#### Addendum Number 01

ARCHITECTS · ENGINEERS
BANGOR PORTLAND SARASOTA

Project: 4277.00 Facility Upgrades at 19 Union Street May 29, 2019

To: Prospective Bidders

From:

WBRC ARCHITECTS ENGINEERS

44 Central Street Bangor, ME 04401-5116 (207) 947-4511 www.wbrcae.com

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated May 10, 2019, as noted below. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of the following:

- Clarifications
- Specification Changes
- Drawing Changes
- Pre-Bid Meeting Agenda & Attendance Sheet
- Section 101100
- Section 104413
- Sheet AE100
- Sheet AE101
- Sheet AE102
- Sheet EL100

## **CLARIFICATIONS:**

- 1. May 23, 2019, Mandatory Pre-Bid Meeting Agenda and Attendee Sign-in Sheet attached.
- 2. Existing drawings prepared for an earlier renovation project of 19 Union Street are available for reference by contacting WBRC Architects Engineers, Donna Allen, <a href="donna.allen@wbcrae.com">donna.allen@wbcrae.com</a>. Note: These drawings were prepared by others as part of a renovation project for the State of Maine in 2009. WBRC assumes no responsibility for the accuracy or content of documents prepared by others.
- 3. AD100 Clarify if the owner is only going to remove the system furniture walls. It appears the desk and other equipment by contractors.
  - Answer: Owner will remove all system furniture components (desks, partitions, cabinets, etc.).
- 4. AD100/AE110/AE201 Are there windows to be removed or windows cut in in the basement? Drawings are inconsistent.
  - Answer: All windows in the wing south of Column Line F are to be removed and replaced with new in existing rough openings. No cutting of existing structure is intended.
- 5. AE100-AE102 Floor Plan Keynotes are not all found on the drawings. Can you define which are not used on each page?
  - Answer: Not all apply to each sheet. This has been clarified in Addendum #1 with reissuance of sheets AE100, AE101, AE102.
- 6. AE101 Shows new double doors on Stair #5 with no plan floor keynotes detail, is this an error? *Answer: Disregard door shown on AE101. See revised sheet AE100.*



7. With the age of the building, is there any asbestos or lead containing materials?

Answer: No hazardous materials are assumed to be present. Building has been abated previously.

## **SPECIFICATION CHANGES:**

- 8. Section 101100, Visual Display Units, ADD section.
- 9. Section 104413, Fire Protection Cabinets, ADD section.

## **DRAWING CHANGES:**

- 10. Sheet AE100, Basement Floor Plan, DELETE and REPLACE with attached sheet.
- 11. Sheet AE101, First Floor Plan, DELETE and REPLACE with attached sheet.
- 12. Sheet AE102, Second Floor Plan, DELETE and REPLACE with attached sheet.
- 13. Sheet EL100, Basement Lighting Plan, DELETE and REPLACE with attached sheet.

END OF ADDENDUM



# **Meeting - External**

44 Central Street, Bangor, ME 04401

PROJECT 427700 BREM Augusta DATE 5/23/2019 10:00 AM -

04277.00 11:00 AM

ORGANIZER Steve Pedersen SUBJECT Pre-Bid Meeting

LOCATION 19 Union Street, Augusta, Maine

INVITEES John Blais, Steve Pedersen

**ATTENDEES** 

CC Karen Rand (WBRC AE), Kenneth Nguyen (WBRC AE), Richard Borrelli

(WBRC AE), Andrew Rudnicki (WBRC AE)

MEETING COMMENTS

#### **AGENDA**

- 1. Welcome
- All attendees please sign the sign-in sheet
- Job walk is mandatory for general contractors, optional for all others
- 2. Introductions
- Owner: Bureau of Real Estate Management, State of Maine
- Owner's Primary Representative: John Blais, (207) 624-7318, john.a.blais@maine.gov
- WBRC Contact: Steve Pedersen, (207) 947-4511, steve.pedersen@wbrcae.com
- WBRC Backup Contact: Karen Rand, (207) 947-4511, karen.rand@wbrcae.com
- 3. Obtain Drawings/Specifications
- Plans and Specifications may be obtained electronically, free of charge, by contacting Donna Allen, donna.allen@wbrcae.com, at WBRC
- Printed bid documents may be obtained at cost directly from Print, Bangor (207) 947-8049
- 4. Scope of Work
- Renovation of an existing state-owned 3-story office building of approximately 40,000 gross floor area including new room configurations; floor, ceiling, and wall finishes; built-in millwork; exterior window replacement; exterior finish repair and associated electrical and mechanical modifications.
- 5. Filed Sub Bids: None
- 6. Bid Submission Schedule

# **Meeting - External**

MEETING DATE: 5/23/2019

#### **AGENDA**

- Date/Time: Thursday, June 13, 2019, 2:00pm
- Bid Opening Location: Bureau of Real Estate Management, 4th Floor, Cross State
   Office Building, 111 Sewall Street, Augusta, Maine
- 7. Required Bid Documents: Bidders shall include the following documentation in their Bid:
- Section 00 41 13 CONTRACTOR BID FORM
- Section 00 43 13 CONTRACTOR BID BOND
- 8. Time of Contract:
- Construction contract award: June 14, 2019
- Begin Construction: June 24, 2019
- Preconstruction Meeting: June 24, 2019
- Substantial Completion: December 21, 2019
- Final Completion/Move In: January 27, 2019
- 9. Liquidated Damages: See General Conditions, Article 37.
- 10. Owner is tax exempt nonprofit organization
- 11. Insurance: See General Conditions, Article 9
- 12. Bonds:
  - 5% Bid Bond, 100% Performance, 100% Payment
  - Bond forms in specifications
- 12. Allowances: \$10,000 for interior room identification signage
- 14. Unit Prices: None
- 15. Alternates: None
- 16. Coordination with Occupants:
  - Owner will occupy a portion of building during entire construction period.
  - Coordinate with Owner for access through the building and protection of existing finishes.
  - Refer to Specification Section 011000 Summary for more information
- 16. Construction Staging:
  - Confirmation will be made after the meeting by walking the site

# **Meeting - External**

MEETING DATE: 5/23/2019

#### **AGENDA**

- 16. Current Bid List: Available on request by calling WBRC Architects/Engineers, 947-4511, or emailing Donna Allen, donna.allen@wbrcae.com
- 19. Clarification during bidding:
  - Requests for clarification shall be in writing or email and received by the
    architect no later than 7 days prior to bid opening. Official changes to the
    Bid Documents will be issued by Addendum no later than 3 business days
    prior to bid opening. Questions should be emailed to: Steve Pedersen,
    steve.pedersen@wbrcae.com
  - Final date to submit clarification requests: Friday, June 7, 2019
  - Final addendum issue date: Monday, June 10, 2019
- 19. Verbal Discussions Modifications to Bid Documents: Information included in and discussed at the Pre-Bid Conference does <u>NOT</u> supersede any information contained in the Bid Documents. Changes to the Bid Documents shall only be made by addenda.
- 21. Meeting Adjourned/Building Tour



# AGENDA FOR PRE-BID MEETING (MANDATORY)

**Project: Facility Upgrades at 19 Union Street** WBRC Project Number: 4277.00

Meeting Date/Time: May 23, 2019 - 10:00am Meeting Location: 19 Union Street. Augusta, Maine

4.550	Company Name / Mailing			√ if	Subcontractor /
ATTENDEE	Address	Telephone	<u>Email</u>	GC	Trade
	Great Falls Inc	839-2744		. /	
Jim Roy	ZaMachanic St York	v	Irux egreat fallsing.com	V	
5te Migure	ESM	783->126	STeve@electricalsystemsofMain	o. Gh	
KURT KNOWER	1 /	212 -5872	KURT. KNOWLTON @ Honey were. Com		
JASON Ring	EXACTITUDE	267-321-9306	Jring@EXACTITUDEINE.com		Millwork
GAGE SIMARD	EXACITIVE	207 -615-1555	GSIMARD @ EXACTIMENTE.COM		ACRESS GIMEL
Mike Cossidy	The Panobscot Co	236-6390	RABB thepencoge. com MSC & thepengoge. Com		GC
PHIL ST. PIFREE	S.J. WOOD CONST	377-8543	PHILO SIWOOD. NET		GC
Jess Becker	BLANE CASEY	622-5600	JBECKER & BLANECASEY.Com	~	GC
Bob Varing	Bruman Constructors	368-2405	bil 50 bauman constructors con	<b>✓</b>	40
BIME PEEBLE		63- 39-651	Hale Pee Hes Bhang well.		Carres



## **AGENDA FOR PRE-BID MEETING (MANDATORY)**

Project: Facility Upgrades at 19 Union Street

WBRC Project Number: 4277.00

Meeting Date/Time: May 23, 2019 – 10:00am

Meeting Location: 19 Union Street. Augusta, Maine

ATTENDEE	Company Name / Mailing Address	Telephone	Email	√ if GC	Subcontractor / Trade
Keith Knowles	Knowles Mechanical	495-4092	Leith @ Knowlesmechanism		Mechanical Plansing
Morty Butter	KMI	445-4092	m. butten e knowles mecho		
Steven Moise	KWI HE Callaham	495-4092	Star. Kmi-Jægmail	an'	Duct
Steven Moise Michelle Keegan	HE Callaham	784-6927	m kelgane kecallahan com m kelgane jahoo com	2	
James Perz	Hobres Bros	513-0820	Jer-ahahnelbrosc	0. C	Duct
Netson Corsun	Lukeside Concrete Cutto	34/-0216	neurson @ lakesiceconcretoutty		Dens/Connete Cettou
Randy Chute	NICKODAY	989-7400	Rohuter Nickopay.a		
Rusty Traws	Traves Electre	207-474-9050			- electron
Tyler Coffin	Doten's Const	865-4412	Tyler@ dotens, com		
JoshuaShephen		509-6425	jshepherd@mainepaintingco.	1	Painting

#### **SECTION 101100**

#### VISUAL DISPLAY UNITS

#### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

#### 1.2 SUMMARY

- A. Section Includes:
  - 1. Visual display board assemblies.
  - 2. Rail support systems for visual display board assemblies.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include construction details, material descriptions, dimensions of individual components and profiles, finishes, and accessories for visual display units.
  - 2. Include electrical characteristics for motorized units.
- B. Shop Drawings: For visual display units.
  - 1. Include plans, elevations, sections, details, and attachment to other work.
  - 2. Show locations of panel joints.
  - 3. Include sections of typical trim members.
- C. Samples for Initial Selection: For each type of visual display unit indicated, for units with factory-applied color finishes, and as follows:
  - 1. Samples of facings for each visual display panel type, indicating color and texture.
  - 2. Fabric swatches of fabric facings for tackboards.
  - 3. Actual factory-finish color samples, applied to wood substrate.
  - 4. Include accessory Samples to verify color selected.
- D. Samples for Verification: For each type of visual display unit indicated.
  - 1. Visual Display Panel: Not less than 8-1/2 by 11 inches, with facing, core, and backing indicated for final Work. Include one panel for each type, color, and texture required.
  - 2. Trim: 6-inch- long sections of each trim profile.
  - 3. Display Rail: 6-inch- long section of each type.

## 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for surface-burning characteristics of tackboards.
- C. Sample Warranties: For special warranties.

#### 1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For visual display units to include in maintenance manuals.

## 1.6 QUALITY ASSURANCE

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

## 1.7 DELIVERY, STORAGE, AND HANDLING

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

#### 1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install visual display units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.
- B. Field Measurements: Verify actual dimensions of construction contiguous with visual display units by field measurements before fabrication.
  - Allow for trimming and fitting where taking field measurements before fabrication might delay the Work.

#### 1.9 WARRANTY

- A. Special Warranty for Porcelain-Enamel Face Sheets: Manufacturer agrees to repair or replace porcelain-enamel face sheets that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Surfaces lose original writing and erasing qualities.
    - b. Surfaces exhibit crazing, cracking, or flaking.
  - 2. Warranty Period: 50 years from date of Substantial Completion.

## PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

A. Source Limitations: Obtain each type of visual display unit from single source from single manufacturer.

## 2.2 PERFORMANCE REQUIREMENTS

- A. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
  - 1. Flame-Spread Index: 25 or less.
  - 2. Smoke-Developed Index: 450 or less.

#### 2.3 VISUAL DISPLAY BOARD ASSEMBLY

- A. Basis-of-Design Product: Subject to compliance with requirements, provide comparable product by one of the following:
  - 1. Claridge Products and Equipment, Inc.
- B. Visual Display Board Assembly: Factory fabricated.
  - 1. Assembly: Markerboard.
  - 2. Corners: Square.
  - 3. Width: As indicated on Drawings.
  - 4. Height: As indicated on Drawings.
  - 5. Mounting Method: Rail support system.
- C. Markerboard Panel: Porcelain-enamel-faced markerboard panel on core indicated.
  - 1. Color: White.
- D. Aluminum Frames and Trim: Fabricated from not less than 0.062-inch- thick, extruded aluminum; slim size and standard shape.
  - 1. Field-Applied Trim: Manufacturer's standard, snap-on trim with no visible screws or exposed joints.
  - 2. Aluminum Finish: Clear anodic finish.
- E. Chalktray: Manufacturer's standard; continuous.
  - 1. Box Type: Extruded aluminum with slanted front, grooved tray, and cast-aluminum end closures.
  - 2. Solid Type: Extruded aluminum with ribbed section and smoothly curved exposed ends.
- F. Display Rail: Manufacturer's standard, extruded-aluminum display rail with plastic-impregnated-cork insert, end stops, and continuous paper holder, designed to hold accessories.
  - 1. Size: 2 inches high by full length of visual display unit.
  - 2. Map Hooks and Clips: Two Insert number map hooks with flexible metal clips for every 48 inches of display rail or fraction thereof.
  - 3. Aluminum Color: Match finish of visual display assembly trim.

## 2.4 MARKERBOARD PANELS

- A. Porcelain-Enamel Markerboard Panels: Balanced, high-pressure, factory-laminated markerboard assembly of three-ply construction, consisting of moisture-barrier backing, core material, and porcelain-enamel face sheet with low-gloss finish. Laminate panels under heat and pressure with manufacturer's standard, flexible waterproof adhesive.
  - 1. Face Sheet Thickness: 0.021 inch uncoated base metal thickness.
  - 2. Manufacturer's Standard Core: Minimum 1/4 inch thick, with manufacturer's standard moisture-barrier backing.
  - 3. Laminating Adhesive: Manufacturer's standard moisture-resistant thermoplastic type.

## 2.5 MATERIALS

- A. Porcelain-Enamel Face Sheet: PEI-1002, with face sheet manufacturer's standard two- or three-coat process.
- B. Adhesives for Field Application: Mildew-resistant, nonstaining adhesive for use with specific type of panels, sheets, or assemblies; and for substrate application; as recommended in writing by visual display unit manufacturer.
  - 1. Adhesives shall comply with the testing and product requirements of the California Department of Public Health's (formerly, the California Department of Health Services') "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

## 2.6 GENERAL FINISH REQUIREMENTS

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

## 2.7 ALUMINUM FINISHES

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

## PART 3 - EXECUTION

### 3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.

- B. Examine roughing-in for electrical power systems to verify actual locations of connections before installation of motorized, sliding visual display units.
- C. Examine walls and partitions for proper preparation and backing for visual display units.
- D. Examine walls and partitions for suitable framing depth where sliding visual display units will be installed.
- E. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.2 PREPARATION

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

#### 3.3 INSTALLATION

- A. General: Install visual display surfaces in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.
- B. Factory-Fabricated Visual Display Board Assemblies: Attach concealed clips, hangers, and grounds to wall surfaces and to visual display board assemblies with fasteners at not more than 16 inches o.c. Secure tops and bottoms of boards to walls.
- C. Visual Display Board Assembly Mounting Heights: Install visual display units at mounting heights indicated on Drawings, or if not indicated, at heights indicated below.
  - 1. Mounting Height: 36 inches above finished floor to top of chalktray.
- D. Display Rails: Install rails at mounting heights indicated on Drawings, or if not indicated, at height indicated below. Attach to wall surface with fasteners at not more than 16 inches o.c.
  - 1. Mounting Height: 72 inches above finished floor to top of rail.

## 3.4 CLEANING AND PROTECTION

- A. Clean visual display units according to manufacturer's written instructions. Attach one removable cleaning instructions label to visual display unit in each room.
- B. Touch up factory-applied finishes to restore damaged or soiled areas.

C. Cover and protect visual display units after installation and cleaning.

END OF SECTION 101100

#### SECTION 104413 - FIRE PROTECTION CABINETS

### PART 1 - GENERAL

## 1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

## 1.2 SUMMARY

- A. Section Includes:
  - 1. Fire-protection cabinets for the following:
    - a. Portable fire extinguishers.
- B. Related Requirements:
  - 1. Fire Extinguishers will be provided by Owner.

### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product. Show door hardware, cabinet type, trim style, and panel style. Include roughing-in dimensions and details showing recessed-, semirecessed, or surface-mounting method and relationships of box and trim to surrounding construction.
- B. Shop Drawings: For fire-protection cabinets. Include plans, elevations, sections, details, and attachments to other work.
- C. Product Schedule: For fire-protection cabinets. Indicate whether recessed, semirecessed, or surface mounted. Coordinate final fire-protection cabinet schedule with fire-extinguisher schedule to ensure proper fit and function.

#### 1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For fire-protection cabinets to include in maintenance manuals.

## 1.5 COORDINATION

A. Coordinate sizes and locations of fire-protection cabinets with wall depths.

### 1.6 SEQUENCING

A. Apply decals on field-painted fire-protection cabinets after painting is complete.

## PART 2 - PRODUCTS

### 2.1 FIRE-PROTECTION CABINET

- A. Cabinet Type: Suitable for fire extinguisher.
  - 1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
- B. Cabinet Construction: Nonrated.
- C. Cabinet Material: Cold-rolled steel sheet.
- D. Semirecessed Cabinet: One-piece combination trim and perimeter door frame overlapping surrounding wall surface with exposed trim face and wall return at outer edge (backbend).
  - 1. Rolled-Edge Trim: 2-1/2-inch backbend depth.
- E. Cabinet Trim Material: Same material and finish as door.
- F. Door Material: Steel sheet.
- G. Door Style: Center glass panel with frame.
- H. Door Glazing: Tempered float glass (clear).
- I. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
  - 1. Provide manufacturer's standard.
  - 2. Provide manufacturer's standard hinge permitting door to open 180 degrees.

#### J. Accessories:

- 1. Mounting Bracket: Manufacturer's standard steel, designed to secure fire extinguisher to fire-protection cabinet, of sizes required for types and capacities of fire extinguishers indicated, with plated or baked-enamel finish.
- 2. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated.
  - a. Identify fire extinguisher in fire-protection cabinet with the words "FIRE EXTINGUISHER."
    - 1) Location: Applied to cabinet glazing.
    - 2) Application Process: Decals.
    - 3) Lettering Color: Red.
    - 4) Orientation: Vertical.

#### K. Materials:

- 1. Cold-Rolled Steel: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B.
  - a. Finish: Baked enamel or powder coat.
  - b. Color: As selected by Architect from full range of industry colors and color densities.

2. Tempered Float Glass: ASTM C 1048, Kind FT, Condition A, Type I, Quality q3, 3 mm thick, Class 1 (clear).

### 2.2 FABRICATION

- A. Fire-Protection Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
  - 1. Weld joints and grind smooth.
  - 2. Provide factory-drilled mounting holes.
  - 3. Prepare doors and frames to receive locks.
  - 4. Install door locks at factory.
- B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles.
  - 1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2 inch thick
  - 2. Fabricate door frames of one-piece construction with edges flanged.
  - 3. Miter and weld perimeter door frames.
- C. Cabinet Trim: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.

## 2.3 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's AMP 500, "Metal Finishes Manual for Architectural and Metal Products," for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces of fire-protection cabinets from damage by applying a strippable, temporary protective covering before shipping.
- C. Finish fire-protection cabinets after assembly.
- D. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine walls and partitions for suitable framing depth and blocking where semirecessed cabinets will be installed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.2 PREPARATION

A. Prepare recesses for semirecessed fire-protection cabinets as required by type and size of cabinet and trim style.

## 3.3 INSTALLATION

- A. General: Install fire-protection cabinets in locations and at mounting heights indicated or, if not indicated, at heights indicated below:
  - 1. Fire-Protection Cabinets: 54 inches above finished floor to top of cabinet.
- B. Fire-Protection Cabinets: Fasten cabinets to structure, square and plumb.
  - 1. Unless otherwise indicated, provide semirecessed fire-protection cabinets.
  - 2. Provide inside latch and lock for break-glass panels.
  - 3. Fasten mounting brackets to inside surface of fire-protection cabinets, square and plumb.
- C. Identification: Apply decals at locations indicated.

## 3.4 ADJUSTING AND CLEANING

- A. Remove temporary protective coverings and strippable films, if any, as fire-protection cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.
- C. On completion of fire-protection cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes, or replace fire-protection cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet and mounting bracket manufacturers.
- E. Replace fire-protection cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

**END OF SECTION 104413** 







