Oakton College District 535

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

> Invitation to Bid # 0922-23-05 Addendum #2 Issue Date: September 22, 2023

Mandatory Pre-Bid Date: Wednesday, September 27, 2023 at 2:00 PM

Bids will be received in the Procurement Office at the above address until Friday, October 13, 2023 at 12PM

Bids will be publicly opened at this time. Late bids will not be accepted.

Oakton College Skokie Campus Library & Learning Commons

Description of Project: Interior demolition and buildout of existing 3,146 SF 1st floor suite and existing 7,402 SF 2nd Floor suite to join Testing, Tutoring, IT and Library into one common learning center connected by an interior elevator. Scope of Work includes Architectural, Structural, Mechanical, Electrical, Technology, Plumbing, and fire protection renovation.

This bid consists of 4 documents:

- 1) Business Specifications (this document)
- 2) PLA Document Example
- 3) Oakton College Skokie Campus Library & Learning Commons Drawings 9.20.23
- 4) Oakton College Skokie Campus Library & Learning Commons –Manual Specs 9.20.23

A mandatory pre-bid meeting will be held on September 27, 2023 starting at 2:00 pm at the College's Skokie campus

7701 Lincoln Ave, Skokie, IL 60077, Room C133.

Only contractors who attend the pre-bid meeting will be allowed to submit a bid.

Any questions regarding this bid must be submitted in writing via email by 11:00 am on Friday, September 29,2023. All questions will be answered through an addendum and must be submitted to the following individuals: Joe Scifo, Director of Facilities, jscifo@oakton.edu

Rich Schwass, Construction Manager at rschwass@oakton.edu

Jamie Boller, Cotter Consulting Senior Project Manager at j.boller@cotterconsulting.com

Kari Berg, UrbanWorks Senior Project Manager at kberg@urbanworksarchitecture.com

Trinh Than, Purchasing Manager at tthan@oakton.edu

Oakton College District 535 is exempt from all Federal, State, and Municipal Taxes.

I have examined the specifications and instructions included herein and agree, provided I am awarded a contract within 60 days of the bid due date, to provide the specified items for the sum shown in accordance with the terms stated herein. All deviations from the specifications and terms are in writing and attached hereto. I offer the following discount terms

Company Name:	Date:			
Address:	ss: City/St/Zip:			
Name:	Title:			
Phone #:	Fax #:			
Signature:	E-mail:			

RESPONSE TO BIDDER RFIs – Skokie Library Learning Commons

1. Please verify the glass type on swing doors 135 and 200.Door Schedule A7.21 calls for doors 135 and 200 to have glass type GL11 Plans sheet A6.12 Detail 11 and sheet A6.15 Detail 5 call for the doors to have glass type GL-21 Please advise which is correct.

Answer:

Glass Type on swing doors 135 and 200 is GL-11. Refer to attached revised sheet A6.12 Detail 11 and sheet A6.12 Detail 5 to reflect GL-11 for reference.

- 2. Please see attached Substitution Request for the visual display units.

 Answer: Substitution is approved. Refer to Specification Section 101100 Visual Display Units for information of added substitution in Article 2.01, Paragraph A, Sub-paragraph d. See attached Approved Substitution Form for reference.
- 3. Please refer to our RFIs for this PROJECT. Demo please confirm if there is millwork scheduled to be removed prior to the start of construction that is not indicated on the drawing sheet.

Answer: UW will revise the laminate millwork currently in place that needs to be demolished by the Contractor on attached sheets A0.02 and A0.03 for reference.

Please confirm if the school is responsible for moving loose items to be stored during construction.

Answer— Oakton College has confirmed the loose items that are left in the space now will be removed prior to the start of construction.

Millwork - Please confirm the specification for QZ-1 is.

Answer: Specification and color are shown on previously issued Sheet G1.11 under 12 36 00 and is also in the previously issued Specification Manual – Section 12 36 00.

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4. Please clarify the following prior to bidding: Casework specifications, 064100, call for the fabricator to be a participant of a quality certification program and that the project will be inspected and certified by one of the governing agencies. Can you please confirm if these requirements are intended and will be enforced? The list of certified woodworking firms is relatively short, so it will be helpful for all bidders to be aware if these requirements are intended.

Answer: We will eliminate the requirement that the millwork subcontractor must be AWI QCP licensed or a WI CCP participant. Further, we will eliminate the requirement that products installed receive certificates or stickers from AWI QCP or WI CCP/MCP.

However, We will continue to require all work covered in section 06 40 00 (Architectural Wood Casework) & 06 41 00 (Wood Paneling) be provided in

compliance with applicable AWI Standard, AWS 2014, or NAAWS 2021. The contractor shall affirm compliance with the standards with a signed statement on the shop drawing submittals. We also will continue to require a statement of qualifications demonstrating a minimum of 5 years of experience fabricating millwork of a similar nature and scale to the Work.

DRAWINGS

The following drawings have been revised and all changes have been clouded:

- a. G0.00
- b. G0.01
- c. G1.01
- d. G1.11
- e. G2.11
- f. A0.01
- g. A0.02
- h. A0.03
- i. A0.04
- j. A0.05
- k. A1.01
- I. A1.02
- m. A1.03
- n. A2.11
- o. A3.01
- p. A4.01
- q. A4.02r. A6.01
- s. A6.02
- t. A6.03
- u. A6.04
- v. A6.11
- w. A6.12
- x. A6.13
- y. A6.14
- z. A6.15
- aa. A6.21
- bb. A6.23
- cc. A6.31
- dd. A6.51
- ee. A7.01
- ff. A7.11

gg. A7.21 hh. E2.1 ii. E2.2 jj. E4.1 kk. E4.2 II. E6.0 mm. T1.01 nn. T1.02

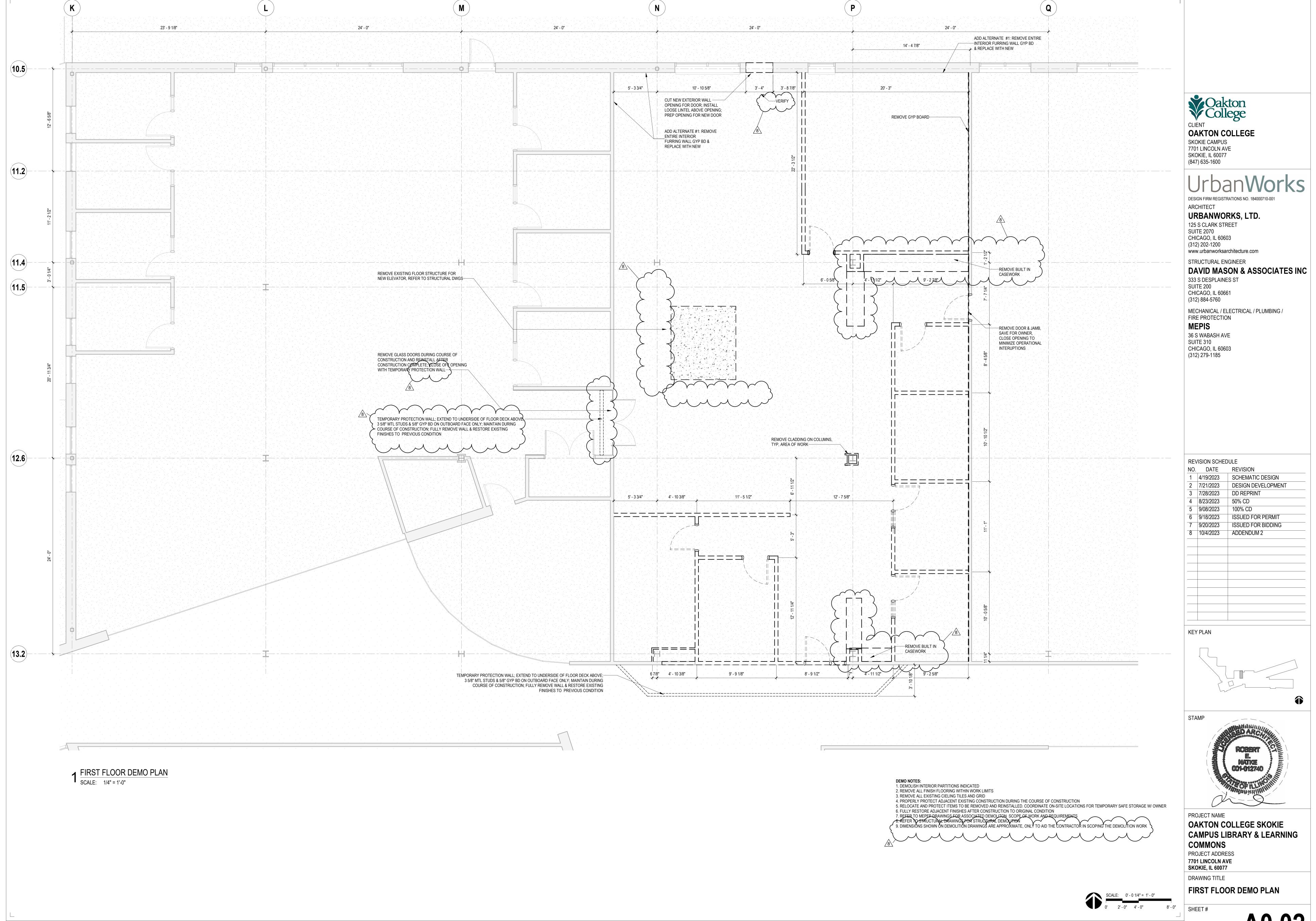
SPECIFICATIONS

Numerous specification sections have been revised. All revisions are indicated with "track changes" in RED.

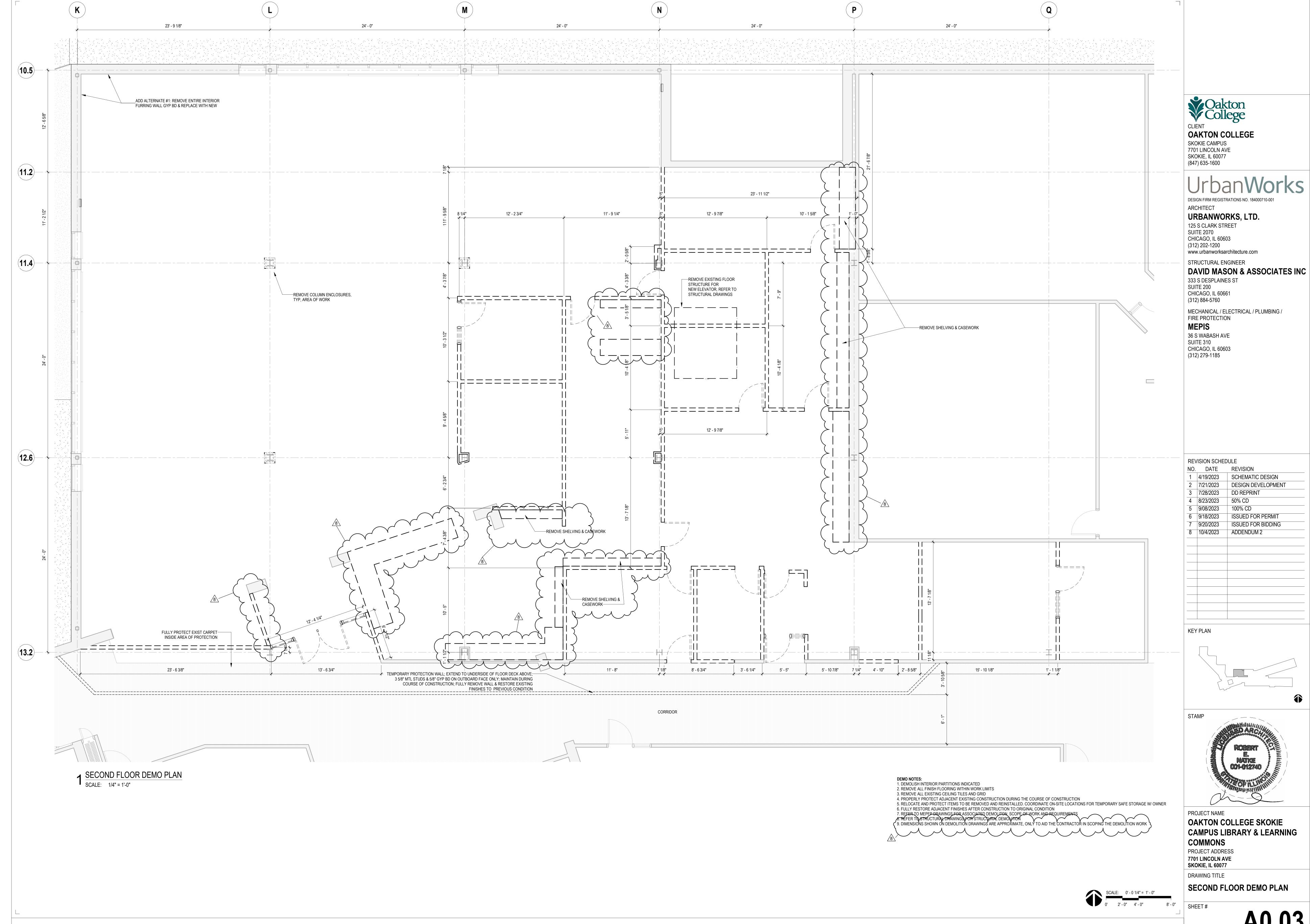
EXHIBITS ATTACHED

Sheets: A0.02, A0.03, A6.12

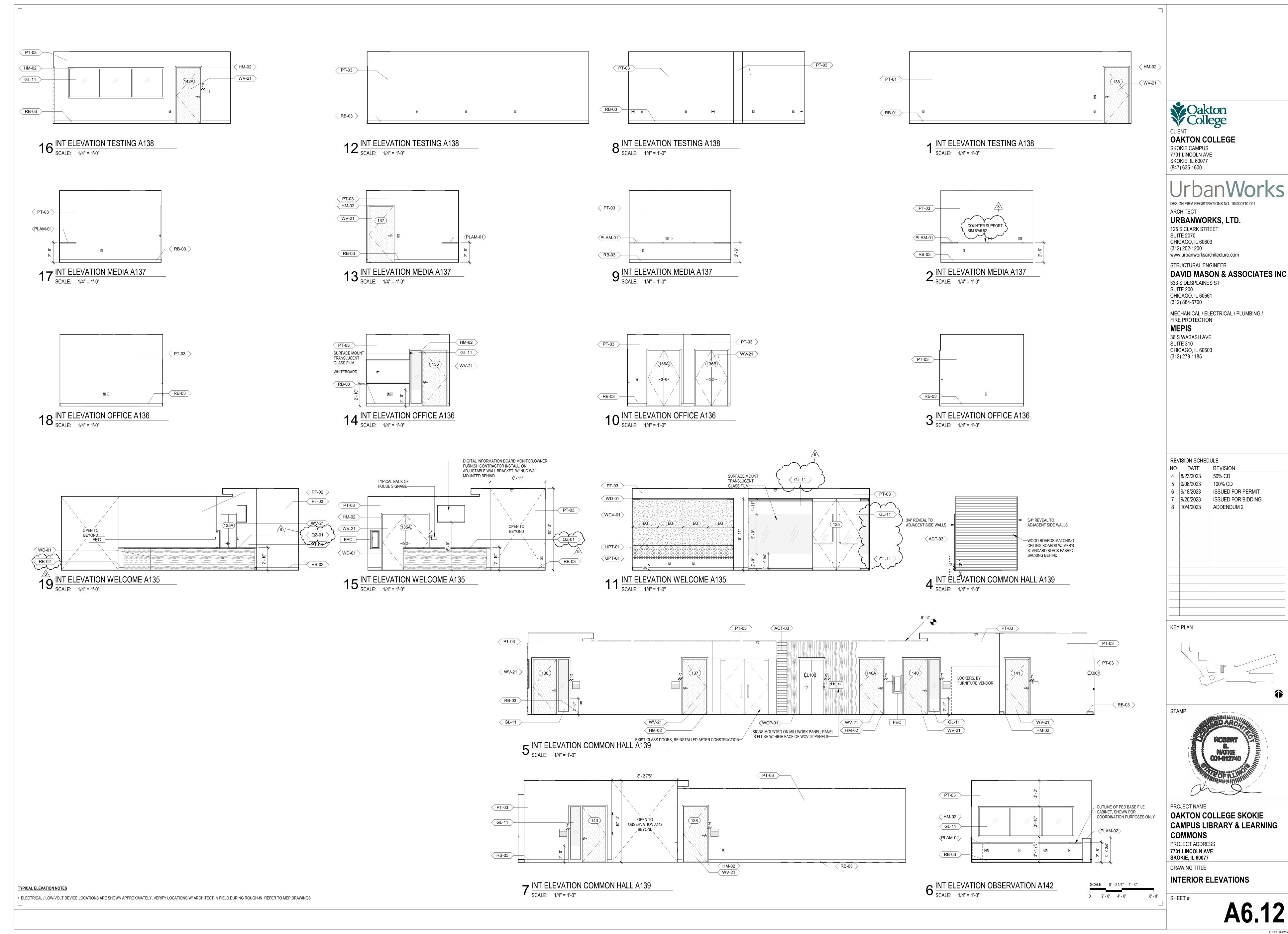
Specifications: 101100 – Visual Display Units



J.U2



.03



CSI Form 1.5C

SUBSTITUTION REQUEST (During the Bid Period)

Project: Oa	akton College Skokie Campus	Substitution Request Number:
L	ibrary and Learning Commons	From: Ceil Ann Tomalis
To: U	rban Works, Ltd.	Date: 09/27/2023
		A/E Project Number: P2224
Re: 101	100 Visual Display Boards	Contract For:
	Title: Visual Display Units	Description: Markerboards
Section: 10	01100 Page:	Article/Paragraph:
Manufacturer Trade Name: Attached data of the request	a includes product description, specifications, drawin t; applicable portions of the data are clearly identified.	manufacturer Bloomfield Hills, MI Phone: 947-955-6482 DTS Series gs, photographs, and performance and test data adequate for evaluation act Documents that the proposed substitution will require for its prop
 Proposed 	d substitution has been fully investigated and determine	ned to be equal or superior in all respects to specified product.
Proposed Same wa Same ma Proposed Proposed	d substitution has been fully investigated and determine arranty will be furnished for proposed substitution as a saintenance service and source of replacement parts, as d substitution will have no adverse effect on other traded substitution does not affect dimensions and function to will be made for changes to building design, incion.	or specified product. applicable, is available. es and will not affect or delay progress schedule.
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Form Version: June 2004 CSI Form 1.5C

OAKTON COLLEGE SKOKIE CAMPUS LIBRARY & LEARNING COMMONS

101100

VISUAL DISPLAY UNITS

MATERIALS SPECIFIED PLATINUM VISUAL SYSTEMS

Markerboards:

Face Sheet: Porcelain Steel Porcelain Steel
Core: Particleboard Particleboard
Backer aluminum foil aluminum foil
Trim Finish Satin Anodized Satin Anodized
Trim Series Claridge 200 DTS Series

Chalktray Flat Flat

Warranty 5 year against crazing, cracking 50 years against crazing, cracking

Boards: Drop-In Tray Trim System [DTS]



- All extrusions are manufactured with high-quality aluminum alloy to exacting specifications.
- Heavy-duty aluminum extrusions come standard in clear satin anodized. Also available in optional dark bronze anodized or a variety of powder coated finishes.
- Safety first: radius blade tray ends equal no sharp edges.

Suggested Specifications

PART 1: general

1.1 SECTION INCLUDES

A. Porcelain-on-Steel Markerboards.

- B. Porcelain-on-Steel Chalkboards.
- C. Colored Cork Tackboards.
- D. Visual Display Board Accessories.

1.2 RELATED SECTIONS

- A. Section 06100 Wood or Steel Blocking.
- B. Section 09000 Gypsum Wall Board.
- C. Section 09720 Vinyl Wall Coverings.
- D. Section 09900 Paints and Coatings.

1.3 REFERENCES

- A. ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
- B. ASTM E84 -Test Method for Surface Burning and Characteristics of Building Materials.
- C. ASTM C540 Gloss Test for Porcelain Enamel Steel (Porcelain Enamel Institute PEI-501).

1.4 SUBMITTALS

- A. Submit products and samples under provisions of Section 01300.
- B. Product Data: Provide technical data for products specified. Include Material Safety Data Sheets, when applicable.
- C. Shop Drawings: Provide shop drawings for each type of visual display board specified including section details indicating trim, face, core and backing materials, dimensions, joint locations and special anchor details.
- D. Color Samples: Submit set of color chips displaying manufacturer's full range of colors and finishes.
- E. Product Samples: Submit samples not less than twelve inches square and framed on two adjacent sides, to illustrate materials, finish, color, and configuration of each type of visual display board required.
- F. Care and Maintenance Data: Provide data on cleaning requirements, stain removal, and recommended maintenance precautions.

1.5 DELIVERY, STORAGE AND HANDLING

A. Comply with manufacturer's instructions for handling and storage of Visual Display Boards.

1.6 PROJECT CONDITIONS

- A. Field measure prior to fabrication to ensure proper fit.
- B. General contractor to maintain proper climate before, during and after installation.

1.7 WARRANTY

- A. Submit manufacturer's "Life of Building" warranty, stating that under normal usage and maintenance, and when installed in accordance with manufacturer's instructions and recommendations, Porcelain-on-Steel Markerboards and Chalkboards are guaranteed for the life of the building.
- B. Warranty shall cover replacement of defective Porcelain-on-Steel Markerboards and Chalkboards due to discoloration, excessive fading of color, crazing, cracking or flaking. Warranty does not cover the cost of removal or reinstallation.

PART 2: products

2.1 MANUFACTURERS

- A. Provide visual display boards as manufactured by Platinum Visual Systems™, Corona, California. Tel.: (800)498-2990 Fax: (951)817-9900. Email: info@pvsusa.com. Website: www.pvsusa.com.
- B. Substitutions: See Section 01600 Product Requirements.

2.2 MARKERBOARD AND CHALKBOARD MATERIALS

A. Steel Face Sheets: Writing surface will be Writanium® 28 gauge steel face with porcelain enamel finish fused to the steel sheet using a continuous coil process.

- 1. Markerboard and Chalkboard surface shall be fused at a temperature of 1450° and 1200°, respectively.
- 2. The gloss of the writing surface will not increase more than three units when subjected to wearability tests specified in testing procedures for 30 hours.
- B. Core Material: 1/2" particleboard.
- C. Backing Material: .005" aluminum backing sheet.
- D. Metal Trim and Accessories: 6063 aluminum alloy with a T5 temper.
- E. Adhesive: As recommended by manufacturer for project conditions.

2.3 PORCELAIN-ON-STEEL MARKERBOARDS AND CHALKBOARDS

- A. Provide Markerboards and Chalkboards for project from manufacturer's DTS Series.
 - 1. Metal trim and accessories: DTS Series aluminum extrusions with clear satin anodized finish.
 - a. Chalktray CR315: Standard continuous solid chalktray with ribbed section and smoothly curved and polished ends.
 - b. Map Rail MR411: Standard 1" high continuous rail with colored cork insert as follows:
 - 1) End stops: One pair per Map Rail.
 - 2) Map hooks: One every 2' of Map Rail.
 - 3) Roller brackets: One pair per Map Rail.
 - 4) Flag holder: One per room.
 - c. Frame CH215: Standard channel frame with 3/4" face.
 - 2. Size: As shown on drawings.
 - 3. Color: As selected from manufacturer's standard colors.

2.4 COLORED CORK TACKBOARD MATERIALS

A. Face Sheet: Colored cork surface will be 1/4" resilient homogenous tackable linoleum surface consisting of linseed oil, granulated cork, rosin binders and dry pigments calendared onto natural burlap backing. Color shall extend through thickness of material and be self-healing.

- B. Core Material: 1/4"≠≠ medium density fiberboard.
- C. Metal Trim: 6063 aluminum alloy with T5 temper.
- D. Adhesive: As recommended by manufacturer for project conditions.

2.5 COLORED CORK TACKBOARDS

A. Provide Tackboards for project from manufacturer's DTS Series.

- 1. Metal trim and accessories: DTS Series aluminum extrusions with clear satin anodized finish.
 - a. Frame CH215: Standard channel frame with 3/4" face.
- 2. Size: As shown on drawings.
- 3. Color: As selected from manufacturer's standard colors.

2.6 FABRICATION

- A. Laminate facing sheet and backing sheet to core material under pressure, using manufacturer's recommended adhesive.
- B. Provide factory-assembled visual display boards, except where sizes demand partial field assembly.
- C. Assemble units in one piece without joints, wherever possible. Where required dimensions exceed maximum panel size available, provide two or more pieces of equal length, as indicated on approved shop drawings. Assemble to verify fit at factory, then disassemble for delivery and final assembly at project site.

PART 3: **execution**

3.1 EXAMINATION

A. Verify that substrates are properly prepared to receive visual display boards. Do not begin installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's installation instructions.
- B. Where visual display boards must be partly assembled at project site, use factory-supplied H-bar to maintain proper alignment.
- C. Install visual display boards level and plumb, keeping perimeter trim aligned in accordance with manufacturer's recommendations.

3.3 ADJUSTING AND CLEANING

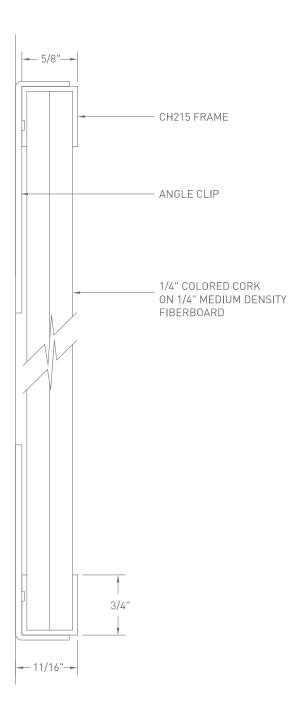
- A. Verify that all accessories are installed as required for each unit.
- B. Upon completion of installation, clean surfaces and trim in accordance with manufacturer's recommendations, leaving all materials ready for use.

DTS: Specifications

MARKERBOARD/CHALKBOARD

- 1 1/16^{''}-MR411 1" MAP RAIL WITH COLORED CORK INSERT - ANGLE CLIP 28 GA. PORCELAIN ENAMEL STEEL ON 1/2" PARTICLEBOARD WITH A .005" ALUMINUM BACKING SHEET — 2 3/4"— CR315 CHALKTRAY -5/8" - 3 15/32"-

TACKBOARD





e³ environmental ceramicsteel™

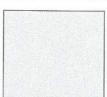
Writing Surfaces by PolyVision

The new e³ environmental ceramicsteel surface is the first and only ecologically intelligent whiteboard surface to receive Cradle to Cradle certification, and PolyVision's fourth generation of ceramicsteel writing surfaces. e^{3™} delivers the properties of PolyVision's best selling writing surface, P3 ceramicsteel®, and complies with Cradle to Cradle™ Silver certification criteria, which places a major emphasis on the human and ecological health impacts of a product's ingredients. For over five decades, millions of boards have been produced around the world using PolyVision ceramicsteel. PolyVision used this cross section of consumers to gather the information that helped determine what the next generation of writing surfaces should provide. Our internationally renowned R&D team worked with experts in the field of ceramics and technology to create e3 environmental ceramicsteel surface - the new industry standard for superior quality.

e3 Surface - High-Gloss and Low-Gloss* Markerboards







LIGHT GRAY High Gloss 6101H Low Gloss 6101L



BEIGE High Gloss 6102H Low Gloss 61021

e3 Surface - Ultra Matte Chalkboards







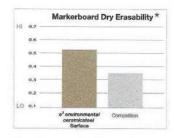
BLACK Ultra Matte 6501U

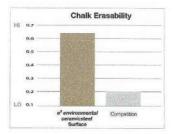


GRAY Ultra Matte 6502U

* There are characteristic and performance differences between High-Gloss and Low-Gloss. For further detail, refer to the chart on the backside of this card under Low-Gloss Markerboards. For additional questions, specifications, and sample color chips, please call 1.800.620.POLY.

Actual colors may vary from the colors shown. Please contact your sales representative for color samples.





The ultra-smooth finish enables dry markers and chalk to glide easily across the e3 environmental ceramicsteel surface with minimal friction. The surface smoothness allows more dry-erase ink and chalk to be removed, improving erasability and eliminating "ghost writing."

Environmental Features

- Enamel fused to cold-rolled enamelling-grade steel
- In all coatings, the total amount of heavy metals cadmium, mercury, hexavalent chromium, and lead is less than 0.1%
- All coatings are free of arsenic and antimony
- No Volatile Organic Compounds (VOCs)
- Steel core is made from minimum 30% post-consumer and post-industrial waste
- e3 environmental ceramicsteel surface is 99% recyclable

PolyVision Ceramicsteel Advantage

- · Ultra-smooth writing surface
- Improved erasability
- Greater color contrast
- Significantly less surface/light distortion
- Optimum eye comfort
- Enhanced visibility
- Reduced chalk pressure, greater adherence
- Increased chalk/surface contrast











PolyVision Corporation 1.800.620.POLY www.polyvision.com info@polyvision.com



^{*}All markerboard erasability tests were conducted using High-Gloss et environmental ceramicsteel surfaces.

e3 environmental ceramicsteel Surface

Specifications

Materials

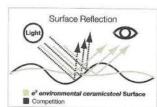
All ceramicsteel panels will be supplied with light-gauge steel. The ceramic finish is fused to the steel sheet at a temperature of approximately 1250°F for chalkboards and 1500°F for markerboards.

Finishes

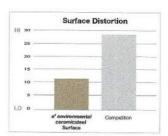
The ceramic finish will consist of a specially formulated glass substance applied by machine. Base metal will be coiled enameled steel of an alloy suitable for the application of architectural porcelain employing a continuous coil process. Base metal will be properly pre-cleaned and treated to assure a complete bond between the steel and the subsequent ceramic coatings. Both surfaces of steel based metal will receive a ground coat of ceramic frit to be fused to the metal in a firing operation used exclusively for ground coat application to prevent contamination. A color cover coat of ceramic frit will be applied to one surface of the ground coat and fused by a firing operation used exclusively for color application. All ceramic coatings will be machine applied with automated equipment for maximum finish uniformity. Firing temperature will be approximately 1250°F for chalkboard and 1500°F for markerboard. Panels will be specified in any standard color listed on this color guide. The gloss of writing surfaces will not increase by more than three units when subjected to wearability tests specified in testing procedures for 30 hours (approximately 126,000 strokes).

Characteristic e ² environmental ceramicsteel Markerboard		e ⁵ environmental ceramicsteel Chalkboard	
Write-ability	Can be written on with any dry-erase, semi-permanent, water- soluble, permanent marker, pen, or crayon without damaging the surface.	Superior, low-gloss, matte finish readily accepts chalk providing a sharp, unbroken line with less pressure and maximum surface adherence.	
Visibility	Contrast/waviness for markerboards (light and dark effects) shall be no greater than 15 when tested with BYK - Gardner Wave Scan 5+ measurement device showing visual acuity (contrast sensitivity) to the human eye at distances greater than 3 meters (10°-0°). Resolution (visual acuity) shall be based on 3 lines per degree and be visibly maintained beyond the current standard of 3 meters.	Contrast/waviness for chalkboards (light and dark effects) shall be no less than 20 when tested with the contrast masaurement test with 773-gram load on chalk. Resolution (disual acuty) shall be beased on 3 times per degree and be visibly maintained beyond the current standard of 3 meters.	
Erasability	Dry-erase marker ink can be wiped off easily with a dry cloth or standard eraser. Crayon, semi-permanent, and permanent marker pen inks can be removed with a solvent based cleaner.	Erases easily with a dry doth or standard chalk eraser, retains minimal residual chalk dust, and will not leave "ghost writing." Color change (dark/ight) after chalk erasing is reduced 60% from traditional surfaces.	
Cleanability (Washability)	All residues that remain after normal erasing can be removed by following the care and cleaning instructions on the www.CleanMyBoard.com website.	WET Ghost measurements on chall-board surfaces before and after wet cleaning shall not exceed a factor of 0.49. For fur five care and cleaning instructions, refer to the www.CleanMyBoard.com website.	
Wearability Virified glass-hard ceramic surface fused to light-gauge enameling grade steel at approximately 1500°F. High resistance to impact damage, abrasion, sonatching, and color fading. The e* environmental ceramicsteel surface registers a 6.5 on the revised Mohs handness scale.		Vitrified glass-hard ceramic surface fused to light-gauge enameling grade steel at approximately 1250°F. High resistance to impact damage, abrasion, scratching, and color fading. The ef-environmental ceramicstee surface registers at a minimum of 5 on the revised Mohs hardness scale.	
Magnet Capability	The e ⁴ environmental ceramicsteel surfaces are ideal for all magnets and magnetic impregnated materials and will not be scratched or damaged from the contact.	The e ³ environmental ceramicsteel surfaces are ideal for all magnets and magnetic impregnated materials and will not be scratched or damaged from the contact.	
Flame Resistance	The e ² surface is 100% non-combustible.	te la 100% non-combustible. The e ³ surface is 100% non-combustible.	

Product and Characteristic	Writeability	Erasability	Cleanability
e ³ environmental ceramicsteel Low-Gloss Markerboard	Provides the same writing characteristics as High-Gloss.	Low-Gloss surfaces will not erase as thoroughly as High- Gloss surfaces. When this occurs, a water-dampened cloth will be required to erase the surface.	After normal erasing of Low-Gloss surfaces, solvents may be used to remove harder-to- erase dry marker inks and residue from other pors. Always clear water rines after using a clearing agent on the surface. Refer to www.CleantWBoard.com for further details.



The e³ environmental ceramicsteel surface maximizes the performance of reflected light and reduces surface glare, resulting in improved visibility under a wide range of lighting conditions.



Surface distortion (Orange Peel) has been reduced by 44% in direct comparison with the original surface.









Environmental Policy: PolyVision strives for continuous improvement in all areas of environmental stewardship – responsible use of raw materials and natural resources, design processes and operation of all facilities – to protect, replenish, and restore the communities in which we live and serve.

Simple, Effective, Extraordinary, The way communication should be.



SECTION 10 11 00 VISUAL DISPLAY UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Porcelain enamel steel markerboards.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 Rough Carpentry: Blocking and supports.
- B. Section 09 21 16 Gypsum Board Assemblies: Concealed supports in metal stud walls.
- C. Section 09 91 23 Interior Painting: Finishing of wood frame and marker rail.

1.03 REFERENCE STANDARDS

- A. ANSI A208.1 American National Standard for Particleboard 2022.
- B. ASTM A424/A424M Standard Specification for Steel, Sheet, for Porcelain Enameling 2018.

1.04 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's data on porcelain enamel steel markerboard, trim, and accessories.
- C. Shop Drawings: Indicate wall elevations, dimensions, joint locations, special anchor details.
- D. Samples: Color charts for selection of color and texture of porcelain enamel steel markerboard and trim.
- E. Test Reports: Show compliance to specified surface burning characteristics requirements.
- F. Manufacturer's printed installation instructions.
- G. Manufacturer's Qualification Statement.
- H. Maintenance Data: Include data on regular cleaning, stain removal ...and[____].

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

1.06 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide five year warranty for chalkboard and markerboard to include warranty against discoloration due to cleaning, crazing or cracking, and staining.

PART 2 PRODUCTS

2.01 VISUAL DISPLAY UNITS

- A. Porcelain Enamel Steel Markerboards:
 - 1. Manufacturers:
 - a. AJW Architectural Products: www.ajw.com/#sle.
 - b. ASI Visual Display Products: www.asi-visualdisplayproducts.com/#sle.

 - d. Platinum Visual solutions: www.pvusa.com.
 - 2. Color: White.
 - 3. Steel Face Sheet Thickness: 24 gauge, 0.0239 inch (0.61 mm).
 - 4. Core: Particleboard, manufacturer's standard thickness, laminated to face sheet.
 - 5. Backing: Aluminum foil, laminated to core.
 - 6. Size: As indicated on drawings.
 - 7. Frame: Extruded aluminum, with concealed fasteners.
 - 8. Frame Finish: Anodized, natural.
 - 9. Accessories: Provide marker tray.

- 10. Products:
 - a. Basis of Design: Claridge Series 200.

2.02 MATERIALS

COMMONS

- A. Porcelain Enameled Steel Sheet: ASTM A424/A424M, Type I, Commercial Steel, with fired-on vitreous finish.
- B. Particleboard: ANSI A208.1; wood chips, set with waterproof resin binder, sanded faces.
- C. Foil Backing: Aluminum foil sheet, 0.005 inch thick (0.13 mm thick).

2.03 ACCESSORIES

- A. Temporary Protective Cover: Sheet polyethylene, 8 mil (0.2 mm) thick.
- B. Cleaning Instruction Plate: Provide instructions for chalkboard cleaning on a metal plate fastened to perimeter frame near chalkrail.
- C. Marker Tray: Aluminum, manufacturer's standard profile, one piece full length of markerboard, molded ends, concealed fasteners, same finish as frame.
- D. Mounting Brackets: Concealed.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that internal wall blocking is ready to receive work and positioning dimensions are as indicated on shop drawings.
- C. Verify flat wall surface for frameless adhesive-applied boards.

3.02 PREPARATION

- A. Acclimatize tackable wall panels by removing from packaging in installation area not less than 24 hours before application.
- B. Remove switchplates, wall plates, and surface-mounted fixtures where tackable wall paneling is applied. Reinstall items on completion of installation.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

- A. Install boards in accordance with manufacturer's instructions.
- B. Install with top of marker tray at 30 inches (760 mm) above finished floor.
- C. Secure units level and plumb.
- D. Butt Joints: Install with tight hairline joints.
- E. Carefully cut holes in boards for thermostats.
- F. Install tackable wall panels in accordance with manufacturer's recommendations on specified substrates with concealed attachments.
 - Fabricate re-wrapped edges where partial panels about each other, or adjacent surfaces or trim.
 - 2. Re-wrap top, bottom or side edges for cutting panels around door or window openings, abutting trim, protruding objects, and at other openings, including x-cut at receptacles, light switches, and other openings.

3.04 CLEANING

- A. Clean board surfaces in accordance with manufacturer's instructions.
- B. Cover with protective cover, taped to frame.
- C. Remove temporary protective cover at Date of Substantial Completion.

END OF SECTION 10 11 00