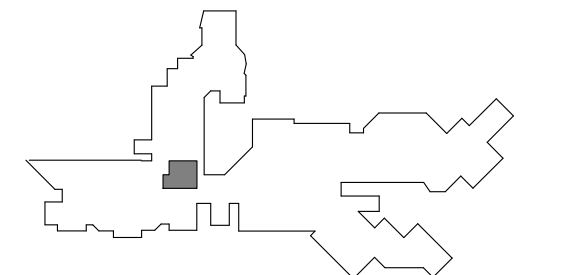
PROJECT ADJACENCIES RENOVATION - PHASE 3 - BOOKSTORE AND WELCOME CENTER

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016



ISSUED FOR BID AND PERMIT APRIL 24, 2026

KEY PLAN



ISSUE CHART

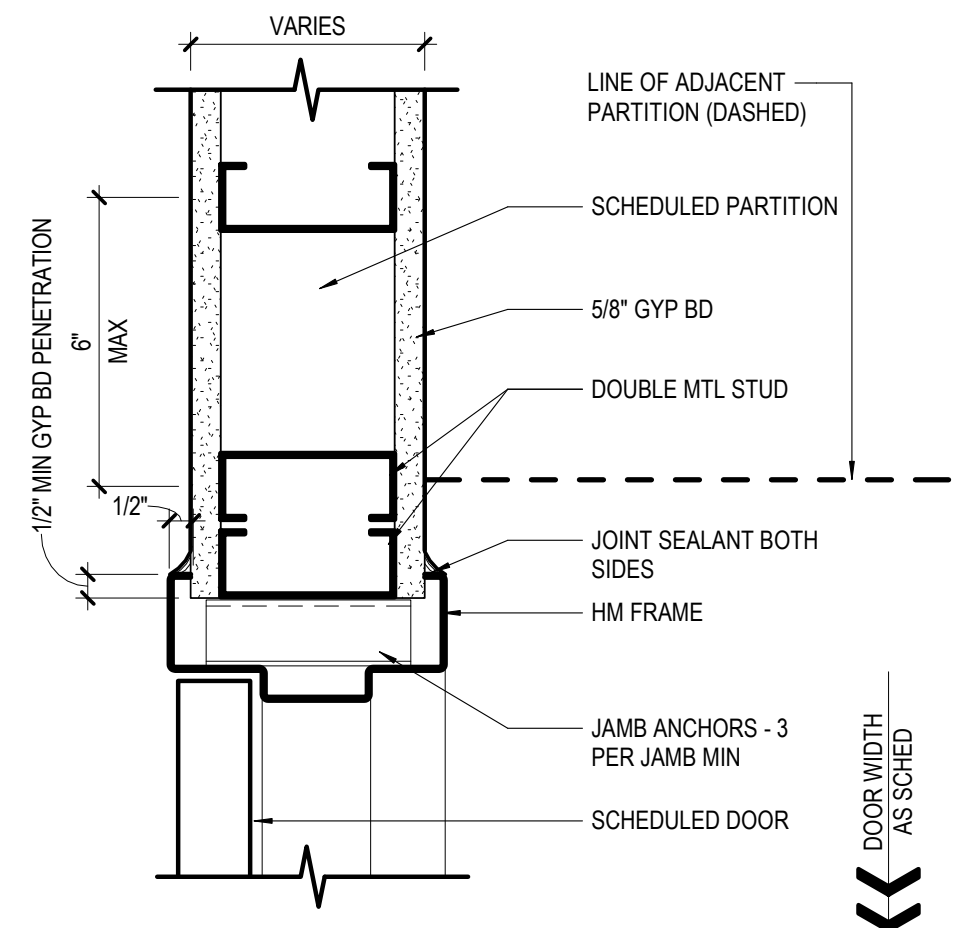
NO.	DATE	DESCRIPTION
2	009 ADDENDUM 01	21 JULY 26
1	009 ISSUED FOR BID AND PERMIT	20 APR 26
1	ISSUE	DATE
Job Number	021075.000	TITLE

INTERIOR ELEVATIONS & DETAILS

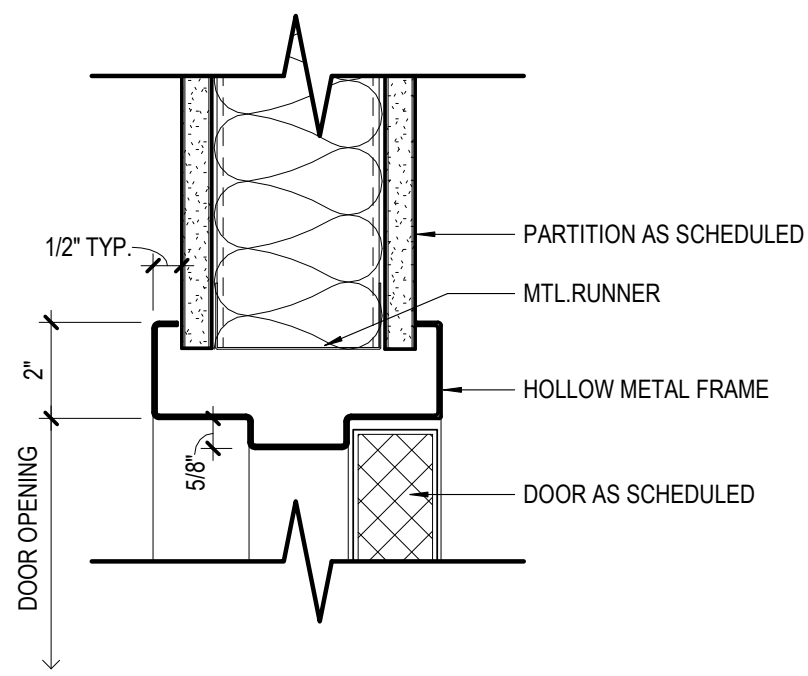
SHEET NUMBER

09.A45-01

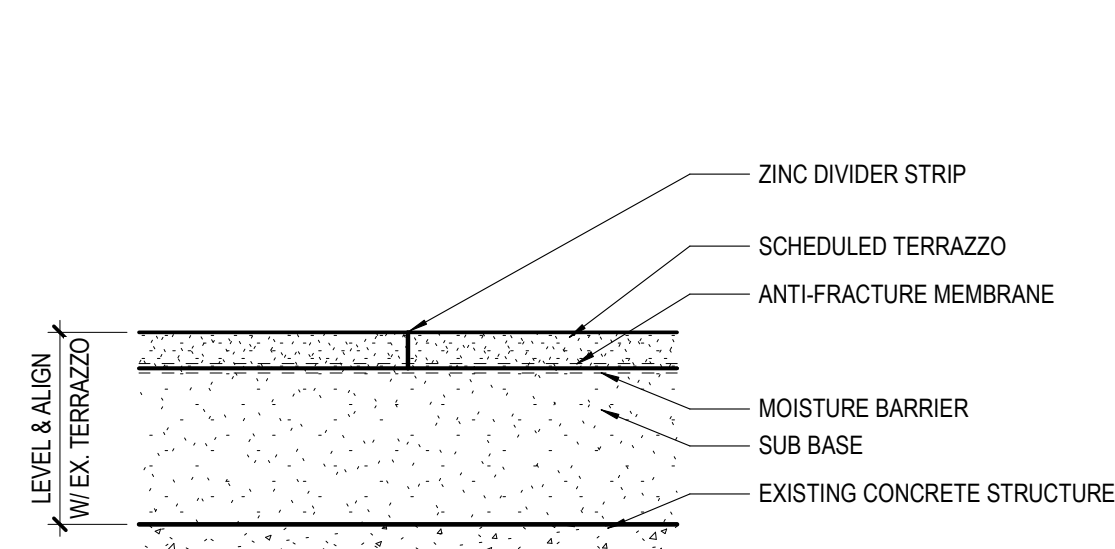
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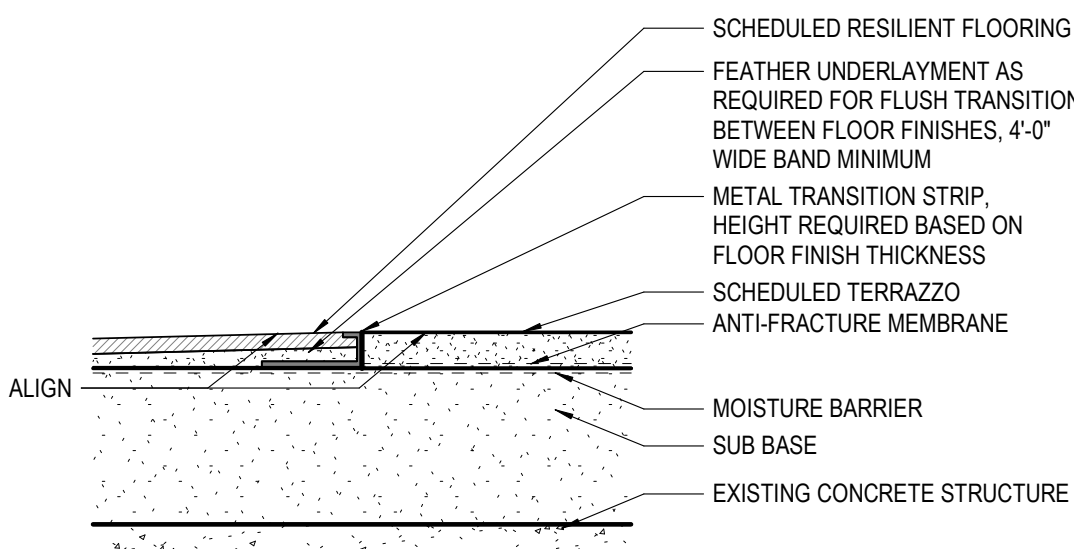
1 DETAIL - HM DOOR JAMB, TYP.
SCALE 3" = 1'-0"



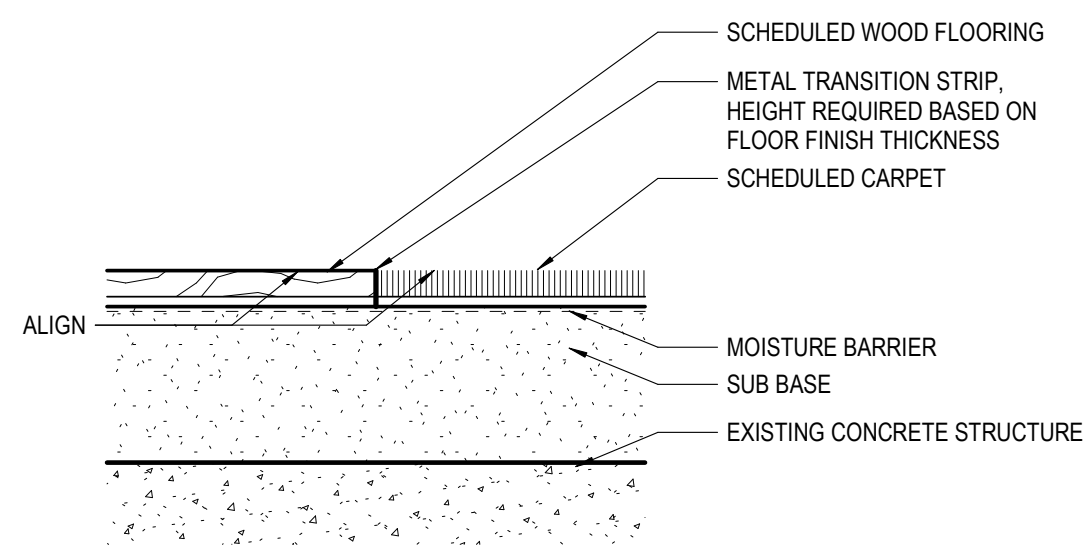
2 DETAIL - HM FRAME HEAD, TYP.
SCALE 3" = 1'-0"



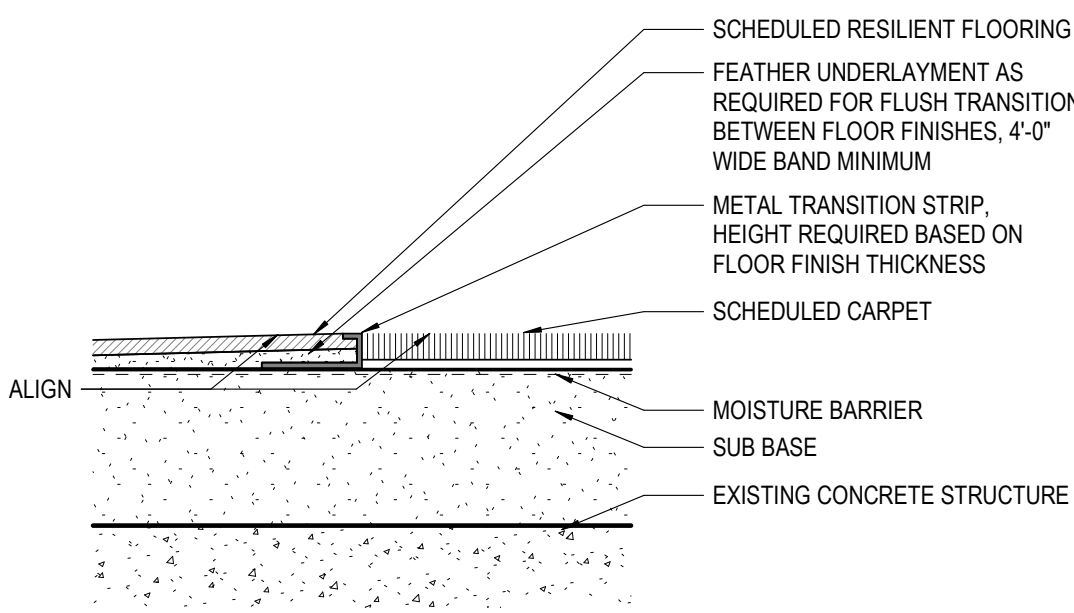
A. TERRAZZO CONTROL JOINT ASSEMBLY



B. TERRAZZO TO LVT



C. CARPET TO WOOD FLOOR



D. CARPET TO RESILIENT FLOOR

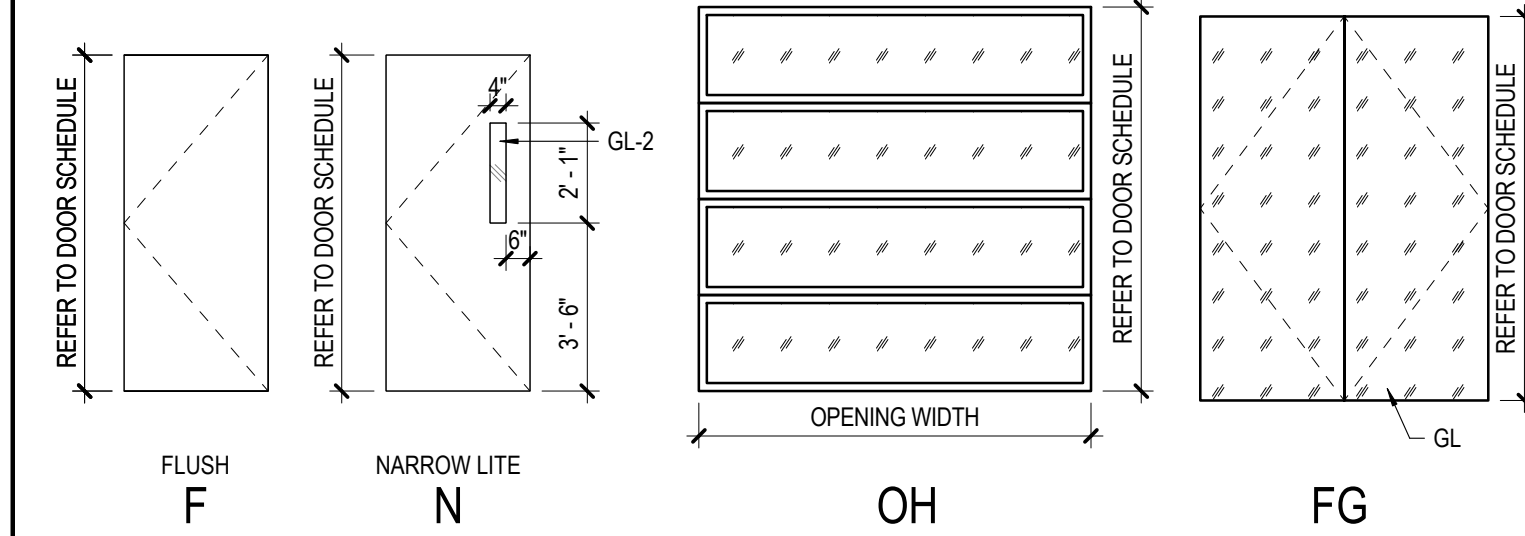
3 TYP. FLOORING TRANSITIONS
SCALE 6" = 1'-0"

DOOR SCHEDULE - ADJACENCIES RENOVATIONS BOOKSTORE AND WELCOME CENTER											
ROOM NUMBER	ROOM NAME	FIRE RATING	OPENING SIZE		DOOR			FRAME			REMARKS
			WIDTH	HEIGHT	TYPE	MATL	FINISH	TYPE	MATL	FINISH	
1160.A	BOOKSTORE		6'-0"	8'-10"	FG	GL	-	-	GL	-	1.00
1170.A	BOOKSTORE BACK OF HOUSE		3'-0"	7'-0"	F	HM	PNT	F1	HM	PNT	2.00
1170.B	BOOKSTORE BACK OF HOUSE		3'-0"	7'-0"	F	WD	PREFIN	F2-18	HM	PNT	2.01
1171.A	BOOKSTORE MANAGER SHARED OFFICE		3'-0"	7'-0"	F	WD	PREFIN	F2-18	HM	PNT	3.00
1171.B	BOOKSTORE MANAGER SHARED OFFICE		3'-0"	7'-0"	F	WD	PREFIN	F2-18	HM	PNT	3.01
1172.A	SENIOR MANAGER		3'-0"	7'-0"	F	WD	PREFIN	F2-18	HM	PNT	3.01
1173.A	BOOKSTORE BACK OF HOUSE		3'-0"	7'-0"	F	HM	PNT	F1	HM	PNT	4.00

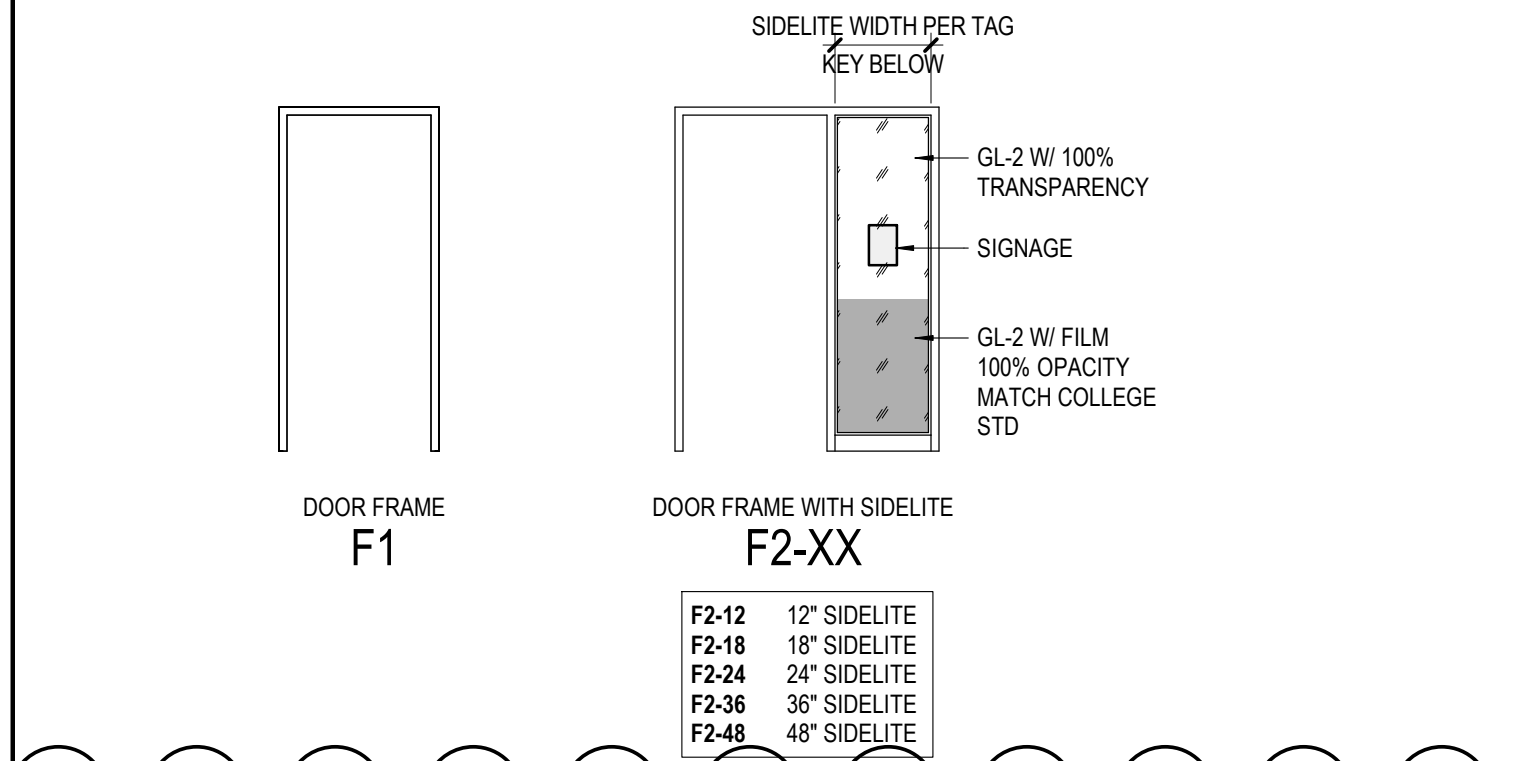
DOOR SCHEDULE GENERAL NOTES

- GLAZING IN FIRE RESISTANCE RATED DOORS SHALL MATCH THE FIRE RESISTANCE RATING OF THE DOOR.
- ALL DOORS TO HAVE BOXED HEADERS UNLESS STEEL CHANNELS ARE INDICATED IN THE REMARKS COLUMN OF THE DOOR SCHEDULE OR UNLESS OTHERWISE INDICATED BY HEAD DETAIL.
- GLAZING IN DOORS SHALL BE CLEAR TEMPERED UNLESS NOTED OTHERWISE.
- AT SLIDING DOOR, PROVIDE ROCKWOOD BOX TRACK SLIDING DOOR HARDWARE SYSTEM WITH TWO-PIECE U CHANNEL, BOTTOM DOOR GUIDE WITH STOP AND ROCKWOOD RM 3301 DOOR PULL.

DOOR TYPES



FRAME TYPES



GLAZING SCHEDULE

TAG	TYPE	MFR (BASIS OF DESIGN)	DESCRIPTION / COLOR	THK	COMMENTS
GL-1	MONOLITHIC	-	CLEAR	1/2"	FOR LARGE ALL-GLASS STOREFRONT AND DOORS
GL-2	VISION UNIT	GUARDIAN	CLEAR; TEMPERED	3/8"	FOR SIDELITES & OTHER GLAZING

SPEC SECTION	MARK	BASIS OF DESIGN MANUFACTURER	PRODUCT / STYLE	COLOR	TYPICAL LOCATIONS	NOTES
CASEWORK AND WOODWORK						
06 41 00	PL1	WILSONART	PLASTIC LAMINATE	KENSINGTON MAPLE 10776	TYPICAL BASE AND UPPER CABINETS	WOOD EFFECT
08 14 16	WD1	CHICAGO DOORWAYS	PLAIN SLICED WHITE MAPLE	MATCH EXISTING DOORS	DOORS	GARDALL FINISH TO MATCH SAMPLE N2759-18GL
06 61 16	SS1	AVONITE SURFACES	SOLID SURFACE	7842 SATIN	BREAK ROOM COUNTERTOPS	EASED EDGES
06 61 16	SS2	AVONITE SURFACES	SOLID SURFACE	9015 ARTICA	WORKFORCE TRAINING DESK SURFACES	EASED EDGES
CEILINGS						
09 51 00	ACT1	CERTAINTED	24" X 24" - SYMPHONY M BEVELED, WHITE		TYPICAL ACOUSTIC PANEL CEILING	
09 51 00			CHANNEL SLOT SYSTEM W/ 1/4" REVEAL			
09 51 00	ACT2	CERTAINTED	24" x 48" - SYMPHONY M BEVELED, WHITE		ACOUSTICAL PANEL CEILING AT BOOKSTORE RETAIL SPACE	
09 51 00			CHANNEL SLOT SYSTEM W/ 1/4" REVEAL			
	WD1	BWOOD	1100 CROSS PIECE GRILLE, SOLID WOOD	ARCHITECT TO SELECT FROM MANUF. FULL RANGE	BOOKSTORE RETAIL SPACE AND WELCOME CENTER WOOD SLAT CEILING	3/4" MEMBER WIDTH X 3 1/4" MEMBER DEPTH
	ACT3	ARMSTRONG	BACKSTAGE NOIR, SQUARE LAY-IN, SMOOTH TEXTURE	BLACK	BOOKSTORE RETAIL SPACE AND WELCOME CENTER ACOUSTICAL CEILING PANELS ABOVE WOOD SLAT CEILING	
			BACKSTAGE NOIR, PRELUDE XL 1516" SUSPENSION SYSTEM	BLACK		
FLOORING AND BASE						
09 65 19	RT1	ARMSTRONG FLOORING	PARALLEL USA 12	HAVANA HEATHER J5262	18"x18" QUARTER TURN	PROVIDE MOISTURE MITIGATION ACCORDING TO TESTING PER SPEC
09 65 13	RB1	TARKETT	JOHNSONITE STANDARD WALL BASE 4"	ARCHITECT TO SELECT FROM MANUF. FULL RANGE	TYPICAL THROUGHOUT	
	B2	WILSONART	MATTE NATURAL ALUMINUM	6252	BOOKSTORE AND WELCOME CENTER MILLWORK	6" CONTINUOUS BASE
09 66 23	TRZ1	-	TERRAZZO TO MATCH EXISTING	MATCH EXISTING	-	SEE SPECIFICATION 09 66 23
	LVT1	MANNINGTON COMMERCIAL	LORINGTON COLLECTION	ARCHITECT TO SELECT FROM MANUF. FULL RANGE	BOOKSTORE RETAIL SPACE AND WELCOME CENTER	7 X 48, STAGGERED INSTALLATION FOR NATURAL WOOD FLOOR LOOK
CARPETS						
09 68 13	CPT1	SHAW CONTRACT	5T202 ACTIVE ADVANCE TILE, 12"x48" MONOLITHIC	04555 STRATEGY	OFFICE FIELD	
09 68 00	CPT2	SHAW CONTRACT	5T206 ACTIVE TURN TILE, 12"x48" MONOLITHIC	04555 STRATEGY	OFFICE ACCENT	
PAINTS						
09 91 00	PNT1	SHERWIN WILLIAMS		SW 7005 PURE WHITE	TYPICAL - WALLS & CEILINGS	
09 91 00	PNT2	SHERWIN WILLIAMS		SW 6779 LIQUID BLUE	ACCENT	
09 91 00	PNT3	SHERWIN WILLIAMS		SW 6710 MELANGE GREEN	ACCENT	
09 91 00	PNT4	BENJAMIN MOORE		SW 7017 DORIAN GRAY	DOOR FRAMES	
WINDOW SHADES						
12 24 13	WT1	DRAPER	E SCREEN - 1% OPEN	WHITE	PERIMETER ROOMS	

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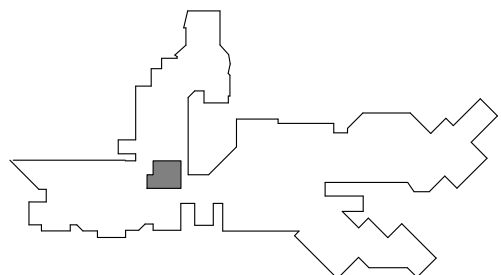
PROJECT

ADJACENCIES
RENOVATION -
PHASE 3 -
BOOKSTORE AND
WELCOME CENTER

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016



KEY PLAN



ISSUE CHART

2	009 ADDENDUM 01	21 JULY 26
1	009 ISSUED FOR BID AND PERMIT	20 APR 26
1	ISSUE	DATE
Job Number		021075 000

TITLE

FINISH SCHEDULE,
DOOR SCHEDULE, LITES
AND DETAILS

SHEET NUMBER

09.A62-01

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Oakton

Adjacencies Phase 3 : Bookstore and Welcome Center

ADDENDUM NO. 1 -Bidder Questions and Responses

Question 1:

Drawing: 09.A11-01

Clarify the required manufacturer, model number, basis of design, etc. for coat hooks.

Response:

Basis of design – Bradley Model No. 9134.

Question 2:

Drawing: 09.A04-01

Confirm height of existing drywall partitions to be demolished.

Response:

Drywall partitions extend to the underside of the deck above, typically.

Question 3:

Drawing: 09.A04-01

Confirm height, thickness, and reinforcing of existing CMU walls to be demolished.

Response:

Masonry walls extend to the underside of the deck above and are, to the best of our knowledge, standard non-load-bearing partitions.

Question 4:

Drawing: 09.A04-01

Please provide existing detail of masonry wall bearing on slab-on-grade. Is there an existing thickened slab with dowel bars? This detail is needed to determine the extent of damage to the existing slab when the masonry walls are removed.

Response:

West End drawings have been made available for reference only.

Question 5:

Drawing: 09.A04-01

Confirm masonry patching due to demolition of masonry wall per Keynote DM1A will only be required at existing-to-remain masonry walls at Column F south of Office 1162.

Response:

Masonry patching is required at new openings and where walls are demolished adjacent to existing masonry partitions that are to remain.

Question 6:**Drawing:** 09.A04-01

Confirm if existing drywall-wrapped columns are enclosing concrete columns or steel columns, and that only the drywall column enclosures are to be patched where existing walls are demolished.

Response:

It is our understanding that the column enclosures are over steel columns and are to be patched where existing walls are removed or where damaged.

Question 7:**Drawing:** 09.A04-01

Please provide section details of existing columns and intersecting walls being demolished to determine the extent of drywall patching and framing repairs.

Response:

West End drawings have been made available for reference only.

Question 8:**Drawing:** 09.A04-01

Please provide section details for the existing terrazzo flooring and concrete to be removed for the new terrazzo flooring, including dimensions. Also provide a section of the new terrazzo flooring and concrete slab.

Response:

Terrazzo was installed recently and is epoxy terrazzo installed as a thin-set system over a solid base. The previous condition was quarry tile with a thick-set base, which was removed prior to terrazzo installation after backfill. West End drawings have been made available for reference only.

Question 9:**Drawing:** 09.A04-01

General Note 4 on Drawing 09.A04-01 states, "Coordinate with Owner to verify that Owner has removed all items scheduled or planned to be removed by Owner," but Photo 2 states, "Remove all furniture and merchandise displays and return to Owner. Typical throughout." Please clarify.

Response:

No response provided in the spreadsheet.

Question 10:**Drawing:** 09.A04-02

Confirm whether light fixtures are to be salvaged to the Owner. Keynote CDM3 states "upon request," which leaves the demolition scope undefined. Salvaging fixtures may cost more than demolition and disposal.

Response:

Assume that light fixtures will be demolished and disposed of.

Question 11:**Drawing:** 09.M04-01

Drawing 09.M04-01 identifies a bid alternate to maintain VAVs for reinstallation at new locations. Existing VAVs turned over to the Owner in Phases 1 and 2 are to be reused for Phase 3. The VAV Reuse Schedule references existing tags corresponding to new work VAV tags; however, there is no alternate identified on the bid form.

Response:

Update the bid form to include a mechanical bid alternate for VAV reuse.

Question 12:**Drawing:** Division 06

Can the AWI Quality Certification Program (QCP) requirement for Division 06 be waived?

Response:

QCP references have been made voluntary.

Question 13:**Drawing:** Division 06

I have just begun reviewing this project, and it appears the specifications may be referencing fire-retardant-treated (FRT) casework substrates. To be clear, we will not apply HPL to FRT substrates. The chemical treatment used in FRT materials inhibits proper adhesive bonding, preventing a reliable lamination process. While certain manufacturers claim to offer FRT substrates that mitigate this issue, our experience has not supported those claims. The material quality is generally inferior, prone to premature deterioration, and ultimately results in HPL delamination—albeit at a slower rate than with standard FRT products. Accordingly, we cannot approve the use of HPL over FRT substrates. Such a product would be non-warrantable and would not meet our quality standards. Furthermore, we are not aware of any components within our scope that are required by code to be fire-rated. My understanding is that this requirement may have been included by the architect out of an abundance of caution rather than as a code-mandated condition. Please clarify the specification. We cannot move forward with preparing the proposal until we are aware if HPL applied to FRT is mandatory.

Response:

The fire retardant treated products are required only where required by code.

Question 14:

Please review the attached substitution request for the VDB Marker Board (4 ft × 10 ft), MooreCo/Bestrite substitute.

Response:

No exceptions taken

Question 15:

With this project being 100% Union Labor, what is the cost for the PLA. Agreement ?

Response:

This information is within the General Business Requirements. Bidder is responsible to pay for the associated PLA fees.

Question 16:

Are the hallway walls load bearing or does the Steel hold up the 2nd floor? Will we need structural shoring?

Response:

The responsibility of design or determination of shoring requirements remains the contractor's responsibility. To the best of our knowledge, the building is a steel structure and none of the masonry walls have been indicated to be load bearing.

Question 17:

What amount will be demoed by the Asbestos Contractor so we don't double up this cost with the Demolition Company.

- a. Ceilings
- b. Flooring
- c. Elbows
- d. Additional Items

Response:

Owner will have vinyl tile flooring in room 1163 on the demolition plan removed by abatement contractor.

Question 18:

Work hours.

Response:

The working hours for this project is 6am – 4pm Monday through Friday. Off hours may be required and will need to be coordinated in advance with Oakton.

Question 19:

Temporary Barricades Requirements. What does this materials need to be constructed out of.

Response:

Temporary barricades must be made of gypsum board partitions finished on the public sides

Question 20:

Would it be better to park the dumpster down outside the Gym to not have to go all the way to the loading dock. This will cut down on interacting with other people. If we started at 6:00 AM we would have several hours to haul out.

Response:

Dumpster to be located in the loading dock as coordinated by Oakton.

Question 21:

What is the location for parking. Can we park outside the gym in the large lot towards the back.

Response:

Contractor to park in back of Lot A or C as coordinated by Oakton.

Question 22:

Note DM126 is asking to cut the Terrazzo flush with the floor and this is not going to look good. Please provided a better detail of this condition.

Response:

Design intent is that the terrazzo is to be removed back to the nearest zinc joint line as needed for installation of final condition; details and execution can be developed with successful bidder

Question 23:

Is fire-rated substrate for PLAM specified per:

- Section 06 41 00 – Part 1 General – 1.4 Action Submittals – Product Literature
- Section 06 41 00 – Part 1 General – 1.5 Informational Submittals – Certification

Response:

The fire-retardant-treated products are required only where required by code.

Question 24:

Is electrostatic dissipative laminate specified per Section 06 41 00, Part 2 Products, Materials? To be clear, we will not apply HPL to FRT substrates.

The chemical treatment used in FRT materials inhibits proper adhesive bonding, preventing a reliable lamination process.

While certain manufacturers claim to offer FRT substrates that mitigate this issue, our experience has not supported those claims.

The material quality is generally inferior, prone to premature deterioration, and ultimately results in HPL delamination—albeit at a slower rate than with standard FRT products.

Accordingly, we can't approve the use of HPL over FRT substrates.

Such a product would be non-warrantable and would not meet our quality standards.

Response:

No electrostatic dissipative laminate is indicated on the drawings.

Question 25:

Will this project include an allowance, and if so, what is the allowance amount?

Response:

The project allowances have been updated in the specifications.

Question 26:

Please issue a logistics plan showing the route from the work area to the elevator so that the required floor protection can be quantified. Is approximately 300 LF sufficient?

Response:

This is a means and methods question. Please review jobsite conditions.

Question 27:

16) Storefront/Glazing –

Sheet A45-01: Shows the Glass as 9/16" Laminated glass.

Sheet A62-01: Glazing schedule GL-2 calls for 3/8" tempered glass.

Please advise.

We recommend 1/2 " tempered glass should suffice.

Hardware : The specified glass door exit devices are very cost-prohibitive. Would the college consider allowing a standard hardware configuration in lieu of the glass door exit devices? The doors could remain unlocked/open during normal business hours and be secured after hours, while still meeting the project's operational and life safety requirements

Response:

1/2-inch tempered glazing is acceptable, provided it meets the delegated design requirements for the all-glass storefront and glass door installation. Sidelights are intended to be 3/8-inch vision glass. The College is open to reviewing alternative approaches, the specifications remain unchanged unless an alternative is approved and the documents updated.

Question 28:

Is Fire Rated substrate for PLAM specified per:

A. 60 41 00 – 1/ Part 1 General/ 1.4 Action Submittals/ A. Product Literature/ 2.

B. 60 41 00 – 2/ Part 1 General/ 1.5 Informational Submittals/ A. Certification/ 2.

Response:

The fire-retardant-treated products are required only where required by code.

Question 29:

Is Electrostatic Dissipative Laminate specified per:

A. 06 41 00 – 3/ Part 2 Products/ 2.1 Materials/ A.

Response:

No electrostatic dissipative laminate is indicated on the drawings.

Question 30:

9.E51-01 – Includes a note requiring the existing fire alarm cable to be installed in conduit.

9.E05-01 – Includes a note requiring all existing conduit and outlet boxes to be properly supported.

9.E05-01 – Includes a note requiring existing free-air wiring serving light fixtures to be installed in conduit.

9.E31-01 – Includes a note requiring all existing wiring to be traced from the existing panels to update panel directories.

Response:

A project allowance has been established to cover this portion of the work.

Question 31:

Please clarify whether there are established allowances for this work. The extent of these items is dependent on existing field conditions and cannot be accurately quantified from the contract documents.

Response:

A project allowance has been established to cover this portion of the work.

Question 32:

29) 9.E10-01 – Note #5: Install new panelboard utilizing existing feeder under concrete. Verify existing feeder prior to bid.

This portion of the work involves significant unknown conditions and cannot be accurately quantified during the bidding phase. Completing this work would require floor scanning to locate the existing underground conduit, followed by concrete removal to expose the feeder.

There is no reliable way to determine whether the existing feeder can be removed and new conductors successfully installed through the existing underground conduit. Due to the age and unknown condition of the conduit, it may be corroded, damaged, or otherwise unsuitable for pulling new conductors.

Because of these unknown site conditions and the numerous variables involved, this scope cannot be accurately at bid time

Response:

A project allowance has been established to cover this portion of the work.

DOCUMENT 00 91 02.1
ADDENDUM NO. 2

Oakton College
Adjacencies Renovations – Phase 3
Chicago, Illinois

FOR

Oakton College
1600 Golf Road,
Des Plaines, Illinois 60016.

1.1 SCOPE

- A. This Addendum is issued pursuant to Article 1.1.1 of the AIA General Conditions of the Contract for Construction (A201) in connection with revision of drawings and specifications which have been previously issued.
- B. When construction is not under contract, all instructions contained herein shall be reflected in the contract sum and this Addendum will be made a part of the Contract Documents, if, as, and when a Contract is awarded.
- C. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 11 JUNE 2026. Receipt of this Addendum must be acknowledged in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.
- D. This Addendum consists of 2 pages, 1 revised Procurement/Contracting Documents, 1 new Procurement/Contracting Sections, 0 revised Specification Sections, and 3 revised Contract Document Drawings.

1.2 CHANGES TO THE PROCUREMENT & CONTRACTING REQUIREMENTS GROUP

- A. Revised Document: The attached following listed revised Documents are hereby added to the Project Manual.
 - 1. 00 01 10 Table of Contents
- B. New Document: The attached following listed new Documents are hereby added to the Project Manual.
 - 1. 00 91 02.1 Addendum No. 2

1.3 CHANGES TO THE SPECIFICATION GROUP

- A. New Specification Sections: The attached following listed new Specification Sections are hereby made a part of the Contract Documents.

1. None

B. Revised Specification Sections: The attached following listed revised Specification Sections are hereby made a part of the Contract Documents. Specification sections of the same number and earlier dates and revisions are hereby void.

2. None

1.4 CHANGES TO DRAWINGS

A. Revised Drawings:

1. General:

a. G00-00 Cover: Sheet Index Updated

2. Electrical:

a. Sheet 09.E10-01

b. Sheet 09.E10-03

3. New Drawings: No new Drawings are hereby made a part of the Contract Documents:

END OF SECTION

**DOCUMENT 00 01 10
TABLE OF CONTENTS**

The complete Project Manual for this project consists of this entire bound volume which is not to be separated for any reason. The Architect and Owner will not be responsible for any assumptions made by a Contractor or Subcontractor who does not receive a complete bound Project Manual containing all sections and documents listed in the Table of Contents.

The following listed documents comprise the Project Manual for the ADJACENCIES RENOVATIONS – PHASE 3. Where numerical sequence of Sections or Divisions is interrupted, such interruptions are intentional.

PROJECT MANUAL

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

00 01 07	Professional Seals Pages
00 01 10	Table of Contents
00 41 13	Bid Form
00 52 13	Standard Form of Agreement Between Owner and Contractor, AIA Document A101, 2017 edition, By Reference
00 61 13	Performance Bond and Payment Bond, AIA Document A312, 2010 Edition, By Reference
00 72 13	General Conditions of the Contract for Construction, AIA Document A201, 2017 Edition, By Reference
00 91 01	Addendum No 1
00 91 02	Addendum No 2

SPECIFICATIONS GROUP

GENERAL REQUIREMENTS SUBGROUP

DIVISION 01 - GENERAL REQUIREMENTS

01 10 00	Summary
01 13 00	Delegated Design Requirements
01 21 00	Allowances
01 23 00	Alternates
01 22 00	Unit Prices
01 25 00	Substitution Procedures Substitution Request Form
01 26 00	Contract Modification Procedures
01 29 00	Payment Procedures
01 31 00	Project Management and Coordination
01 31 06	Coordination Drawings
01 32 00	Construction Progress Documentation
01 32 33	Photographic Documentation
01 33 00	Submittal Procedures

01 40 00	Quality Requirements
01 42 00	References
01 50 00	Temporary Facilities and Controls
01 60 00	Product Requirements
01 73 00	Execution
01 73 29	Cutting and Patching
01 77 00	Closeout Procedures
01 78 23	Operation and Maintenance Data
01 78 39	Project Record Documents
01 79 00	Demonstration and Training
01 91 13	General Commissioning Requirements

FACILITY CONSTRUCTION SUBGROUP

DIVISION 02 - EXISTING CONDITIONS

02 41 19	Selective Demolition
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DIVISION 03 - CONCRETE

03 54 16	Cement-Based Underlayment
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DIVISION 04 - MASONRY

04 22 00	Concrete Unit Masonry
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DIVISION 05 – METALS

05 12 00	Structural Steel Framing
05 50 00	Metal Fabrications
05 75 03	Decorative Metal Base / Trim

DIVISION 06 - WOOD, PLASTICS & COMPOSITES

06 10 00	Rough Carpentry
06 41 00	Architectural Wood Casework
06 61 16	Solid Surface Fabrications

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 21 00	Building Thermal Insulation
07 84 13	Penetration Firestopping
07 84 43	Joint Firestopping
07 92 00	Joint Sealants

DIVISION 08 – OPENINGS

08 11 13	Hollow Metal Doors and Frames
08 14 16	Flush Wood Doors
08 31 00	Access Doors

08 41 26	All-Glass Entrances and Storefronts
08 71 00	Door Hardware
08 80 00	Glazing
08 87 00	Glazing Surface Films

DIVISION 09 - FINISHES

09 05 61.13	Moisture Vapor Emission Control
09 22 16	Non-Structural Metal Framing
09 27 13	Glass-Fiber-Reinforced Gypsum Fabrications
09 29 00	Gypsum Board
09 51 00	Acoustical Ceilings
09 54 26	Wood Panel Ceilings
09 65 13	Resilient Wall Base
09 65 19	Resilient Tile Flooring
09 66 23	Resinous Matrix Terrazzo Flooring
09 68 13	Carpet Tile
09 91 00	Painting

DIVISION 10 – SPECIALTIES

10 11 00	Visual Display Units
10 22 39	Vertically-Folding Panel Partitions
10 26 10	Wall and Corner Guards
10 44 00	Fire Protection Specialties

DIVISION 12 – FURNISHINGS

12 24 13	Roller Window Shades
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FACILITY SERVICES SUBGROUP

DIVISION 21 - FIRE SUPPRESSION

21 00 00	General Requirements for Fire Suppression
21 05 00	Common Work Results for Fire Suppression
21 05 29	Hangers and Supports for Fire Suppression Piping and Equipment
21 05 53	Identification for Fire Suppression Piping and Equipment
21 13 13	Wet-Pipe Sprinkler Systems

DIVISION 23 – HEATING, VENTILATING AND AIR-CONDITIONING

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23 05 00	Common Work Results for HVAC
23 05 29	Hangers and Supports for HVAC Piping and Equipment
23 05 48	Vibration Controls for HVAC Piping and Equipment
23 05 53	Identification for HVAC Piping and Equipment
23 05 93	Testing, Adjusting, and Balancing for HVAC
23 07 13	Duct Insulation
23 09 00	Instrumentation and Control for HVAC

23 09 93	Sequence of Operations for HVAC Controls
23 31 13	Metal Ducts
23 33 00	Air Duct Accessories
23 36 00	Air Terminal Units
23 37 13	Diffusers, Registers, and Grilles

DIVISION 26 – ELECTRICAL

26 00 00	Electrical, General
26 05 00	Common Work Results for Electrical
26 05 19	Low-Voltage Electrical Power Conductors and Cables
26 05 23	Control-Voltage Electrical Power Cables
26 05 26	Grounding and Bonding for Electrical Systems
26 05 29	Hangers and Supports for Electrical Systems
26 05 33	Raceway and Boxes for Electrical Systems
26 05 53	Identification for Electrical Systems
26 09 23	Lighting Control Devices
26 24 16	Panelboards
26 27 26	Wiring Devices
26 28 13	Fuses
26 28 16	Enclosed Switches and Circuit Breakers
26 29 13	Enclosed Controllers
26 43 13	Surge Protective Devices
26 51 00	Interior Lighting

DIVISION 27 – COMMUNICATIONS

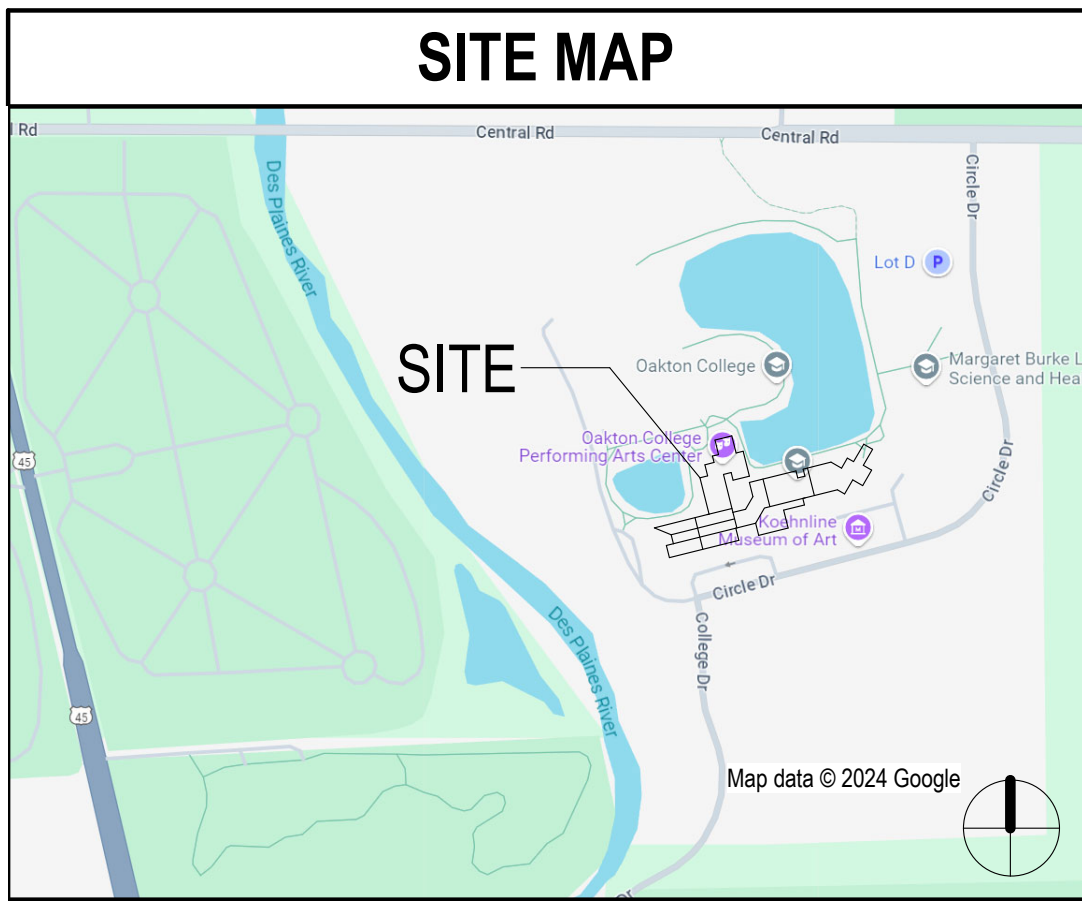
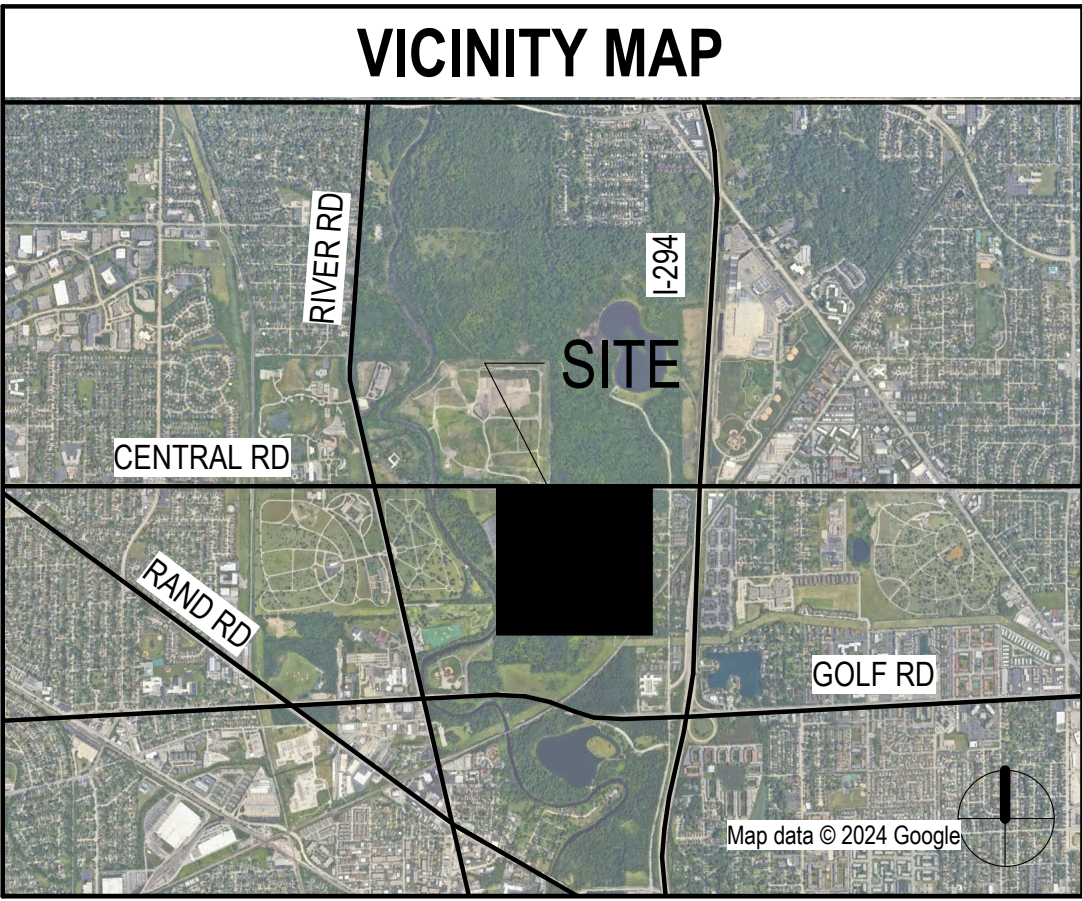
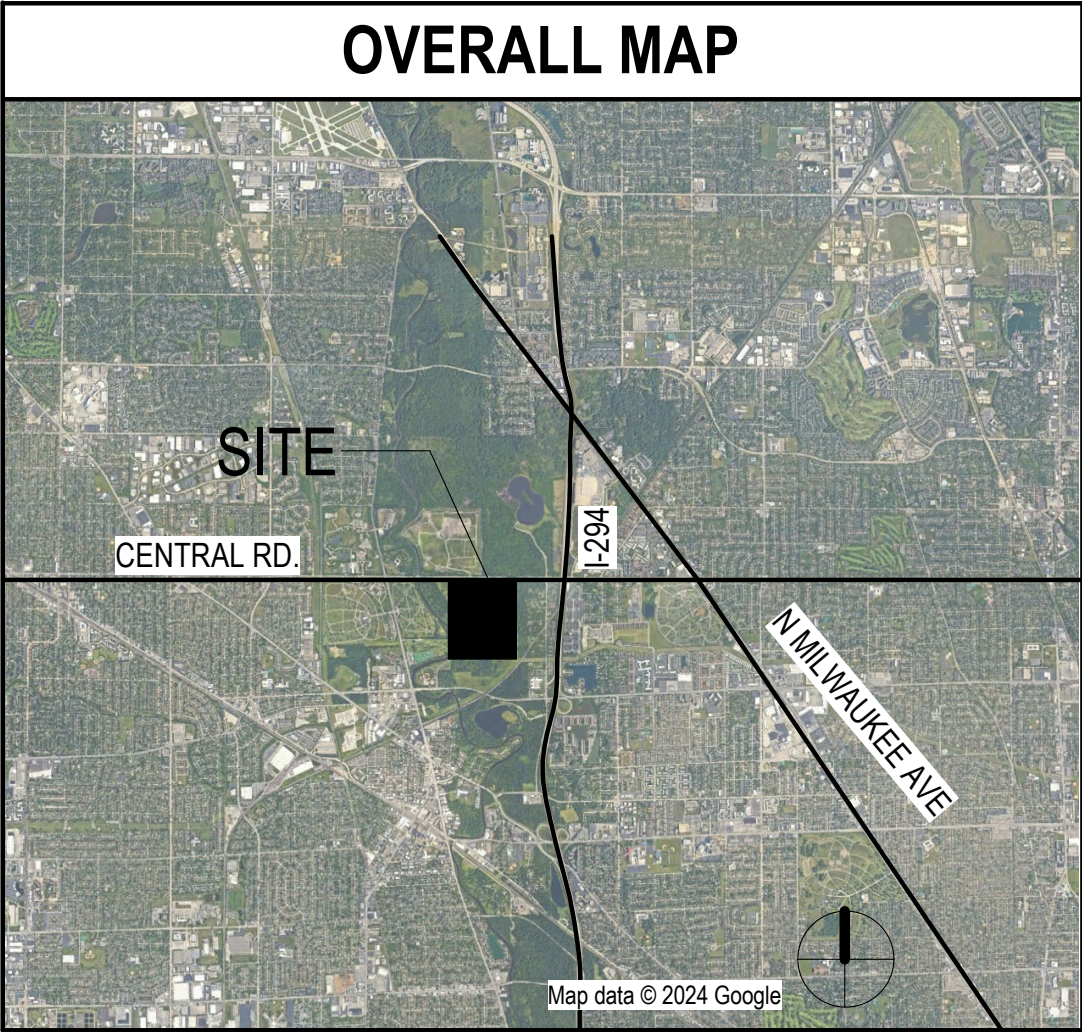
27 05 00	Common Work Results for Communications
27 11 00	Communications Equipment Room Fittings
27 13 00	Communications Backbone Cabling
27 15 00	Communications Horizontal Cabling
27 51 16	Public Address System

DIVISION 28 - ELECTRONIC SAFETY & SECURITY

28 05 00	Common Work Results for Electronic Safety and Security
28 05 13	Conductors and Cables for Electronic Safety and Security
28 31 11	Fire-Alarm and Voice-Notification System

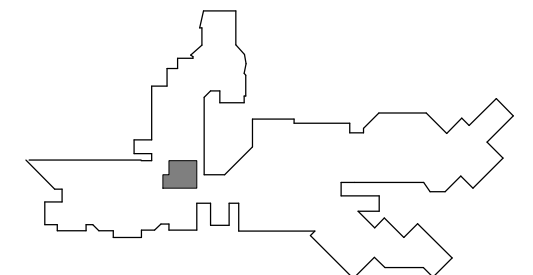
END OF DOCUMENT

VOLUME #
ISSUED FOR BID AND PERMIT
APRIL 24, 2026



SHEET INDEX - PHASE 2B				
SHEET NUMBER	SHEET NAME	ISSUE FOR PERMIT	ADDENDUM NO 1	ADDENDUM NO 2
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09 G01-02	CODE COMPLIANCE DATA	*		
04-ARCHITECTURAL				
09 A04-01	DEMOLITION PLAN	*		
09 A04-02	DEMOLITION REFLECTED CEILING PLAN	*		
09 A11-01	ARCHITECTURAL FLOOR PLAN	*		
09 A12-01	REFLECTED CEILING PLAN	*		
09 A15-01	FURNITURE & SIGNAGE PLAN	*		
09 A45-01	INTERIOR ELEVATIONS & DETAILS	*	*	
09 A50-01	CASEWORK ELEVATIONS & DETAILS	*		
09 A61-01	INTERIOR PARTITION TYPES & DETAILS	*		
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09 M20-02	MECHANICAL SCHEDULES AND DETAILS	*		
08-ELECTRICAL AND LOW VOLTAGE				
09 E04-01	ELECTRICAL DEMOLITION PLAN	*		
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09 E10-03	LOW VOLTAGE NEW WORK PLAN	*		*
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09 E31-01	ELECTRICAL SCHEDULES	*		
09 E31-02	LIGHT FIXTURE SCHEDULE	*		
09 E41-01	LIGHTING SEQUENCE OF OPERATION - BACK OF HOUSE AREA	*		
09 E41-02	LIGHTING SEQUENCE OF OPERATION - BOOKSTORE AND WELCOME CENTER	*		
09 E51-01	FIRE ALARM NOTES AND DETAILS	*		
09 E61-01	GENERAL NOTES AND DETAILS	*		
09 E71-01	TECHNOLOGY NOTES AND DETAILS	*		
09 E71-02	TECHNOLOGY NOTES AND DETAILS	*		

OWNER	ARCHITECT	MECH., PLUMBING, ELEC., LOW VOLTAGE, & FIRE PROTECTION ENGINEERING
DAKTON COLLEGE 1600 E. GOLF RD. DES PLAINES, IL 60016	PERKINS AND WILL 410 N. MICHIGAN AVE. STE. 1600 CHICAGO, IL 60611 DESIGN FIRM #: 184000338-0001	MECHANICAL SERVICES ASSOCIATES, CORP. 111 S. VIRGINIA ST. CRYSTAL LAKE, IL 60014 DESIGN FIRM #: 184001504-0002
		STRUCTURAL
		RUBINOS & MESIA ENGINEERS, INC. 200 S MICHIGAN AVE UNIT 1500, CHICAGO, IL 60604 DESIGN FIRM #:



2	ADDENDUM 2	20 JUL 26
1	ISSUED FOR BID AND PERMIT	20 APR 26
DATE	ISSUE	DATE
Job Number	021075 002	

TITLE
**ELECTRICAL NEW
WORK PLAN -
BOOKSTORE/WELCOME
CENTER**
SHEET NUMBER

9.E10-01

ELECTRICAL PLAN NOTES: (X)

- FURNISH AND INSTALL NEW FLEXIBLE LIQUIDTIGHT CONDUIT AND WIRES TO JUNCTION BOX IN WALL FOR MODULAR FURNITURE. LOCATE SO AS NOT TO BE BURIED BY FURNITURE WALLS. PROVIDE CONNECTION TO MODULAR FURNITURE TERMINAL BLOCKS. "2x2" WIRING DIAGRAM SHALL BE THE BASIS OF DESIGN. CONDUIT SHALL BE A MINIMUM SIZE 3/4". VERIFY POINTS OF CONNECTION, QUANTITIES REQUIRED, AND FINAL FURNITURE WIRING DIAGRAM WITH FURNITURE CONTRACTOR AND MANUFACTURER PRIOR TO SHOP DRAWING PHASE. PROVIDE ALL REQUIRED HARDWARE. COORDINATE ALL WORK REQUIRED WITH FURNITURE CONTRACTOR.
- NOT USED.
- FURNISH AND INSTALL SPLIT CONTROLLED RECEPTACLE (DUPLEX OR QUAD AS SHOWN) WITH NEW BRANCH CIRCUIT AS SHOWN. CLEARLY MARK CONTROLLED PORTION OF RECEPTACLE PER IECC 2021. PROVIDE FULLY CONTROLLED RECEPTACLES FOR USB AND GFCI TYPE RECEPTACLES. REFER TO DETAIL ON SHEET E04.01 FOR ADDITIONAL INFORMATION.
- MODULAR WORKSTATION SHALL HAVE (2) DUPLEX RECEPTACLES PRE-INSTALLED. (1) DUPLEX RECEPTACLE PER WORKSTATION SHALL BE A PERMANENTLY MARKED CONTROLLED RECEPTACLE CONTROLLED VIA LOCAL LIGHTING CONTROL. COORDINATE FINAL RECEPTACLE COUNT WITH FURNITURE MANUFACTURER PRIOR TO START OF WORK.
- FURNISH AND INSTALL NEW EMERGENCY PANELBOARD. EXTEND EXISTING FEEDER LOCATED UNDER CONCRETE SLAB SERVING PREVIOUS PANEL TO NEW LOCATION AS SHOWN. EC SHALL VERIFY EXISTING CONDUIT AND WIRE SIZES IN FIELD PRIOR TO DELIVERY OF BIDS. DO NOT DAMAGE THE EXISTING FEEDER OR BRANCH CIRCUITS WHEN RECONNECTING. NEW PANEL SHALL BE RATED TO MATCH EXISTING (VOLTAGE, PHASE, AND KAIC RATING). EC SHALL PATCH AND REPAIR EXISTING FLOORS BACK TO EXISTING CONDITIONS UPON INSTALLATION OF NEW FEEDER. COORDINATE WORK WITH ARCHITECT AND OWNER. PLEASE NOTE EXISTING BRANCH CIRCUIT WIRE SIZES PRIOR TO ORDERING NEW BREAKERS. EXTEND EXISTING BRANCH CIRCUIT CONDUIT AND WIRES BACK TO EXISTING CIRCUITS AT PANELBOARD. FURNISH AND INSTALL PULL BOXES ABOVE CEILING AND IN FLOOR AS REQUIRED. PATCH AND REPAIR FLOOR AS REQUIRED UPON INSTALLATION OF FLOOR BOXES. MATCH SURROUNDING AREAS AND GRIND SMOOTH TO MATCH FLOOR FINISH. WHEN EXTENDING EXISTING WIRING, NEW WIRING SHALL MATCH TYPE/SIZE CURRENTLY BEING USED. IF EXISTING WIRE SIZE DOES NOT MATCH EXISTING BREAKER SIZE, UTILIZE BREAKER SIZE THAT MATCHES THE WIRE RATING. WHEN EXTENDING EXISTING BRANCH CIRCUIT, UTILIZE THHN/THWN COPPER WIRING. INSTALL UL LISTED 600V ELECTRICAL HEAT SHRINKING TUBING OVER ALL EXISTING CONDUCTORS THAT MAY HAVE DAMAGED INSULATION. FURNISH AND INSTALL A MINIMUM OF FOUR SPARE 3/4" CONDUITS TO ABOVE THE CEILING FOR FUTURE USE. INSTALL NEW CARD DIRECTORY AND LABEL BASED ON FINDINGS DURING DEMOLITION WORK AND NEW WORK BEING PERFORMED. MODIFY AND EXTEND EXISTING CONDUIT AND WIRES IN AFFECTED AREA AS REQUIRED TO INSTALLATION OF NEW PANELBOARD.
- ROUTE AND CONCEAL RACEWAYS AND CABLING WITHIN COUNTER WALL CHASE AND DESK SYSTEM. COORDINATE ROUGH-IN IN FIELD WITH ENGINEER AND ARCHITECT. INCLUDE LIQUIDTIGHT FLEXIBLE METAL CONDUIT AND INCLUDE ALL NORMAL 120V POWER RECEPTACLES AS SHOWN. INCLUDE LOW VOLTAGE RACEWAYS FOR DATA. ALL RACEWAYS TO BE SIZED TO ACCOMMODATE ALL CABLING SPECIFIED. INCLUDE BOXES FOR POWER AND LOW VOLTAGE SYSTEMS. ALL LOW VOLTAGE RACEWAY STUBS BELOW FLOOR TO BE PROVIDED WITH END BUSHINGS FOR PROTECTION OF CABLING SYSTEMS. LABEL ALL RACEWAYS AND INCLUDE PULLSTRINGS FOR LOW VOLTAGE CONTRACTOR.
- RECEPTACLE SHALL BE RECESSED INTO MILLWORK. ROUTE RACEWAY CONCEALED THROUGH CHASE. COORDINATE FINAL MOUNTING HEIGHT AND CLEARANCES REQUIRED FOR RACEWAY WITH ARCHITECT PRIOR TO START OF WORK.
- ROUTE CONDUIT FOR POWER AND DATA TO WALL AS SHOWN. 3/4" MINIMUM SIZE FOR POWER, 1" MINIMUM SIZE FOR DATA. FURNISH AND INSTALL JUNCTION BOX WITH COVERPLATES AS REQUIRED. COORDINATE FINISH OF COVERPLATES WITH ARCHITECT. COORDINATE FINAL LOCATION PRIOR TO ROUGH-IN.
- EXTEND EXISTING BRANCH CIRCUITS SERVING EXISTING INTERCOM HEADEND CABINET AS REQUIRED TO NEW LOCATION. COORDINATE ADDITIONAL WORK WITH LOW VOLTAGE CONTRACTOR. REFER TO LOW VOLTAGE PLAN FOR ADDITIONAL INFORMATION.
- FURNISH AND INSTALL BRANCH CIRCUIT FOR SKYFOLD DOOR PARTITION WITH 30A/3P/240V FUSED DISCONNECT SWITCH WITH 5A FUSES. USE #14 WIRE. COORDINATE FINAL REQUIREMENTS WITH MANUFACTURER. FURNISH AND INSTALL ALL REQUIRED RACEWAY, WIRING, AND CONNECTIONS TO CONTROL SWITCHES, LIMIT SWITCHES, ALL SAFETY SWITCHES, PHOTO EYES, AND OTHER SAFETY INTERLOCK DEVICES. FURNISH AND INSTALL ALL CABLES, CONDUITS, AND BACKBOXES REQUIRED FOR ALL DEVICES, MOTOR, AND CONTROLLER. FURNISH AND INSTALL #18 WIRE IN SERIES BETWEEN PUSH BUTTON AND CONNECT TO MOTOR PER MANUFACTURER'S INSTRUCTIONS. COORDINATE FINAL LOCATION WITH ARCHITECT. REFER TO DETAIL #1 ON SHEET E31-01 FOR FURTHER DETAILS.
- EXTEND EXISTING FIRE ALARM CABLING AND CONDUIT TO NEW DEVICE AS SHOWN. UPDATE EXISTING ZONING AND PROGRAMMING AS REQUIRED.

EXISTING FIRE ALARM CABLING NOTE:

- A. EXISTING TO REMAIN FREE AIR FIRE ALARM CABLES LOCATED ABOVE CEILING SHALL BE REINSTALLED IN RED CONDUIT. EC SHALL REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALLOWANCE AMOUNT. REFER TO SHEET E51-01 FOR FURTHER INFORMATION.

GENERAL ELECTRICAL NOTES:

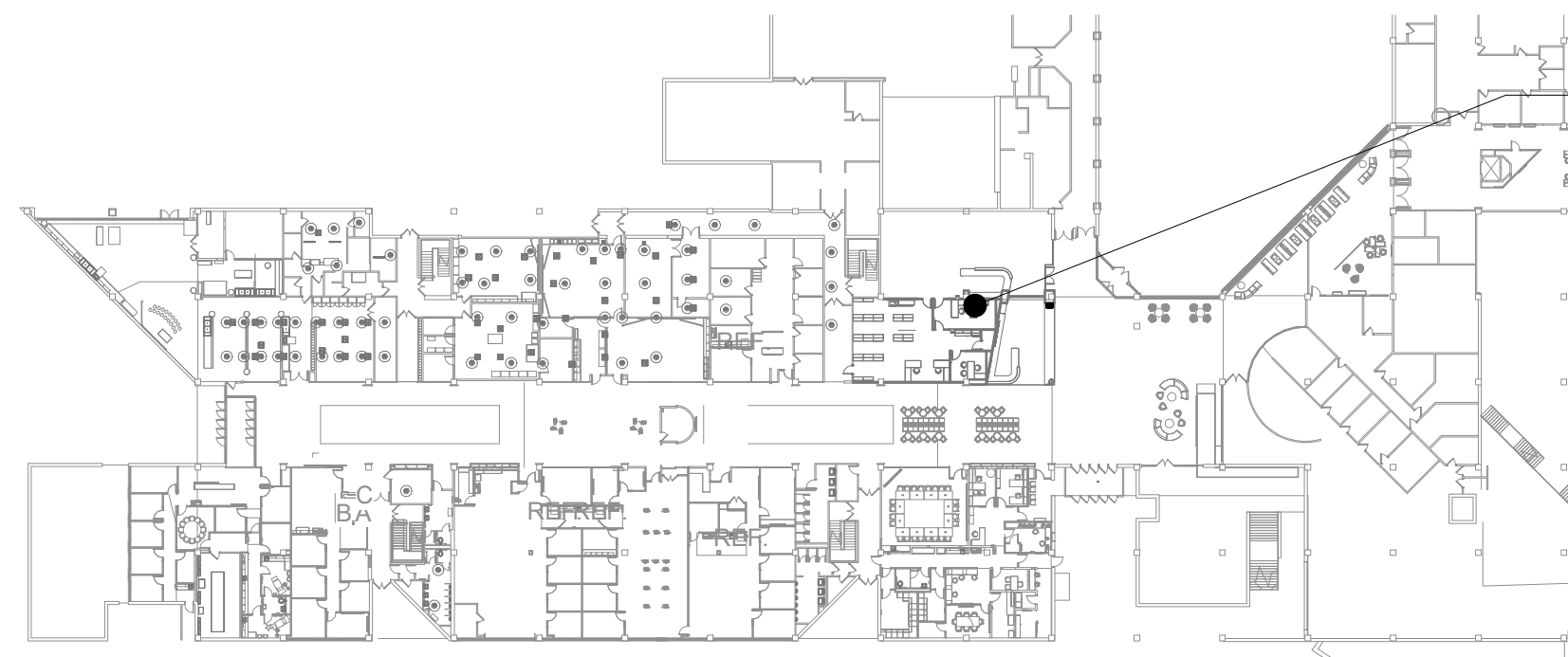
- A. COORDINATE MOUNTING HEIGHT AND LOCATIONS OF DEVICES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- B. REFER TO SHEET E10-03 FOR ELECTRICAL NEW WORK SCOPE RELATING TO EXISTING INTERCOM CABINET.

CITY OF DES PLAINES FURNITURE NOTES:

- A. THE ELECTRICAL CONNECTION BETWEEN OFFICE FURNISHINGS SHALL BE A FLEXIBLE ASSEMBLY IDENTIFIED FOR USE WITH OFFICE FURNISHINGS OR SHALL BE PERMITTED TO BE INSTALLED USING FLEXIBLE CORD, PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:
- THE CORD IS EXTRA-HARD USAGE TYPE WITH 12 AWG OR LARGER CONDUCTORS, WITH AN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
 - THE OFFICE FURNISHINGS ARE MECHANICALLY CONTIGUOUS
 - THE CORD IS NO LONGER THAN NECESSARY FOR MAXIMUM POSITIONING OF THE OFFICE FURNISHING, BUT IS IN NO CASE TO EXCEED TWO FEED (2')
 - THE CORD IS TERMINATED AT AN ATTACHMENT PLUG-AND-CORD CONNECTOR WITH STRAIN RELIEF.
 - AN INDIVIDUAL OFFICE FURNISHING OR GROUPS OF INTERCONNECTED OFFICE FURNISHINGS SHALL NOT CONTAIN MULTIWIRE CIRCUITS.

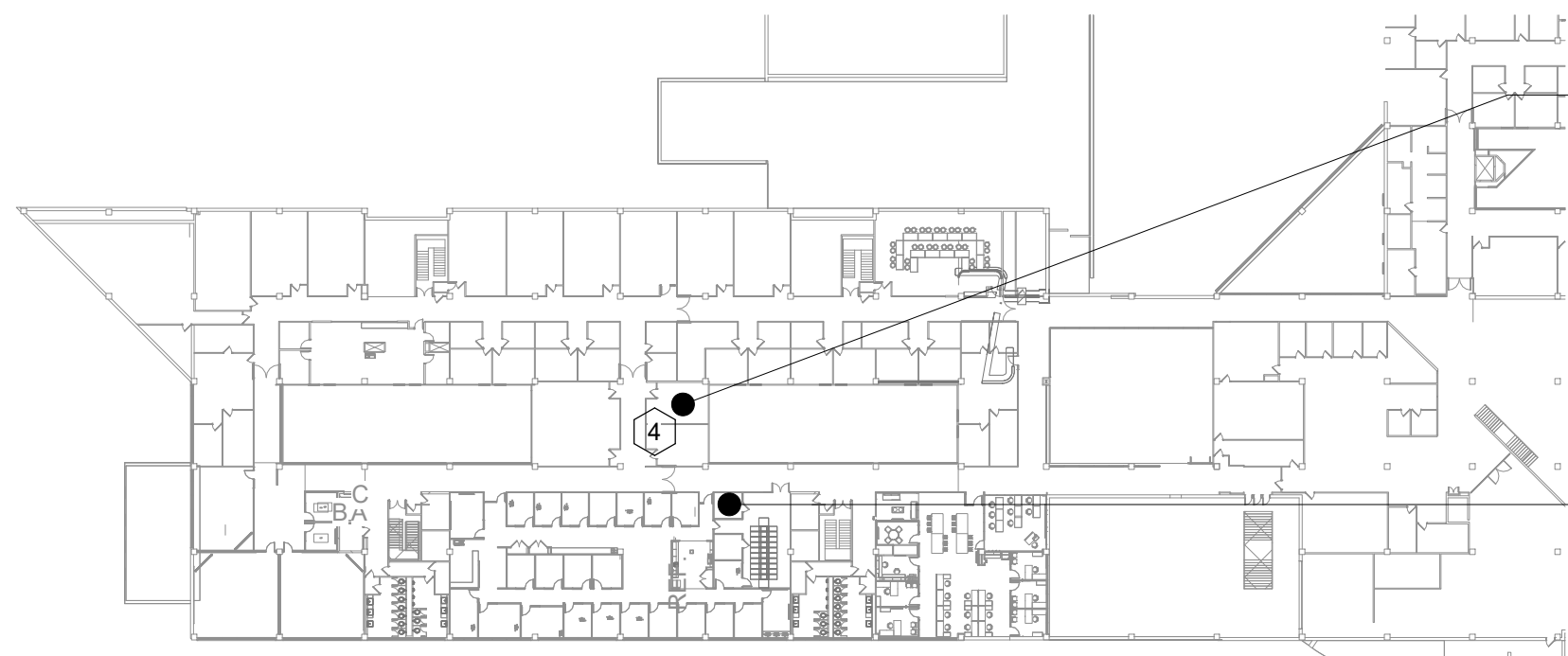
LEVEL 01 POWER NEW WORK PLAN -
BOOKSTORE

1/4" = 1'-0"



2 LEVEL 01 LOW VOLTAGE - PARTIAL SITE PLAN
1/64" = 1'-0"

EXISTING PAGING SYSTEM RACK LOCATION. REFER TO SHEET E71.03 FOR DEMOLITION AND REINSTALLATION REQUIREMENTS.



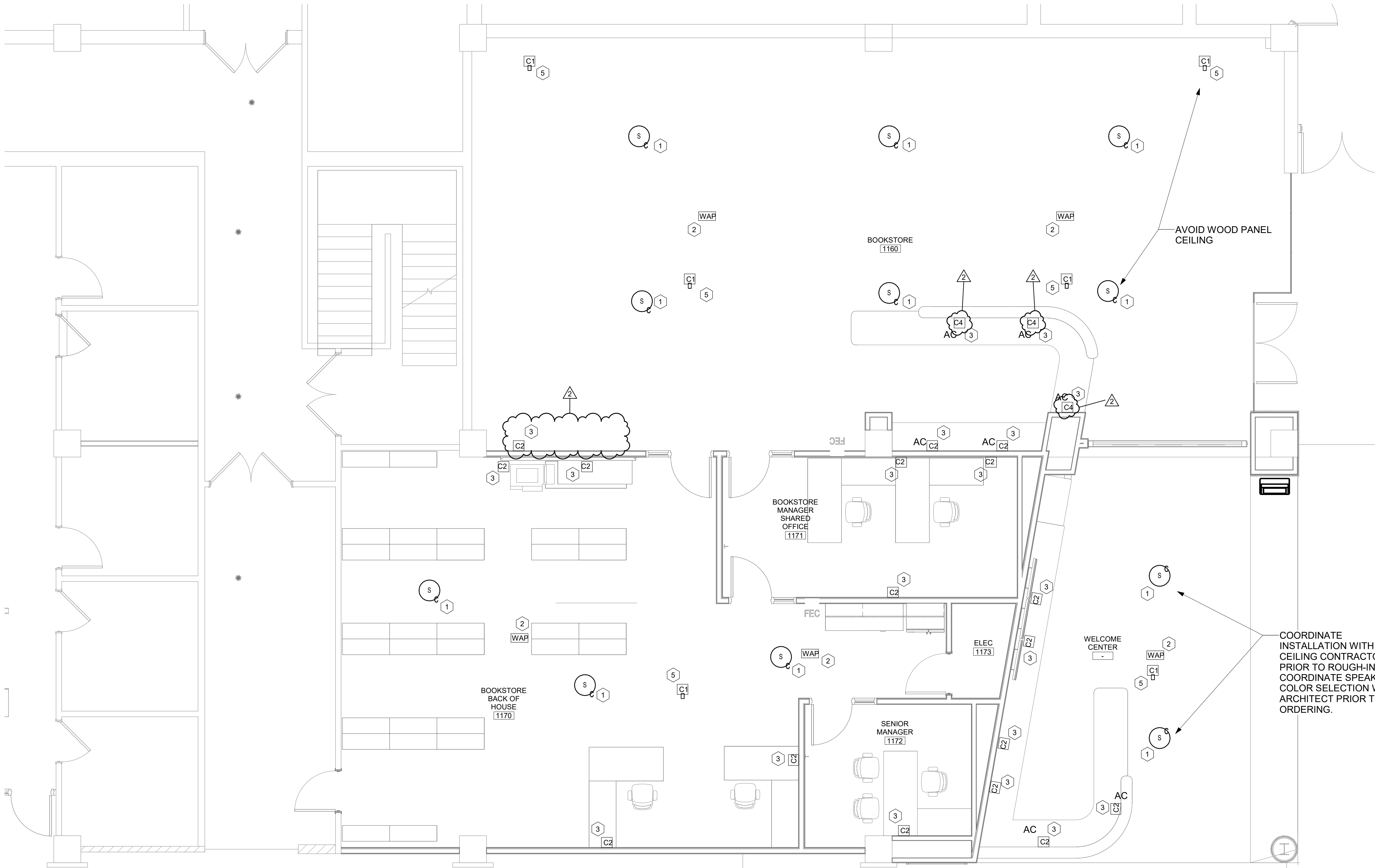
3 LEVEL 02 LOW VOLTAGE - PARTIAL SITE PLAN
1/64" = 1'-0"

IDF-2142
NEW PAGING RACK LOCATION. REINSTALL EXISTING EQUIPMENT FROM EXISTING PAGING SYSTEM RACK. FURNISH AND INSTALL NEW RACK MOUNTED POWER STRIP AND UPS UNIT. REFER TO SHEET E71.03 FOR RACK REQUIREMENTS AND DETAILS.

ELEC-2249A
EXISTING EM PANEL DC-LV. UTILIZE SPARE CIRCUIT #22 FOR NEW PAGING SYSTEM OUTLET. FURNISH AND INSTALL QUAD RECEPTACLE (RED) BEHIND NEW RACK LOCATION TO SUPPORT PAGING SYSTEM EQUIPMENT. FURNISH AND INSTALL 2#12, 1#12GRD IN 3/4"C. EXISTING CIRCUIT BREAKER SHALL REMAIN.



IDF-2142
APPROXIMATE LOCATION OF NEW PAGING SYSTEM RACK. COORDINATE INSTALL LOCATION OF NEW WALL MOUNTED OPEN RACK WITH OWNER'S IT STAFF PRIOR TO INSTALLATION. NEW RACK AND NEW CABLING MUST BE INSTALLED BEFORE EXISTING RACK AND PAGING SYSTEM COMPONENTS ARE TAKEN DOWN FOR SMOOTH AND TIMELY TRANSITION. SYSTEM COMPONENTS MUST BE IMMEDIATELY INSTALLED AS TO AVOID UNNECESSARY OR PROLONGED DOWNTIME OF THE PAGING SYSTEM. CONTRACTOR TO HAVE PAGING SYSTEM INTEGRATOR PRESENT DURING SYSTEM RELOCATION AND RECONNECTION.



1 LEVEL 01 LOW VOLTAGE NEW WORK PLAN - BOOKSTORE
1/4" = 1'-0"

GENERAL CAT-6 NOTE (TYPICAL)
FOR ALL CAT-6 DATA CONNECTIONS INDICATED ON DRAWINGS AND REFERENCED IN PLAN NOTES, CONTRACTOR SHALL FURNISH AND INSTALL CAT-6 CABLE, JACKS AND TERMINATION AT BOTH ENDS AND ASSOCIATED COVER PLATES. PATCH CORDS TO BE FURNISHED AND INSTALL BY OWNER. ADDITIONAL CABLE LENGTH OF 20' SERVICE LOOP REQUIRED FOR DATA JACK CONNECTIONS MOUNTED ABOVE CEILING SYSTEMS. NO SERVICE LOOP IS REQUIRED FOR WALL OR FLOOR MOUNTED DATA INSTALLATIONS.

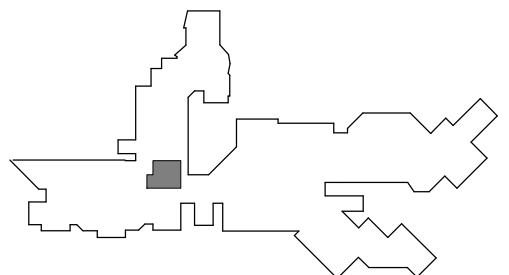
GENERAL NOTES:
-REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON POKE THRU AND WALL BOX COORDINATION.
-REFER TO ELECTRICAL DRAWINGS TO COORDINATE DATA AND POWER OUTLET INSTALLATION HEIGHTS. IN GENERAL DATA AND POWER OUTLETS SHALL BE INSTALLED AT SAME HEIGHT.
-ALL DATA CABLING SHALL BE PLENUM RATED.

LOW VOLTAGE PLAN NOTES (X)

- FURNISH AND INSTALL NEW PAGING SYSTEM SPEAKER AND CONNECT TO EXISTING INTERCOM SYSTEM. SPEAKERS IN SAME ROOM/AREA SHALL BE ON SAME DEDICATED CIRCUIT. COORDINATE CIRCUITING REQUIREMENT WITH OWNER IN FIELD. FURNISH AND INSTALL ADDITIONAL AMPLIFIERS AS REQUIRED TO SUPPORT NEW SPEAKER QUANTITY. SET POWER LEVEL IN ACCORDANCE WITH OWNER'S EXISTING SETTINGS FOR ROOMS OF SIMILAR SIZE AND TYPE. REFER TO SPEC SECTION 275116 FOR FULL REQUIREMENTS RELATED TO PAGING, PUBLIC ADDRESS SYSTEM.
- FURNISH AND INSTALL NEW (1) CAT-6 DATA FOR OWNER FURNISHED, CONTRACTOR INSTALLED WIRELESS ACCESS POINT. REFER TO GENERAL CAT-6 NOTE AND TECHNOLOGY DETAIL SHEETS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- FURNISH AND INSTALL NEW DATA CAT-6 (QUANTITY AS SPECIFIED), REFER TO GENERAL CAT-6 NOTE. 'AC' REFERS TO ABOVE COUNTER INSTALLATION, COORDINATE WITH FURNITURE CONTRACTOR AND ARCHITECTURAL DRAWINGS.
- REINSTALL EXISTING PAGING SYSTEM COMPONENTS IN NEW CONTRACTOR FURNISHED AND INSTALLED WALL MOUNTED OPEN RACK. REINSTALL ALL EQUIPMENT CONNECT TO NEW CABLE RUNS PRE-STAGED FOR SYSTEM RELOCATION. RECONNECT EXISTING MITEL SYSTEM EQUIPMENT, AMPLIFIERS AND MIXER. PAGING SYSTEM INTEGRATOR OF RECORD TO BE PRESENT FOR SYSTEM DEMOLITION AND RECONNECTION TIME WINDOW. COORDINATE NEW RACK INSTALLATION LOCATION WITH OWNER IN FIELD. LABEL ALL NEW CABLING SERVING EXISTING ZONING MODULES AND COORDINATE NEW CABLE INSTALLATION WITH OWNER'S PAGING SYSTEM INTEGRATOR. EXISTING CABLING MAY BE REUSED IF IN GOOD CONDITION AND CAPABLE OF BEING PULLED BACK TO IDF RACK LOCATION. CONTRACTOR SHALL PERFORM A FULL CABLE AND PAGING SYSTEM TEST PRIOR TO PERFORMING PAGING SYSTEM RELATED WORK. CONTRACTOR SHALL TEST FOR FULL OPERATION AFTER RELOCATION AND REINSTALLATION HAS BEEN COMPLETED. PAGING SYSTEM INTEGRATOR TO CERTIFY PAGING SYSTEM FUNCTIONALITY.
- FURNISH AND INSTALL NEW CAT-6 DATA FOR OWNER FURNISHED AND EXISTING SECURITY CAMERA. REFER TO GENERAL CAT-6 NOTE AND TECHNOLOGY DETAIL SHEETS FOR ADDITIONAL INSTALLATION REQUIREMENTS. DATA JACK AND BACK BOX SHALL BE INSTALLED ABOVE CEILING SYSTEM. LABEL NETWORK INFORMATION ON CEILING GRID. COORDINATE FINAL CAMERA LOCATION WITH OWNER PRIOR TO ROUGH-IN AND CAMERA INSTALLATION. CONTRACTOR SHALL REINSTALL EXISTING CAMERAS AND INSTALL OWNER FURNISHED NEW CAMERAS.

LOW VOLTAGE SYMBOL LIST

SYMBOL	DESCRIPTION	COMMENTS
C1 C2 C4	CAT-6 DATA CONNECTION AND QUANTITY	FURNISH AND INSTALL COMPLETE CAT-6 DATA JACKS, CABLES PATCH AND LABELED COVER PLATES FOR EACH
WAP	WIRELESS ACCESS POINT	WIRELESS ACCESS POINT
S _C	INTERCOM / PA SYSTEM SPEAKER	



2	ADDENDUM #1	20 JUL 26
1	ISSUED FOR BID AND PERMIT	20 APR 26
WAP	DATE	DATE

Job Number 021075 002

TITLE

LOW VOLTAGE NEW
WORK PLAN -
BOOKSTORE/WELCOME
CENTER

SHEET NUMBER

9.E10-03