**City of Kodiak**
**Baranof Park Improvements; Ice Rink PN 19-03/9018**
**Addendum No. 4**
**April 21, 2022**

The following change(s) and/or clarification(s) are made to the Plan and Specification Documents of Invitation to Bid for the Baranof Park Improvements; Ice Rink PN 19-03/9018**:**

1) Changes to the following:

**a) <u>PROJECT MANUAL:</u>**

**Item No. 1** : Section 01 1000 Summary

REVISE Paragraph 1.1.A to read:

"Baranof Ice Rink Improvements"

REVISE Paragraph 1.4.A to read:

"Owner intends to continue to occupy adjacent portions of the existing site during the entire construction period. The owner intends to use the ice rink portion of the facility. The ice rink shall be operational 10/1/22 – 3/26/2023 - During that period the contractor will have to provide the code required access and egress to the ice rink portion of the facility. The parking lot will be used by the public for parking, drop off and access to the building, see drawing A2.1."

**Item No. 2** : Section 01 3000 Administrative Requirement

REVISE Paragraph 3.1.C.1 to read:

"Contractor to all documents in electronic format. Utilize online submittal service (service similar to Submittal Exchange, Procore, etc.) or submit documents with file sharing service (service similar to ShareFile, DropBox, etc.)."

DELETE Paragraph 3.1.C.2

**Item No. 3** : Section 0 17419 Construction Waste Management and Disposal,

DELETE Paragraph 1.3.A and REVISE paragraph "1.3.B" to be "1.3.A"

Section 08 7100 Door Hardware; Revise paragraph 3.2, FINISH HARDWARE SETS, per attached specifications.

**b) <u>DRAWINGS:</u>**

**Item No. 1** : Revise Sheet A2.1 – SITE PLAN

Revise site plan to include adjacent lot for contractor Field Office / Parking / Laydown Area per attached drawing. Add area hatch to identify area of the building and site to be occupied / used by the owner / public from October 1, 2022 to March 26, 2023 per attached drawing.

**b) <u>DRAWINGS (continued):</u>**

**Item No. 2** : Revise sheet A2.2 – CONSTRUCTION PLAN

Add hatch to designate "RESIL" flooring per attached drawing.

2) Questions & Answers:

a) Question: Are they sure they want to put 3 way and 4 ways switches to control the ice rink lights. It might be better to leave a couple lights on and put switches in office?

Answer: Please see attached drawing revisions to the lighting sheets (sheets E2.1 and E6.1) to accommodate the deletion of the 3-way and 4-way switches, relocation of one bank of switches into the Skate Rental Room 118, the deletion of occupancy sensors in the entry area, and the night lights in the rink area.

b) Question: Do they want to put existing panel, transformer indoors somewhere?

Answer: The equipment will remain as shown for bidding purposes. The locations of the equipment will be evaluated after award with the successful bidding Contractor.

c) Question: I was provided plan sheet C5.3 and the only note I saw had a description that did not match the part number provided. If this was explained in the spec's or other sheets I apologize but since I was not provided anything else I need to make sure of what is required. A Liberty D36120LSGX203-48 is not explosion-proof and will not have intrinsically safe controls. It also comes standard with galvanized rails not stainless steel. A LSGX203 is a 2-stage 208v/230v-3ph non ex-proof pump. It is a high head low flow grinder pump. It does not appear that a high-head pump is needed. IF it is, and the explosion-proof is required the part number would be XLSGX203 (D36120XLSGX203-48-S) the "X" in front of the LSG designates it explosion-proof. IF you do not want the High Head pump the part number would be XLSG203 (D36120XLSG203-48-S) the "-S" is the option for the stainless steel rails. I believe based on what I can see (and if the ex-proof is wanted) that the part# should be D36120XLSG203-48-S. This would give you a Grinder pump that will produce 50GPM up to approx. 50ft of head with a dead head at around 100ft. I only see approx. 8ft of head. Please let me know if you concur or if some of the things in the note does not apply. The high head option will produce 38gpm up to the same 50ft but will dead head around 180ft.

Answer: The intent is to have explosion-proof pumps appropriately sized for the site conditions (head) with intrinsically safe controls and stainless steel interior components (plumbing, rails, etc.). Bidders may propose alternate lift station components than what is presented in the design (such as the pumps) for review by the engineer.

Bid date remains Thursday, April 28, 2022.There are no changes to the Bid opening Time and Location.

# SECTION 08 7100
# DOOR HARDWARE

## PART 1 GENERAL

### 1.1 RELATED REQUIREMENTS

A. Section 08 1213 - Hollow Metal Frames.

B. Section 08 4313 - Aluminum-Framed Storefronts: Door hardware, except as noted in section.

### 1.2 REFERENCE STANDARDS

A. BHMA A156.3 - American National Standard for Exit Devices 2014.

B. BHMA A156.4 - American National Standard for Door Controls - Closers 2013.

C. BHMA A156.6 - American National Standard for Architectural Door Trim 2015.

D. BHMA A156.13 - American National Standard for Mortise Locks & Latches Series 1000 2017.

E. BHMA A156.16 - American National Standard for Auxiliary Hardware 2013.

F. BHMA A156.21 - American National Standard for Thresholds 2014.

G. BHMA A156.28 - American National Standard for Recommended Practices for Mechanical Keying Systems 2013.

H. DHI (KSN) - Keying Systems and Nomenclature 1989.

I. ITS (DIR) - Directory of Listed Products current edition.

J. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2016.

K. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies 2018.

L. UL (DIR) - Online Certifications Directory Current Edition.

M. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies Current Edition, Including All Revisions.

### 1.3 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

### 1.4 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least three years of documented experience.

B. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section.

### 1.5 WARRANTY

A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

B. Warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion.

1. Locksets and Cylinders: Three years, minimum.

2. Other Hardware: Two years, minimum.

## PART 2 PRODUCTS

### 2.1 DESIGN AND PERFORMANCE CRITERIA

A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.

B. Provide individual items of single type, of same model, and by same manufacturer.

C. Provide door hardware products that comply with the following requirements:

1. Applicable provisions of federal, state, and local codes.

2. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.

3. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR), ITS (DIR), testing firm acceptable to authorities having jurisdiction, or [_____] as suitable for application indicated.

### 2.2 EXIT DEVICES

A. Manufacturers:

1. Stanley, dormakaba Group; [_____]: www.stanleyhardwarefordoors.com/#sle.

B. Exit Devices: Comply with BHMA A156.3, Grade 1.

1. Lever design to match lockset trim.

2. Provide cylinder with cylinder dogging or locking trim.

3. Provide exit devices properly sized for door width and height.

4. Provide strike as recommended by manufacturer for application indicated.

5. Provide UL (DIR) listed exit device assemblies for fire-rated doors and panic device assemblies for non-fire-rated doors.

### 2.3 LOCK CYLINDERS

A. Manufacturers:

1. Best, dormakaba Group; [_____]: www.bestaccess.com/#sle.

B. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.

1. Provide cylinders from same manufacturer as locking device.

2. Provide cams and/or tailpieces as required for locking devices.

## 2.4 MORTISE LOCKS

A. Manufacturers:

1. Best, dormakaba Group; [_____]: www.bestaccess.com/#sle.

B. Mortise Locks: Comply with BHMA A156.13, Grade 1, Security, 1000 Series.

1. Latchbolt Throw: 3/4 inch (19 mm), minimum.

2. Deadbolt Throw: 1 inch (25.4 mm), minimum.

3. Backset: 2-3/4 inch (70 mm) unless otherwise indicated.

4. Strikes: Provide manufacturer's standard strike for each latchset or lockset with strike box and curved lip extending to protect frame in compliance with indicated requirements.

a. Finish: To match lock or latch.

## 2.5 DOOR PULLS AND PUSH PLATES

A. Door Pulls and Push Plates: Comply with BHMA A156.6.

1. Pull Type: Straight, unless otherwise indicated.

2. Push Plate Type: Flat, with square corners, unless otherwise indicated.

a. Edges: Beveled, unless otherwise indicated.

3. Material: Aluminum, unless otherwise indicated.

## 2.6 CLOSERS

A. Manufacturers; Surface Mounted:

1. Stanley, dormakaba Group; QDC115: www.stanleyhardwarefordoors.com/#sle.

B. Closers: Comply with BHMA A156.4, Grade 1.

1. Type: Surface mounted to door.

2. Provide door closer on each exterior door.

## 2.7 PROTECTION PLATES

A. Manufacturers:

1. Rockwood; an Assa Abloy Group company; [_____]: www.assaabloydss.com/#sle.

B. Protection Plates: Comply with BHMA A156.6.

C. Edges: Beveled, on four sides unless otherwise indicated.

D. Fasteners: Countersunk screw fasteners.

## 2.8 WALL STOPS

A. Manufacturers:

1. Rockwood; an Assa Abloy Group company; [_____]: www.assaabloydss.com/#sle.

B. Wall Stops: Comply with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.

1. Type: Bumper, concave, wall stop.

2. Material: Aluminum housing with rubber insert.

## 2.9 THRESHOLDS

A. Manufacturers:

1. National Guard Products, Inc; [_____]: www.ngpinc.com/#sle.

B. Thresholds: Comply with BHMA A156.21.

1. Provide threshold at each exterior door, unless otherwise indicated.

2. Type: Flat surface.

3. Material: Aluminum.

4. Threshold Surface: Fluted horizontal grooves across full width.

5. Field cut threshold to profile of frame and width of door sill for tight fit.

6. Provide non-corroding fasteners at exterior locations.

## 2.10 SILENCERS

A. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.

1. Single Door: Provide three on strike jamb of frame.

2. Pair of Doors: Provide two on head of frame, one for each door at latch side.

3. Material: Rubber, gray color.

## 2.11 KEY CONTROL SYSTEMS

A. Manufacturers:

B. Key Control Systems: Comply with guidelines of BHMA A156.28.

1. Provide keying information in compliance with DHI (KSN) standards.

2. Keying: Grand master keyed. Tie into existing system.

3. Supply keys in following quantities:

a. 1 each Grand Master keys.

## 2.12 FIRE DEPARTMENT LOCK BOX

A. Manufacturers:

1. Knox Company; Knox-Box Rapid Entry System, [_____]: www.knoxbox.com/#sle.

B. Fire Department Lock Box:

1. Capacity: Holds 10 keys.

2. Finish: Manufacturer's standard dark bronze.

## 2.13 FINISHES

A. Finishes: Identified in Door Hardware Schedule.

# PART 3 EXECUTION

## 3.1 INSTALLATION

A. Install hardware in accordance with manufacturer's instructions and applicable codes.

B. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.

C. Use templates provided by hardware item manufacturer.

D. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.

E. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

## 3.2 FINISH HARDWARE SETS

A. Hardware Schedule

B. **HW GROUP 1 - EXTEIROR ENTRANCE SOUTH DOORS**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 2 | CONTINUOUS HINGE | 661HD x 83" | AL | BEST |
| 2 | EXIT DEVICE - heavy duty panic bar, local alarm | 2101-ALKx630xS300x3' EO | 630 | PRECISION |
| 2 | CYLINDER | 1E74-C4 x PR3 | 626 | BEST |
| 2 | SIGN ON PUSH BAR | EMERGENCY EXIT ONLY | | PRECISION |
| 1 | KEYED REMOVABLE MULLION | KR822 x 7' x 600 | 689 | PRECISION |
| 1 | CYLINDER | 1E74-C4 x PR3 | 626 | BEST |
| 2 | HEAVY DUTY CLOSER | QDC115 | 689 | DORMAKABA |
| 2 | KICK PLATE | K1050 | 32D | ROCK |

| | | | | |
|---|---|---|---|---|
| | | 10"x35"X0.05" | | |
| 2 | DOOR BOTTOM | 600Ax36" x SL1A | AL | NGP |
| 1 | THRESHOLD | 8426 x 72" SIA | AL | NGP |
| 2 | PERIMETER WEATHER STRIP | A626A 36"x84" | AL | NGP |
| 1 | BRUSH ASTRAGALS | 600A (PULL SIDE) | AL | NGP |
| 2 | DOOR STOPS | 485 | 26D | ROCK |

C. **HW GROUP 2 - EXTERIOR ENTRANCE DOOR AT LOBBY**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 2 | CONTINUOUS HINGE | 661HD x 83" | AL | BEST |
| 2 | EXIT DEVICE | 2108CD x V4908A x 630 x S300 x 3’ | 626 | PRECISION |
| 2 | CYLINDER | 12E72-S2 x PR | 626 | BEST |
| 1 | KEYED REMOVABLE MULLION | KR822 x 7' x 600 | 689 | PRECISION |
| 1 | CYLINDER | 1E74-C4 x PR3 | 626 | BEST |
| 2 | HEAVY DUTY CLOSER | QDC115 M | 689 | DORMAKABA |
| 2 | KICK PLATE | K1050 10"X35" X 0.050" | 32D | ROCK |
| 2 | DOOR BOTTOM | 600A x 36" | AL | NGP |
| 1 | THRESHOLD | 8426 x 72" SIA | AL | NGP |
| 2 | PERIMETER WEATHER STRIP | A626A x 36" | AL | NGP |
| 1 | BRUSH ASTRAGALS | 600A (PULLSIDE) | AL | NGP |
| 2 | DOOR STOPS | 485 | 26D | ROCK |

D. **HW GROUP 3 (OVERHEAD DOOR)**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 1 | MORTISE BOLT | FLOOR MOUNTED | 626 | |
| 2 | JAMB PROTECTOR | 48" TRAK-SHIELD DOOR GUARD | SAFETY YELLOW | OMEGA |
| 1 | LOCKING COVER | DOOR OPERATOR COVER | | |
| 1 | MORTISE CYLINDER | 1E74-C4 x PR3 | 626 | BEST |
| 1 | THRESHOLD | BY DOOR MANUFACTURER | | |
| | SEALS | BY DOOR MANUFACTURER | | |

E. **HW GROUP 4 - OFFICE FROM RENTAL**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 3 | HINGE | 5BB1HW 5X4.5 NRP | 652 | IVES |
| 1 | LOCKSET OFFICE | 45H-7AB-15H-PATD | 626 | STANLEY |
| 1 | KICKPLATE | K1050 10"x34"x0.050" | 32D | ROCK |
| 3 | SILENCER | 608 | | ROCK |
| 1 | WALL STOP | 406 | 32D | ROCK |

F. **HW GROUP 5 - OFFICE & RENTAL FROM ICE RINK**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 3 | HINGE | 5BB1HW 5X4.5 NRP | 652 | IVES |
| 1 | LOCKSET OFFICE | 45H-7AB-15H-PATD | 626 | BEST |
| 1 | KICKPLATE | K1050 10"x34"x0.050" | 626 | VON DUPRIN |
| 1 | DOOR BOTTOM | 600A x 36" | AL | NGP |
| 1 | THRESHOLD | 8425 x 36" SIA | AL | NGP |
| 1 | PERIMETER WEATHER STRIP | 160SA 36" x 84" | AL | NGP |
| 1 | WALL STOP | 406 | 32D | ROCK |

G. **HW GROUP 6 - MECHANICAL / STORAGE**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 6 | HINGE | 5BB1HW 5X4.5 NRP | 652 | IVES |
| 1 | LEVERSET W/ CYLINDER ABOVE | 45H-7D-15H-PATD | 626 | BEST |
| 1 | AUTOMATIC FLUSH BOLTS | 2845 | 32D | ROCKWOOD |
| 1 | LEVERSET (DUMMY DOOR) | MATCH ACTIVE LEAF | 626 | BEST |
| 1 | MORTISE CYLINDER | 1E74-C4 x PR3 | 626 | SCHLAGE |
| 2 | CLOSER | QDC115 x AL x M | 689 | DORMAKABA |
| 2 | MAG HOLD OPEN | ABH 2300 | US28 | ABH |
| 2 | KICK PLATE | K1050 10" x 35" x 0.050" | 32D | IVES |
| 1 | THRESHOLD | 426E x 72" | AL | NGP |
| 2 | DOOR BOTTOM | 600ax36" | AL | NGP |
| 1 | PERIMETER WEATHER STRIP | 160SA 72" x 84" | AL | NGP |

H. **HW GROUP 7 - JANITOR**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 3 | HINGE | 5BB1HW 5X4.5 NRP | 652 | IVES |
| 1 | LOCKSET STOREROOM | 9K3-7D-15D-S3-626-PATD | 626 | BEST |
| 1 | KICK PLATE | K1050 10" x 34" X 0.050" | 32D | IVES |
| 3 | SILENCER | 608 | | ROCK |
| 1 | WALL MOUNTED HOLD | 494 | 26D | ROCK |

I. **HW GROUP 8 - DOOR AT LOBBY**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 2 | CONTINUOUS HINGE | 661HD x 83" | AL | BEST |
| 2 | EXIT DEVICE | 2108CD x V4908A x 630 x S300 x 3’ | 626 | VON DUPRIN |
| 2 | CLOSER | QDC115 x AL x M | 689 | DORMAKABA |
| 4 | KICK PLATE | K1050 10" x 34" x 0.050" | 32D | NGP |
| 2 | DOOR BOTTOM | 600A x 36" | AL | NGP |
| 1 | THRESHOLD | 8425 MS/LA | | NGP |
| 1 | PERIMETER WEAHTER STRIP | 160SA 72" x 84" | AL | NGP |
| 1 | ATRAGAL | 600A x 84" | AL | NGP |
| 2 | DOOR STOPS | 406 | 32D | ROCK |

J. **HW GROUP 9 - DOOR AT CHANGING ROOMS**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 3 | HINGE | 5BB1HW 5X4.5 NRP | 652 | IVES |
| 1 | LOCKSET PASSAGE | 45H-0N-15H | 626 | BEST |
| 1 | CLOSER | QDC115 x AL x M | 689 | DORMAKABA |
| 1 | KICKPLATE | K1050 10"x34"x0.050" | 626 | VON DUPRIN |
| 1 | DOOR BOTTOM | 600A x 36" | AL | NGP |
| 1 | THRESHOLD | 8425 x 36" SIA | AL | NGP |
| 1 | PERIMETER WEATHER STRIP | 160SA 36" x 84" | AL | NGP |
| 1 | WALL STOP | 406 | 32D | ROCK |

K. **HW GROUP 10 - DOOR AT RESTROOMS**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 3 | HINGE | 5BB1HW 5X4.5 NRP | 652 | IVES |
| 1 | PULL PLATE | 110/70C | 32D | ROCK |
| 1 | PUSH PLATE | 70C | 32D | ROCK |

| | | | | |
|---|---|---|---|---|
| 1 | CLOSER | QDC115 x AL x M | 689 | DORMAKABA |
| 1 | KICKPLATE | K1050 10"x34"x0.050" | 626 | VON DUPRIN |
| 1 | DOOR BOTTOM | 600A x 36" | AL | NGP |
| 1 | THRESHOLD | 8425 x 36" SIA | AL | NGP |
| 1 | PERIMETER WEATHER STRIP | 160SA 36" x 84" | AL | NGP |
| 1 | WALL STOP | 406 | 32D | ROCK |

L. **HW GROUP 11 - ELECTRICAL ROOM - NEW LEVERSET**

| QUANTITY | DESCRIPTION | DETAILS | FINISH | MANUFACTURER |
|---|---|---|---|---|
| 1 | LOCKSET (CYLINDRICAL-STOREROOM) | 9K3-7D-15D-S3-626-PATD | 626 | BEST |

**END OF SECTION**

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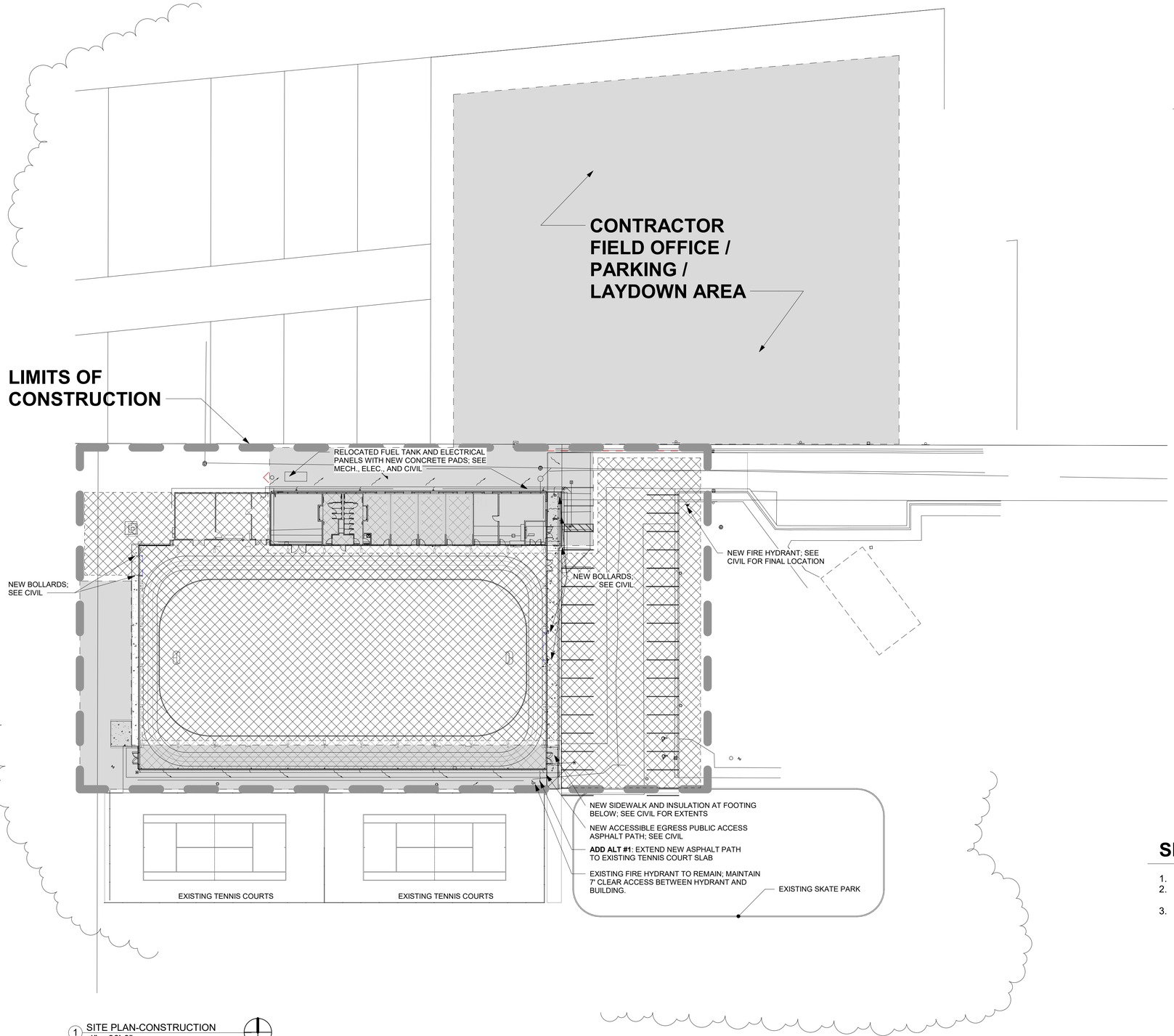



1 SITE PLAN-CONSTRUCTION
1" = 30'-0"

## SITE PLAN LEGEND

OWNER / PUBLIC USE OF THIS AREA OCTOBER 1, 2022 TO MARCH 26, 2023

CONTRACTOR HAS CONTROL OF THIS AREA FOR THE DURATION OF THE PROJECT

LIMITS OF CONSTRUCTION

2

## SITE PLAN GENERAL NOTES

1. SEE CIVIL DRAWINGS FOR ADDITONAL INFORMATION / DEMOLITION
2. MAINTAIN FIRE ACCESS LANES AT ALL TIMES WHEN WORK IS NOT OCCURING IN THE IMEDIATE AREA.
3. PUBLIC WILL CONTINUE TO USE THE PARK DURING CONSTRUCTION. THE TENNIS COURTS, SKATE PARK, AND THE TRACK AND FIELDS WILL BE USED BY THE PUBLIC DURING CONSTRUCTION.



ECI ARCHITECTURE DESIGN STRATEGY
3909 ARCTIC BOULEVARD, SUITE 103
ANCHORAGE, ALASKA 99503 907.561.5543

PROJECT NO.20-0003.00

**CITY OF KODIAK**
**BARANOF ICE RINK ADDITION**
1222 Chichenoff Street
Kodiak, Alaska 99615

100% CONSTRUCTION DOCUMENTS

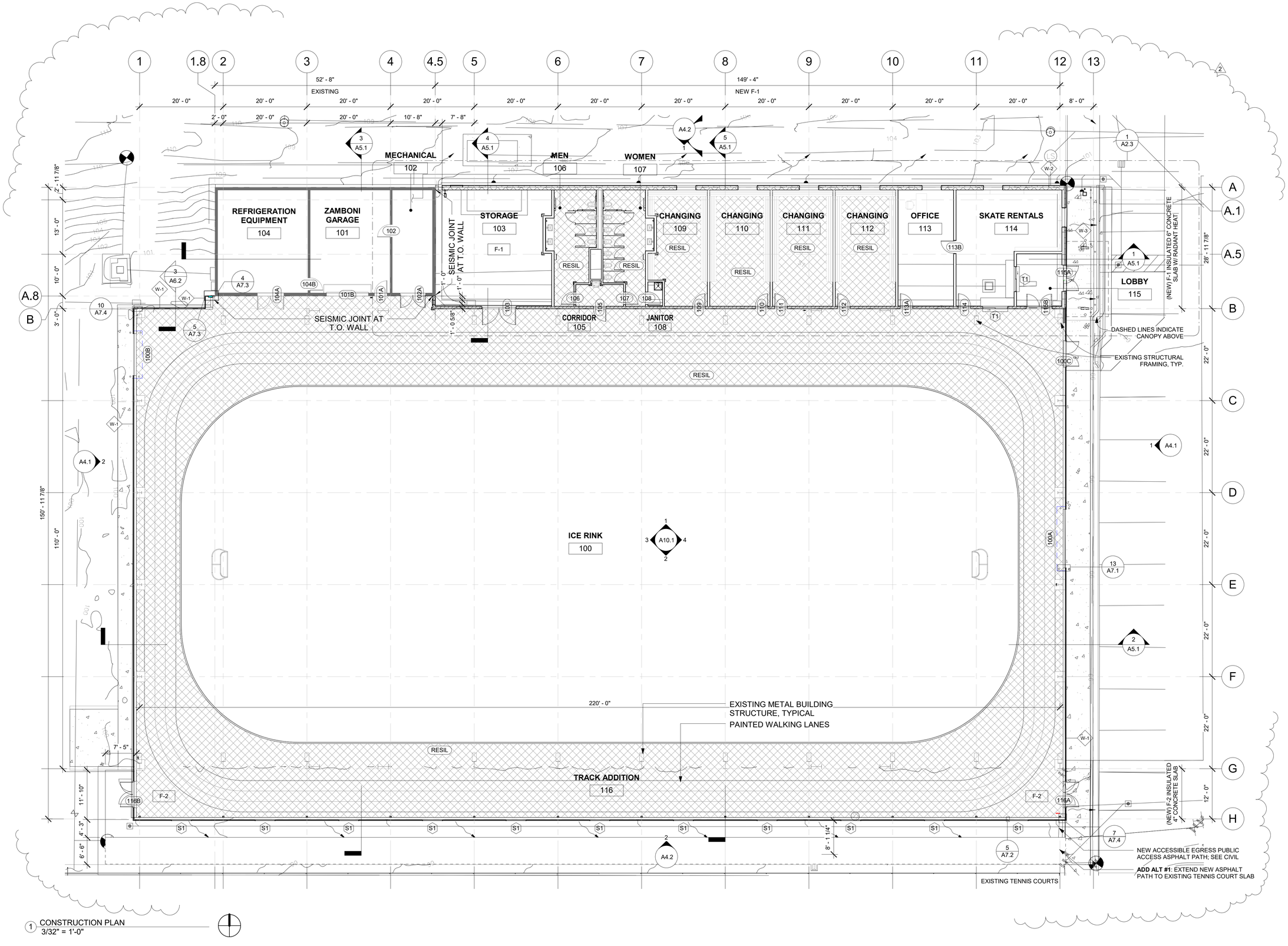
STATE OF ALASKA
49 TH
BRIAN A. MEISSNER
A-10780
REGISTERED PROFESSIONAL ENGINEER

**SITE PLAN**

AUTHOR: SW CHECKED: SC
REVISION: 2 - 3/30/2022 - ADDENDUM 4
ISSUE DATE: 05/14/21
PERMIT #: -

A2.1

FULL SIZE PRINTED ON 22 x 34




1 CONSTRUCTION PLAN
3/32" = 1'-0"



ECI ARCHITECTURE DESIGN STRATEGY
3909 ARCTIC BOULEVARD, SUITE 103
ANCHORAGE, ALASKA 99503 907.561.5543
PROJECT NO.20-0003.00

**CITY OF KODIAK**
**BARANOF ICE RINK ADDITION**
1222 Chichenoff Street
Kodiak, Alaska 99615

100% CONSTRUCTION DOCUMENTS

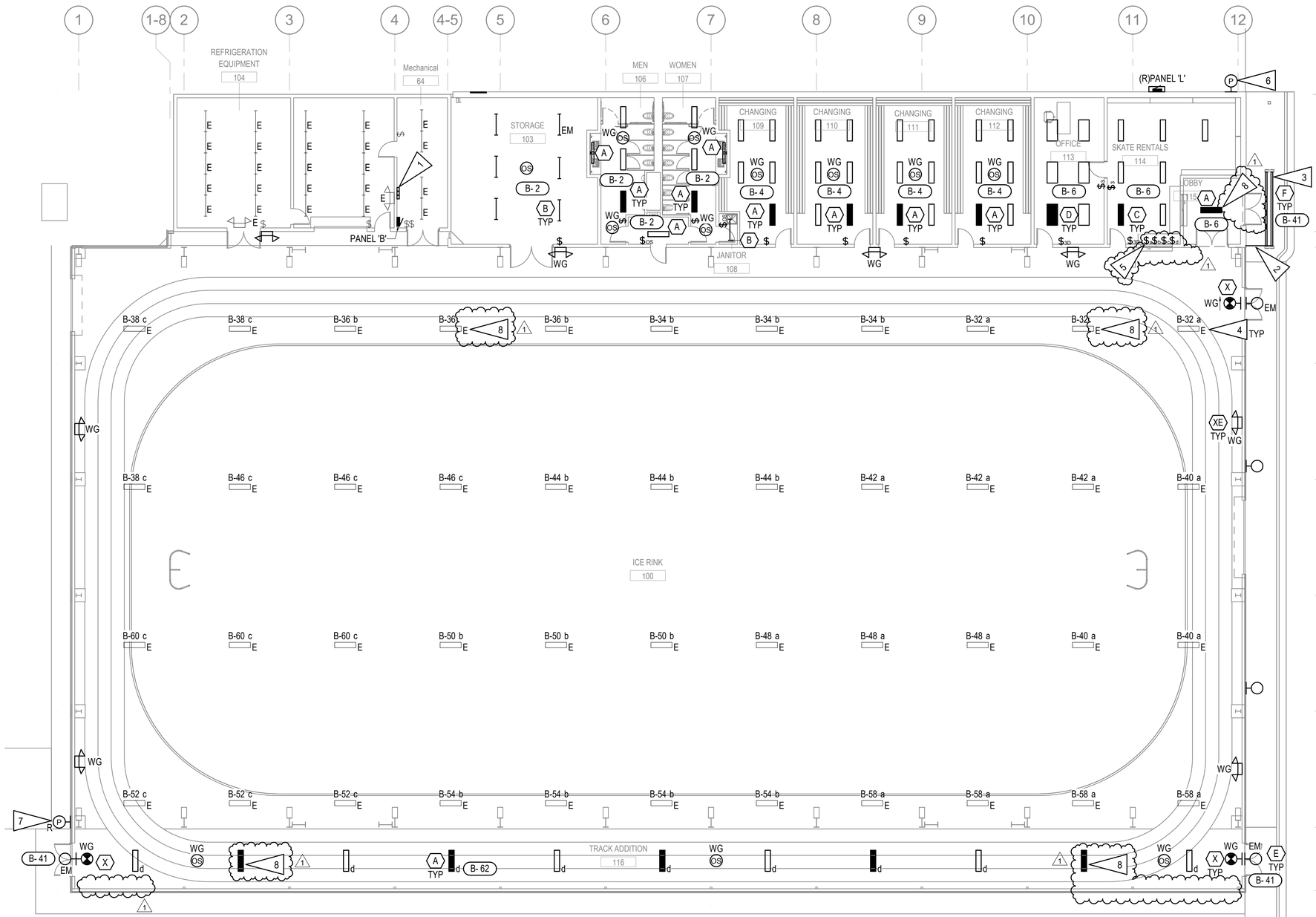
STATE OF ALASKA 49 TH
BRIAN A. MEISSNER
A-10750
REGISTERED PROFESSIONAL ENGINEER

**CONSTRUCTION PLAN**

AUTHOR: SW CHECKED: SC
REVISION: 2 - 3/30/2022 - ADDENDUM 4
ISSUE DATE: 05/14/21
PERMIT #: -

A2.2

FULL SIZE PRINTED ON 22 x 34




1 LIGHTING REMODEL PLAN

3/32" = 1'-0"

## GENERAL NOTES:

A. PROVIDE JUNCTION BOXES, CONDUIT, AND WIRE AS REQUIRED TO EXTEND LIGHTING TO NEW EXIT SIGNS/EMERGENCY LIGHTS.

B. ALL NEW LIGHTING TO BE FED FROM NEW PANEL 'B' LOCATED IN MECHANICAL ROOM 64.

C. PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT AND EMERGENCY FIXTURES FROM LOCAL LIGHTING CIRCUIT.

D. NEW ELECTRICAL SYSTEMS SHALL BE INSTALLED CONCEALED WITHIN CONSTRUCTION WITH FLUSH MOUNTED DEVICES IN ALL FINISHED AREAS. WITHIN ICE RINK 100, TRACK ADDITION 116, AND EXTERIOR AREAS WHERE A CONCEALED INSTALLATION IS NOT FEASIBLE, EXPOSED CONDUIT SHALL BE RIGID STEEL OR INTERMEDIATE METAL CONDUIT WITH MALLEABLE IRON OR MILD STEEL BOXES. EMT CONDUIT AND SHEET METAL BOXES MAY ONLY BE USED IN THESE AREAS WHERE INSTALLED A MINIMUM OF 20 FEET ABOVE FINISHED FLOOR/GRADE.

## SHEET NOTES:

1. LIGHTING CONTACTORS 'LC-1', 'LC-2', AND 'LC-3' TO CONTROL ICE RINK LIGHTING WEST, CENTRAL, AND EAST ACCORDINGLY. SEE 3,4,&5/E6.1.
2. ROUTE CONDUIT ALONG STRUCTURAL BEAM TO CONCEAL AS MUCH AS POSSIBLE.
3. WALL MOUNT FIXTURE ALONG CANOPY BEAM, COORDINATE WITH ARCHITECTURAL.
4. EXTEND AND CONNEXT EXISTING LIGHTING TO NEW PANEL 'B'. 1
5. SWITCHES FOR MAIN RINK LIGHTING TO BE ROUTED THROUGH LIGHTING CONTACTORS LOCATED IN MECHANICAL ROOM 64. REFERENCE NOTE 1 ON THIS SHEET.
6. PROVIDE NORTH ORIENTED PHOTOCELL IN NEMA 4 BOX. CONNECT TO OPERATE ALL BUILDING MOUNTED EXTERIOR LIGHTING.
7. RELOCATE PHOTOCELL AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. PROVIDE EXTENSION OF EXISTING CIRCUIT AS REQUIRED.
8. CONNECT FIXTURES NOTED SUCH THAT THEY ARE ALWAYS ON FOR NIGHT LIGHTING PURPOSES. 1



RSA ENGINEERING INC.
670 W FIREWEED LANE, SUITE 200,
ANCHORAGE, AK-99503
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PROJECT NO.M0055

**CITY OF KODIAK**
**BARANOF ICE RINK ADDITION**
1222 Chichenoff Street
Kodiak, Alaska 99615

100% CONSTRUCTION DOCUMENTS

STATE OF ALASKA
4 QTR
DAVIN K. BLUBAUGH
EE-13893
4/12/22
REGISTERED PROFESSIONAL ENGINEER

**LIGHTING OVERALL REMODEL PLAN**

AUTHOR: KB CHECKED: DB.XPT
REVISION: 1 4/12/22
ISSUE DATE: 05/14/21
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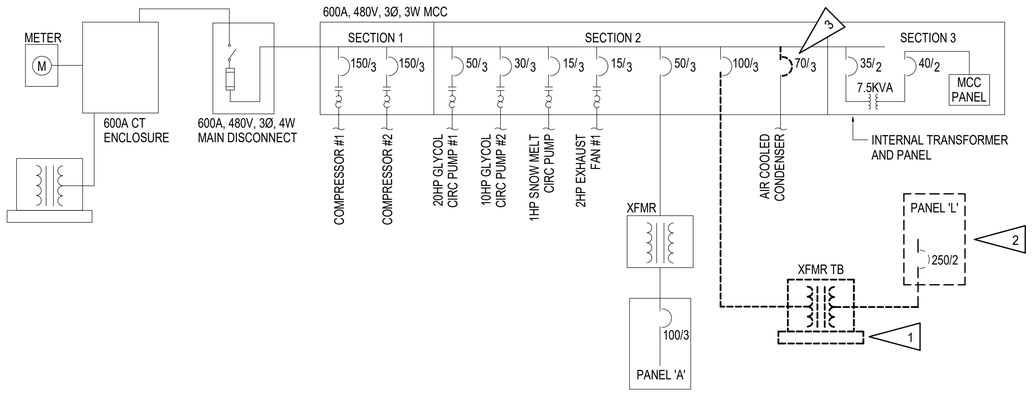
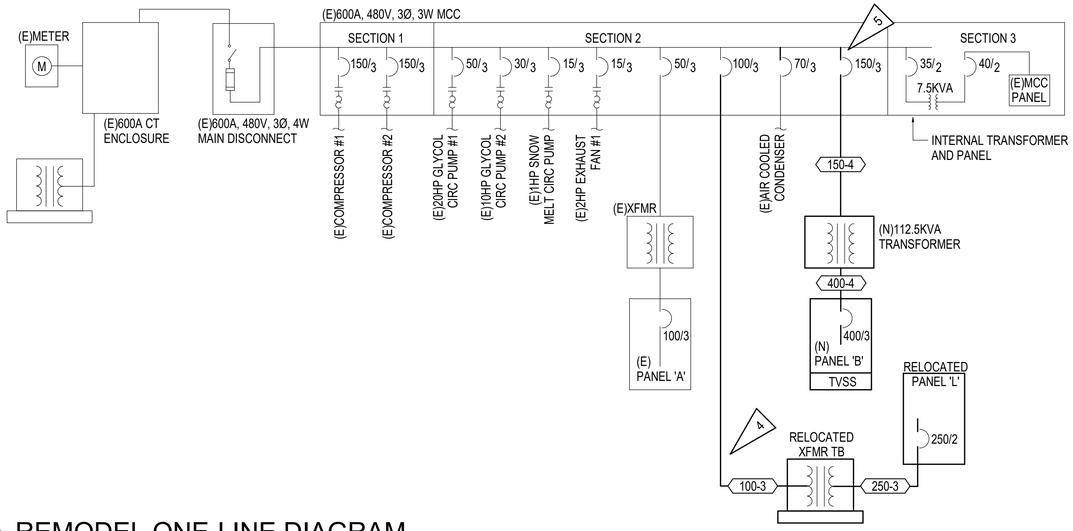
E2.1

FULL SIZE PRINTED ON 22 x 34




## 1 DEMOLITION ONE-LINE DIAGRAM

| FEEDER SCHEDULE | |
|---|---|
| TAG | COPPER FEEDERS |
| 100-3 | 1.25"C, 3#3 AWG, 1#8 AWG GND, CU, XHHW |
| 150-4 | 2"C, 4#1/0 AWG, 1#6 AWG GND, CU, XHHW |
| 250-3 | 2.5"C, 3#250 KCMIL, 1#4 AWG GND, CU, XHHW |
| 400-4 | (2) 2"C, 4#3/0 AWG, 1#3 AWG GND, CU, XHHW |




## 2 REMODEL ONE-LINE DIAGRAM

### GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

### SHEET NOTES:

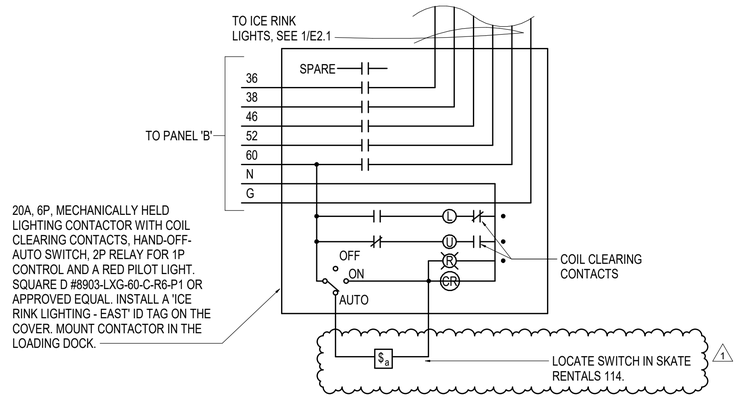
1. DISCONNECT TRANSFORMER AND SECONDARY FEEDERS AND SALVAGE FOR RELOCATION. DEMOLISH PRIMARY FEEDER CONDUCTORS BACK TO SOURCE. SALVAGE PRIMARY FEEDER CONDUIT FOR REUSE.

2. DISCONNECT PANEL 'L' FEEDER AND ALL BRANCH CIRCUIT CONDUIT AND WIRE SCHEDULED TO REMAIN AN SALVAGE FOR RELOCATION. REFERENCE 1/E1.1 AND 1/E7.1.

3. DEMOLISH 70A BREAKER BUCKET NOTED TO ACCOMMODATE NEW DUAL BREAKER BUCKET.

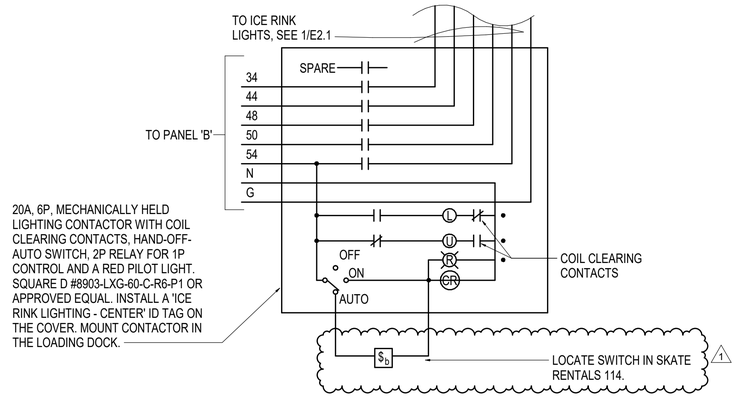
4. EXTEND EXISTING CONDUIT TO (R) TRANSFORMER. PROVIDE NEW CONDUCTORS AS SHOWN.

5. PROVIDE NEW DUAL BREAKER BUCKET LISTED FOR USE WITHIN (E) MCC WITH 70A AND 150A 3-POLE BREAKERS. (E) MCC IS CUTLER-HAMMER FREEDOM SERIES 2100 MCC. NEW BUCKET SHALL BE EATON #FZF2NN12 OR EQUAL. RECONNECT (E) AIR COOLED CONDENSER CONDUCTORS TO NEW 70A BREAKER AS SHOWN.



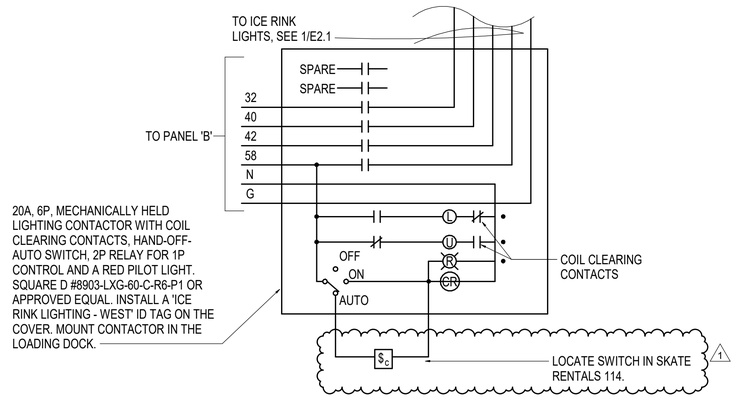

## 3 LIGHTING CONTACTOR 'LC-1'

NOT TO SCALE




## 4 LIGHTING CONTACTOR 'LC-2'

NOT TO SCALE




## 5 LIGHTING CONTACTOR 'LC-3'

NOT TO SCALE



RSA ENGINEERING INC.
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100% CONSTRUCTION DOCUMENTS

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4/12/22
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**ELECTRICAL ONE-LINE DIAGRAMS**

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