



Purchasing Division
Finance Department
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Duluth, Minnesota 55802

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purchasing@duluthmn.gov

Addendum 1
Solicitation 22-99042
USCBP Cruise Facility

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. Changes identified in the Attached Addendum One (1) from DSGW.
2. The prevailing wage decision included in the bid package is replaced by MN State Commercial Wage Decision for St. Louis County, effective 12/27/21. Please see the attached revised Labor Cost Bidding Data form and the prevailing wage decision.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com

Posted: **January 7, 2022**

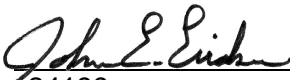


ADDENDUM ONE (1)

project USCBP Cruise Ship Facility Build-Out
project # 019098.10
date 01/07/2022
from John Erickson DSGW Architects, Inc.
to All planholders for above project

The following addendum shall become part of the construction documents for the construction of the above referenced project.
This addendum supersedes and supplements all previous reference to similar items.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am duly a Licensed Architect under the laws of the State of Minnesota.

Signature 
Registration # 24199
Date 01/07/2022

- general clarifications*
1. Plan Review / permit application has already been submitted to the City of Duluth. Final permit fee will be paid for by Owner. Do not include permit cost in bid.
 2. Pre-Bid Agenda Minutes and Sign In sheet attached.
 3. The Owner (DECC) will remove any items from the spaces that they will be keeping prior to the construction start. There is no intended specific salvage of any material that will be removed as part of the demo. This will be reviewed for final confirmation at the Pre construction meeting.

<i>specifications</i>	SECTION	DESCRIPTION
	00 01 10	TABLE OF CONTENTS 1. OMIT this section as originally issued and REPLACE with REVISED Section 00 01 10 as included with this addendum.
	06 20 00	FINISH CARPENTRY 1. OMIT this section as originally issued and REPLACE with REVISED Section 06 20 00 as included with this addendum.
	08 12 13	HOLLOW METAL DOORS 1. OMIT this section from this Bid In order to minimize long lead time issues and will be direct purchased by the City of Duluth. The GC will still be responsible for full coordination, installation, and quality control as per the specifications.
	08 14 16	FLUSH WOOD DOORS 1. OMIT this section from this Bid In order to minimize long lead time issues and will be direct purchased by the City of Duluth. The GC will still be responsible for full coordination, installation, and quality control as per the specifications.
	08 43 13	ALUMINUM FRAMED STOREFRONTS 1. OMIT this section as originally issued and REPLACE with REVISED Section 08 43 13 as included with this addendum.

08 71 00 DOOR HARDWARE

1. OMIT this section from this Bid
In order to minimize long lead time issues and will be direct purchased by the City of Duluth. The GC will still be responsible for full coordination, installation, and quality control as per the specifications.

drawings

SECTION DESCRIPTION

A1.1 DEMO AND RCP PLAN

1. 2/A1.1: Note to demo and remove existing glazing REMOVED.
2. 3/A1.1: REVISED annotation.

A2.1 FIRST FLOOR PLAN

1. 1/A2.1: REVISED annotations. REVISED wall type. ADDED elevation and section marker. East fencing REVISED to wood fence. ADDED wood fence detail and elevation.

A4.1 SCHEDULES AND TYPES

1. Drawings rearranged
2. 8/A4.1: Plan REVISED
3. 10/A4.1: Privacy screen/fencing REVISED to show no gap to canopy structure. ADDED frame. REVISED annotations.
4. 12/A4.1: New canopy elevation.
5. Note ADDED to canopy drawings. Chain-link to be part of canopy construction by canopy supplier
6. Frame type HM-F2 REMOVED.
7. Frame type AL-F1 REVISED.
8. Note for doors in CMU wall to have 4" head.
9. Door 102 frame type REVISED.
10. Spandrel glazing color noted.

A6.1 BUILDING AND WALL SECTIONS

1. 6/A6.1: REVISED annotations.

A7.1 INTERIOR ELEVATIONS & DETAILS

1. Sheet REISSUED.

F1.0 FURNITURE PLAN

1. Details referenced REVISED.
2. AED and handgun locker ADDED.
3. Updated Finish Text Description on signage key.
4. 1/F1.0: Privacy screen/fencing note REVISED. East privacy screen/fencing REVISED to redwood fencing.

SE1.0 SECURITY UPGRADES 2022

1. UPDATED reference to REPLACE previous sheet.

Approvals

The following manufacturers of materials and equipment are approved for the incorporation into this project based on the information submitted to the Architect/Engineer. The cost of any modifications required to make the materials comply with the Specifications shall be borne by the Contractor/Supplier. Any extra cost of other trades as a result of any of the substituted material shall be borne by the Trade Contractor of material suppliers making these substitutions. The approved substitute materials are subject to final specific submittal review by the Owner or Architect/Engineer

Section	Description	Approved
04 20 00	Unit Masonry (2.04)	York Manufacturing stainless steel flexible flashings.

*mechanical /
electrical
consultant* **Obernel Addendum ONE (1), dated 01/07/2022, is to be included with this addendum as attached (3 Pages)**

- enclosures*
- Pre-Bid Agenda Minutes and Sign In sheet – (4 pages)
 - Spec. Section 00 01 10 – Table of Contents – Revised (3 pages)
 - Spec. Section 06 20 00 – Finish Carpentry – Revised (4 pages)
 - Spec. Section 08 43 13 – Aluminum Framed Storefronts – Revised (4 pages)
 - Architectural drawings A1.1, A2.1, A4.1, A6.1, A7.1, and F1.0 (36x24) (6 pages)
 - Security drawing SE1.0 (34 x 23) (1 page)
 - Obernel Addendum 1 (1 – 8.5x11; 2 – 36x24) (3 pages)
-

This addendum shall become part of this bid. The bidder shall insert the addendum number in the space where indicated on the proposal form. Failure to comply may result in the bid being rejected.

END OF ADDENDUM ONE (1)



AGENDA

project USCBP Cruise Facility
project # 019098.1
date January 4, 2022
subject Pre-Bid Meeting Agenda
from John Erickson
to Planholders
cc

See attached meeting attendance sign in sheets

Meeting minutes indicated below in RED

1. Introductions
 - a. DSGW Architects – John Erickson, Emerson Smith
 - b. City of Duluth – Patti Stalvig – Purchasing Agent
Erik Birkeland , Robert Hurd – Property and
Facilities
 - c. DECC Jeff Stark – Dir. Of Operations
Steve Rankila - Facilities
2. Project contract will be with the City of Duluth
City of Duluth Instructions to Bidders
 - i. Insurance
 - ii. Payment and Performance Bonds
 - iii. Project Labor Agreement (PLA)
 - iv. Community Benefits Provisions
 - v. Out of State Contractor
 - vi. Prevailing Wage
3. Project Summary
 - a. Buildout of space within the Duluth Entertainment Convention Center
for the US Customs and Border Protection Cruise Ship Processing
Facility.
 - i. Site work shown on the AMI drawings are included only for
reference, are part of a separate future project and are not part
of this bid.
 - ii. Security, access controls etc. shown on the Summit drawing
included in the drawing set is shown for reference /
coordination for electrical related rough-ins only. Components
shown on the drawing are not part of this bid.
4. Acquiring Bidding Documents – Electronic copies available thru City of Duluth web
portal or by contacting DSGW – Dawn Rowan drowan@dsgw.com
5. Addenda #1 will be issued Friday January 7
6. Deadline for questions is 12:00 Noon on Thursday January 6

AGENDA

- a. Please issue questions via email through the City of Duluth Purchasing portal for routing to the Design Team
- 7. Bid Security – 5% Bid Bond - C of Duluth Instructions to Bidders
- 8. ~~Exempt from C of Duluth 1% sales tax.~~
 - a. CLARIFICATION - This project is NOT EXEMPT from the City of Duluth sales tax which is 1.5%
- 9. Virtual Bid Opening Date – January 13, 2022 @ 2pm – as per C of Duluth Invitation
- 10. Construction Schedule – January 31, 2022 – April 15, 2022
- 11. Material Lead Time concerns
 - a. Material lead time issues that affect the project schedule will need to be reviewed as soon as they are known so that alternate material / approach can be discussed and coordinated with USCBP/DECC/ CofD
 - i. Please review with your subs as you clarify their numbers if there will be any anticipated lead time concerns that may affect the required completion schedule.
 - b. FYI - Clarification will be included in Add#1. HM Doors, Frames, and hardware package will be direct purchase with the City of Duluth in order to head off long lead time issues that have been experienced for the 14 GA frames and doors.
- 12. (Q and A's)
 - Contractor parking will require monthly pass for ramp or surface parking to be coordinated. A minimum of parking along Harbor Drive near the project site may be set aside but will be confirmed during a Pre- Construction Meeting.

END OF AGENDA



SIGN-IN

project USCBP Cruise Facility
project # 019098.1
date January 4, 2022
time 10:00 AM
location 323 Harbor Drive

	NAME	COMPANY/ORGANIZATION	PHONE/EMAIL
1	KEVIN E. SEARCE	Back Bay Tech	kevin.e.searce@backbaytech.com
2	TORY GEORGE	REC Solutions	tory.george@recsolutions.com
3	BRYAN ADELMAN	Summit (320) 980-8404	
4	Robert Parks	SY	BADELMAN@SUMMITFIRE.COM
5			Robert.Parks@syinc.us
7	Derek Lindqvist	SERVPRO	D.LINDQUIST@SERVPROTWINCIPETA
8	chad ranchetti	Kraus Anderson	chad.ranchetti@krausanderson.com
9	MIKE ROSAN	KA	MIKE.ROSAN@KRAUSANDERSON.COM
10	MATT SISLO	CSM	MATT@CSMSUPRIOR.COM
11	Max Holm	DHCE	MAX@DONALDHOLMQUIST.COM
12	DEREK MISIEWICZ	Max Gray	DMISIEWICZ@MAXGRAYCONSTRUCTION.COM
13			
14			
15			
16			
17			

END OF SIGN IN



SIGN-IN

project USCBP Cruise Facility
project # 019098.1
date January 4, 2022
time 10:00 AM
location 323 Harbor Drive

	NAME	COMPANY/ORGANIZATION	PHONE/EMAIL
1	Patti Staley	City of Duluth	218-730-5340
2	Josh Koepman	Gardner Duluth	218-576-8607
3	Max Ludwig	Gardner Duluth	218 428 1752
4	Tom Woerdeman	American Engineering Testing	218-216-9902
5	Tyler Peterson	JAMAR	218-409-4797
7	DEAN BIRMAN	HUNT ELECTRIC	218-355-0358
8	Paul Schwaben	Hunt Electric	218 628 3323
9	John LORENZ	JWC	218 428-7001
10	Chris Michel	JR Jensen	715-947-2045
11	Brad Zezwilka	Stack Brothers	218-591-5267
12	Nathan Fox	LAKEHEAD	(218) 491-4569
13	Ben Felland	Oberhel / CMTA	218-336-5891
14	TRAVIS PENNEY	Oberhel / CMTA	218-428-2818
15			
16			
17			

END OF SIGN IN

SECTION 00 01 10
TABLE OF CONTENTS - REVISED

USCBP CRUISE FACILITY
DULUTH, MINNESOTA

DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

- 00 01 01 – Project Title Page
- 00 01 10 – Table of Contents
- 00 01 15 – Schedule of Drawings
- 00 43 25 – Request for Approval of Substitution
- 00 72 00 – General Conditions
- 00 73 00 – Supplementary Conditions

DIVISION 01 -- GENERAL REQUIREMENTS

- 01 10 00 – Summary
- 01 20 00 – Price and Payment Procedures
- 01 30 00 – Administrative Requirements
- 01 40 00 – Quality Requirements
- 01 50 00 – Temporary Facilities and Controls
- 01 60 00 – Product Requirements
- 01 70 00 – Execution and Closeout Requirements
- 01 78 00 – Closeout Submittals

DIVISION 02 -- EXISTING CONDITIONS

- 02 41 00 – Demolition

DIVISION 03 -- CONCRETE

- 03 10 00 – Concrete Forming
- 03 20 00 – Concrete Reinforcing
- 03 30 00 – Cast in Place Concrete

DIVISION 04 -- MASONRY

- 04 20 00 – Unit Masonry

DIVISION 05 -- METALS

- 05 50 00 – Metal Fabrications

DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES

- 06 10 00 – Rough Carpentry
- 06 20 00 – Finish Carpentry
- 06 41 00 – Architectural Wood Casework
- 06 82 13 – Fiberglass Reinforced Wall Panels

DIVISION 07 -- THERMAL AND MOISTURE PROTECTION

- 07 21 00 – Thermal Insulation
- 07 21 19 – Foamed in Place Insulation - Polyisocyanurate
- 07 25 00 – Weather Barriers
- 07 62 00 – Sheet Metal Flashing and Trim
- 07 84 00 – Firestopping
- 07 90 05 – Joint Sealers

DIVISION 08 -- OPENINGS

- ~~08 12 13 – Hollow Metal Frames~~
- ~~08 14 16 – Flush Wood Doors~~
- 08 31 00 – Access Doors and Panels
- 08 43 13 – Aluminum Framed Storefronts
- ~~08 71 00 – Door Hardware~~
- 08 80 00 – Glazing

DIVISION 09 -- FINISHES

- 09 21 16 – Gypsum Board Assemblies
- 09 30 00 – Tiling
- 09 51 00 – Suspended Acoustical Ceilings
- 09 65 00 – Resilient Flooring
- 09 68 13 – Tile Carpeting
- 09 90 00 – Painting and Coating

DIVISION 10 -- SPECIALTIES

- 10 14 23 – Interior Signage
- 10 26 01 – Wall and Corner Guards
- 10 28 00 – Toilet, Bath, and Laundry Accessories
- 10 44 00 – Fire Protection Specialties
- 10 73 13 – Awnings

DIVISION 21 – FIRE SUPPRESSION

- 21 05 00 – Common Work Results for Fire Suppression
- 21 05 23 – General-Duty Valves for Water-Based Fire-Suppression Piping
- 21 05 53 – Identification for Fire Suppression Piping and Equipment
- 21 11 00 – Facility Fire-Suppression Water-Service Piping
- 21 13 00 – Fire Suppression Sprinkler Systems

DIVISION 22 – PLUMBING & PIPING DEMOLITION

- 22 00 60 – Plumbing & Piping Demolition
- 22 01 00 – Plumbing General Requirements
- 22 01 50 – Plumbing and Piping Materials and Methods
- 22 05 23 – General-Duty Valves for Plumbing Piping
- 22 05 29 – Hangers and Supports for Plumbing Piping and Equipment
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- 22 07 19 – Plumbing Piping Insulation
- 22 10 05 – Plumbing Piping
- 22 10 06 – Plumbing Piping Specialties
- 22 40 00 – Plumbing Fixtures

DIVISION 23 – HEATING, VENTING & AIR-CONDITIONING

- 23 00 60 – Mechanical Demolition
- 23 01 00 – Mechanical General Requirements
- 23 01 30.51 – HVAC Air-Distribution System Cleaning
- 23 05 13 – Common Motor Requirements for HVAC Equipment
- 23 05 29 – Hangers and Supports 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 Installation
- 23 09 23 – Direct-Digital Control System for HVAC
- 23 23 00 – Refrigerant Piping
- 23 31 00 – HVAC Ducts and Casings
- 23 33 00 – Air Duct Accessories
- 23 34 16 – Centrifugal HVAC Fans

23 37 00 – Air Outlets and Inlets
23 81 26.13 – Small-Capacity Split-System Air Conditioners
23 82 00 – Convection Heating and Cooling Units

DIVISION 26 -- ELECTRICAL

26 00 11 – Basic Material and Methods
26 05 05 – Selective Demolition for Electrical
26 05 19 – Low-Voltage Electrical Power Conductors and Cables
26 05 26 – Grounding and Bonding for Electrical Systems
26 05 29 – Hangers and Supports for Electrical Systems
26 05 33.13 – Conduit for Electrical Systems
26 05 33.16 – Boxes for Electrical Systems
26 05 53 – Identification for Electrical Systems
26 09 23 – Lighting Control Devices
26 24 13 - Switchboards
26 24 16 – Panelboards
26 27 26 – Wiring Devices
26 28 13 – Fuses
26 28 16.16 – Enclosed Switches
26 51 00 – Interior Lighting
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DIVISION 27 – COMMUNICATIONS

27 10 00 – Structured Cabling

DIVISION 31 -- EARTHWORK

31 22 00 – Grading
31 23 16 – Excavation
31 23 23 – Fill

END OF SECTION

SECTION 06 20 00
FINISH CARPENTRY - REVISED

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Finish carpentry items.
- B. Wood casings and moldings.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Support framing, grounds, and concealed blocking.
- B. Section 06 41 00 - Architectural Wood Casework: Shop fabricated custom cabinet work.

1.03 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials Current Edition.
- B. ANSI A135.4 - Basic Hardboard 2012 (R2020).
- C. ANSI A208.1 - American National Standard for Particleboard 2016.
- D. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test 2015.
- E. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- F. ASTM C1036 - Standard Specification for Flat Glass 2016.
- G. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass 2018.
- H. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2020.
- I. AWI (QCP) - Quality Certification Program Current Edition.
- J. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards 2014, with Errata (2018).
- K. AWMAC (GIS) - Guarantee and Inspection Services Program Current Edition.
- L. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards, U.S. Version 3.1 2017, with Errata (2019).
- M. AWP A U1 - Use Category System: User Specification for Treated Wood 2018.
- N. BHMA A156.9 - American National Standard for Cabinet Hardware 2015.
- O. GSA CID A-A-1936 - Adhesive, Contact, Neoprene Rubber 1996a (Validated 2013).
- P. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood 2016.
- Q. NEMA LD 3 - High-Pressure Decorative Laminates 2005.
- R. NHLA G-101 - Rules for the Measurement & Inspection of Hardwood & Cypress 2015.
- S. PS 1 - Structural Plywood 2009 (Revised 2019).
- T. PS 20 - American Softwood Lumber Standard 2020.
- U. WDMA I.S. 4 - Industry Specification for Preservative Treatment for Millwork 2015a.
- V. WI (CCP) - Certified Compliance Program (CCP) Current Edition.
- W. WI (CSIP) - Certified Seismic Installation Program (CSIP) Current Edition.
- X. WI (MCP) - Monitored Compliance Program (MCP) Current Edition.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with plumbing rough-in, electrical rough-in, installation of associated and adjacent components, and related.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

- B. Product Data:
 1. Provide manufacturer's product data, storage and handling instructions for factory-fabricated units.
 2. Provide data on fire retardant treatment materials and application instructions.
 3. Provide instructions for attachment hardware, finish hardware, and related.
- C. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
 1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
 2. Provide the information required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
 3. Include certification program label.
- D. Samples: Submit two samples of wood trim 6 inches long or as standard practice.

1.06 QUALITY ASSURANCE

- A. Fabricators:
 1. Perform work in accordance with Woodwork Institute Manual of Millwork, grades as indicated.
- B. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
 1. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
- C. Quality Certification:
 1. Comply with AWI (QCP) woodwork association quality certification service/program in accordance with requirements for work specified in this section: www.awiqcp.org/#sle.
 2. Provide labels or certificates indicating that the work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
 3. Provide designated labels on shop drawings as required by certification program.
 4. Provide designated labels on installed products as required by certification program.
 5. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.

1.07 MOCK-UP

- A. Locate where directed.
- B. Mock-up may remain as part of the Work.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver factory-fabricated units to project site in original packages, containers or bundles bearing brand name and identification.
- B. Store finish carpentry items under cover, elevated above grade, and in a dry, well-ventilated area not exposed to heat or sunlight.
- C. Protect from moisture damage.
- D. Handle materials and products to prevent damage to edges, ends, or surfaces.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Surface Burning Characteristics: Provide materials having fire and smoke properties as required by applicable code.
- C. Interior Woodwork Items:
 1. Plexi-glass frosted screen wall as shown on drawings. Work will include information from section 08 80 00 for 1-way mirror. Plexi-glass shall frosted and to the size and configuration shown on drawings.
 2. U channel as shown on drawings. Thickness should accommodate size of the plexiglass, see drawings for sizes and configurations.

2.02 WOOD-BASED COMPONENTS

- A. Provide sustainably harvested wood, certified or labeled as specified in Section 01 60 00 - Product Requirements.
- B. Wood fabricated from old growth is not permitted.

2.03 LUMBER MATERIALS

- A. Hardwood Lumber: indicated species, plain sawn, maximum moisture content of 6 percent ; with vertical grain , of quality suitable for transparent finish.

2.04 FASTENINGS

- A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.
- B. Adhesive for factory-fabricated units: Manufacturer's recommended adhesive for application.
- C. Fasteners: Of size and type to suit application; standard finish in concealed locations and standard finish in exposed locations.
- D. Concealed Joint Fasteners: Threaded steel, or hardwood biscuits.

2.05 ACCESSORIES

- A. Lumber for Shimming, Blocking, and furring: Softwood lumber of indicated species.
- B. Wood Filler: Solvent base, tinted to match surface finish color.

2.06 HARDWARE

- A. Hardware: Comply with BHMA A156.9.

2.07 FABRICATION

- A. All paneling, casework, benches, display cases, etc. shall be fabricated in accordance with Architectural Woodwork Standards 1st edition. Coordinate glass items with section 08 80 00.
- B. Shop assemble work for delivery to site, permitting passage through building openings.
- C. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- D. Door frames for all doors shall be fabricated to AWI Quality Standards Section 9, Custom Grade.
- E. Paneling: All paneling on walls and on furniture items with edges exposed with a reveal shall have a 1/8 inch hardwood edging of the same species applied.
- F. Veneered Wood Paneling: Provide "Z" type fastening clips for hanging panels in place.

2.08 SHOP FINISHING

- A. Apply wood filler in exposed nail and screw indentations.
- B. On items to receive transparent finishes, use wood filler that matches surrounding surfaces and is of type recommended for the applicable finish.
- C. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
- D. Back prime woodwork items to be field finished, prior to installation.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.
- C. See Section 06 10 00 for installation of recessed wood blocking.

3.02 INSTALLATION

- A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

- B. Set and secure materials and components in place, plumb and level.
- C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.
- D. All finished work shall be scribed and coped as required for an accurate fit and erected plumb, true, square and in accordance with the drawings. Correlate location of nailers, blocking grounds and similar supports to allow proper attachment or other work. All work shall be secured in place with screws or nails as required. Countersink and fill all nail and screw heads exposed to view.
- E. This Contractor shall furnish and install all nails, spikes, screws, bolts and other similar items of rough hardware required in the progress of his work and shall install all items of finish hardware furnished by others.
- F. Install moldings to the following standards:
 - 1. Moldings to receive transparent finish shall be selected for compatibility of grain and color.
 - 2. No warped or twisted molding shall be allowed.
 - 3. All moldings to be set plumb, level and true.
 - 4. Moldings and trim shall be installed in maximum lengths possible to minimize joints.
 - 5. All field joints to be tightly fitted and flush.
 - 6. Field joints in running trim to be diagonal ("scarfed") joints.
 - 7. Exposed ends of running trim shall have profiled or self-mitered returns.
 - 8. All exposed fastenings (nails or trim head screws) shall be deep set.
 - 9. Miters on large members (4" or larger) shall be doveled or splined and glued.
 - 10. Blind nailing and concealed type fasteners to be used whenever possible.
 - 11. Cope or miter inside corners where applicable, to produce tight fitting joints.
 - 12. Miter outside joints to produce tight fitting joints.
- G. Install indicated items as shown on drawings, level and plumb.
- H. Install hardware in accordance with manufacturer's instructions.

3.03 TOLERANCES

- A. Maximum Variation from True Position: 1/16 inch.
- B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS - REVISED

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum-framed storefront, with vision glass.
- B. Aluminum doors and frames.
- C. Weatherstripping.
- D. Perimeter sealant.

1.02 RELATED REQUIREMENTS

- A. Section 07 90 05 - Joint Sealers: Perimeter sealant and back-up materials.
- B. Section 08 71 00 - Door Hardware: Hardware items other than specified in this section.
- C. Section 08 80 00 - Glazing: Glass and glazing accessories.

1.03 REFERENCE STANDARDS

- A. AAMA CW-10 - Care and Handling of Architectural Aluminum from Shop to Site; 2015.
- B. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- C. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- D. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes [Metric]; 2013.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with installation of other components that comprise the exterior enclosure.
- B. Preinstallation Meeting: Conduct a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

1.05 PERFORMANCE REQUIREMENTS

- A. Design and size components to withstand the following load requirements without damage or permanent set, when tested in accordance with ASTM E 330, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
 - 1. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
- B. Movement: Accommodate movement between storefront and perimeter framing and deflection of lintel, without damage to components or deterioration of seals.
- C. Air Infiltration: Limit air infiltration through assembly to 0.06 cu ft/min/sq ft of wall area, measured at a reference differential pressure across assembly of 1.57 psf as measured in accordance with ASTM E 283.
- D. Water Leakage: None, when measured in accordance with ASTM E 331 with a test pressure difference of 2.86 lbf/sq ft.
- E. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
- F. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
- G. Glazing is required to have U-factor of .29 or better and a SHGC of .4 or better, in addition, the glass entry doors need a u factor of .77 to meet MN Energy Codes compliance.

1.06 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

- B. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related Work, expansion and contraction joint location and details, and field welding required.
- C. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.
- D. Hardware Schedule: Complete itemization of each item of hardware to be provided for each door, cross-referenced to door identification numbers in Contract Documents.
- E. Submit manufacturers standard samples indicating quality of finish. Where normal texture or color variations are expected, include additional samples illustrating range of variation. Submit samples for each glass type, 12 x 12 inch size.

1.07 QUALITY ASSURANCE

- A. Manufacturer and Installer Qualifications: Company specializing in manufacturing aluminum glazing systems with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of type specified and with at least three years of documented experience.
- C. To ensure quality of appearance and performance, obtain materials for systems from either a single manufacturer or from manufacturer approved by systems manufacturer.

1.08 PRE-INSTALLATION MEETING

- A. Convene one week before starting work of this section.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.10 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.11 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Provide five year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturers: Basis of design; Kawneer – Design intent is to match existing storefront system(s).
 - 1. United States Aluminum Corp.
 - 2. Oldcastle Building Envelope.
 - 3. Tubelite.
 - 4. YKK AP.
 - 5. Kawneer North America
- B. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
 - 1. Glazing Position: Centered (front to back).
 - 2. Vertical Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
 - 3. Finish: ~~To match existing.~~ Clear anodized.
 - 4. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.

5. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
 6. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
 7. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
 8. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
 9. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.
- B. COMPONENTS
1. Aluminum Framing Members: Tubular aluminum sections, double thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
 - a. Framing members for interior applications need not be thermally broken.
 - b. Glazing Stops: Flush.
 - c. Cross-Section: 2 x 4-1/2 inch nominal dimension.
- C. MATERIALS
1. Extruded Aluminum: ASTM B221 (ASTM B221M).
 2. Fasteners: Stainless steel.
 3. Perimeter Sealant: Type as specified in Section 07 90 05.
 4. Glass: As specified in Section 08 80 00.
 5. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.
- D. FINISHES
1. ~~Design intent is to match that of existing conditions.~~ Clear anodized.
- E. FABRICATION
1. Fabricate components with minimum clearances and shim spacing around perimeter of assembly, yet enabling installation and dynamic movement of perimeter seal.
 2. Accurately fit and secure joints and corners. Make joints flush, hairline, and weatherproof.
 3. Prepare components to receive anchor devices. Fabricate anchors.
 4. Coat concealed metal surfaces that will be in contact with cementitious materials or dissimilar metals with bituminous paint.
 5. Arrange fasteners and attachments to conceal from view.
 6. Reinforce components internally for door hardware and door operators.
 7. Reinforce framing members for imposed loads.
 8. Finishing: Apply factory finish to all surfaces that will be exposed in completed assemblies.
 - a. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that wall openings and adjoining air and vapor seal materials are ready to receive work of this section.

3.02 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.

- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- I. Set thresholds in caulking bead each edge and secure. Caulking as specified in Section 07 90 05.
- J. Install glass and infill panels in accordance with Section 08 80 00, using glazing method required to achieve performance criteria.
- K. Install perimeter sealant in accordance with Section 07 90 05.
- L. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.03 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inches every 3 ft non-cumulative or 1/16 inches per 10 ft, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

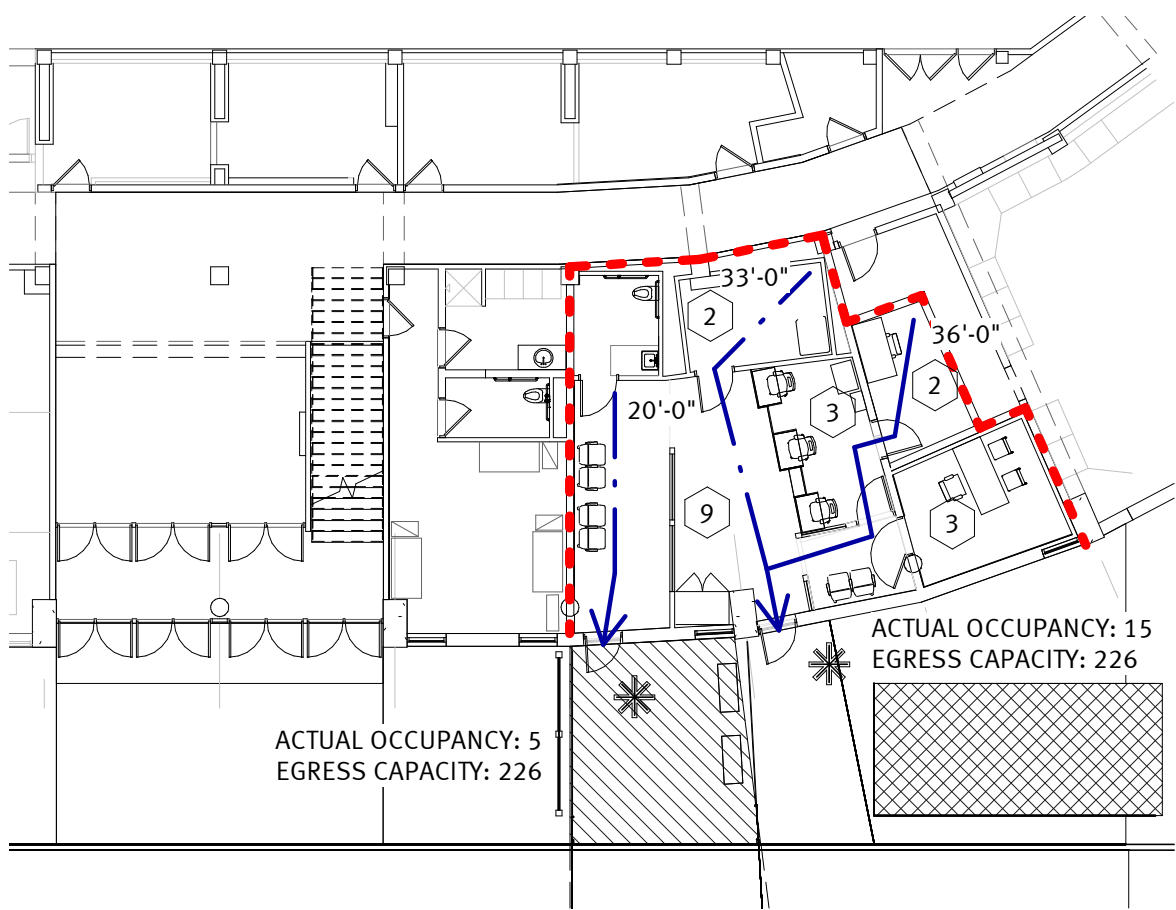
3.04 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
- C. Remove excess sealant by method acceptable to sealant manufacturer.

3.05 PROTECTION

- A. Protect installed products from damage during subsequent construction.
- B. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.
- C. Protect finished work from damage.

END OF SECTION



1 LEVEL 1 CODE PLAN
1/16" = 1'-0"

LIFE SAFETY LEGEND

- BUILDING EXIT
- ACCESSIBLE FEATURE
- ROOM OCCUPANCY LOAD
- EXIT SIGNAGE
- EMERGENCY LIGHTING
- FIRE EXTINGUISHER (WALL HUNG)
- FIRE EXTINGUISHER WITH CABINET
- MAX EXIT ACCESS TRAVEL POINT
- DISTANCE BETWEEN NODES
- EXIT NODE
- EGRESS PATH
- (XX' MAX EXIT ACCESS)
- SMOKE RESISTANT PARTITION
- 1 HOUR FIRE PARTITION

LIFE SAFETY ANALYSIS

PROJECT:	19098.00 DSPA USCBP CRUISE FACILITY DULUTH, MN
ARCHITECT:	DSGW ARCHITECTS JOHN E. ERICKSON, NCARB, LEED AP
CODES USED:	INTERNATIONAL BUILDING CODE, 2018 EDITION 2020 MINNESOTA STATE BUILDING CODE
IS THE BUILDING SPRINKLED?	YES
BUILDING CONSTRUCTION TYPE:	2B
OCC SEPARATIONS REQ'D: (508.4)	NOT REQUIRED
OCCUPANCY GROUP(S):	B
OCC LOAD: (SEC 1004)	BUSINESS CONC. OCC (50 GFS/OCC): 17 OCC
PLUMBING COUNT: (TABLE 2902.1)	BUSINESS 1 PER 25 OCC UP TO 50 OCC 1 PER 50 OCC ABOVE 50 OCC 17/25 = 1 WC
NOTES:	1. BUILDING GROSS SF: 1,030 SF 2. TABULAR AREA: 23,000 SF
NO SPECIAL INSPECTION REQUIRED.	

APPLICABLE BUILDING CODES FOR REFERENCE:

INTERNATIONAL BUILDING CODE, 2018 EDITION
2020 MINNESOTA STATE BUILDING CODE

FIRE CODE:
INTERNATIONAL FIRE CODE, 2018 EDITION
2020 MINNESOTA STATE FIRE CODE

MECHANICAL CODE:
INTERNATIONAL MECHANICAL CODE, 2018 EDITION
2020 MINNESOTA STATE MECHANICAL AND FUEL GAS CODE

ENERGY CODE:
2018 IECC
2020 MINNESOTA STATE ENERGY CODE

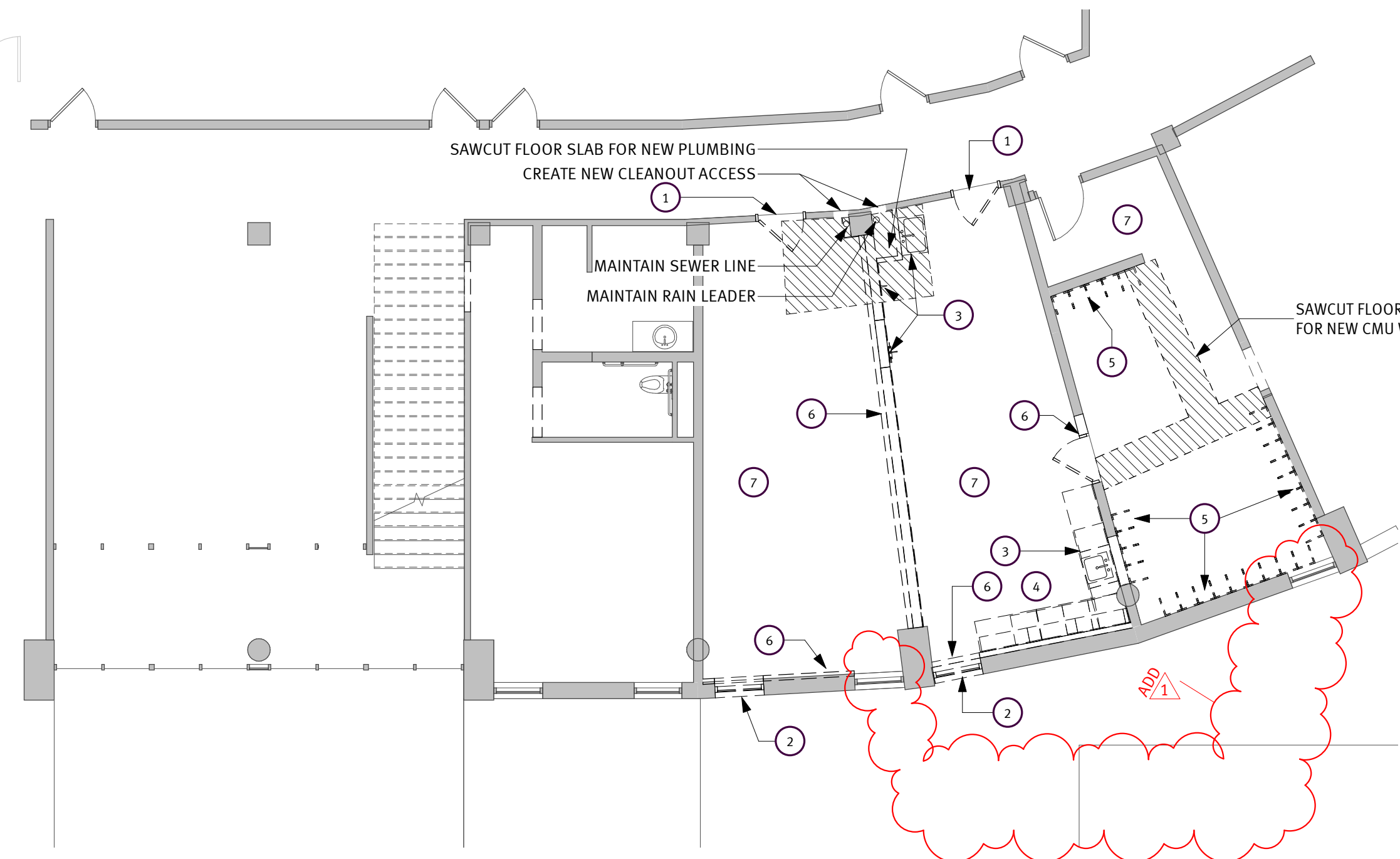
ACCESSIBILITY CODE:
INTERNATIONAL BUILDING CODE, 2018 EDITION
2020 MINNESOTA STATE ACCESSIBILITY CODE

PLUMBING CODE:
2012 UNIFORM PLUMBING CODE
2015 MINNESOTA STATE PLUMBING CODE

ELECTRICAL CODE:
2008 NATIONAL ELECTRICAL CODE

EXISTING BUILDING CODE:
2012 INTERNATIONAL EXISTING BUILDING CODE
2020 MINNESOTA CONSERVATION CODE FOR EXISTING BUILDINGS

LIFE SAFETY CODE (NFPA): NFPA 101



2 LEVEL 1 DEMO PLAN
1/8" = 1'-0"

DEMO GENERAL NOTES

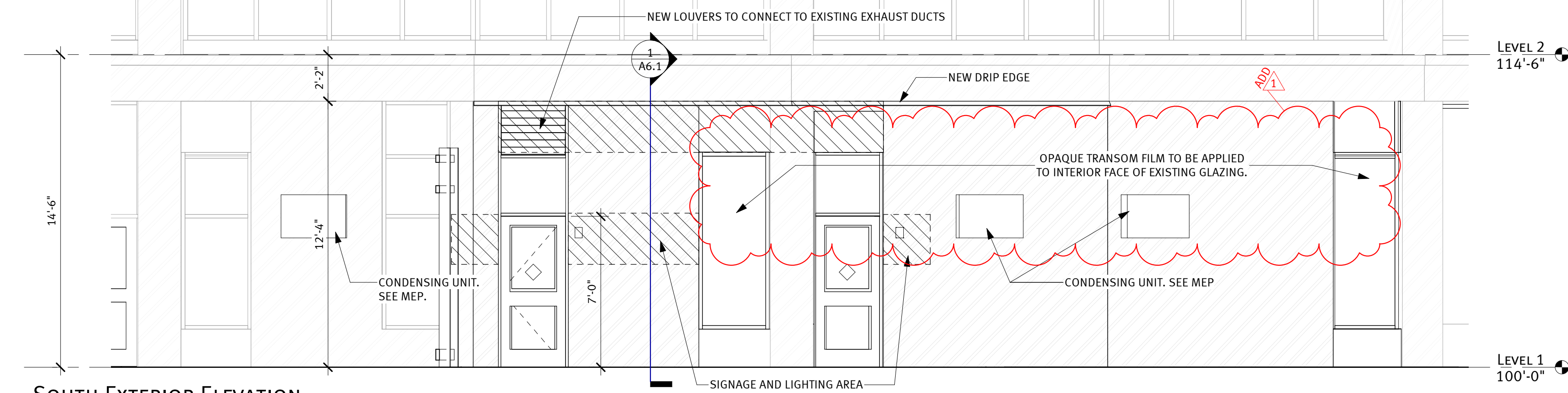
- DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION TO ACCOMMODATE NEW CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ASPECTS OF DEMOLITION AND RECONSTRUCTION. CONTRACTOR TO COORDINATE NEW WORK PLAN DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
- DEMOLITION NOTES WITHOUT LEADERS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
- CONTRACTORS SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
- VERIFY EXISTING WALL TYPE AT WALL INFILL OR WALL EXTENSION AREAS. IF EXISTING WALL TYPE DOES NOT MATCH THE CALLED OUT WALL TYPE, INFILL OR EXTEND TO MATCH EXISTING WALL TYPE INSTEAD.
- VERIFY EXISTING WALL MATERIALS TO BE REMOVED (GYPSUM BOARD, STUD, CMU, BRICK, ETC.).
- PROVIDE TRANSITION STRIP AT AREAS OF NEW FLOORING MEETING EXISTING FLOORING AND AT NEW DOOR OPENINGS IN EXISTING WALLS. PATCH FLOOR AS REQUIRED.
- PREP FLOORS AS NEEDED FOR NEW FINISHES.
- REMOVE EXISTING WALL MOUNTED ITEMS SUCH AS GRAB BARS, MIRRORS, PAPER TOWEL DISPENSERS, TOILET PAPER DISPENSERS, SOAP DISPENSERS, TOILET PARTITIONS, ETC IN DEMOLISHED AREAS. PATCH EXISTING WALLS AS REQUIRED.
- PATCH SUBFLOOR, WALLS, & CEILINGS DISTURBED BY DEMOLITION. PATCH TO MATCH EXISTING FINISHES AS REQUIRED.
- REMOVE ALL FINISHES, ADHESIVES, OR OTHER MATERIALS THAT CONFLICT WITH NEW FINISHES SCHEDULED IN EXISTING OR NEWLY REMODELED SPACES.
- VERIFY ANY ITEMS TO BE RETAINED FOR OWNERS USE PRIOR TO REMOVAL.
- PROVIDE PROTECTION AND BE RESPONSIBLE FOR OWNER'S EQUIPMENT, FURNITURE AND ANY EXISTING FINISHES TO REMAIN AND REPAIR OR REPLACE ANY DAMAGED AREAS AS A RESULT OF THE WORK. ALL EXISTING FINISHES TO REMAIN SHALL BE CLEANED AT THE COMPLETION OF CONSTRUCTION. DOCUMENT ANY EXISTING CONDITIONS OR DAMAGES PRIOR TO THE START OF CONSTRUCTION.

DEMO PLAN NOTES

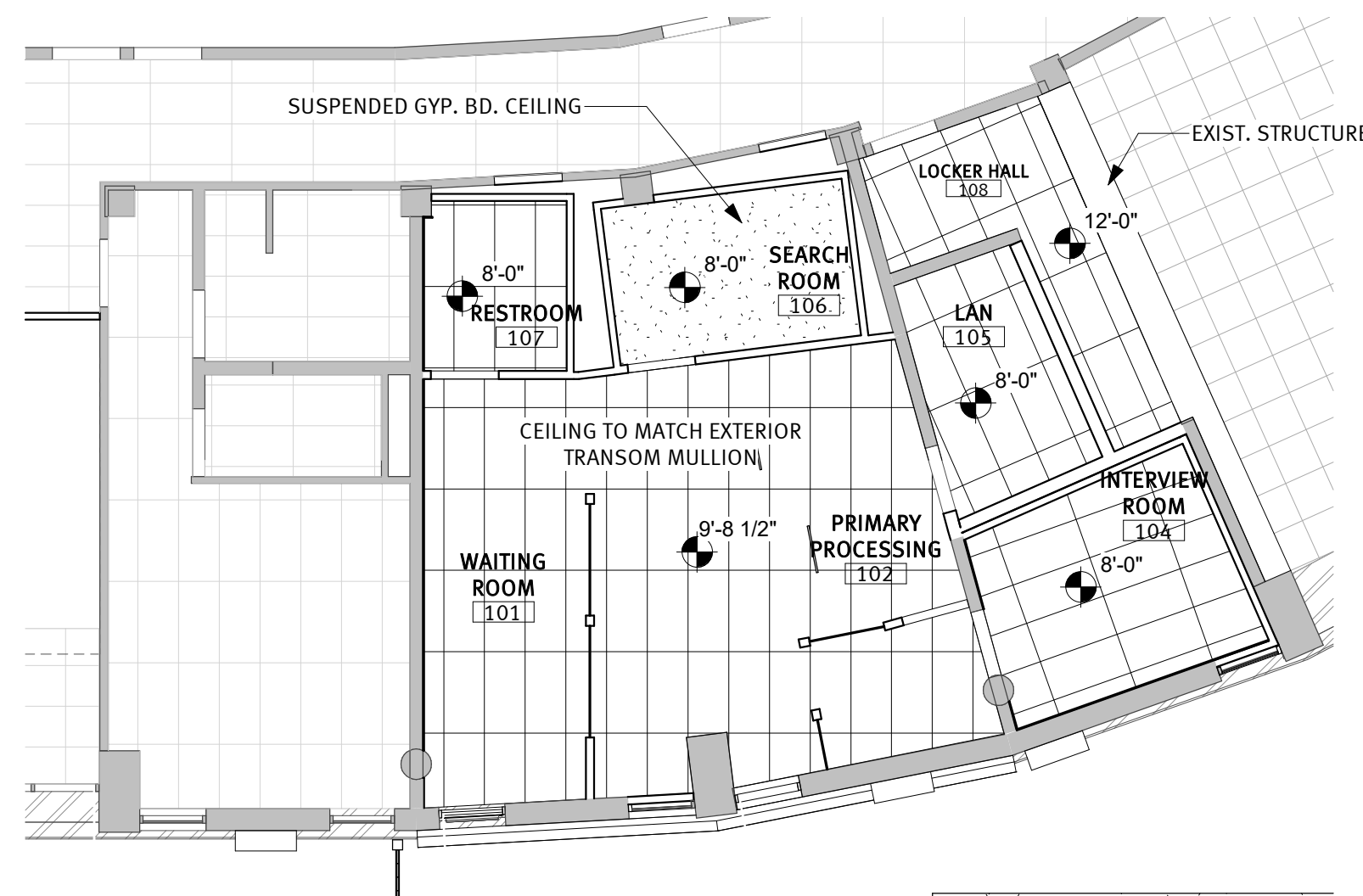
- DEMO & REMOVE EXISTING INTERIOR DOORS AND FRAMES. PROTECT ADJACENT WALLS. INFILL WALL AND MATCH FINISH WITH ADJACENT WALLS. RETAIN DOORS AND FRAMES FOR OWNER.
- DEMO & REMOVE EXISTING EXTERIOR GLAZING, FRAMES, AND LOUVERS. PROTECT ADJACENT WALLS.
- DEMO & REMOVE EXISTING PLUMBING FIXTURES AND ACCESSORIES. PROTECT ADJACENT FINISHES.
- DEMO & REMOVE EXISTING CASEWORK. PROTECT ADJACENT FINISHES.
- DEMO & REMOVE EXISTING LOCKERS. MAINTAIN LOCKERS FOR OWNER.
- DEMO & REMOVE EXISTING WALLS.
- DEMO & REMOVE EXISTING CEILING.

RCP GENERAL NOTES

- COORDINATE FINAL LOCATIONS OF CEILING MOUNTED EQUIPMENT W/ OWNER AND ARCHITECT.
- SEE M&E DRAWINGS FOR LIGHTING, GRILLS, AND DIFFUSER LOCATIONS.
- SUSPENDED ACOUSTICAL CEILING TILE GRID IS TO BE CENTERED IN RECTANGULAR ROOM OR CENTERED BETWEEN THE LONGEST WALLS OF IRREGULARLY SHAPED ROOMS UNLESS OTHERWISE NOTED.
- VERIFY GYPSUM BOARD CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- CEILING HEIGHTS INDICATED ARE FROM FINISHED FLOOR OF CURRENT LEVEL SHOWN.



3 SOUTH EXTERIOR ELEVATION
1/4" = 1'-0"



4 LEVEL 1 RCP
1/8" = 1'-0"

USCBP CRUISE FACILITY

350 HARBOR DRIVE
DULUTH, MN 55802

project #: 19098.10

date: 1/7/2022 2:57:00 PM

drawn by: EHS

checked by: JE

I hereby certify that this plan,
specification, or report was
prepared by me or under my direct
supervision and that I am a duly
Licensed Architect under the laws
of the state of Minnesota.

signature:

typed/printed name: JOHN E. ERICKSON, NCARB, LEED AP

reg. #: 24199

sign date: 12-15-21

revision / issue	no.	date
ADD	1	2022/1/7

DEMO AND RCP
PLAN

sheet title:

sheet
number:

A1.1

USCBP CRUISE FACILITY

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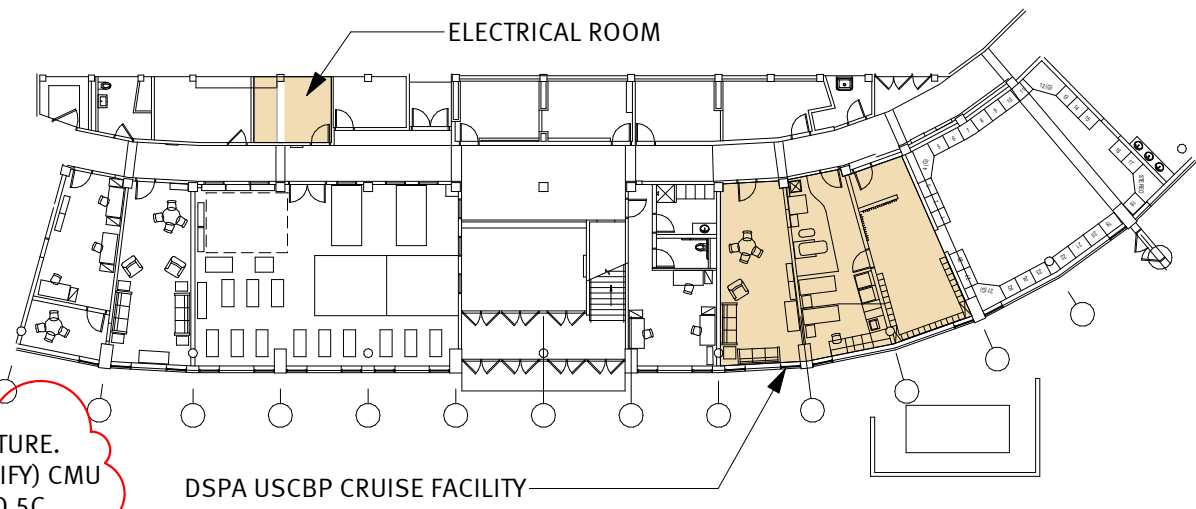
typed/printed name: JOHN E. ERICKSON, NCARB, LEED AP

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FLOOR PLAN GENERAL NOTES

- A INTERIOR DIMENSIONS ARE TO FINISHED FACE OF STUD WALL, FACE OF MASONRY WALLS, TO CENTERLINE OF COLUMNS OR TO OTHER GRID POINTS UNLESS OTHERWISE NOTED. DIMENSIONS LABELED AS CLEAR OR CLR INDICATE MINIMUM DISTANCE TO FINISHED FACE OF WALLS. DIMENSIONS ARE TO FINISHED FACE OF EXISTING WALLS IF APPLICABLE.
- B ALL INTERIOR DOOR FRAMES TO BE 4" FROM ADJACENT WALL OR CENTERED BETWEEN WALLS UNLESS OTHERWISE NOTED.
- C FURNITURE & EQUIPMENT SHOWN IS FOR REFERENCE ONLY AND IS NOT INCLUDED IN THE CONTRACT.
- D COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS WITH MEP CONSULTANT.
- E FIRE RATED WALLS ARE INDICATED ON THE LIFE SAFETY PLAN.



DSPA USCBP CRUISE FACILITY

CPB OFFICER TASK CHAIR

CONTINUE WALL TO STRUCTURE. ABOVE EXISTING 8'-0" (VERIFY) CMU WALL. TRANSITION WALL TO 5C.

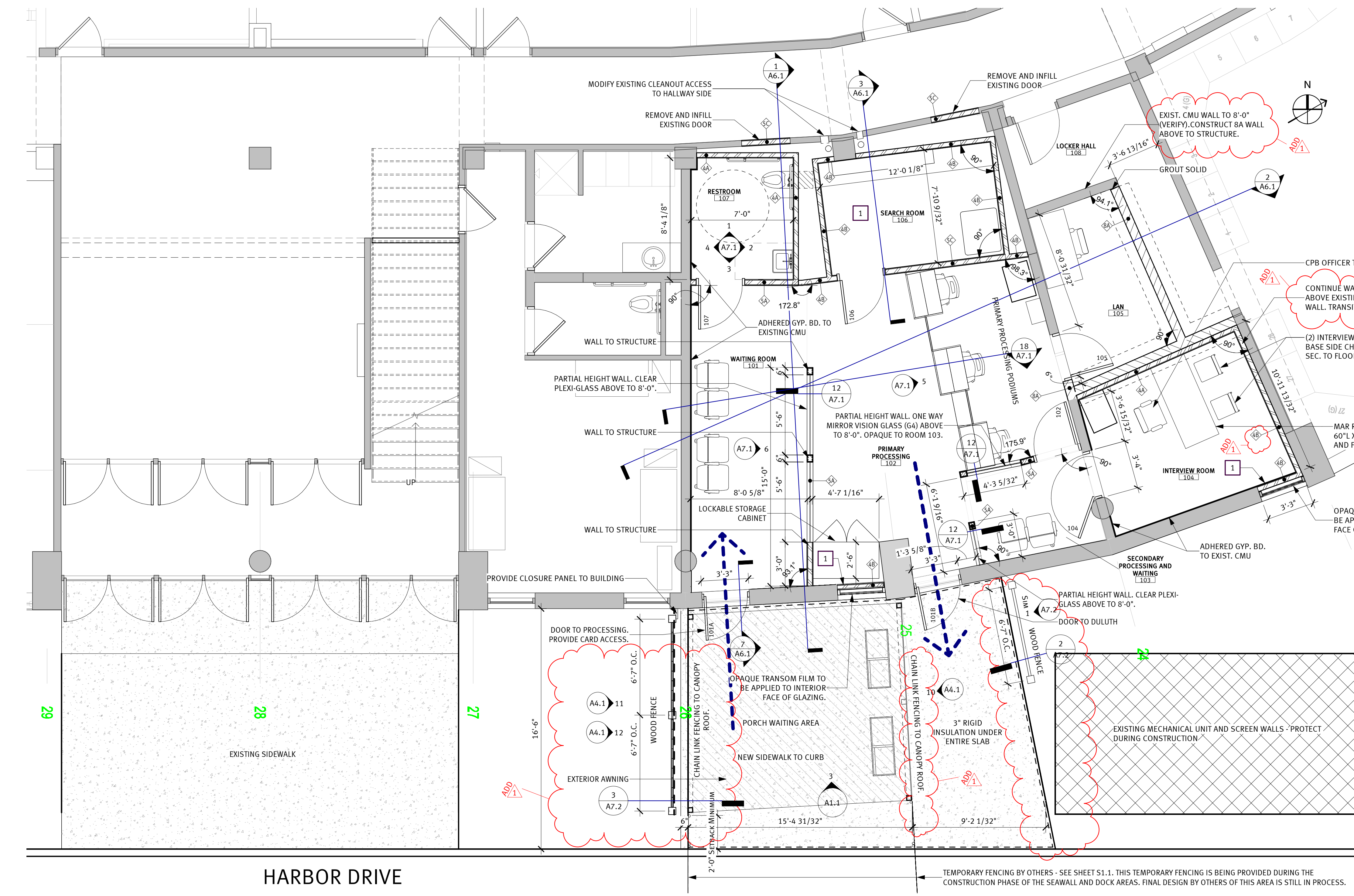
(2) INTERVIEW SLED BASE SIDE CHAIRS, SEC. TO FLOOR

MAR RESISTANT INTERVIEW TABLE 60" L X 30" W X 30" H SECUTRE TO WALL AND FLOOR.

OPAQUE TRANSOM FILM TO BE APPLIED TO INTERIOR FACE OF GLAZING.

FLOOR PLAN NOTES

- 1 GYP. BD. OVER 9 GA. WIRE MESH



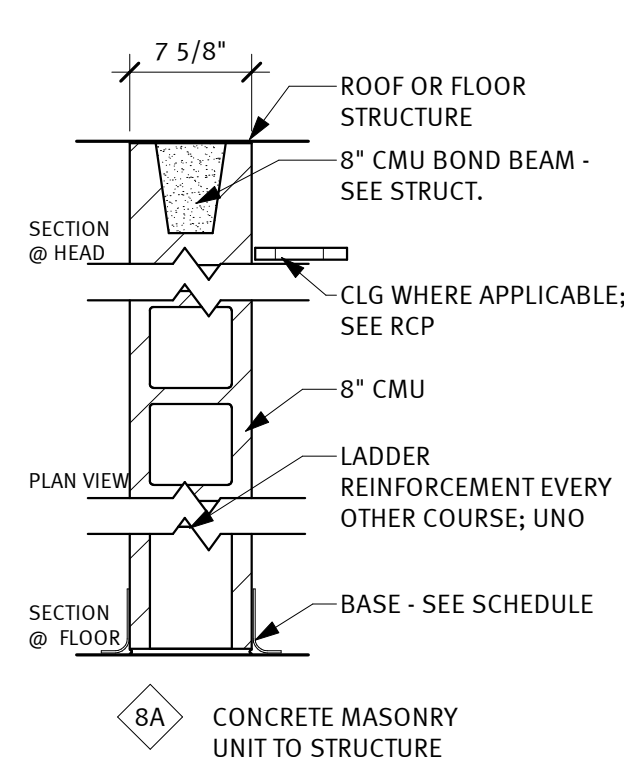
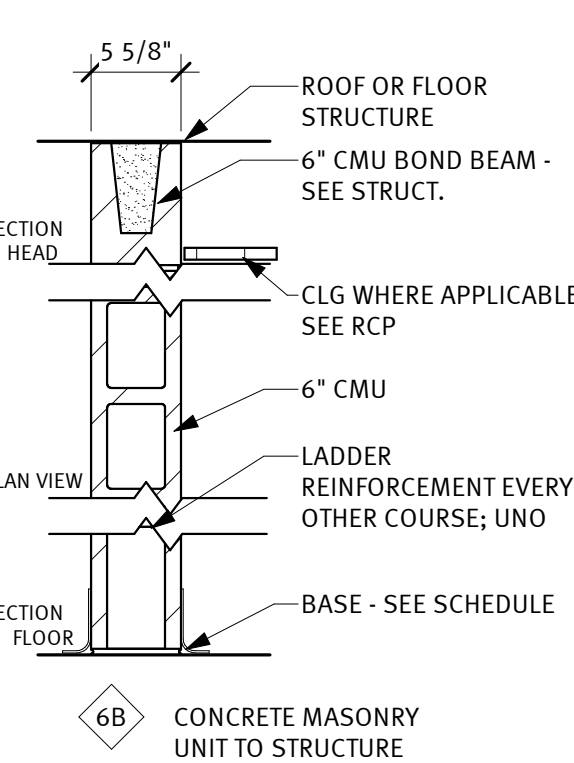
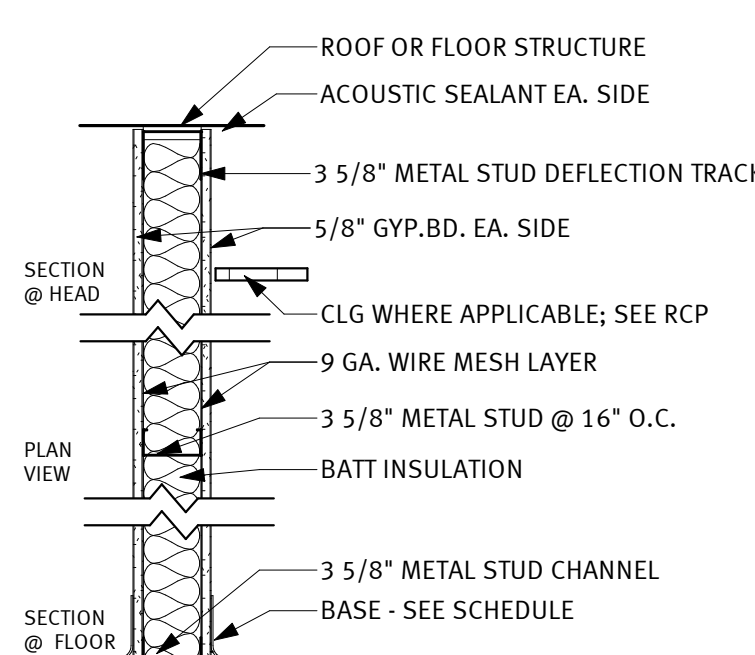
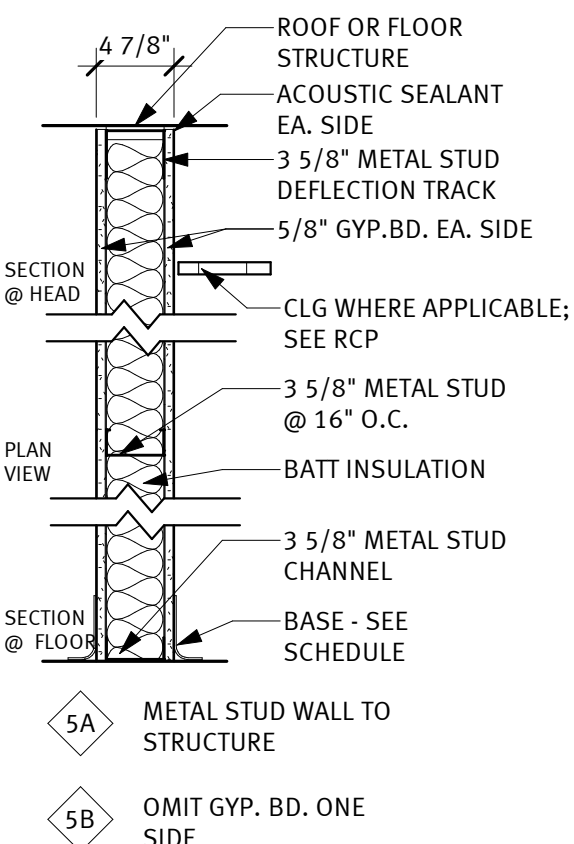
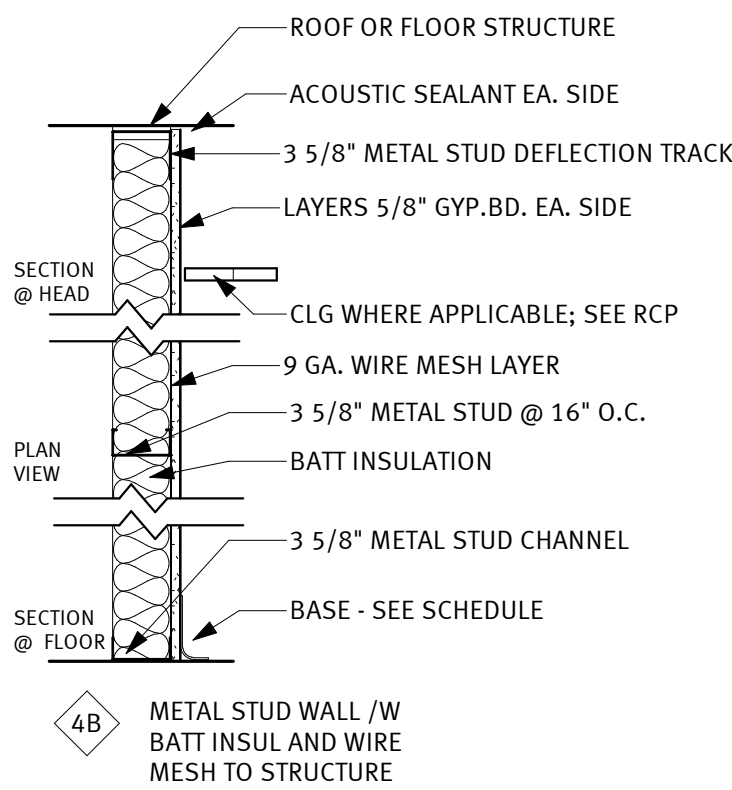
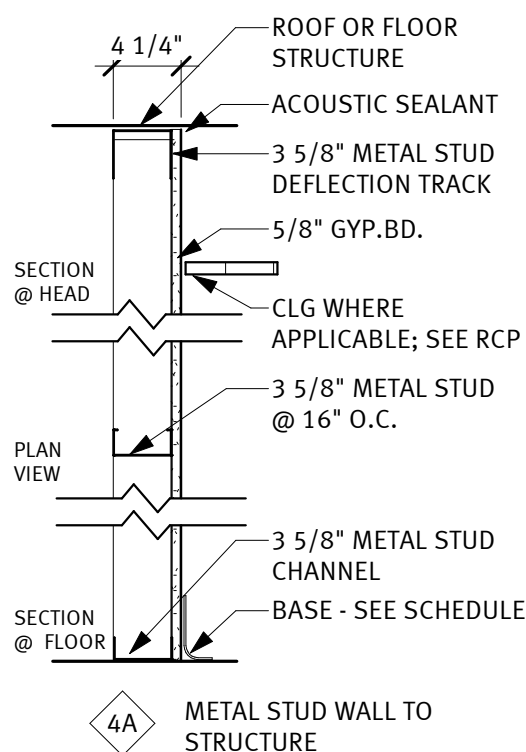
HARBOR DRIVE

1 FLOOR PLAN

1/4" = 1'-0"

WALL TYPES

NOTE: ALL WALLS SHALL BE BUILT AND SEALED TO STRUCTURE ABOVE UNLESS OTHERWISE NOTED



FIRST FLOOR
PLAN

sheet title:

sheet number:

A2.1



project #: 19098.10
date: 1/7/2022 2:57:02 PM
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checked by: JE

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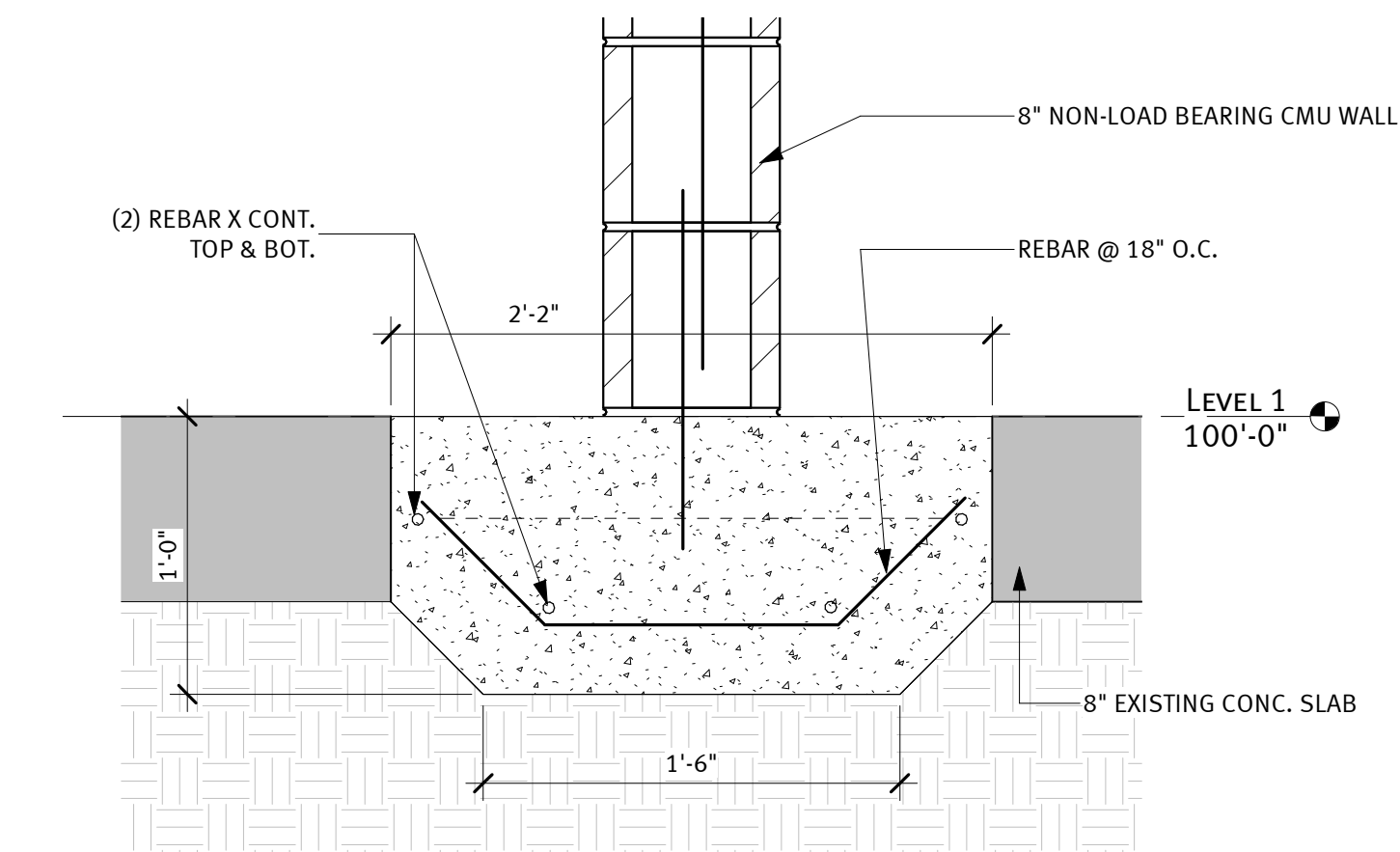
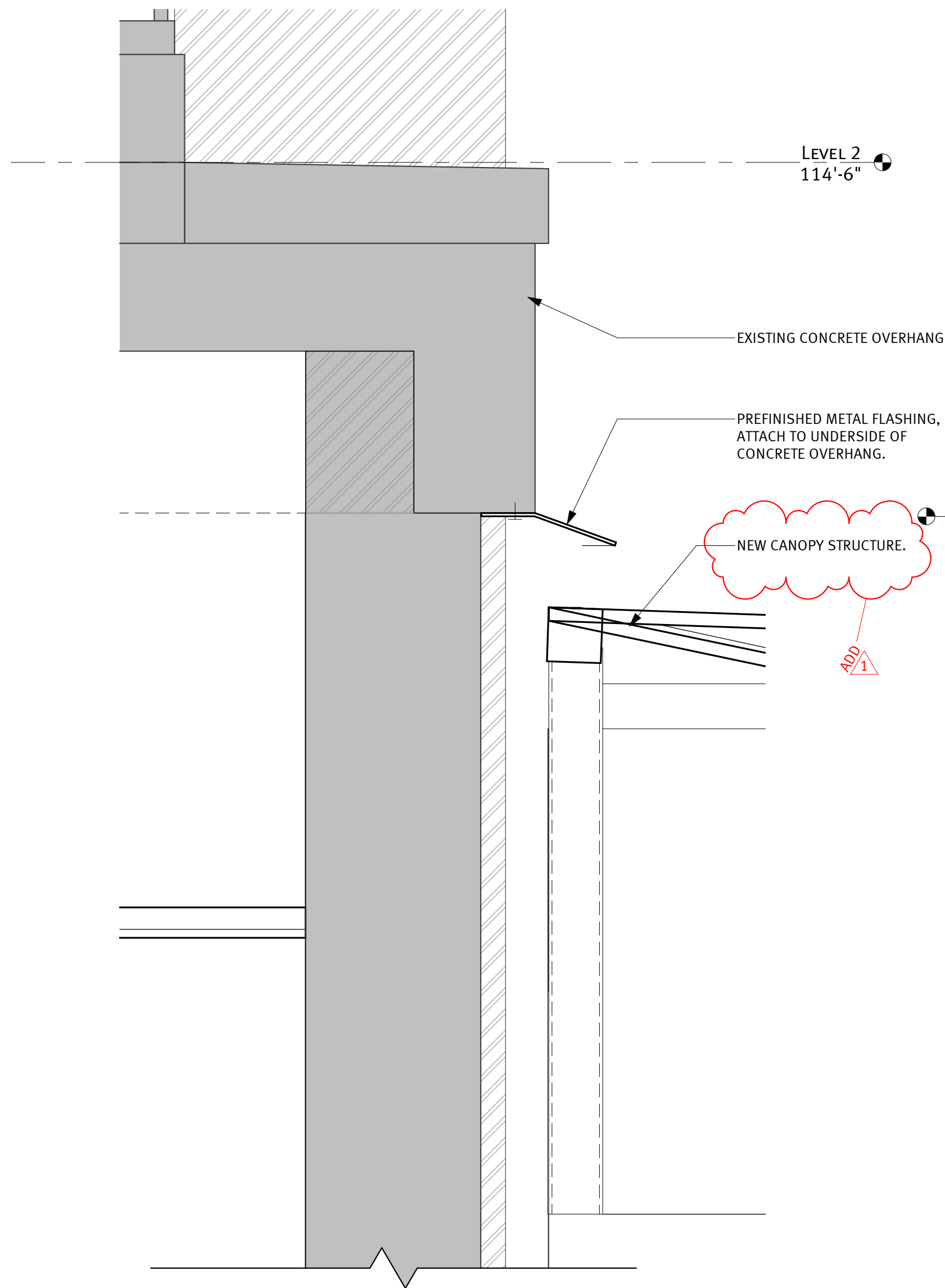
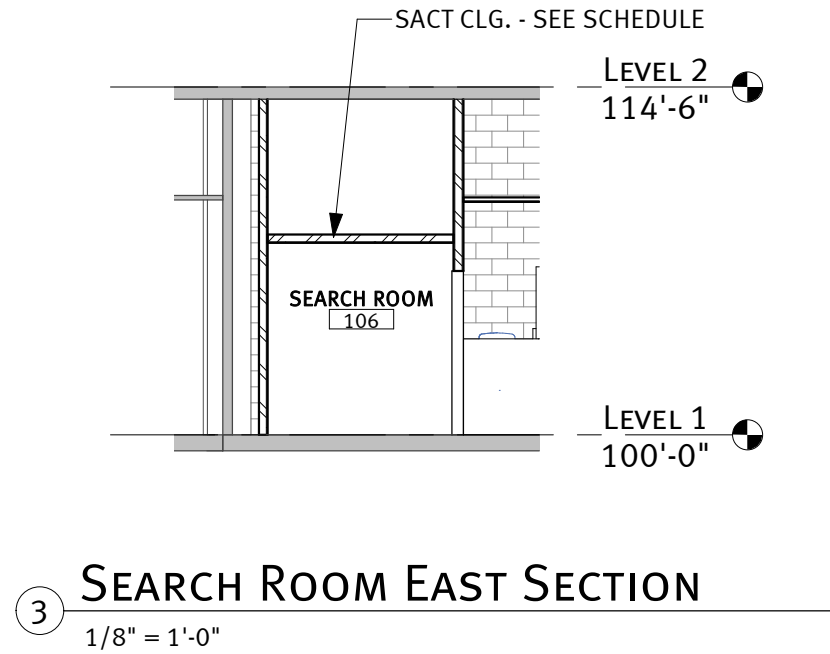
signature: _____
 signed/printed
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 sign date: 12-15-21 _____

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number:

A6.1



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350 HARBOR DRIVE
DULUTH, MN 55802

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checked by: JE

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name: JOHN E. ERICKSON, NCARB, LEED AP

reg. #: 24199

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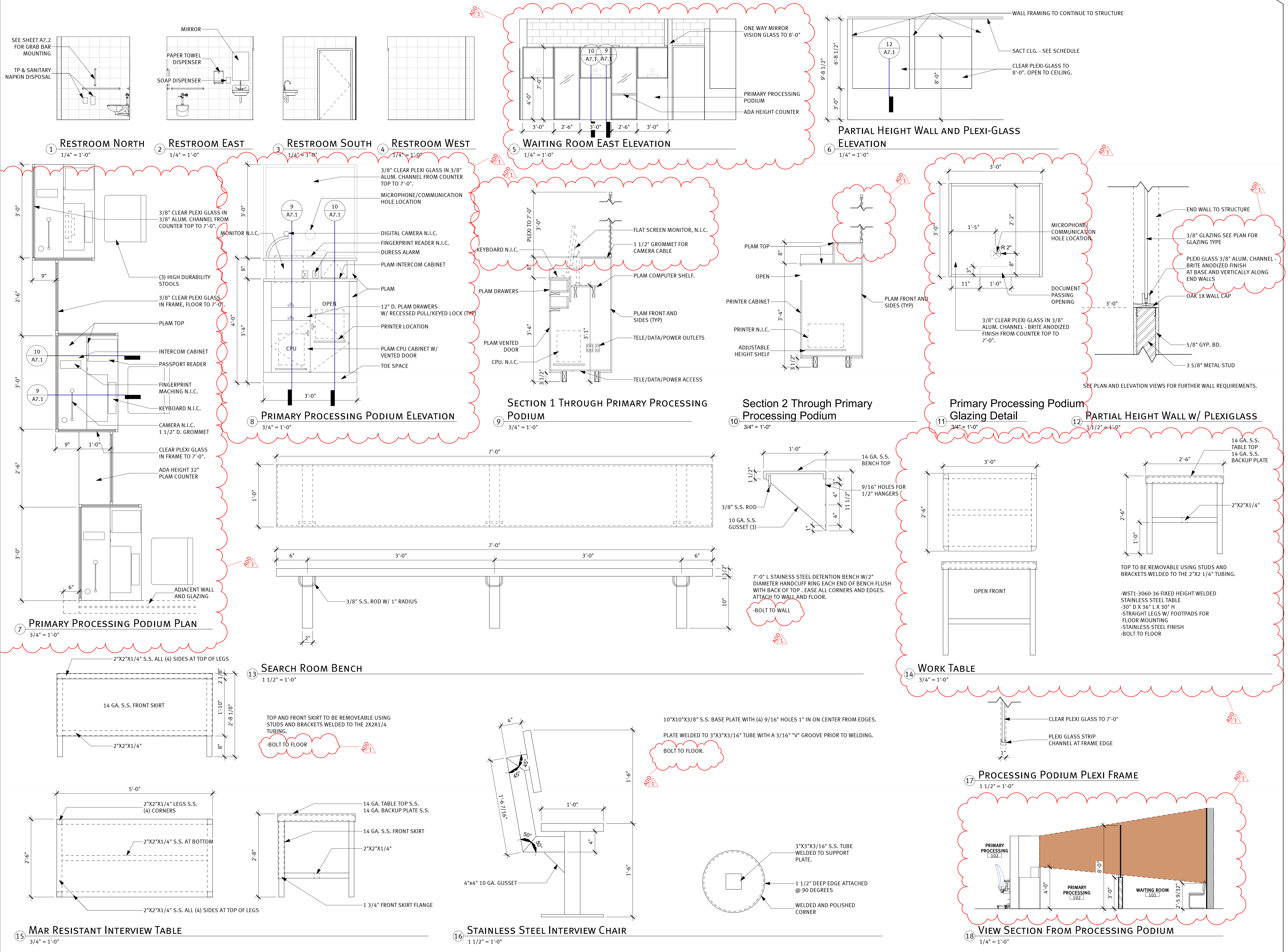
INTERIOR ELEVATIONS & DETAILS

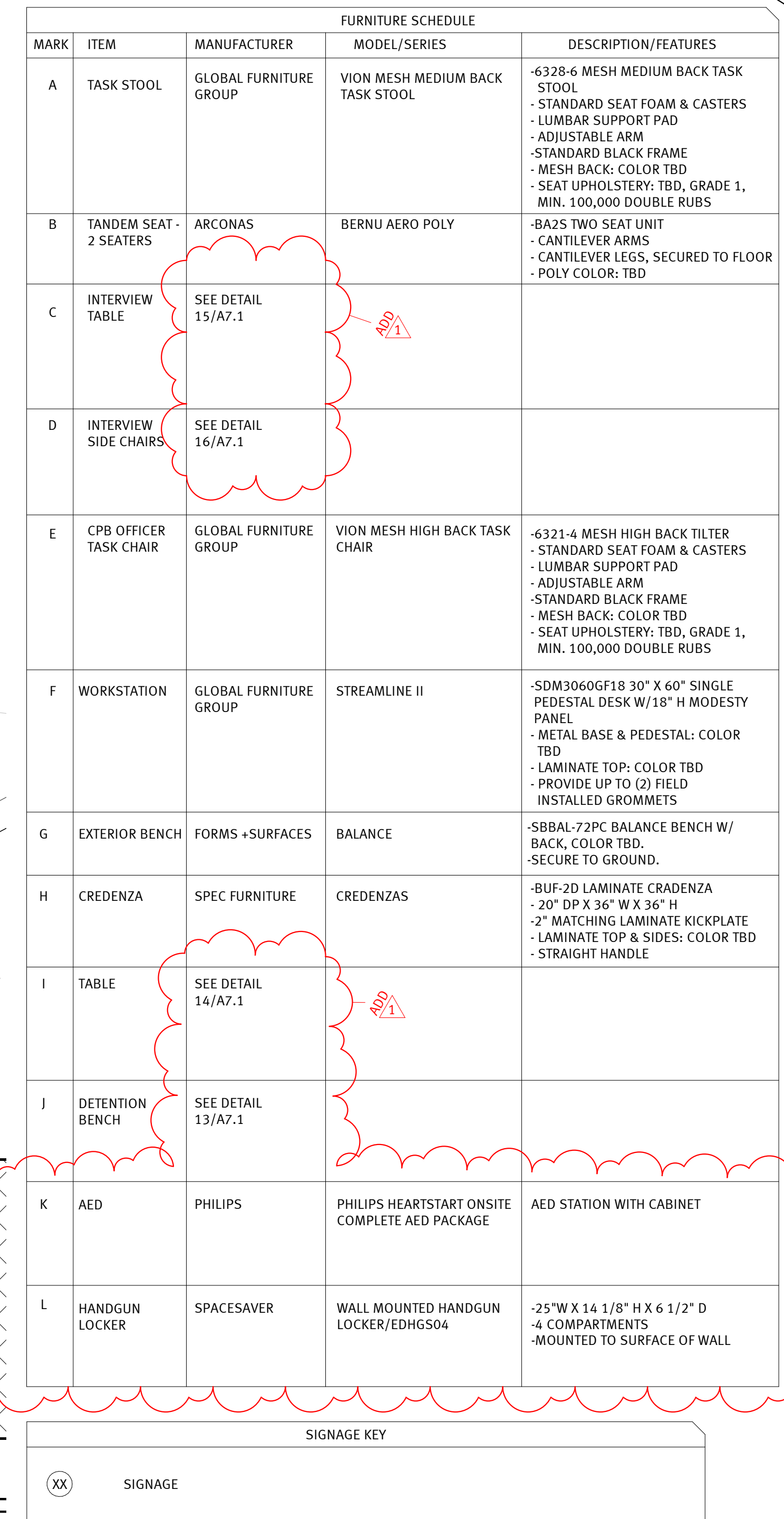
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Signage Package-Duluth Cruise Terminal Facility, Duluth MN							
Room	KEY	Room Name	Quantity	Size	General Comments	Provided By	Notes
Number		Function/Location	Required	Required	Finish-Text/Description		
Exterior	1	Canopy Identity Sign (on Building Canopy (across))	1	24" tall w/ 18" wide	CBP Seal/ "US Customs and Border Protection, Duluth, MN"	Port Authority	Blue CBP background w/ white plastic
Exterior	2	Walkway to Porch Waiting Area	1	9'x9"	Handicap Symbol "Access"	Port Authority	Blue CBP background w/ white plastic
Exterior	3	Porch Waiting Area at #101A	1	22'x20'	"Welcome to the United States Please have your Documents Completed and Ready to Present to an Officer. Wait on Porch until Called"	Port Authority	Reverse Color of Interior Face Active color
Exterior	4	Identity Sign at Porch Waiting Area on North wall between doors #101A & #101B	1	24" letters	CBP Seal/ "U.S. Customs and Border Protection"	Port Authority	Allowance is silver letters w/ CBP blue background
Exterior	6	Display within 2' of main entrance	1	9'x6"	"No Smoking On Port Property"	Port Authority	Post mounted Aluminum sign
Exterior	8	Reserved Government Vehicle Parking	3		"CBP Parking Only"	Port Authority	post mounted Aluminum sign at each parking space
Exterior	7	Hang from Canopy structure in Porch Area	1 double sided	6'x30"	"Passenger" Waiting Area"	Port Authority	Ceiling Mount; Aluminum; white letters w/ CBP blue background
101	8	Waiting Area Hang from ceiling over wall opening	1	6'x30"	"Please Wait Here until an Officer Becomes Available"	Port Authority	Aluminum; white letters w/ CBP blue background
101	9	Waiting Area Wall-Hat Set of 2 Statutory Signs for Cruise Terminal	9	11"x11"	Set of Statutory Signs (each with a blue mechanically attached)	CBP	Authority install
101	10	CBP Primary Processing Area (ceiling hang between active podiums w/ baggage and passport AUSA cones)	1	6'x30"	"102-CBP Primary Processing Area"	Port Authority	Wall Mount; White letters w/ CBP blue background
101/102	12	CBP Primary Processing Area (ceiling hang between active podiums w/ baggage and passport AUSA cones)	1	6'x30"	"CBP Primary Processing Area"	Port Authority	Wall Mount; Aluminum; White letters w/ CBP blue background
101	13	Thank you for your Cooperation near door 101B	1	14'x11"	"Thank YOU For Your Cooperation"	Port Authority	Wall Mount; White letters w/ CBP blue background
101	14	Exit above door 101B in accordance to building code	1		"EXIT" ceiling LED Future ceiling mount per code	Port Authority	Ceiling Mount; LED Future per code
102	14	East wall of Primary Processing Podium Area	1	9' letters (each) w/ 3' tall	CBP Seal/ "US Customs and Border Protection, Duluth, MN"	Port Authority	Allowance is silver letters post mounted w/ blue background
102	16	Front of each podium DHS Seal	1	12" x 12"	CBP Seal	CBP	Mount to front of Podium
103	16	CBP Secondary Processing & Waiting Area (ceiling hang)	1	6'x30"	"CBP Secondary Processing Waiting Area"	OSA-Landmark	Ceiling Mount; Aluminum; White letters w/ CBP blue background
104	17	Room 2 sign (in room #102 wall mount north of door #100)	1	6'x9"	"104-Entrance Room"	Port Authority	Wall Mount; White plastic w/ CBP blue background
104	18	Room 2 sign (in room #102 wall mount north of door #100)	1	6'x9"	"105-LAUNDRY Room"	Port Authority	Wall Mount; White plastic w/ CBP blue background
105	19	Restricted Access/Authorized Personnel sign (in room #105 door)	1	11'x17"	"Restricted Access/Authorized Personnel Only"	CBP	Provided by CBSP Port Authority install
105	20	Room 2 sign (in room #101 wall mount east of door #100)	1	6'x9"	"105-Security Room"	Port Authority	Wall Mount; White plastic w/ CBP blue background
106	21	Authorized Personnel sign (on exterior of room #106)	3	3'11"x11"	"Authorized Personnel Only"	CBP	Authority install
107	22	Room 3 sign w/ Unisex and ADA symbols (in room #101 wall mount east of door #107)	1	9'x12"	"107-Restrooms: Also in trailer"	Port Authority	Wall Mount; White plastic w/ CBP blue background
Various	23	Authorized Personnel sign (On Door)	3	11'x11"	"Authorized Personnel Only"	CBP	Authority install
Exterior	24	Notice 24 hour surveillance	2	7'x10"	"Notice This area is under 24 hour surveillance"	Port Authority	Mechanically mount to existing fence

All signage provided to be installed by Contractor

**USCBP
CRUISE
FACILITY**

350 HARBOR DRIVE
DULUTH, MN 55802

project #: 19098.10

date: 1/7/2022 2:57:03 PM

drawn by: EHS/ CK

checked by: JE

*I hereby certify that this plan,
specification, or report was
prepared by me or under my direct
supervision and that I am a duly
Licensed Architect under the laws
of the state of Minnesota.*

signature: _____
typed/printed name: JOHN E. ERICKSON, NCARB, LEED AP
reg. #: 24199
sign date: 12-15-21

[illegible]

sheet title: FURNITURE PLAN

sheet number: F1.0

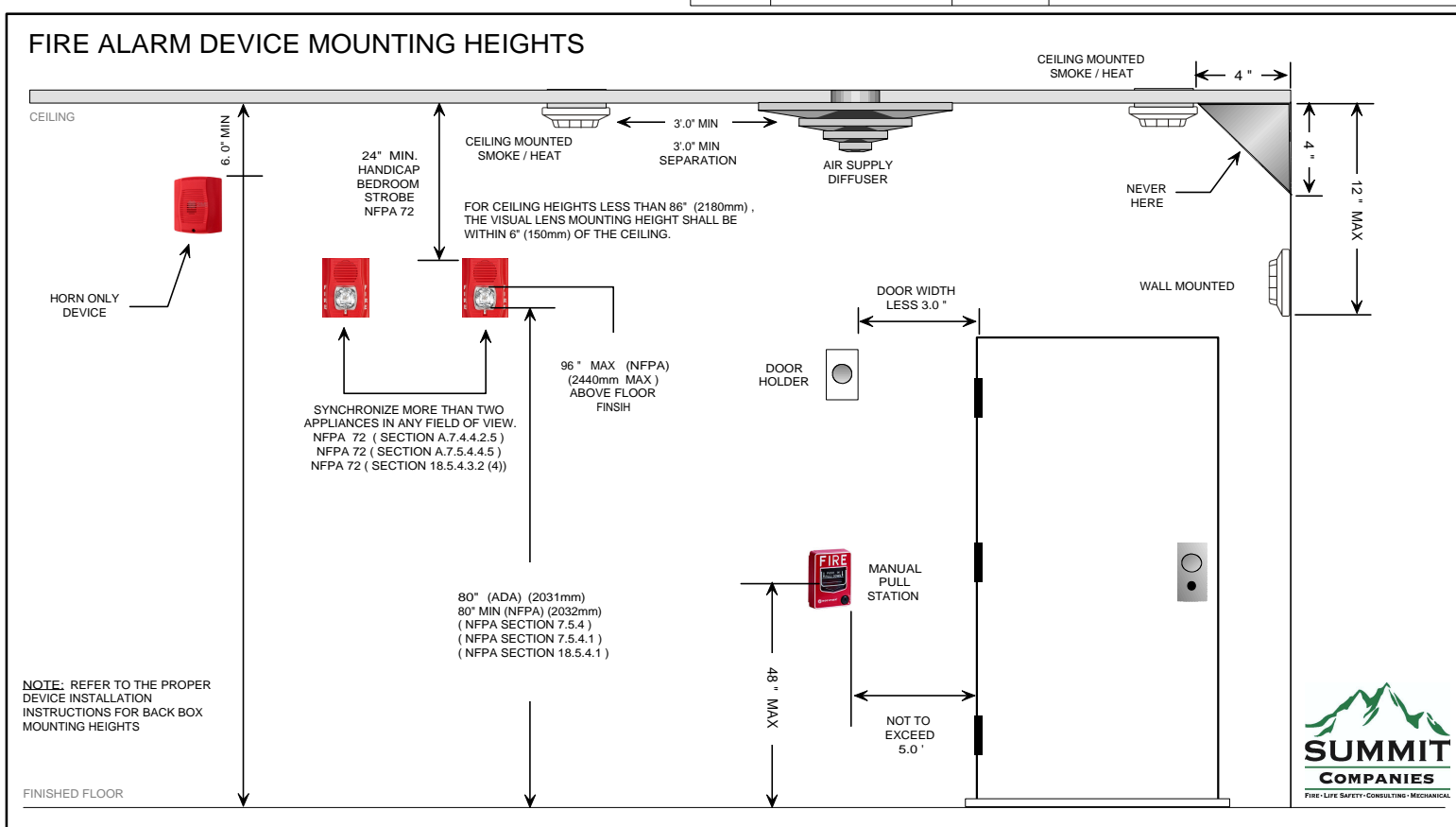
2022 DECC - USCBP CRUISE FACILITY
DULUTH, MN 55802
SECURITY UPGRADES 2022

REV 2 NOV 29 2021

1	CONNECTION TO EXISTING EST-3 SPEAKER CIRCUIT
2	
3	
4	
5	

	CEILING MOUNTED 360 DEGREE MOTION SENSOR
	DURESS
	EMERGENCY CALL STATION - VANDAL
	DOOR POSITION SWITCH
	CARD READER
	12 VDC ELECTRIC DOOR STRIKE (BY OTHERS)
	LCD SECURITY KEYPAD
	NEW 4 MP IP CAMERA / OPTIONAL AUDIO
	FACIAL RECOGNITION 8MP
	FIRE ALARM VISUAL ONLY NOTIFICATION APPLIANCE
	FIRE ALARM NOTIFICATION APPLIANCE

#	PARTITION	Z - TYPE	SECURITY ZONE LEGEND
Z1	1	PANIC	DURESS STATION SEARCH ROOM
Z2	1	PANIC	DURESS STATION PROCESSING 1
Z3	1	PANIC	DURESS STATION PROCESSING 2
Z4	1	PANIC	DURESS STATION PROCESSING 3
Z5	1	BURG	MOTION SENSOR DATA ROOM
Z6	1	PANIC	DURESS STATION INTERVIEW RM 1
Z7	1	PANIC	DURESS STATION INTERVIEW RM 2
Z8	1	BURG	WAITING ENTRY MOTION SENSOR
Z9	1	BURG	WAITING EXIT MOTION SENSOR
Z10	1	BURG	WAITING ROOM ENTRY DOOR
Z11	1	BURG	WAITING ROOM EXIT DOOR
Z12	1	BURG	PUBLIC RESTROOM
Z13	1	BURG	
Z14	1	BURG	
Z15	1	BURG	
Z16		BURG	



2022 DSPA USCBP CRUISE FACILITY

POWER AND SYSTEMS PLAN - PHASE 1 - ACCESS / SECURITY / DURESS / IP CAMERAS

IMPORTANT NOTICE TO USER

By accepting or using this drawing and/or the information contained herein, the user agrees to the following terms and conditions: The electronic information in the drawing may be subject to intentional or unintentional alteration. Any use, reuse, copying, modification or alteration of the information contained herein shall be at the sole risk of the user. This information may not be sold or transferred to any third party, used on other projects or additions to the project for which it was prepared, or used for completion of this project by any third party. Summit Companies disclaims all liability for the use or reuse of altered files by the user or any third party and such use will be a user's sole risk. User shall, to the fullest extent permitted by law, defend, indemnify, and hold Summit Companies harmless from any and all claims for loss, damage or injury arising directly or indirectly therefrom. THIS A SUGGESTED AND RECOMMENDED DESIGN actual installation routes and device locations may change due to either building architecture or economical installation alternatives, as built drawings can be provided at the customers request.

ADDENDUM – 001

Date	01/07/2021
Project #	20201095
Project Name	USCBP Cruise Facility
Project Location	Duluth, MN

NOTICE TO BIDDERS: This Addendum is prepared to supplement information presented in the Drawings and Project Manual for the above referenced project. All additions, changes, omissions, and conditions listed herein shall become an integral part of the Contract Documents.

DRAWINGS

1. Electrical Plans – E2.1
 - a. Revised General and Key notes.
 - b. View 3 revised receptacle location.
 - c. View 4 Added duress call button and visual notification.
2. Exterior Security Cameras – E2.2
 - a. Revised General and Key notes.



PRIOR APPROVALS

SECTION	DESCRIPTION OF EQUIPMENT	APPROVED MANUFACTURER
26 09 23	Light Fixtures	Lithonia Lighting

END OF ADDENDUM



Purchasing Division
Finance Department
Room 120
411 West First Street
Duluth, Minnesota 55802

 218-730-5340
 purchasing@duluthmn.gov

LABOR COST BIDDING DATA

Solicitation No.: 22-99042
Project Title: USCPB Cruise Facility

Funding sources for City of Duluth projects determine what wages and work hours are required. The project identified above includes the funding sources checked below.

- ☐ Federal funds
- ☐ State funds
- ☒ City funds
- ☐ Other:

Per the Duluth City Code, prevailing wages must be paid on projects over \$2,000. The prevailing wage decisions included in this project are listed below. If multiple wage decisions cover the work, bidders are required to pay the higher wage:

1. MN State Commercial Wage Decision for St. Louis County, effective 12/27/2021

This project will include a project labor agreement (PLA) if over \$150,000. Please note that union scale wages are not always higher than the prevailing wages required.

Overtime rate to be paid at no less than 1 ½ times the rate of pay, plus fringe, as established in the project's wage decision OR 1 ½ times the base rate the employee is being paid, plus fringe; whichever is higher. Overtime must be paid on:

- ☐ hours worked in excess of 8 hours per day (even if less than 40 hours worked in a week) and hours worked in excess of 40 hours per week
- ☐ hours worked in excess of 40 hours per week
- ☒ hours worked in excess of 8 hours per day and 40 hours per week, unless the bidder has an existing union labor agreement allowing different hours as prescribed in section 2-26 of the City Code.

MINNESOTA DEPARTMENT OF LABOR AND INDUSTRY PREVAILING WAGES FOR STATE FUNDED CONSTRUCTION PROJECTS



THIS NOTICE MUST BE POSTED ON THE JOBSITE IN A CONSPICUOUS PLACE

Construction Type: Commercial

County Number: 69

County Name: ST. LOUIS

Effective: 2021-12-27

This project is covered by Minnesota prevailing wage statutes. Wage rates listed below are the minimum hourly rates to be paid on this project.

All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at a rate of one and one half (1 1/2) times the basic hourly rate. *Note: Overtime pay after eight (8) hours on the project must be paid even if the worker does not exceed forty (40) hours in the work week.*

Violations should be reported to:

Department of Labor and Industry
Prevailing Wage Section
443 Lafayette Road N
St Paul, MN 55155
(651) 284-5091
DLI.PrevWage@state.mn.us

* Indicates that adjacent county rates were used for the labor class listed.

County: ST. LOUIS (69)

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
LABORERS (101 - 112) (SPECIAL CRAFTS 701 - 730)					
101	LABORER, COMMON (GENERAL LABOR WORK)	2021-12-27	28.72	20.94	49.66
		2022-05-01	29.92	21.69	51.61
102	LABORER, SKILLED (ASSISTING SKILLED CRAFT JOURNEYMAN)	2021-12-27	28.72	20.94	49.66
		2022-05-01	29.92	21.69	51.61
103	LABORER, LANDSCAPING (GARDENER, SOD LAYER AND NURSERY OPERATOR)	2021-12-27	25.75	18.70	44.45
104	FLAG PERSON	2021-12-27	28.72	20.94	49.66
105	WATCH PERSON	2021-12-27	26.37	20.94	47.31
106	BLASTER	2021-12-27	27.22	19.29	46.51

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
107	PIPELAYER (WATER, SEWER AND GAS)	2021-12-27	37.63	22.02	59.65
		2022-05-01	39.03	22.67	61.70
108	TUNNEL MINER	FOR RATE CALL 651-284-5091 OR EMAIL DLI.PREVIEW@STATE.MN.US			
109	UNDERGROUND AND OPEN DITCH LABORER (EIGHT FEET BELOW STARTING GRADE LEVEL)	2021-12-27	35.63	22.02	57.65
		2022-05-01	37.03	22.67	59.70
110	SURVEY FIELD TECHNICIAN (OPERATE TOTAL STATION, GPS RECEIVER, LEVEL, ROD OR RANGE POLES, STEEL TAPE MEASUREMENT; MARK AND DRIVE STAKES; HAND OR POWER DIGGING FOR AND IDENTIFICATION OF MARKERS OR MONUMENTS; PERFORM AND CHECK CALCULATIONS; REVIEW AND UNDERSTAND CONSTRUCTION PLANS AND LAND SURVEY MATERIALS). THIS CLASSIFICATION DOES NOT APPLY TO THE WORK PERFORMED ON A PREVAILING WAGE PROJECT BY A LAND SURVEYOR WHO IS LICENSED PURSUANT TO MINNESOTA STATUTES, SECTIONS 326.02 TO 326.15.	2021-12-27	28.72	20.94	49.66
		2022-05-01	29.92	21.69	51.61
111*	TRAFFIC CONTROL PERSON (TEMPORARY SIGNAGE)	2021-12-27	28.72	20.94	49.66
SPECIAL EQUIPMENT (201 - 204)					
201	ARTICULATED HAULER	2021-12-27	41.73	22.85	64.58
202	BOOM TRUCK	2021-12-27	41.73	22.85	64.58
203*	LANDSCAPING EQUIPMENT, INCLUDES HYDRO SEEDER OR MULCHER, SOD ROLLER, FARM TRACTOR WITH ATTACHMENT SPECIFICALLY SEEDING, SODDING, OR PLANT, AND TWO-FRAMED FORKLIFT (EXCLUDING FRONT, POSIT-TRACK, AND SKID STEER	2021-12-27	24.00	16.96	40.96

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
	LOADERS), NO EARTHWORK OR GRADING FOR ELEVATIONS				
204	OFF-ROAD TRUCK	2021-12-27	33.65	19.95	53.60
205	PAVEMENT MARKING OR MARKING REMOVAL EQUIPMENT (ONE OR TWO PERSON OPERATORS); SELF-PROPELLED TRUCK OR TRAILER MOUNTED UNITS.	2021-12-27	26.91	19.87	46.78
HIGHWAY/HEAVY POWER EQUIPMENT OPERATOR					
GROUP 2		2021-12-27	39.74	21.55	61.29
306	GRADER OR MOTOR PATROL				
308	TUGBOAT 100 H.P. AND OVER WHEN LICENSE REQUIRED (HIGHWAY AND HEAVY ONLY)				
GROUP 3		2021-12-27	40.34	22.55	62.89
		2022-05-02	41.59	23.45	65.04
309	ASPHALT BITUMINOUS STABILIZER PLANT				
310	CABLEWAY				
312	DERRICK (GUY OR STIFFLEG)(POWER)(SKIDS OR STATIONARY) (HIGHWAY AND HEAVY ONLY)				
314	DREDGE OR ENGINEERS, DREDGE (POWER) AND ENGINEER				
316	LOCOMOTIVE CRANE OPERATOR				
320	TANDEM SCRAPER				
322	TUGBOAT 100 H.P AND OVER (HIGHWAY AND HEAVY ONLY)				
GROUP 4		2021-12-27	40.04	22.55	62.59
		2022-05-02	41.29	23.45	64.74
323	AIR TRACK ROCK DRILL				
324	AUTOMATIC ROAD MACHINE (CMI OR SIMILAR) (HIGHWAY AND HEAVY ONLY)				
325	BACKFILLER OPERATOR				
327	BITUMINOUS ROLLERS, RUBBER TIRED OR STEEL DRUMMED (EIGHT TONS AND OVER)				
328	BITUMINOUS SPREADER AND FINISHING MACHINES (POWER), INCLUDING PAVERS, MACRO SURFACING AND MICRO SURFACING, OR SIMILAR TYPES (OPERATOR AND SCREED PERSON)				
329	BROKK OR R.T.C. REMOTE CONTROL OR SIMILAR TYPE WITH ALL ATTACHMENTS				
330	CAT CHALLENGER TRACTORS OR SIMILAR TYPES PULLING ROCK WAGONS, BULLDOZERS AND SCRAPERS				
331	CHIP HARVESTER AND TREE CUTTER				
332	CONCRETE DISTRIBUTOR AND SPREADER FINISHING MACHINE, LONGITUDINAL FLOAT, JOINT MACHINE, AND SPRAY MACHINE				

LABOR CODE AND CLASS	EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
334	CONCRETE MOBIL (HIGHWAY AND HEAVY ONLY)			
335	CRUSHING PLANT (GRAVEL AND STONE) OR GRAVEL WASHING, CRUSHING AND SCREENING PLANT			
336	CURB MACHINE			
337	DIRECTIONAL BORING MACHINE			
338	DOPE MACHINE (PIPELINE)			
340	DUAL TRACTOR			
341	ELEVATING GRADER			
345	GPS REMOTE OPERATING OF EQUIPMENT			
347	HYDRAULIC TREE PLANTER			
348	LAUNCHER PERSON (TANKER PERSON OR PILOT LICENSE)			
349	LOCOMOTIVE (HIGHWAY AND HEAVY ONLY)			
350	MILLING, GRINDING, PLANING, FINE GRADE, OR TRIMMER MACHINE			
352	PAVEMENT BREAKER OR TAMPING MACHINE (POWER DRIVEN) MIGHTY MITE OR SIMILAR TYPE			
354	PIPELINE WRAPPING, CLEANING OR BENDING MACHINE			
356	POWER ACTUATED HORIZONTAL BORING MACHINE, OVER SIX INCHES			
357	PUGMILL			
359	RUBBER-TIRED FARM TRACTOR WITH BACKHOE INCLUDING ATTACHMENTS (HIGHWAY AND HEAVY ONLY)			
360	SCRAPER			
361	SELF-PROPELLED SOIL STABILIZER			
362	SLIP FORM (POWER DRIVEN) (PAVING)			
363	TIE TAMPER AND BALLAST MACHINE			
365	TRACTOR, WHEEL TYPE, OVER 50 H.P. WITH PTO UNRELATED TO LANDSCAPING (HIGHWAY AND HEAVY ONLY)			
367	TUB GRINDER, MORBARK, OR SIMILAR TYPE			
GROUP 5	2021-12-27	35.85	21.55	57.40
370	BITUMINOUS ROLLER (UNDER EIGHT TONS)			
371	CONCRETE SAW (MULTIPLE BLADE) (POWER OPERATED)			
372	FORM TRENCH DIGGER (POWER)			
375	HYDRAULIC LOG SPLITTER			
376	LOADER (BARBER GREENE OR SIMILAR TYPE)			
377	POST HOLE DRIVING MACHINE/POST HOLE AUGER			
379	POWER ACTUATED JACK			
381	SELF-PROPELLED CHIP SPREADER (FLAHERTY OR SIMILAR)			
382	SHEEP FOOT COMPACTOR WITH BLADE . 200 H.P. AND OVER			
383	SHOULDERING MACHINE (POWER) APSCO OR SIMILAR TYPE INCLUDING SELF-PROPELLED SAND AND CHIP SPREADER			
384	STUMP CHIPPER AND TREE CHIPPER			
385	TREE FARMER (MACHINE)			

LABOR CODE AND CLASS	EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
GROUP 6	2021-12-27	35.79	22.55	58.34
387	CAT, CHALLENGER, OR SIMILAR TYPE OF TRACTORS, WHEN PULLING DISK OR ROLLER			
389	DREDGE DECK HAND			
391	GRAVEL SCREENING PLANT (PORTABLE NOT CRUSHING OR WASHING)			
393	LEVER PERSON			
395	POWER SWEEPER			
396	SHEEP FOOT ROLLER AND ROLLERS ON GRAVEL COMPACTION, INCLUDING VIBRATING ROLLERS			
397	TRACTOR, WHEEL TYPE, OVER 50 H.P., UNRELATED TO LANDSCAPING			

COMMERCIAL POWER EQUIPMENT OPERATOR

GROUP 1	2021-12-27	45.24	22.85	68.09
501	HELICOPTER PILOT (COMMERCIAL CONSTRUCTION ONLY)			
502	TOWER CRANE 250 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)			
503	TRUCK CRAWLER CRANE WITH 200 FEET OF BOOM AND OVER, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)			

GROUP 2	2021-12-27	44.90	22.85	67.75
504	CONCRETE PUMP WITH 50 METERS/164 FEET OF BOOM AND OVER (COMMERCIAL CONSTRUCTION ONLY)			
505	PILE DRIVING WHEN THREE DRUMS IN USE (COMMERCIAL CONSTRUCTION ONLY)			
506	TOWER CRANE 200 FEET AND OVER (COMMERCIAL CONSTRUCTION ONLY)			
507	TRUCK OR CRAWLER CRANE WITH 150 FEET OF BOOM UP TO AND NOT INCLUDING 200 FEET, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)			

GROUP 3	2021-12-27	43.49	22.85	66.34
508	ALL-TERRAIN VEHICLE CRANES (COMMERCIAL CONSTRUCTION ONLY)			
509	CONCRETE PUMP 32-49 METERS/102-164 FEET (COMMERCIAL CONSTRUCTION ONLY)			
510	DERRICK (GUY & STIFFLEG) (COMMERCIAL CONSTRUCTION ONLY)			
511	STATIONARY TOWER CRANE UP TO 200 FEET			
512	SELF-ERECTING TOWER CRANE 100 FEET AND OVER MEASURED FROM BOOM FOOT PIN (COMMERCIAL CONSTRUCTION ONLY)			
513	TRAVELING TOWER CRANE (COMMERCIAL CONSTRUCTION ONLY)			
514	TRUCK OR CRAWLER CRANE UP TO AND NOT INCLUDING 150 FEET OF BOOM, INCLUDING JIB (COMMERCIAL CONSTRUCTION ONLY)			

GROUP 4	2021-12-27	43.15	22.85	66.00
515	CRAWLER BACKHOE INCLUDING ATTACHMENTS (COMMERCIAL CONSTRUCTION ONLY)			
516	FIREPERSON, CHIEF BOILER LICENSE (COMMERCIAL CONSTRUCTION ONLY)			
517	HOIST ENGINEER (THREE DRUMS OR MORE) (COMMERCIAL CONSTRUCTION ONLY)			
518	LOCOMOTIVE (COMMERCIAL CONSTRUCTION ONLY)			
519	OVERHEAD CRANE (INSIDE BUILDING PERIMETER) (COMMERCIAL CONSTRUCTION ONLY)			

LABOR CODE AND CLASS	EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
520				
TRACTOR . BOOM TYPE (COMMERCIAL CONSTRUCTION ONLY)				
GROUP 5	2021-12-27	41.73	22.85	64.58
521				
AIR COMPRESSOR 450 CFM OR OVER (TWO OR MORE MACHINES) (COMMERCIAL CONSTRUCTION ONLY)				
522				
CONCRETE MIXER (COMMERCIAL CONSTRUCTION ONLY)				
523				
CONCRETE PUMP UP TO 31 METERS/101 FEET OF BOOM				
524				
DRILL RIGS, HEAVY ROTARY OR CHURN OR CABLE DRILL WHEN USED FOR CAISSON FOR ELEVATOR OR BUILDING CONSTRUCTION (COMMERCIAL CONSTRUCTION ONLY)				
525				
FORKLIFT (COMMERCIAL CONSTRUCTION ONLY)				
526				
FRONT END, SKID STEER 1 C YD AND OVER				
527				
HOIST ENGINEER (ONE OR TWO DRUMS) (COMMERCIAL CONSTRUCTION ONLY)				
528				
MECHANIC-WELDER (ON POWER EQUIPMENT) (COMMERCIAL CONSTRUCTION ONLY)				
529				
POWER PLANT (100 KW AND OVER OR MULTIPLES EQUAL TO 100KW AND OVER) (COMMERCIAL CONSTRUCTION ONLY)				
530				
PUMP OPERATOR AND/OR CONVEYOR (TWO OR MORE MACHINES) (COMMERCIAL CONSTRUCTION ONLY)				
531				
SELF-ERECTING TOWER CRANE UNDER 100 FEET MEASURED FROM BOOM FOOT PIN (COMMERCIAL CONSTRUCTION ONLY)				
532				
STRADDLE CARRIER (COMMERCIAL CONSTRUCTION ONLY)				
533				
TRACTOR OVER D2 (COMMERCIAL CONSTRUCTION ONLY)				
534				
WELL POINT PUMP (COMMERCIAL CONSTRUCTION ONLY)				
GROUP 6	2021-12-27	40.22	22.85	63.07
535				
CONCRETE BATCH PLANT (COMMERCIAL CONSTRUCTION ONLY)				
536				
FIREPERSON, FIRST CLASS BOILER LICENSE (COMMERCIAL CONSTRUCTION ONLY)				
537				
FRONT END, SKID STEER UP TO 1 C YD				
538				
GUNITE MACHINE (COMMERCIAL CONSTRUCTION ONLY)				
539				
TRACTOR OPERATOR D2 OR SIMILAR SIZE (COMMERCIAL CONSTRUCTION ONLY)				
540				
TRENCHING MACHINE (SEWER, WATER, GAS) EXCLUDES WALK BEHIND TRENCHER				
GROUP 7	2021-12-27	39.10	22.85	61.95
541				
AIR COMPRESSOR 600 CFM OR OVER (COMMERCIAL CONSTRUCTION ONLY)				
542				
BRAKEPERSON (COMMERCIAL CONSTRUCTION ONLY)				
543				
CONCRETE PUMP/PUMPCRETE OR COMPLACO TYPE (COMMERCIAL CONSTRUCTION ONLY)				
544				
FIREPERSON, TEMPORARY HEAT SECOND CLASS BOILER LICENSE (COMMERCIAL CONSTRUCTION ONLY)				
545				
OILER (POWER SHOVEL, CRANE, TRUCK CRANE, DRAGLINE, CRUSHERS AND MILLING MACHINES, OR OTHER SIMILAR POWER EQUIPMENT) (COMMERCIAL CONSTRUCTION ONLY)				
546				
PICK UP SWEEPER (ONE CUBIC YARD HOPPER CAPACITY) (COMMERCIAL CONSTRUCTION ONLY)				
547				
PUMP AND/OR CONVEYOR (COMMERCIAL CONSTRUCTION ONLY)				
GROUP 8	2021-12-27	37.09	22.85	59.94

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
548	ELEVATOR OPERATOR (COMMERCIAL CONSTRUCTION ONLY)				
549	GREASER (COMMERCIAL CONSTRUCTION ONLY)				
550	MECHANICAL SPACE HEATER (TEMPORARY HEAT NO BOILER LICENSE REQUIRED) (COMMERCIAL CONSTRUCTION ONLY)				
TRUCK DRIVERS					
GROUP 1 *		2021-12-27	33.65	19.95	53.60
601	MECHANIC . WELDER				
602	TRACTOR TRAILER DRIVER				
603	TRUCK DRIVER (HAULING MACHINERY INCLUDING OPERATION OF HAND AND POWER OPERATED WINCHES)				
GROUP 2		2021-12-27	29.70	16.60	46.30
604	FOUR OR MORE AXLE UNIT, STRAIGHT BODY TRUCK				
GROUP 3		2021-12-27	33.00	19.95	52.95
605	BITUMINOUS DISTRIBUTOR DRIVER				
606	BITUMINOUS DISTRIBUTOR (ONE PERSON OPERATION)				
607	THREE AXLE UNITS				
GROUP 4 *		2021-12-27	25.10	10.85	35.95
608	BITUMINOUS DISTRIBUTOR SPRAY OPERATOR (REAR AND OILER)				
609	DUMP PERSON				
610	GREASER				
611	PILOT CAR DRIVER				
612	RUBBER-TIRED, SELF-PROPELLED PACKER UNDER 8 TONS				
613	TWO AXLE UNIT				
614	SLURRY OPERATOR				
615	TANK TRUCK HELPER (GAS, OIL, ROAD OIL, AND WATER)				
616	TRACTOR OPERATOR, UNDER 50 H.P.				
SPECIAL CRAFTS					
701	HEATING AND FROST INSULATORS	2021-12-27	45.06	20.70	65.76
		2022-06-05	47.31	20.70	68.01
702	BOILERMAKERS	2021-12-27	40.94	29.28	70.22
		2022-01-01	42.64	29.28	71.92
703	BRICKLAYERS	2021-12-27	36.35	30.54	66.89

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
704	CARPENTERS	2021-12-27	32.20	23.58	55.78
		2022-05-02	34.25	23.58	57.83
705	CARPET LAYERS (LINOLEUM)	2021-12-27	36.12	21.57	57.69
706	CEMENT MASONS	2021-12-27	35.76	20.88	56.64
		2022-05-01	37.71	20.88	58.59
707	ELECTRICIANS	2021-12-27	41.37	28.84	70.21
708	ELEVATOR CONSTRUCTORS	2021-12-27	53.28	41.79	95.07
		2022-01-01	55.10	43.00	98.10
709	GLAZIERS	2021-12-27	33.16	23.18	56.34
		2022-05-02	35.16	23.18	58.34
710*	LATHERS	2021-12-27	31.44	18.43	49.87
712	IRONWORKERS	2021-12-27	35.09	31.80	66.89
714	MILLWRIGHT	2021-12-27	36.10	23.10	59.20
		2022-01-01	36.10	24.21	60.31
		2022-05-02	38.25	24.21	62.46
715	PAINTERS (INCLUDING HAND BRUSHED, HAND SPRAYED, AND THE TAPING OF PAVEMENT MARKINGS)	2021-12-27	33.64	22.34	55.98
		2022-05-01	35.69	22.34	58.03
716	PILEDRIIVER (INCLUDING VIBRATORY DRIVER OR EXTRACTOR FOR PILING AND SHEETING OPERATIONS)	2021-12-27	40.00	26.04	66.04
		2022-05-02	42.15	26.04	68.19
717	PIPEFITTERS . STEAMFITTERS	2021-12-27	41.40	23.95	65.35
		2022-05-01	43.55	23.95	67.50
718	PLASTERERS	2021-12-27	36.24	21.13	57.37
719	PLUMBERS	2021-12-27	41.40	23.95	65.35

LABOR CODE AND CLASS		EFFECT DATE	BASIC RATE	FRINGE RATE	TOTAL RATE
		2022-05-02	43.55	23.95	67.50
720	ROOFER	2021-12-27	33.22	15.59	48.81
		2022-05-01	35.17	15.59	50.76
721	SHEET METAL WORKERS	2021-12-27	35.07	27.92	62.99
722*	SPRINKLER FITTERS	2021-12-27	39.18	23.22	62.40
723	TERRAZZO WORKERS	2021-12-27	41.96	22.50	64.46
724	TILE SETTERS	2021-12-27	31.28	26.24	57.52
725	TILE FINISHERS	2021-12-27	21.72	21.21	42.93
726	DRYWALL TAPER	2021-12-27	33.64	22.44	56.08
		2022-05-01	35.69	22.44	58.13
727	WIRING SYSTEM TECHNICIAN	2021-12-27	42.46	19.41	61.87
		2022-07-01	43.52	19.41	62.93
728	WIRING SYSTEMS INSTALLER	2021-12-27	29.75	16.08	45.83
		2022-07-01	30.49	16.08	46.57
729	ASBESTOS ABATEMENT WORKER	2021-12-27	33.98	20.75	54.73
		2022-01-01	35.13	21.55	56.68
730	SIGN ERECTOR	2021-12-27	30.67	17.65	48.32
		2022-06-01	32.17	17.65	49.82