OREGON PARKS & RECREATION DEPARTMENT
5330 Seaman Road
Oregon, Ohio 43616
(419) 698-7145
FAX (419) 698-7086

March 15, 2023

ADDENDUM No. 1

Recreation Buildings - 2023

BIDS TO BE OPENED: Tuesday, March 21, 2023 at 10:00 AM

Plan holders of the Recreation Buildings - 2023 Project are hereby notified of the following amendments to the Contract Documents. The following additions, alterations, deletions and/or clarifications shall be part of the bid specifications as much as if they were originally included in the Contract Documents. This Addendum No. 1 is hereby made a part of the Contract Documents and must be receipted for on the proposal form.

NOTE: Addenda are emailed only to official plan holders who obtained plans and specifications from the Newfax Corporation, Inc., who is responsible for distribution of said plans and specifications. Each Prime Contractor is responsible for notifying subcontractors of any addenda issued.

Pre-Bid Meeting

- The following companies were represented at the voluntary pre-bid held on March 7, 2023; see also attached sign in sheet.
  - Midwest Contracting Inc.
  - Dimech
  - Positive Trades Group
  - Sperling Heating & Ventilation
  - Miller Diversified
  - Telamon Construction
  - Comte Construction Co.
  - A.A. Boos & Sons

CONTRACT CHANGES

1) **Specification 09 21 16 Gypsum Board Assemblies**

   - Change section 2.8 Access Hatch Accessories, A.1. to read “24”x24” for walls, 24”x36” for ceilings, 1 latch, concealed hinge, 20 gauge galv. formed door panel, 26 gauge galv. frame, paintable.”

2) **Specification 10 28 13 Toilet Accessories**
   - Under 2.9.A. Saniflow SpeedFlow Plus is an approved manufacturer as long as they abide by all specifications and project requirements.
   - Under 2.8.A Saniflow Babymedi baby changing station is an approved manufacturer as long as they abide by all specifications and project requirements.

ADDENDUM No. 1

Recreation Buildings - 2023

ANSWERS TO SUBMITTED QUESTIONS

1) ***Bidder Question:*** *Please confirm if the entire Volume 1 book needs to be submitted with the bid or just the Bid Forms section?*

   Architect/Engineer Response: The entirety of **PROJECT MANUAL – VOLUME 1 – BID AND CONTRACT DOCUMENTS** is to be submitted with the bid. If there are any addendum pages related to this book they should be inserted or stapled to the replaced pages.

2) ***Bidder Question:*** *It appears that all of the electrical panels are flush mount in block walls with hard ceilings above. I have a few concerns about this.*
   - *This eliminates access for "future" customer needs.*
   - *The block walls will be full of conduits instead of insulation/grout which would cause condensation issues in the panels.*
   - *The panels are very close to windows and doors. This will cause conflict with masonry supports and rebar inside of the walls.*
   - *The top plate and sills would be almost nonexistent due to the conduits leaving the panels.*
   - *Is there any chance the customer may change their mind on recessed breaker panels? Maybe build a wooden chase around the conduits to hide them at the panel location?*

   Architect/Engineer Response: (2) electrical panels have been revised to be surface mounted (Pressbox and Concession Main panel). Electrical panel in the kitchen (panel K) shall be recessed in drywall & insultation added for condensation protection. See attached revised drawings A1.1, E2.1, & E2.2.

3) ***Bidder Question:*** *Sheet E2.1 It looks like there will be a clearance issue between the Kitchen panel and the Patch panel. Please advise.*

   Architect/Engineer Response: Locations of panels have been adjusted. Refer to sheet E2.1

4) ***Bidder Question:*** *If no conduit is allowed to be exposed. Are you planning on the 4" for data to be inside the block wall? If are you planning a big j box installed in the wall so that the fiber could enter the back of the patch panel? We would then encounter some of the same issues as stated in 1b and 1c above.*

   Architect/Engineer Response: Title sheet, note #17 revised. Exposed conduit is acceptable where required at panels and incoming communication stubs. Refer to electrical specifications for exposed conduit requirements.

5) ***Bidder Question:*** *If no conduit is allowed to be exposed. Are you planning on the 4" for data to be inside the block wall? If are you planning a big j box installed in the wall so that the fiber could enter the back of the patch panel? We would then encounter some of the same issues as stated in 1b and 1c above.*

   Architect/Engineer Response: We understand some items may need to be exposed, but minimized.

6) ***Bidder Question:*** *The press box does not show a patch panel. Where should the data conduits stub to?*

   Architect/Engineer Response: Data shall homerun to same vicinity as incoming 4" stub for future communications. Refer to sheet E2.2.

7) ***Bidder Question:*** *E2.2 the EWC breaker in the panel schedule does not show GFI.*

   Architect/Engineer Response: Revised in panel schedule, sheet E2.2 indicates GFI breaker.

8) ***Bidder Question:*** *E2.2 Keyed note B. will this be known before rough in? If after rough in there may need to be access provided in the bench to keep code compliance.*

   Architect/Engineer Response: Unknown at this time.

9) ***Bidder Question:*** *E2.2 and E1.1 show the use of 2x2 and 2x4 recessed lights. Even with drywall flanges these will not work with the joists at 16" or 24" OC. Are the joists supposed to be moved to accommodate the fixtures?*

   Architect/Engineer Response: Fixture schedule revised to have lights surface mounted. Refer to sheet E1.1

10) ***Bidder Question:*** *If the fixtures are to be changed to surface mount. This will ultimately add a lot of access holes for all the trades. Is there a specific access cover that is required?*

    Architect/Engineer Response: The lights will be surface mounted. Access will be in the attic. Provide attic access doors as shown on the attached revised drawings A7.1 and A7.2. The access door can be found in specification section 09 21 16. Note the section was changed in this addendum, see note above.

11) ***Bidder Question:*** *Please confirm that all irrigation lines, heads, etc. are excluded from project scope. Irrigation sleeves only, as shown, are to be provided.*

    Architect/Engineer Response: The contractor shall only be responsible for installing 3" irrigation sleeves under pavement areas as shown on sheet C-8. No additional work related to irrigation is included as part of this project. Under a separate agreement, the City will have an irrigation contractor install any required conduit, heads, etc. for irrigation.

12) ***Bidder Question:*** *Regarding the stairs to the Pressbox: Drawing S2.2 shows a 12x3x5/16 stringer. This is not a size that shows up within the steel books. Is there an alternate or more common size that should be provided?*

    Architect/Engineer Response: This is a common size and should be obtainable, however, 12x3x1/4'' is also acceptable or C channel 12x20.7.

13) ***Bidder Question:*** *Regarding the stairs to the Pressbox: Drawing S2.2 calls for Welded Bar Grating as the walking surface, A5.3 calls for traction treads. Please confirm which is correct.*

Architect/Engineer Response: Welded bar grating is correct. Drawing A5.3 was corrected to match S2.2.

14) ***Bidder Question:*** *Please provide additional details on the cable railing?*

Architect/Engineer Response: New cable railing specification was added. Railing details can be found on sheer A5.3.

15) ***Bidder Question:*** *Please confirm 1 layer of R30 batt insulation installed between the trusses is the design intent for the attic insulation. Details on A5.1 show R-30, Details on A6.1 show R-19, neither calls for a double layer to be run perpendicular to one another.*

Architect/Engineer Response: Provide 1 layer of R19 batt insulation between roof trusses w/ another 1 layer of R21 unfaced batt insulation run perpendicular to the trusses for a total R value of 30. See revised drawing A6.1.

16) ***Bidder Question:*** *Are the two louvers on the gable ends of the concession / restroom building functional or decorative? Is there a spec available for these or a basis of design?*

Architect/Engineer Response: Gable louvers to be decorative; see drawing M1.1.

17) ***Bidder Question:*** *At the countertops on the concession building, are countertops to be granite or quartz or both? Specs only list granite but the window sill detail calls quartz.*

Architect/Engineer Response: Specifications are correct; see attached revised drawing A2.1

18) ***Bidder Question:*** *The 12"W vented soffit panels are shown to be running parallel to the roof trusses that we should be attaching to. Some sort of blocking or sheathing will be required to run perpendicular to the trusses to catch both ends of these soffit panels. Will this be a means and methods determination by the contractor or is there a specific detail that should be followed?*

Architect/Engineer Response: Where soffit panels are to be installed parallel with roof trusses provide blocking as required. coordinate with manufacturer installation requirements.

19) ***Bidder Question:*** *I was told we have to become an official plan holder in order to bid the Oregon Recreation Buildings. How do I go about this?*

Architect/Engineer Response: Per the Notice to Bidders: All bids must be made on the proposal forms, which with the contract documents, including Specifications and Bid Forms must be obtained from Newfax Corporation, Inc., 333 West Woodruff Avenue, Toledo, OH 43604, P (419) 241-5157, M-F 8:30 am to 4:30 pm. Contact Newfax Corporation for cost of documents. Deposits are non-refundable.

Please also be aware that Bid blanks shall not be removed from the PROJECT MANUAL – VOLUME 1 – BID AND CONTRACT DOCUMENTS Book and the entire PROJECT MANUAL – VOLUME 1 – BID AND CONTRACT DOCUMENTS Book is to be turned in at the time of the bid.

ATTACHMENTS:

- New Specification Section 05 73 01 Cable Railing
- Revised Drawing A1.1
- Revised Drawing A2.1
- Revised Drawing A5.3
- Revised Drawing A6.1
- Revised Drawing A7.1
- Revised Drawing A7.2
- Revised Drawing E1.1
- Revised Drawing E2.1
- Revised Drawing E2.2

*** * * END OF ADDENDUM NO. 1 * * ***

City of Oregon

Recreational Complex Buildings

Pre-Bid Meeting - Attendance Sheet

Those in attendance for the Pre-Bid Meeting held at the City of Oregon on Tuesday, March 7, 2023 at 10:00 AM were as follows:

Name	Representing	Phone No.	Email
Vince Szabo	City of Oregon	419-698-7161	vszabo@oregonohio.org
Rodney Shultz	City of Oregon	419-698-7015	rshultz@oregonohio.org
Tim Barton	City of Oregon	419-698-7198	tbarton@oregonohio.org
Joseph Snyder	Buehrer Group	419-893-9021	Joe@BuehrerGroup.com
Alex Schrinel	Buehrer Group	419-893-9021	alex.schrinel@buehrergroup.com
Rich Southard	D-mech	419-727-0111	RSouthard@D-mech.com
Jarek Griffiths	Midwest	419-866-4560	jarek.griffiths@midwest-contracting.com
Ethan Myers	Positive Trades Group	419-250-9963	ethan.myers@positivetradesgroup.com
Derek Deal	Sperling Heating & Ventilating	419-270-9169	derek.deal@thesperlingcompany.com
Nate Pearson	Millar Diversified	419-343-5644	npearson@millardiversified.com
Reese Brossia	Telamon Construction	567-201-0543	rbrossia@telamonconstruction.com
Bob Cooke	Cooke Const. Co.	419-241-9254	CraigCooke@att.net
Tim Brown	AA Boos and Sons	419-271-2159	timbrown@aaboos.com
Mike Rowe (Virtual)			

March 7, 2023

Pre-Bid Meeting
Miscellaneous Projects for
City of Oregon Recreational Department

Sign In Sheet

Name PLEASE PRINT CLEARLY	Company	Email	Phone#
Rich Southward	D:mech	RSouthward@Dimech.com	419-727-0111
Jarek Griffiths	Midwest	jarek.griffiths@Midwest-contracting.com	419-866-4560
Ethan Myers	Positive Trades Group	ethan.myers@positivetradesgroup.com	419-250-9963
Derek Deal	Sperling Heating & Ventillating	derek.deal@thesperlingcompany.com	419-270-8169
Nate Pearson	Miller Diversified	npearson@millerdiversified.com	419-343-5644
Reese Brossia	Telamon Construction	rbrossia@telamonconstruction.com	567-201-0543
Bob Comte	Comte Const. Co.	Craig comte@att.net	419-241-3254

You must sign in to be recorded in the Meeting Minutes

1. PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Aluminum Railing with wire cable infill

B. Stair and ramp guardrails with cable infill

C. Wall mounted and guardrail mounted handrails

1.2 RELATED SECTIONS

A. Section 05 51 00 - Metal Stairs

1.3 REFERENCES

A. ANSI A1264.1 - Safety Requirements for Workplace Floor and Wall Openings, Stairs, and Railing Systems.

B. ASTM A 492 - Standard Specification for Stainless Steel Rope Wire

C. ASTM B 211 - Standard Specification for Aluminum and Aluminum-Alloy Bar, Rod, Wire.

D. ASTM B 247 - Standard Specification for Aluminum and Aluminum Die Forgings, Hand Forgings and rolled Ring Forgings.

E. ASTM E 935 - Standard Test Methods for Permanent Metal Railing Systems and Rails for Buildings.

1.4 DESIGN / PERFORMANCE REQUIREMENTS

A. Comply with requirements of building authorities having jurisdiction in Project location and the following:

1) Handrail Standard: ANSI A1264.1

2) Occupational Safety and Health Administration - 29 CFR 1910.23 - Guarding floor and wall openings.

B. Structural Performance: Engineer, fabricate, and install handrails, guardrails, and railing systems to withstand, when tested per ASTM E 935, loadings required by applicable building and safety codes but not less than the following:

C. Design Loads: Design to the following requirements. Concentrated and uniform loading need not be applied simultaneously.

1) Uniform load: 50 pounds per foot (74.3 kg/m) applied at the top in any direction.

2) Concentrated load: 200 pounds (90.6 kg) applied at the top in any

direction.

1.5 SUBMITTALS

A. Product Data: Manufacturer's data sheets on each product to be used, including:

1) Preparation instructions and recommendations.

2) Details of material and construction.

3) Storage and handling requirements and recommendations.

4) Installation methods and requirements.

B. Shop Drawings: Submit shop drawings for fabrication and installation of ornamental metalwork. Include plans, elevations and detail sections. Indicate materials, methods, finishes and types of joinery, fasteners, anchorages and accessory items.

C. Load Tests: Submit test results from ASTM E 935 conducted on the manufacturer’s supplied system indicating compliance with required structural loading.

D. Selection Samples: For each finish product specified, two complete sets of color charts representing manufacturer's full range of available colors and patterns.

E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

F. Closeout Submittals: Provide manufacturer’s maintenance instructions that include recommendations for periodic cleaning and maintenance of all components.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 3 years documented experience producing systems specified in this section.

B. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

1) Finish areas designated by Architect.

2) Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.

3) Refinish mock-up area as required to produce acceptable work.

4) Accepted mock-ups shall be comparison standard for remaining Work

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened, properly labeled, original packaging

until ready for installation.

B. Store components to avoid damage from moisture, abrasion, and other construction activities.

1.8 SEQUENCING

A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Field Measurements: Take measurements of actual dimensions where necessary for fit without gaps. Indicate measurements on shop drawings.

2. PRODUCTS

2.1 MANUFACTURERS

A. Basis of Design: Superior Aluminum Products, Series 5C Cable Railing. Provide bases of design product, or comparable approved by Architect prior to bid.

1) R & B Wagner, Inc (Wagner Companies) – Ultra-tec Cable Railing - Milwaukee, WI (888-243-6914).

2) Superior Aluminum Products – Series 2000 Cable Railing - Russia, OH (937-526-4065).

3) Livers Bronze – Mirage Railing with Cable – Kansas City, MO (816-300-2828).

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

C. Delegated design option: contractor can custom build the railing system as long as it meets all the aesthetic, material and performance requirements outlined in these specifications.

2.2 RAIL FRAMING COMPONENTS

A. Pipe Cable Railing Series 5C: 1-1/2-inch (3.81 cm) Schedule 40 pipe with 1.9 inch (4.83 cm) outside diameter creates a framework containing openings for cables. Horizontal pipe is connected to post via concealed fasteners. No joints shall be fastened via welding. All posts are single posts manufactured to withstand maximum tension levels.

1) Horizontal Pipe Rail

a) Pipe: 1-1/2-inch (3.81 cm) Schedule 40 pipe with 1.9 inch (4.83 cm)

outside diameter runs between posts and utilizes concealed fasteners.

b) Top rail shall be continuous

2) Guard rail posts:

a) 1 1/2 -inch Schedule 40 pipe (3.81 cm) with 1.9 inch (4.83 cm) outside diameter fully reinforced for tensioning of c cables.

b) 1 ½ - inch Schedule 40 pipe (3.81 cm) with 1.9 inch (4.83 cm) outside diameter with reinforcement rebar inserts for positioning of cables and supporting handrails between tensioning posts.

c) Each post to have pre-drilled holes, spaced 3 inches on center, to accommodate fittings or support the cable.

3) Height

a) 42 inches

4) Base: Size to fit the posts specified.

a) heavy duty surface mounted base.

2.3 CABLES AND CABLE HARDWARE

A. Cables:

1) Material: 1 x 19 Type 316 Stainless Steel strand, left-hand lay, per dimensional properties contained in MIL-DTL-87161

2) Finish: PVC coated

3) Diameter: 3/16 inch (4.8mm) diameter cable with a minimum breaking strength of 4000 pounds

4) Orientation: Horizontal and sloped parallel to match stair pitch.

5) Spacing: 3” on center

B. Cable Hardware Components

1) Material: Stainless Steel, ASTM A276 and A479, SAE/AMS QQ-S-763, Type 316

2) Type: Hardware substantially hidden inside end posts.

2.4 HAND RAIL: Series 5H Mounted Hand Rail

A. Pipe: 1-1/2-inch (3.81 cm) Schedule 40 pipe with 1.9 inch (4.83 cm) outside diameter.

B. Handrails to run continuously throughout the whole length of handrail system.

C. Mount to wall, railing, or other structure by utilizing mounting plates.

D. No components shall be fastened via welding.

E. Handrail to be installed at 36 above ramp or stair surface.

F. Clearance of a minimum 1 1/2'' shall exist between the wall or post surface and handrail

G. Top and bottoms of handrail sections that stop at a landing, the handrail shall extend 12 in horizontally beyond the top riser and 12 in. horizontally beyond the bottom tread.

H. Handrail shall be continuous, without interruption by newel posts or other obstructions.

I. Handrails shall return to a wall, guard or walking surface.

2.5 FINISH

A. Duranodic Architectural hard Coated Anodized Finish, AA-M12-C22-A42.

1) Black

2.6 FABRICATION

A. Tolerances: Verify dimensions on site prior to shop fabrication for proper connection to building structure or substrate.

B. Components or railing sections shall be fabricated to exact measurements specified through Drawings and field dimensions.

C. Railing sections shall be fabricated at the manufacturing facility in largest practical site delivery.

1) Sections that require no site assembling shall have with cable infill installed and tensioned.

2) Sections requiring site assembling shall have cable infill installed loosely and ready for connection to aluminum frame with factory drilled posts, inserts and grommets.

D. Pipe cuts shall be square and accurate for minimum joint-gap. Cuts shall be clean and free of chamfer, from deburring, nicks and burrs.

E. Railings angled horizontally, machine castings to proper angle.

F. Tension all gables in the guard rail system to a minimum of 250 pounds.

G. Fabricate railing system to meet step railing requirements; riser and tread dimensions of the steps. Mount to stair stringer.

H. Posts grouted in concrete to have one nominal 1/4 inch (6.0 mm) nominal diameter weep hole, 1/2 inch (12.0 mm) nominal above post collar, in the plane of the rail.

I. Provide components required for anchorage of framing. Fabricate anchors and related components of material and finish as required, or as specifically noted.

3. EXECUTION

3.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared. Fully review the supporting structure and substrate to verify a structurally sound base for anchoring railing system.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Ensure that adjacent surfaces, structures, and finishes are protected from damage by construction activities of this section.

C. Use wood blocks and padding to prevent damage to railing members and fittings during erection.

D. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Keep perimeter lines straight, plumb, and level.

C. Provide grounds, clips, backing materials, adhesives, brackets, anchors, and accessories necessary for a complete installation.

1) Expansion Bolt Mounting: Anchor through base plates to concrete substrate.

2) Sleeve Mounting:

a) Arrange for casting of sleeves or core drill concrete to provide holes for railing uprights.

b) After setting, fill holes with hydraulic grout; brace members until grout is cured.

3) Connect railing components in accordance with manufacturer’s instructions applicable to the specified system. Tighten all fasteners so

that completed railing is rigid and free of play at joints and component attachments.

4) Do not tension the cables completely until all the cables have been installed between the end posts.

5) Provide intermediate support posts between end posts and tension cables to maintain a 3 inch (7.62 cm) maximum center to center spacing between cables.

3.4 ERECTION TOLERANCES

A. Install railings plumb and level, securely fastened, with vertical members plumb.

1) Maximum variation from plumb: 1/4 inch (6.0 mm).

2) Maximum misalignment from true position: 1/4 inch (6.0 mm).

3) Maximum misalignment between adjacent separated members: 1/8 inch (3.0 mm).

3.5 CLEANING

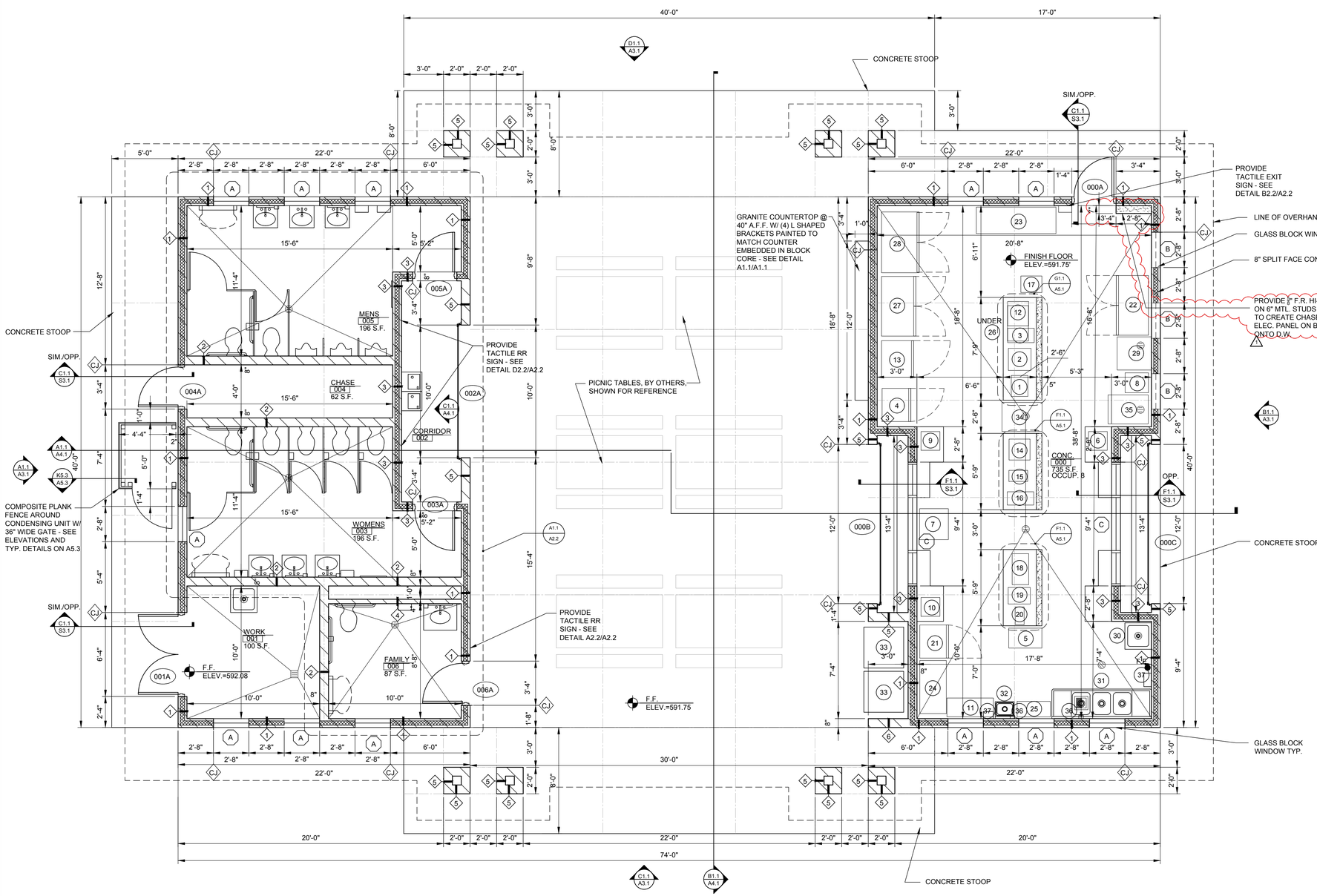
A. Remove dust or other foreign matter from component surfaces; clean finishes in accordance with AAMA 609 and AAMA 610-02.

3.6 PROTECTION

A. Protect installed products until completion of project.

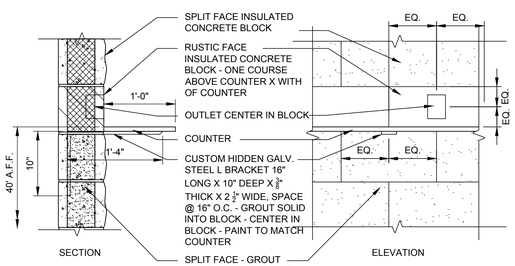
B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



FLOOR PLAN

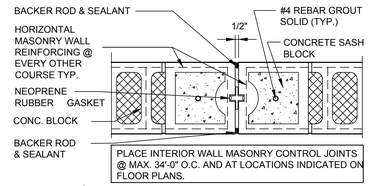
SCALE: 1/4"=1'-0"



COUNTER DETAIL

A1.1 / A1.1

SCALE: 1"=1'-0"



CONTROL JOINT DETAIL

CJ

SCALE: 1 1/2"=1'-0"

WALL TYPE LEGEND

WALL TYPE 1

8" SPLIT FACE CONCRETE BLOCK WALL WITH INSULATED CORE. NOMINAL WALL THICKNESS 8", ACTUAL WALL THICKNESS 7⅝".

SPLIT FACE CONCRETE BLOCK

INSULATE ALL CORES NOT FILLED WITH GROUT

NOTE: PROVIDE RUSTIC FACE BLOCK AT DRINKING FOUNTAIN LOCATIONS, COUNTER LOCATION, WALL LIGHT LOCATIONS ETC. COLOR TO MATCH ADJACENT BLOCKS. SEE DETAILS.

SCALE: 1"= 1'-0"

WALL TYPE 2

8"CONCRETE BLOCK WALL. NOMINAL WALL THICKNESS 8", ACTUAL WALL THICKNESS 7⅝".

CONCRETE BLOCK

SCALE: 1"= 1'-0"

WALL TYPE 3

8" RUSTIC FACE CONCRETE BLOCK WALL WITH INSULATED CORE. NOMINAL WALL THICKNESS 8", ACTUAL WALL THICKNESS 7⅝".

CONCRETE BLOCK

INSULATE ALL CORES NOT FILLED WITH GROUT

SCALE: 1"= 1'-0"

WALL TYPE 4

4"CONCRETE BLOCK WALL. NOMINAL WALL THICKNESS 4", ACTUAL WALL THICKNESS 3⅝".

CONCRETE BLOCK

SCALE: 1"= 1'-0"

WALL TYPE 5

8" SPLIT FACE CONCRETE BLOCK WALL. NOMINAL WALL THICKNESS 8", ACTUAL WALL THICKNESS 7⅝".

SPLIT FACE CONCRETE BLOCK

SCALE: 1"= 1'-0"

WALL TYPE 6

8" SPLIT FACE CONCRETE BLOCK WALL W/ SPLIT FACE ON BOTH SIDES. NOMINAL WALL THICKNESS 8", ACTUAL WALL THICKNESS 7⅝".

SPLIT FACE CONCRETE BLOCK

SCALE: 1"= 1'-0"

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/23
SIGNATURE DATE 02/21/23

MISCELLANEOUS PROJECTS
FOR
CITY OF OREGON
RECREATIONAL DEPARTMENT
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
3141 CONANT ST., MAUMEE, OH 43537 T:419.893.9021 F:419.893.9027 I BUEHRERGROUP.COM

REVISION SCHEDULE

1	03/13/23

ISSUE DATE: 02/26/23

JOB NUMBER: 220992

CONSTRUCTION DOCUMENTS

A1.1

EQUIPMENT LEGEND

ITEM	NAME	MODEL	MANUFACTURER	MECH/PLUM.	ELEC.	PROVIDED BY	INSTALLED BY	QUANTITY	NOTES
1	MICROWAVE OVEN	EM925ACP-P2	BLACK + DECKER	N/A	120V/60/1-PH, 11.25 AMPS	EXISTING	OWNER	1	-
2	GREASELESS FRYER	GF2 / 600000	QNC, INC.	N/A	120V/60/1-PH, 14.5 AMPS	EXISTING	OWNER	1	-
3	HEAT LAMP	B2	MERCO	N/A	120V/60/1-PH, 4.2 AMPS	EXISTING	OWNER	1	-
4	BEVERAGE COOLER	G319 R2	IMBERA	N/A	115V/60/1-PH, 7.0 AMPS	EXISTING	OWNER	1	-
5	ELECTRO FREEZE SLUSH MACHINE	876B-234	H.C. DUKE & SON LLC	N/A	115V/60/1-PH, 15.5 AMPS	EXISTING	OWNER	1	-
6	POS	ER-940	SAM4S	N/A	120V/60/1-PH, .3 AMPS	EXISTING	OWNER	1	-
7	POPCORN MACHINE	2003 / RWU-SN-16783	GOLD MEDAL	N/A	120V/60/1-PH, 12.6 AMPS	EXISTING	OWNER	1	-
8	WIRE RACK	-	-	N/A	-	EXISTING	OWNER	1	-
9	POS	ER-940	SAM4S	N/A	120V/60/1-PH, .3 AMPS	EXISTING	OWNER	1	-
10	POS	ER-940	SAM4S	N/A	120V/60/1-PH, .3 AMPS	EXISTING	OWNER	1	-
11	ICE CREAM FREEZER CHEST	CV-170IAN	MIMET	N/A	115V/60/1-PH, 3,9 AMPS	EXISTING	OWNER	1	-
12	MICROWAVE OVEN	CCM16MC1B	CRITERION	N/A	120V/60/1-PH, 12.92 AMPS	EXISTING	OWNER	1	-
13	FREEZER	WHS-625FWEW1	MIDEA	N/A	115V/60/1-PH, 2.2 AMPS	EXISTING	OWNER	1	-
14	NACHO WARMER	5581	GOLD MEDAL	N/A	120V/60/1-PH, 4.17 AMPS	EXISTING	OWNER	1	-
15	NACHO CHEESE WARMER	RIC-1918	RICOS PRODUCTS CO., INC.	N/A	120V/60/1-PH, 1.67 AMPS	EXISTING	OWNER	1	-
16	CAPPUCCINO MAKER	GB3M	CECILWARE CORP. L.I.C.	N/A	120V/60/1-PH, 15.0 AMPS	EXISTING	OWNER	1	-
17	SLUSHIE MACHINE	100	STOELTING INC.	N/A	115V/60/1-PH, 9.0 AMPS	EXISTING	OWNER	1	-
18	HOT DOG WARMER	8103	GOLD MEDAL	N/A	120V/60/1-PH, 14.9 AMPS	EXISTING	OWNER	1	-
19	NACHO CHEESE MACHINE	5301	GOLD MEDAL	N/A	120V/60/1-PH, 6.3 AMPS	EXISTING	OWNER	1	-
20	COFFEE MAKER	33200	BUNN	N/A	120V/60/1-PH, 13.1 AMPS	EXISTING	OWNER	1	-
21	BEVERAGE COOLER	G319 R2	IMBERA	N/A	115V/60/1-PH, 7.0 AMPS	EXISTING	OWNER	1	-
22	DOUBLE DOOR BEVERAGE COOLER	VRD43	IMBERA	N/A	115V/60/1-PH, 8.7 AMPS	EXISTING	OWNER	1	-
23	WIRE RACK	-	-	N/A	N/A	EXISTING	OWNER	1	-
24	WIRE RACK	-	-	N/A	N/A	EXISTING	OWNER	1	-
25	WIRE RACK	-	-	N/A	N/A	EXISTING	OWNER	1	-
26	SLUSH BAG IN BOX	-	-	N/A	N/A	EXISTING	OWNER	1	-
27	FREEZER	BSF49	BLUE AIR	N/A	115V/60/1-PH, 11.8 AMPS	EXISTING	OWNER	1	-
28	COOLER	7-7045T	McCALL	N/A	115V/60/1-PH, 10.0 AMPS	EXISTING	OWNER	1	-
29	ICE MAKER	SCE275W-1G	SCOTSMAN	N/A	115V/60/1-PH, 8.2 AMPS	EXISTING	OWNER	1	-
30	MOP SINK	-	-	N/A	N/A	CONTRACTOR	CONTRACTOR	1	SEE PLUMBING DRAWING
31	3 COMP. SINK W/ DRAINBOARDS & SPRAYER	-	-	N/A	N/A	CONTRACTOR	CONTRACTOR	1	SEE PLUMBING DRAWING
32	HAND SINK	-	-	N/A	N/A	CONTRACTOR	CONTRACTOR	1	SEE PLUMBING DRAWING
33	VENDING MACHING	-	-	N/A	N/A	EXISTING	OWNER	2	-
34	ICE-CREAM MACH. (FUTURE	8756	TAYLOR	½" CW, ¾" DRAIN	230v-1Φ 25A MOCP	OWNER	OTHERS	1	-
35	ICE-CREAM MACH. (FUTURE)	8756	TAYLOR	½" CW, ¾" DRAIN	230v-1Φ 25A MOCP	OWNER	OTHERS	1	-
36	SOAP DISPENSER	-	-	N/A	N/A	OWNER	CONTRACTOR	2	-
37	PAPER TOWEL DISPENSER	-	-	N/A	N/A	OWNER	CONTRACTOR	2	-

DOOR SCHEDULE

OPENING No.	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR TYPE	LOUVER W	LOUVER H	DOOR MATERIAL/ FINISH	FRAME SIZE W	FRAME SIZE H	FRAME TYPE	FRAME MATERIAL/ FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	OPENING U.L. LABEL	OPENING HAND	HARDWARE SET No.	HARDWARE KEYSIDE RM. No.	WALL THICK-NESS	LINTEL MARK	REMARKS
000A	3'-0"	7'-0"	1 3/4"	A	-	-	INSUL. ALUM.	3'-4"	7'-4"	A	INSUL. ALUM.	H1/A2.1	J1/A2.1	S1/A2.1	-	LHR	1	OUTSIDE	8"	-	-
000B	12'-0"	8'-0"	1 3/4"	B	-	-	PRE-FIN. STEEL	-	-	-	PRE-FIN. STEEL	H2/A2.1	J2/A2.1	-	-	-	2	OUTSIDE	8"	-	COILING DOOR
000C	12'-0"	8'-0"	1 3/4"	B	-	-	PRE-FIN. STEEL	-	-	-	PRE-FIN. STEEL	H2/A2.1	J2/A2.1	-	-	-	2	OUTSIDE	8"	-	COILING DOOR
001A	3'-0"	7'-0"	1 3/4"	A	-	-	INSUL. ALUM.	6'-4"	7'-4"	A	INSUL. ALUM.	H1/A2.1	J1/A2.1	S1/A2.1	-	LHR/ RHR	3	OUTSIDE	8"	-	-
002A	10'-0"	8'-0"	1 3/4"	B	-	-	PRE-FIN. STEEL	-	-	-	PRE-FIN. STEEL	H2/A2.1	J2/A2.1	-	-	-	2	OUTSIDE	8"	-	COILING DOOR
003A	3'-0"	7'-0"	1 3/4"	A	-	-	INSUL. ALUM.	3'-4"	7'-4"	A	INSUL. ALUM.	H1/A2.1	J1/A2.1	S1/A2.1	-	LH	6	OUTSIDE	8"	-	24" x 16" VENT
004A	3'-0"	7'-0"	1 3/4"	A	-	-	INSUL. ALUM.	3'-4"	7'-4"	A	INSUL. ALUM.	H1/A2.1	J1/A2.1	S1/A2.1	-	RHR	4	OUTSIDE	8"	-	-
005A	3'-0"	7'-0"	1 3/4"	A	-	-	INSUL. ALUM.	3'-4"	7'-4"	A	INSUL. ALUM.	H1/A2.1	J1/A2.1	S1/A2.1	-	RH	6	OUTSIDE	8"	-	24" x 16" VENT
006A	3'-0"	7'-0"	1 3/4"	A	-	-	INSUL. ALUM.	3'-4"	7'-4"	A	INSUL. ALUM.	H1/A2.1	J1/A2.1	S1/A2.1	-	LH	5	OUTSIDE	8"	-	24" x 16" VENT

NOT SHOWN ON PLAN SINCE THERE IS ONLY 2 SERVING WINDOWS

ROOM FINISH SCHEDULE

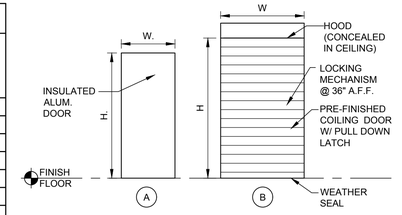
No.	ROOM	FLOOR	BASE	WALL	CEILING	HT.	REMARKS
000	CONCESSIONS	1	1	1	1	9'-4"	MAINTAIN HIGHEST POSSIBLE CEILING
001	WORK	1	2	2	3	9'-4"	MAINTAIN HIGHEST POSSIBLE CEILING
002	CORRIDOR	2	-	4	2	9'-4"	CEILING TO ALIGN W/ BTM. OF COILING DOOR HOUSING
003	WOMENS	1	1	1	1	9'-4"	MAINTAIN HIGHEST POSSIBLE CEILING
004	CHASE	2	3	3	3	9'-4"	-
005	MENS	1	1	1	1	9'-4"	MAINTAIN HIGHEST POSSIBLE CEILING
006	FAMILY RR	1	1	1	1	9'-4"	MAINTAIN HIGHEST POSSIBLE CEILING

FLOOR:
1. POLISHED CONC.
2. BROOM FINISH CONC.

BASE:
1. 6" RUBBER BASE
2. 4" RUBBER BASE
3. NO BASE

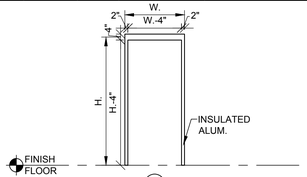
WALLS:
1. BLOCK, EPOXY PAINT
2. BLOCK, PAINT
3. BLOCK
4. SPLIT FACE BLOCK

CEILING:
1. DRYWALL, EPOXY PAINT
2. METAL SOFFIT PANEL
3. PLYWOOD



DOOR TYPES

SCALE: 1/4"=1'-0"

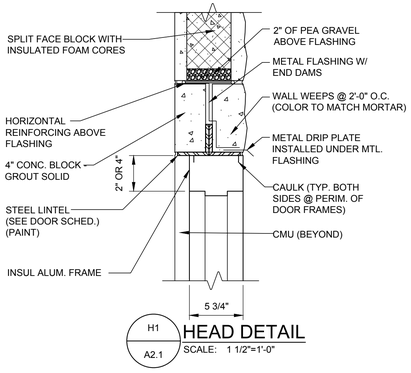


FRAME TYPES

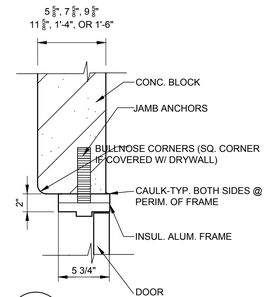
SCALE: 1/4"=1'-0"

DOOR NOTES

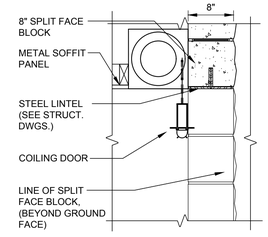
1. PROVIDE TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A 117.1 FOR DOOR 000A. SIGNS SHALL HAVE RAISED SYMBOLS AND BRAILLED CHARACTERS. RAISED LETTERS SHALL BE ONE MONOLITHIC PIECE WITH THE SIGN. LETTERS SHALL BE RAISED 1/32". SIGNS SHALL BE PLACED AT THE LATCH SIDE OF THE DOOR AND SHALL BE MOUNTED @ 60" ABOVE FINISH FLOOR
2. COORDINATE ALL KEYING OF DOOR LOCKS WITH OWNER. VERIFY DOOR HARDWARE SPECIFICATIONS INCLUDING BUT NOT LIMITED TO COLOR, STYLE, ETC. W/ OWNER
3. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM SIDE OF EGRESS AND COMPLY W/ OBC 1010.1.9, ICC A117.1-2009 404.2.6 AND A117.1-2009 404.2.8. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING PARTS ON DOORS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP AND DOES NOT REQUIRED TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR. ALL FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORE FOR PUSHING OR PULLING A DOOR OTHER THAN FIRE DOORS TO BE 5 POUNDS MAX FOR INTERIOR HINGED DOOR, SLIDING OR FOLDING DOORS.
4. FOAM INSULATE ALL VOIDS AROUND DOORS THAT CAN NOT BE INSULATED WITH BATT.
5. INSTALL ALL FLASHING PER THE DOOR AND SIDING MANUFACTURERS RECOMMENDATIONS.
6. PROVIDE JAMB EXTENSIONS FOR ALL DOORS AS REQUIRED. FIELD VERIFY WIDTH OF WALL.
7. ALL EXTERIOR GLASS TO BE 1" INSULATING GLASS, LOW-E, 1/4" TEMPERED TINTED AND 1/4" TEMPERED.
8. ALL INTERIOR GLASS, ALL GLASS IN DOORS AND IN DOOR FRAMES, AND ANY GLASS IN HAZARDOUS LOCATIONS AS DEFINED IN OBC SECTION 2404.01 TO BE 1/4" TEMPERED GLASS AND COMPLY WITH OBC SECTION 2406.1 THROUGH 2406.1.4.
10. FIRE PROTECTION RATED GLAZING SHALL MEET SECTION 715.



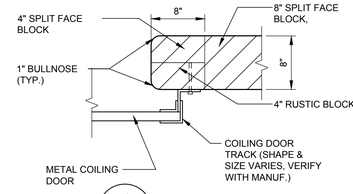
H1 / A2.1 HEAD DETAIL
SCALE: 1 1/2"=1'-0"



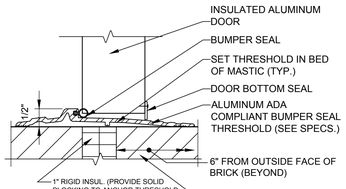
J1 / A2.1 JAMB DETAIL
SCALE: 1 1/2"=1'-0"



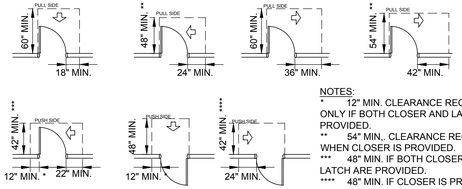
H2 / A2.1 HEAD DETAIL
SCALE: 1"=1'-0"



J2 / A2.1 JAMB DETAIL
SCALE: 1-1/2"=1'-0"

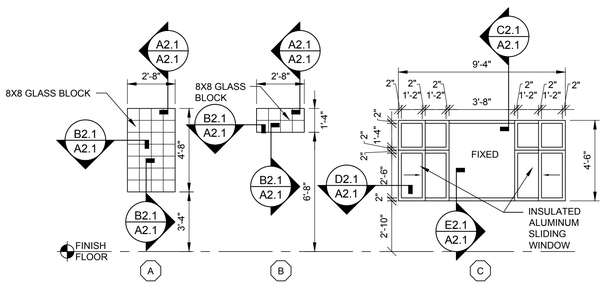


S1 / A2.1 SILL DETAIL
SCALE: N.T.S.



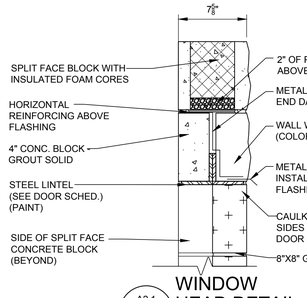
NOTES:
* 12" MIN. CLEARANCE REQUIRED ONLY IF BOTH CLOSER AND LATCH ARE PROVIDED.
** 54" MIN., CLEARANCE REQUIRED WHEN CLOSER IS PROVIDED.
*** 48" MIN. IF BOTH CLOSER AND LATCH ARE PROVIDED.
**** 48" MIN. IF CLOSER IS PROVIDED.

F2.1 / A2.1 TYPICAL DOOR APPROACH DETAILS
SCALE: 1/4"=1'-0"

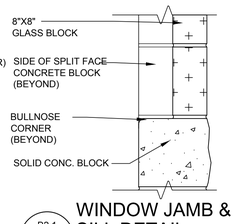


WINDOW TYPES

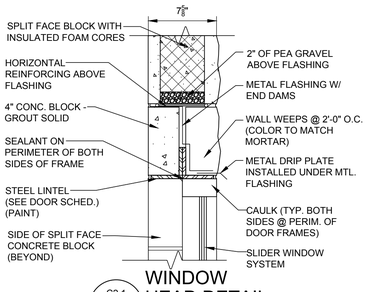
SCALE: 1/4"=1'-0"



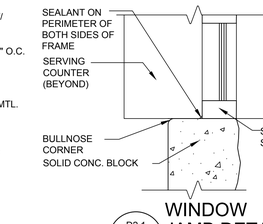
A2.1 / A2.1 WINDOW HEAD DETAIL
SCALE: 1-1/2"=1'-0"



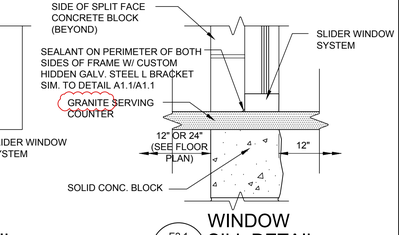
B2.1 / A2.1 WINDOW JAMB & SILL DETAIL
SCALE: 1-1/2"=1'-0"



C2.1 / A2.1 WINDOW HEAD DETAIL
SCALE: 1-1/2"=1'-0"



D2.1 / A2.1 WINDOW JAMB DETAIL
SCALE: 1-1/2"=1'-0"



E2.1 / A2.1 WINDOW SILL DETAIL
SCALE: 1-1/2"=1'-0"

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/23
SIGNATURE DATE 02/21/23

MISCELLANEOUS PROJECTS
FOR
CITY OF OREGON
RECREATIONAL DEPARTMENT
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9027 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

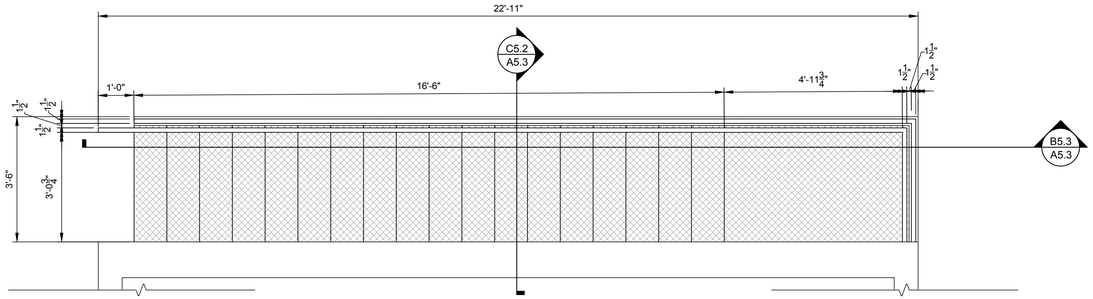
1	03/15/23

ISSUE DATE: 02/26/23

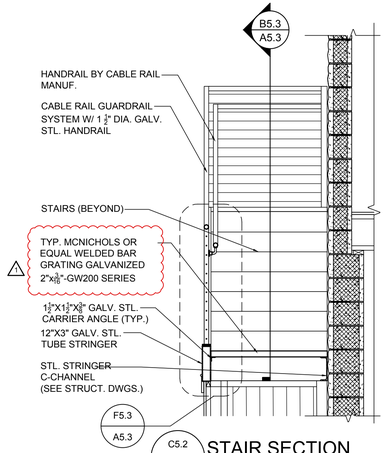
JOB NUMBER: 220992

CONSTRUCTION DOCUMENTS

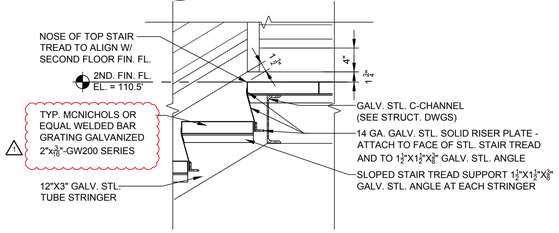
A2.1



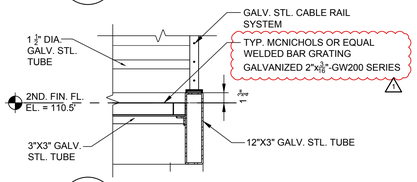
A1.2 / A5.3 **STAIR PLAN**
SCALE: 1/2"=1'-0"



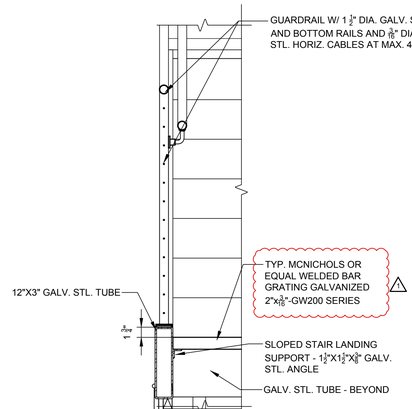
C5.2 / A5.3 **STAIR SECTION**
SCALE: 1/2"=1'-0"



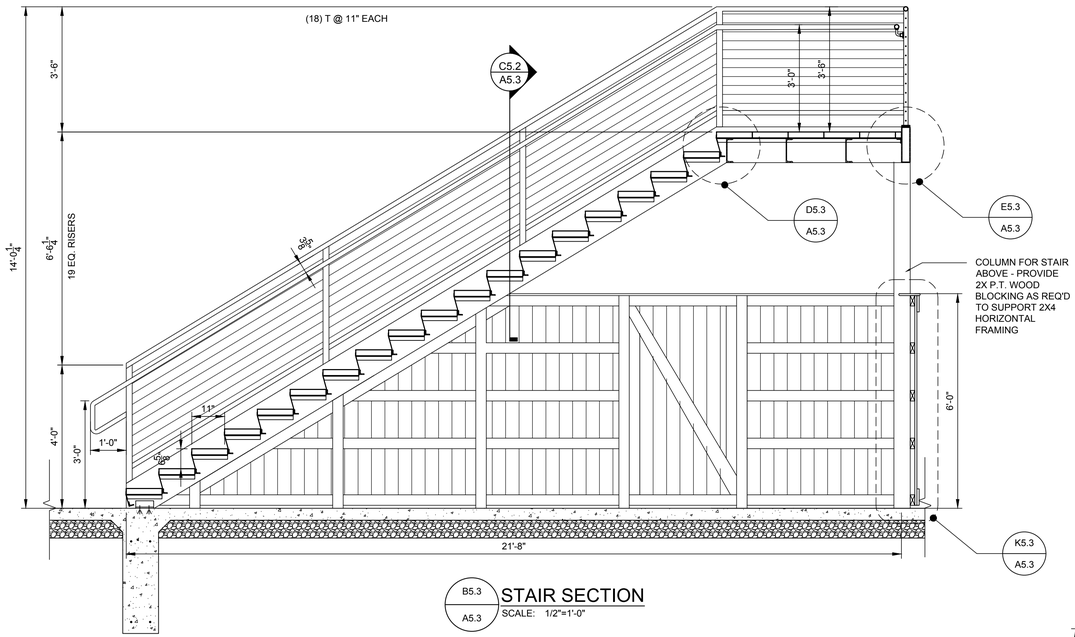
D5.3 / A5.3 **STAIR DETAIL**
SCALE: 1"=1'-0"



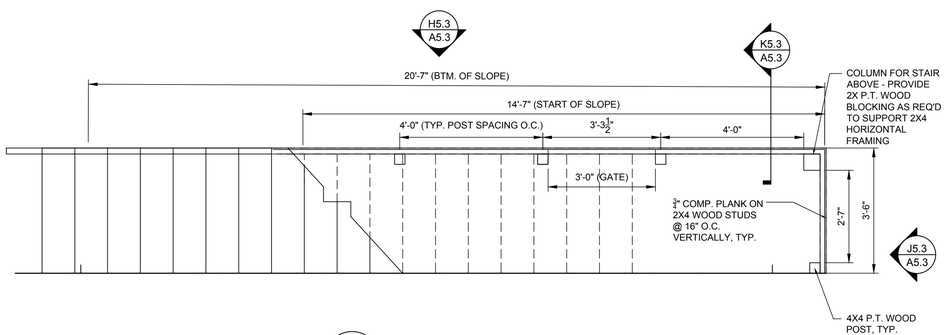
E5.3 / A5.3 **STAIR DETAIL**
SCALE: 1"=1'-0"



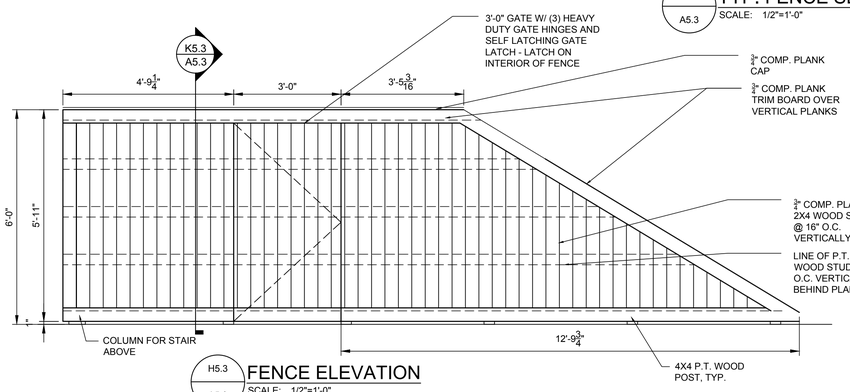
F5.3 / A5.3 **STAIR DETAIL**
SCALE: 1"=1'-0"



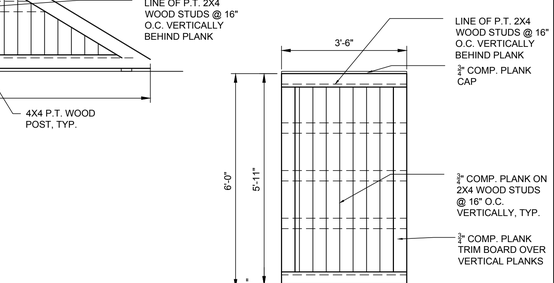
B5.3 / A5.3 **STAIR SECTION**
SCALE: 1/2"=1'-0"



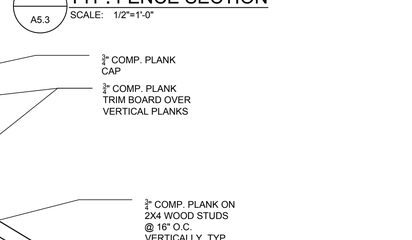
G1.2 / A5.3 **FENCE PLAN**
SCALE: 1/2"=1'-0"



H5.3 / A5.3 **FENCE ELEVATION**
SCALE: 1/2"=1'-0"



J5.3 / A5.3 **FENCE ELEVATION**
SCALE: 1/2"=1'-0"



K5.3 / A5.3 **TYP. FENCE SECTION**
SCALE: 1/2"=1'-0"

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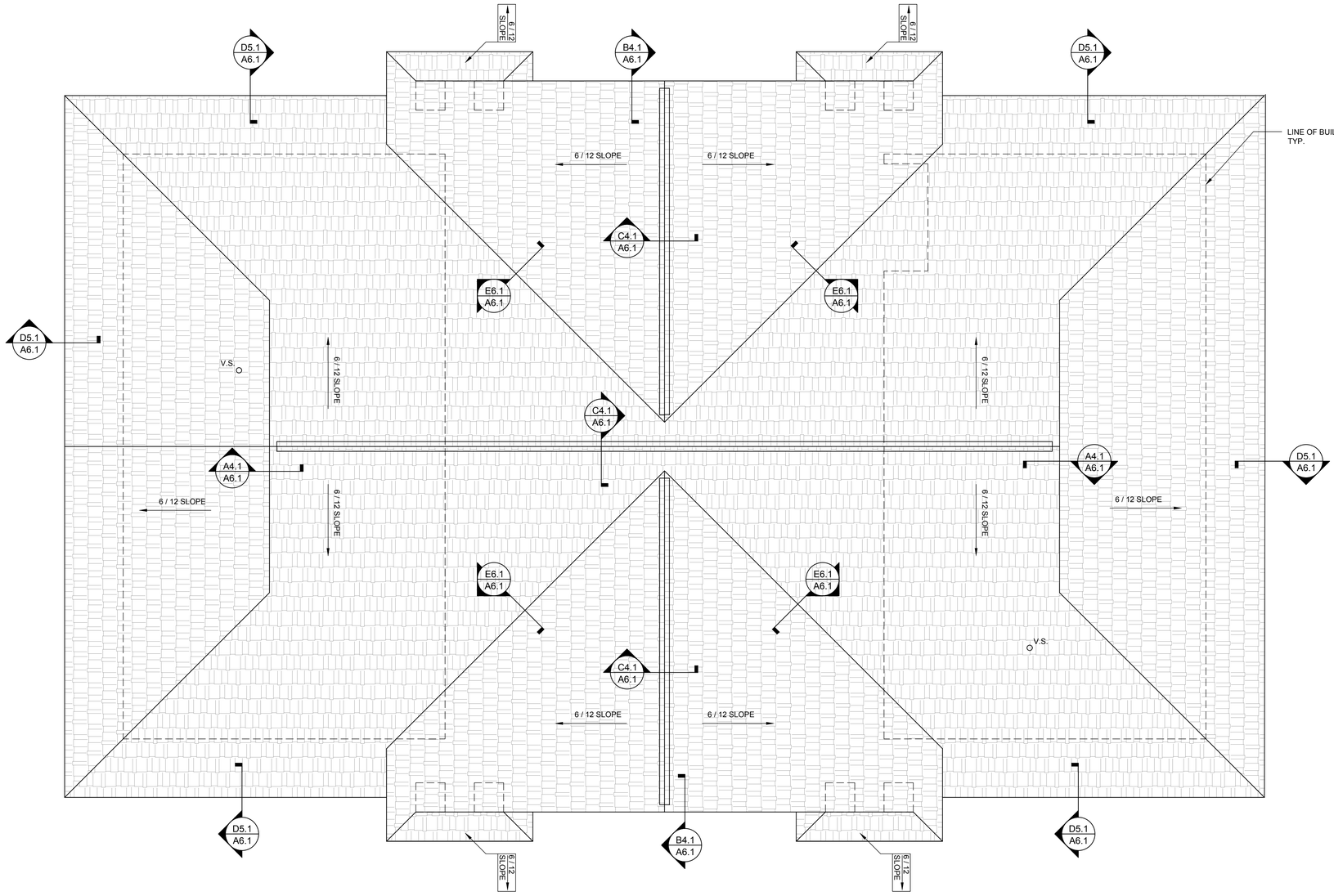
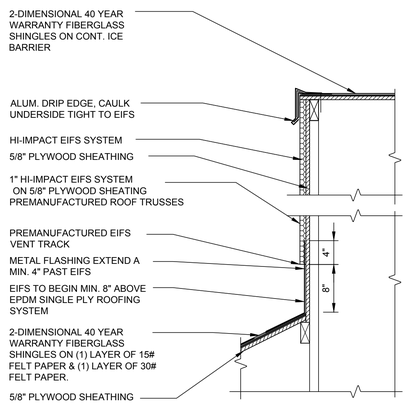
A5.3



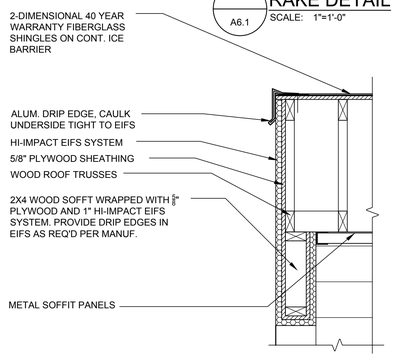
ROOF PLAN

SCALE: 1/4"=1'-0"



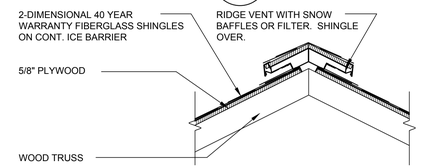
A4.1 / A6.1 — RAKE DETAIL

SCALE: 1"=1'-0"



B4.1 / A6.1 — RAKE DETAIL

SCALE: 1"=1'-0"



C4.1 / A6.1 — RIDGE DETAIL

SCALE: 1"=1'-0"

ROOF HATCH LEGEND

ALL NEW FIBERGLASS/ASPHALT SHINGLES ON WEATHERLOCK ICE GUARD (OR EQUAL) UNDERLAYMENT. ALL ICE GUARD JOINTS TO BE LAPPED MIN. 2"

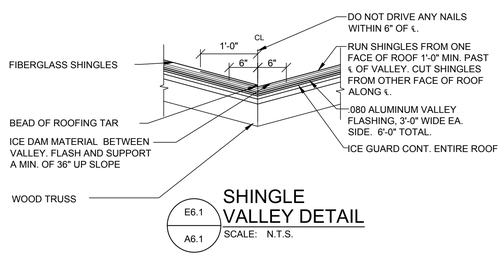
ROOF DETAIL NOTES

1. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.

2. COORDINATE ALL FASCIA HEIGHTS W/ TRUSS MANUFACTURE TO INSURE THAT ALL FASCIAS ARE THE APPROPRIATE HEIGHT.

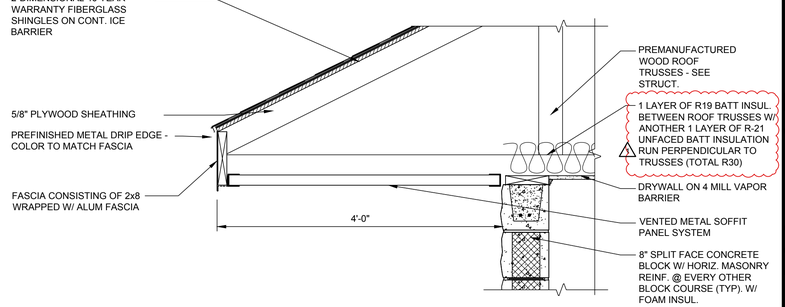
ROOF TAGS

E.F.	EXHAUST FAN
V.S.	VENT STACK



E6.1 / A6.1 — SHINGLE VALLEY DETAIL

SCALE: N.T.S.



D5.1 / A6.1 — EAVE DETAIL

SCALE: 1"=1'-0"

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/23
SIGNATURE DATE 02/21/23

MISCELLANEOUS PROJECTS
FOR
CITY OF OREGON
RECREATIONAL DEPARTMENT
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 I P 419.893.9027 I F 419.893.9027 I BUEHRERGROUP.COM

REVISION SCHEDULE

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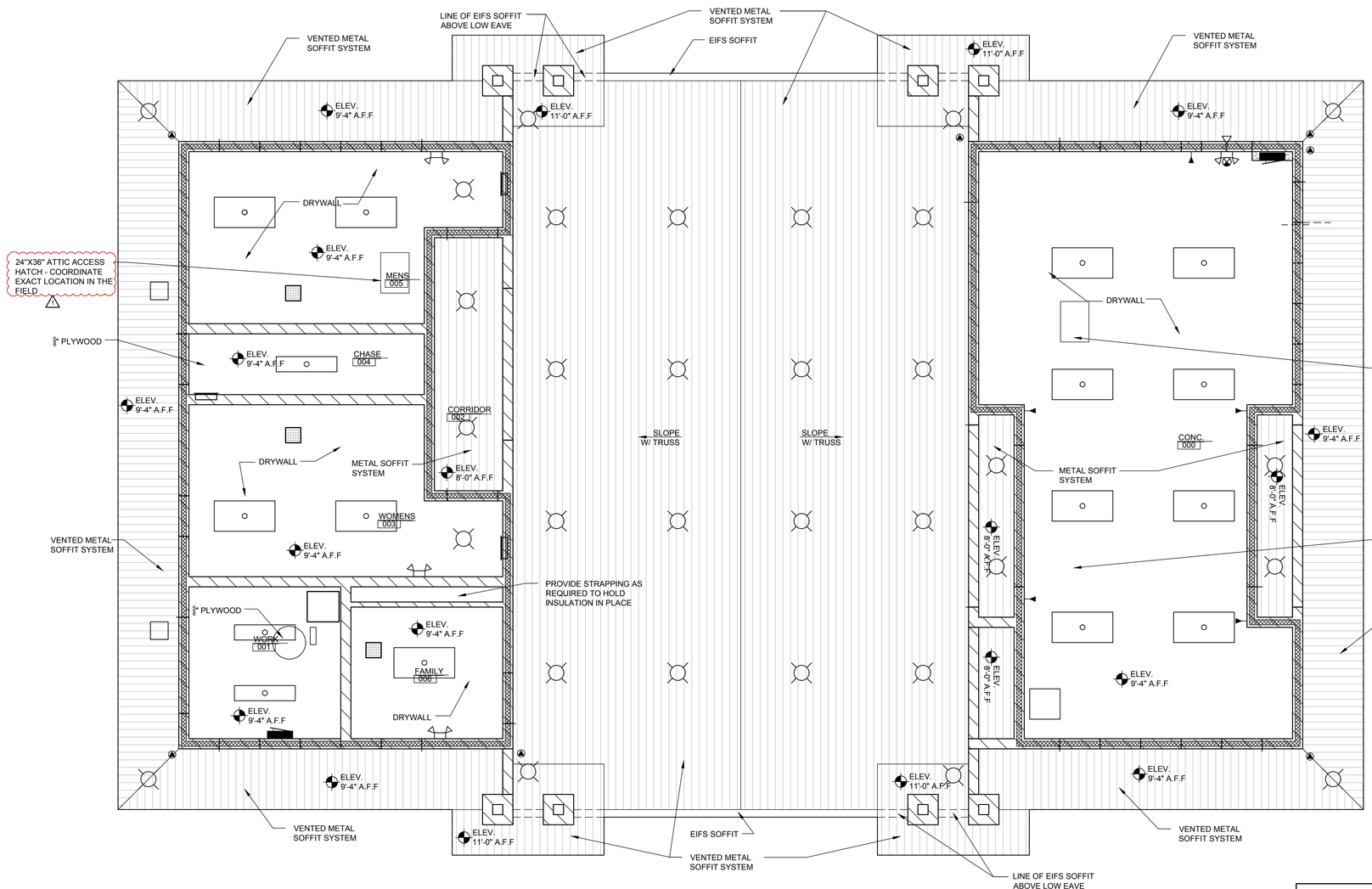
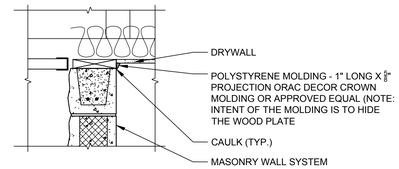
CONSTRUCTION DOCUMENTS

A6.1



REFLECTED CEILING PLAN

SCALE: 1/4"=1'-0"



A5.1 / A7.1 **TRIM DETAIL**

SCALE: 1"=1'-0"

REFLECTED CEILING LEGEND			
	2' X 4' LED LIGHT FIXTURE	WAP	WIRELESS ACCESS
	1' x 4' LED LIGHT FIXTURE	CLK	DIGITAL CLOCK
	2'X 2' LED LIGHT FIXTURE		SPRINKLER HEAD (EXACT LOCATION MAY VARY)
	LED DOWN LIGHT FIXTURE -SEE ELECTRICAL LIGHTING PLAN		SPRINKLER ABOVE CEILING PANELS
	EXIT SIGNS		UPRIGHT PENDANT SPRINKLER W/ WIRE GUARD (EXACT LOCATION MAY VARY)
OR	OCCUPANCY SENSOR		AIR SUPPLY GRILLE
	PHOTOSENSOR		LINEAR AIR SUPPLY GRILLE
SM	CEILING MOUNTED SMOKE DETECTOR		RETURN AIR GRILLE
	DRYWALL CEILING SYSTEM		RADIANT CEILING PANELS
	METAL SOFFIT SYSTEM (VENT AT EAVES)	LS OR DQ	RECESSED CEILING SPEAKER
		OR	SURFACE MOUNTED SPEAKERS
			SECURITY CAMERA MOUNTED IN CEILING
		A	SECURITY SYSTEM SOUNDER
		F	FIRE ALARM HORN AND STROBE
			SUSPENDED LIGHT FIXTURE

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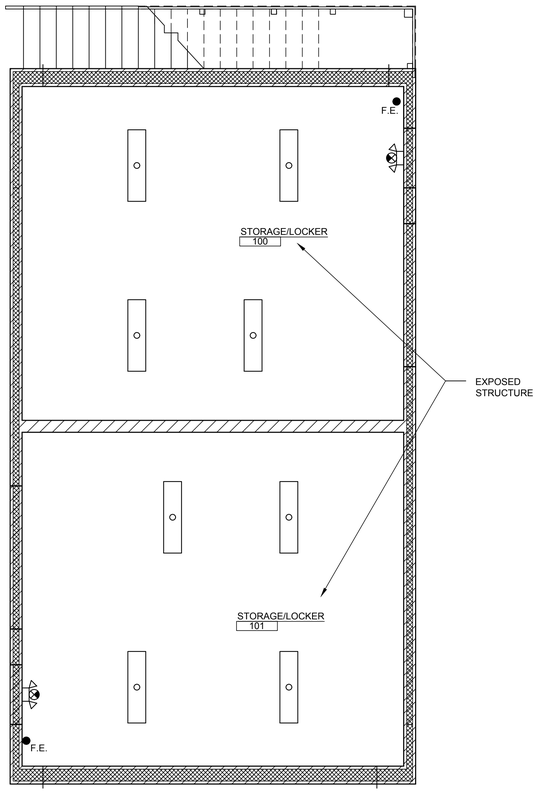
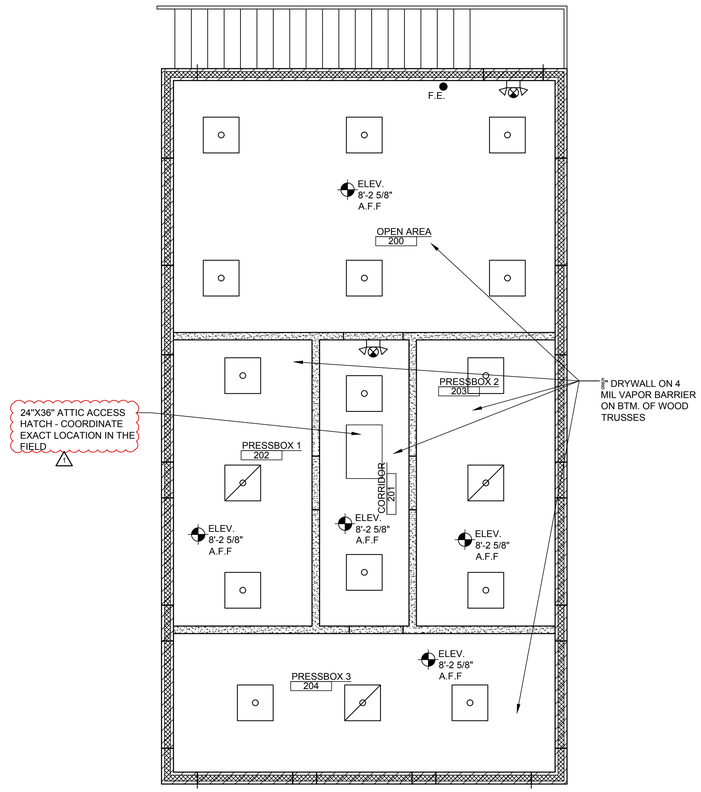
A7.1



ALTERNATE 1
FIRST FLOOR
REFLECTED CEILING PLAN

SCALE: 1/4"=1'-0"

NORTH



ALTERNATE 1
SECOND FLOOR
REFLECTED CEILING PLAN

SCALE: 1/4"=1'-0"

NORTH

REFLECTED CEILING LEGEND			
	2' X 4' LED LIGHT FIXTURE	WAP	WIRELESS ACCESS
	1' x 4' LED LIGHT FIXTURE	CLK	DIGITAL CLOCK
	2'X 2' LED LIGHT FIXTURE		SPRINKLER HEAD (EXACT LOCATION MAY VARY)
	LED DOWN LIGHT FIXTURE -SEE ELECTRICAL LIGHTING PLAN		SPRINKLER ABOVE CEILING PANELS
	EXIT SIGNS		UPRIGHT PENDANT SPRINKLER W/ WIRE GUARD (EXACT LOCATION MAY VARY)
OR	OCCUPANCY SENSOR		AIR SUPPLY GRILLE
	PHOTOSENSOR		LINEAR AIR SUPPLY GRILLE
SM	CEILING MOUNTED SMOKE DETECTOR		RETURN AIR GRILLE
	FRP GRID CEILING SYSTEM		RADIANT CEILING PANELS
		LS OR DQ	RECESSED CEILING SPEAKER
		OR	SURFACE MOUNTED SPEAKERS
			SECURITY CAMERA MOUNTED IN CEILING
		A	SECURITY SYSTEM SOUNDER
		F	FIRE ALARM HORN AND STROBE
			SUSPENDED LIGHT FIXTURE

STATE OF OHIO
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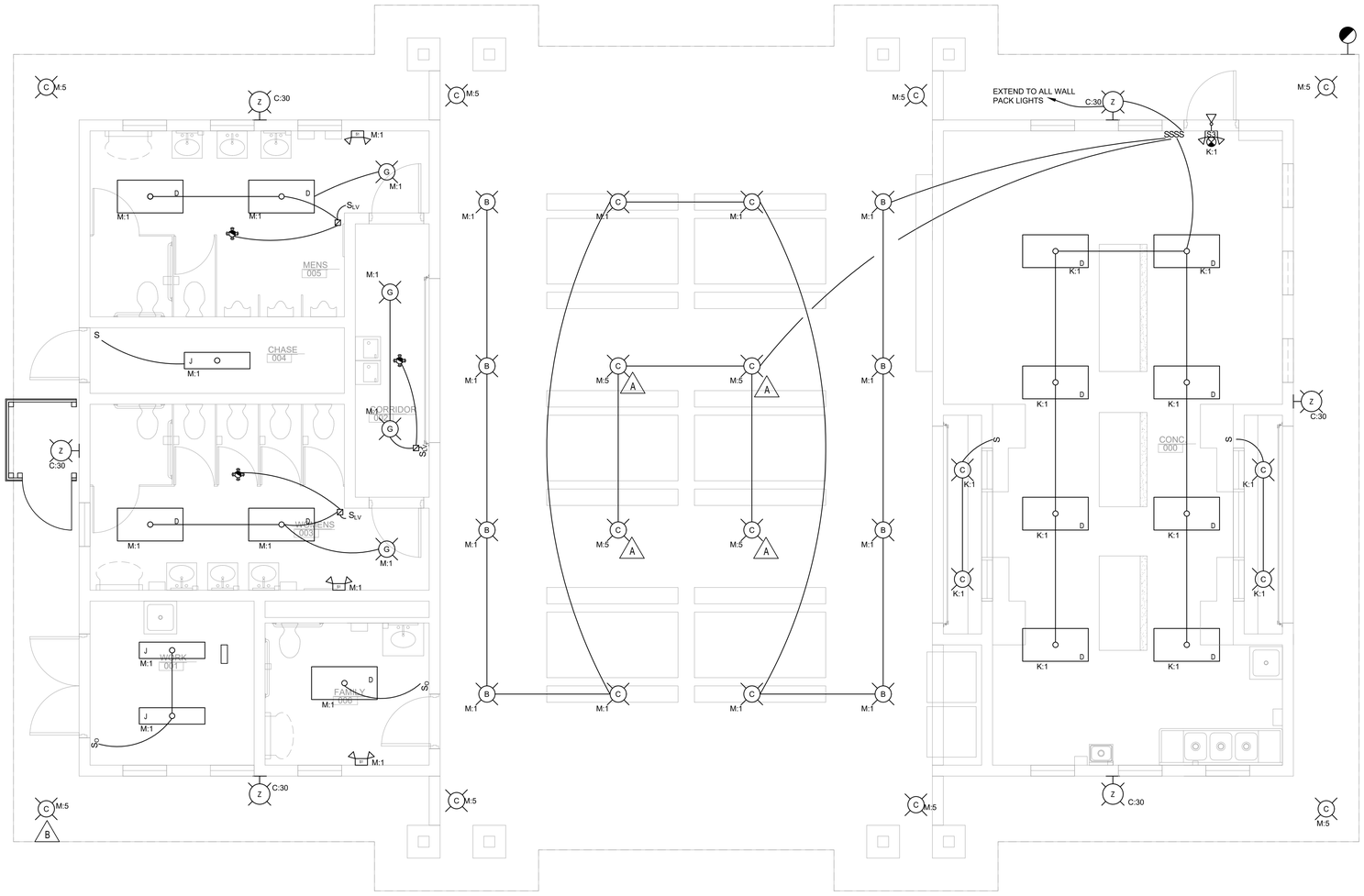
A7.2



LIGHTING KEYED NOTES:

A — C-LIGHTS INDICATED TO BE CONTROLLABLE BY SWITCH AS WELL AS BY PHOTOCELL CONTROL CIRCUIT.

B — M:5 CIRCUIT LIGHTS TYPICAL TO BE CONTROLLED VIA PHOTOCELL CONTROL CIRCUIT

LIGHTING FLOOR PLAN

SCALE: 1/4"=1'-0"

NORTH

LIGHTING LEGEND

LED FIXTURE - 1-14W-6"-LED-120V RECESSED MOUNTED LED DOWNLIGHT. PROVIDE DRIVER AS REQUIRED. WET LOCATION LISTED. COLOR OF TRIM AND BAFFLE TO BE DETERMINED BY OWNER & ARCHITECT.

LITHONIA WF6-LED-40K-14W-1190L-90CRI COLOR BY ARCHITECT
OR EQUAL BY METALUX, LIGHTOLIER, OR DAYBRITE

REV D

LED FIXTURE 1-39W-LED-120V SURFACE MOUNTED 2' x 4' BACKLIT LED FLAT PANEL, 4000K, 4000 LUMENS. PROVIDE MOUNTING HARDWARE FOR DRYWALL CEILING. REFER TO ARCHITECTURAL PLAN FOR CEILING STYLE PER ROOM. EQUIP WITH LED DRIVER.

LITHONIA CPX 2x4 4000LM 40K M2 + DRYWALL MOUNT KIT
METALUX 24CGT4540C 4000K 80CRI 4432 LUMENS 38W + DRYWALL MOUNT KIT
ORACLE 24-FPL-P4-LED-4000L-40K-85-22FK + DRYWALL MOUNT KIT

Fe D

LED FIXTURE 1-32W-LED-120V SURFACE MOUNTED 2' x 2' BACKLIT LED FLAT PANEL, 4000K, 4000 LUMENS. PROVIDE MOUNTING HARDWARE FOR DRYWALL CEILING. REFER TO ARCHITECTURAL PLAN FOR CEILING STYLE PER ROOM. EQUIP WITH LED DRIVER. "Fe" INDICATES FIXTURE TO BE PROVIDED WITH 90 MINUTE BATTERY BACK-UP.

LITHONIA CPX 2x2 3200LM 40K M4 + DRYWALL MOUNT KIT
METALUX 22CGT3540C 4000K 80CRI 3582 LUMENS 32W + DRYWALL MOUNT KIT
ORACLE 22-FPLE-LED-400L-40K-85-22FK+ DRYWALL MOUNT KIT

J D

LED FIXTURE 1-50W-48"-LED-120V 1' X 4' LED WRAPAROUND - /t" THICK CURVED ACRYLIC PRISMATIC LENS. SURFACE MOUNTED.

METALUX 4WNLED LD141 F UNV L835 CD1
LITHONIA LBL4 LP835
HUBBELL LAW4-35ML-EU

OUTDOOR LED - 1-47W-12"-LED-120V. WALL MOUNTED LIGHT FIXTURE. REMOTE PHOTOCELL CONTROLLED. "Ze" INDICATES FIXTURE TO BE PROVIDED WITH 90 MINUTE BATTERY BACK-UP.

LITHONIA DSXW1 LED 20C 700 50K T3M MVOLT DDBXD
*TRACE-LITE TLED-NFS-14-VS-SK
COOPER XTOR5ARL

EL

EMERGENCY EGRESS LIGHTING UNIT WITH DUAL HEADS IN WHITE HOUSING - 120V SURFACE MOUNTED WITH A 90 MINUTE BATTERY BACKUP.

LITHONIA ELM2
SURE-LITES SEL17
DUAL-LITE CU2
CHLORIDE CLUNW

EXIT

COMBINATION LED EXIT SIGN AND EMERGENCY EGRESS LIGHTING UNIT WITH DUAL HEADS - 120V SURFACE MOUNTED WHITE PLASTIC HOUSING WITH A 90 MINUTE BATTERY BACK UP AND THIRD WEATHER-PROOF HEAD CENTERED ABOVE EXTERIOR DOORS.

LITHONIA LHQM LED R / ELA LED WP M12
SURE-LITES LPXC25R3 / SRP25
DUAL-LITE CC / CORS
CHLORIDE CLCNRW2R / VLL1RGO

S

LOCAL SWITCH - 1 POLE - 20A - 125/277V WITH COVER PLATE. MH = 4'-0" .

HUBBELL 1221-x
P & S PS20AC1-x
COOPER CSB120x

OCCUPANCY SENSOR WALL SWITCH - 1000W - 120V WITH COVER PLATE. MH=4'-0"

S_O

HUBBELL AT1277x
P & S OSC 3000-I
WATT STOPPER WA-100
SENSORSWITCH WSD-GY

EXTERIOR PHOTOCELL - EXTERIOR LIGHT CONTROL - 120V. ½" CONDUIT MOUNTING. HD DIE-CAST ZINC HOUSING & GASKETED FOR WEATHER-RESISTANCE.

TORK 2101

S_{LV}

LOCAL LOW VOLTAGE WALL SWITCH W/ 1 BUTTON - 24VDC WITH COVER PLATE TO BE CONNECTED TO LOW VOLTAGE ROOM CONTROLLER VIA CAT5E CABLING. MH=4'-0"

WATTSTOPPER LMSW-101-X

OCCUPANCY SENSOR CONTROL UNIT / POWER PACK - 120/277V - MOUNT ABOVE CEILING IN NEMA 1 ENCLOSURE. SEE SPECS.

GREENGATE SP20-MV
SENSOR SWITCH MP20
WATTSTOPPER BZ-50

DUAL TECHNOLOGY PIR / ULTRASONIC OCCUPANCY SENSOR RECESSED IN CEILING - 24VDC. SEE SPECS. COVERS UP TO 1,000 FT.^{2} WITH 360° FIELD OF VIEW. EQUIP WITH LOW-VOLTAGE POWER PACK.

GREENGATE OAC-DT-1000
SENSOR SWITCHRM PDT 9
WATTSTOPPER DT-300

GENERAL LIGHTING NOTES

1. INTERIOR LIGHTING SHALL BE 4000K, EXTERIOR LIGHTING SHALL BE 5000K.
2. CANOPY DOWNLIGHTS ON CIRCUIT M:5 SHALL BE CONTROLLED VIA A BUILDING MOUNTED PHOTOCELL. MOUNT PHOTOCELL ON THE NE CORNER OF THE BUILDING. PROVIDE A MASTER OVERRIDE SWITCH IN THE KITCHEN FOR CONTROL WHEN THE BUILDING IS OCCUPIED. CLEARLY LABEL SWITCH
3. WALL PACK FIXTURES, TYPE Z, SHALL PROVIDED FOR ADDITIONAL LIGHTING THAT EXTENDS PAST THE BUILDING. MOUNT AT 8'-6". OR AT A HEIGHT OPTIMAL FOR THE FORWARD THROW OPTICS OF THE FIXTURE TO NOT BE IMPEDED BY THE CANOPY EDGE. CONTROL VIA SWITCH IN THE KITCHEN, CLEARLY LABEL.
4. MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE AS SHOWN ON PLANS (REFER TO ARCHITECTURAL DWGS).
   4.1. FOR DRYWALL TYPE CEILINGS, LIGHT FIXTURES ARE TO BE MOUNTED IN DRYWALL PROVIDE FLANGE KIT AS REQUIRED.
   4.2. FOR OPEN CEILINGS, LIGHT FIXTURES SHALL BE MOUNTED VIA AIRCRAFT CABLE LEVEL AND PARALLEL WITH FLOOR.
5. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LOW-VOLTAGE CABLES FOR ALL LIGHTING CONTROL SYSTEM COMPONENTS.
6. ALL POWER PACKS FOR LOW VOLTAGE SWITCHING SHALL BE ACCESSIBLE: ABOVE ACCESSIBLE CEILING, IN IN JUNCTION BOX WITH COVER PLATE, OR ACCESS PANEL SHALL BE PROVIDED.
7. EMERGENCY LIGHTING TO BE PROVIDED WITH 90 MINUTE BATTERY BACK-UP.

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 02/22/23

MISCELLANEOUS PROJECTS
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REVISION SCHEDULE

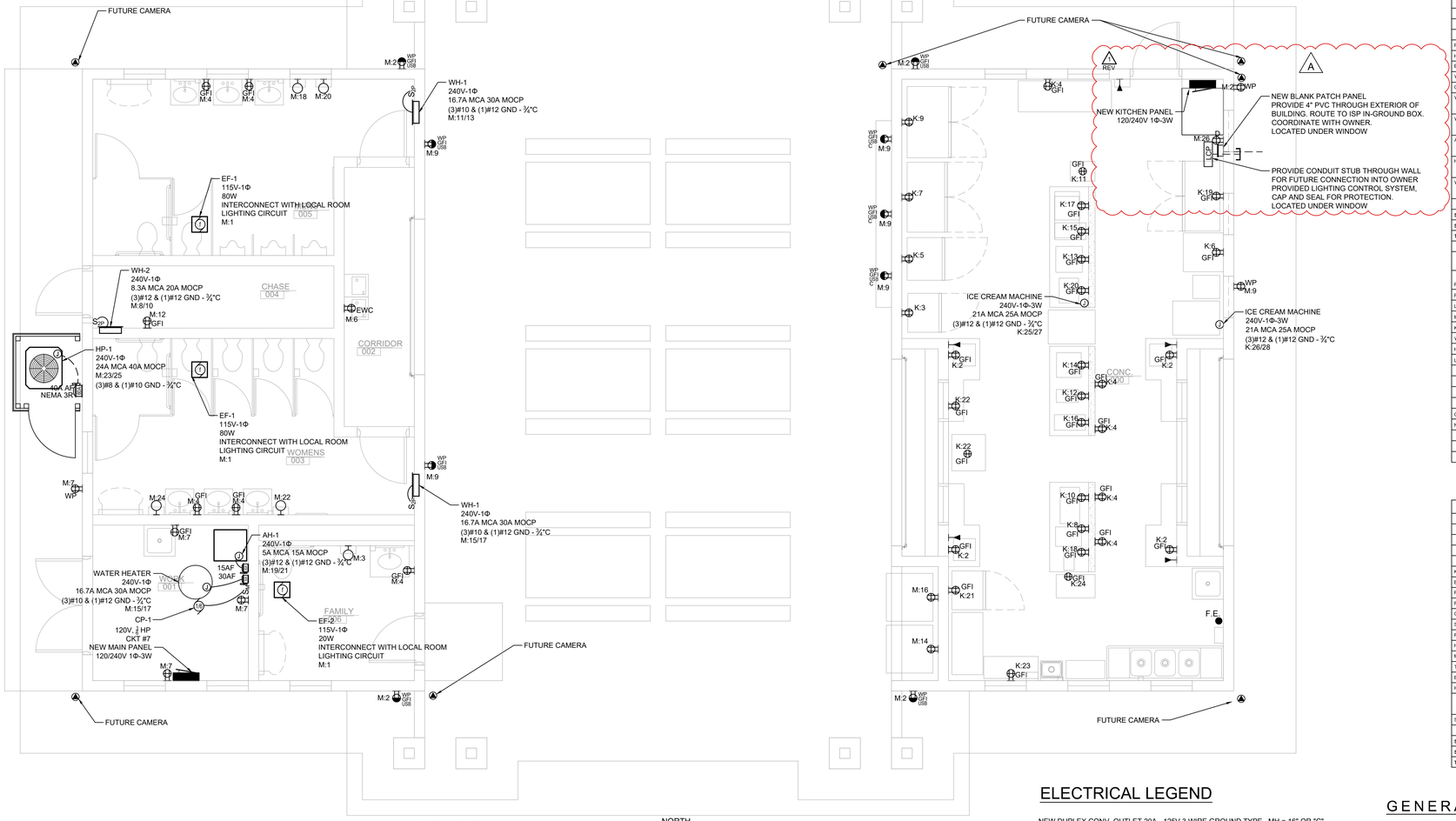
1	ADDENDUM 1 - 03/15/2023

ISSUE DATE: 02/26/23

JOB NUMBER: 220992

CONSTRUCTION DOCUMENTS

E1.1



KEYED NOTES

A — COORDINATE FIBER PATCH PANEL LOCATION ON EAST WALL WITH OWNER & ARCHITECT PRIOR TO CONDUIT ROUGH-IN.
TYPE OF FIBER PATCH PANEL TO BE DETERMINED, COORDINATE WITH OWNER

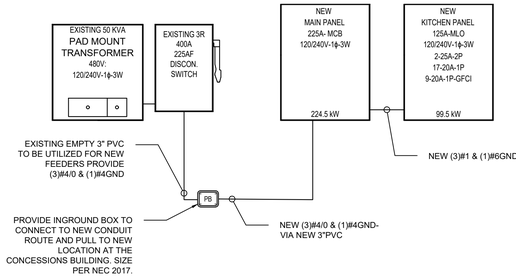
POWER FLOOR PLAN

SCALE: 1/4"=1'-0"

NORTH

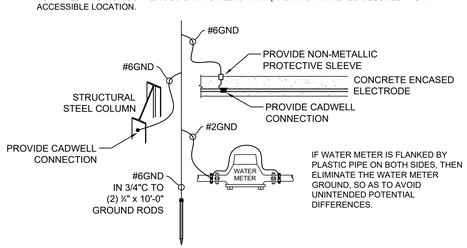
GROUNDING NOTES:

1. CONNECT THE SERVICE NEUTRAL CONDUCTOR ACCORDING TO NEC 250.24(A)(1), AND AS IDENTIFIED IN NEC 250.26.
2. IF AN OUTDOOR TRANSFORMER IS SUPPLYING SERVICE TO THE BUILDING, AT LEAST ONE ADDITIONAL GROUNDING CONNECTION SHALL BE MADE FROM THE GROUNDED SERVICE CONDUCTOR TO A GROUNDING ELECTRODE PER NEC 250.24(A)(2).
3. THE MAIN BONDING JUMPER AS WELL AS THE SYSTEM BONDING JUMPER AS IDENTIFIED BY 205.28 SHALL BE SIZED PER 250.102(C)(1).
4. WHEN GROUNDING A SEPARATELY DERIVED SYSTEM FOR A GROUNDED SYSTEM, ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH 250.30(A).
5. PER NEC 250.52, ELECTRODES PERMITTED FOR GROUNDING INCLUDE: METAL UNDERGROUND WATER PIPE, THE METAL FRAME OF THE BUILDING OR STRUCTURE, AND CONCRETE ENCASED ELECTRODES.
   - 5.1. WHEN USING THE METAL UNDERGROUND WATER PIPE AS THE GROUNDING ELECTRODE, THE BONDING SHALL BE MADE WITHIN THE FIRST 5 FEET OF ENTERING THE BUILDING.
6. IF A SINGLE GROUND ROD IS BEING USED AS A SUPPLEMENTAL ELECTRODE TO A METAL UNDERGROUND WATER PIPE PER 250.53(D)(2) AND HAS A RESISTANCE OF LESS THAN 25Ω, THEN A SUPPLEMENTAL GROUND ROD IS REQUIRED AND BE SPACED AT 6' APART PER NEC 250.53(A) EXCEPTION AND 250.53(B).
7. THE BONDING JUMPER USED TO CONNECT THE GROUNDING ELECTRODES TOGETHER SHALL BE SIZED PER TABLE 250.66.
   - 7.1. THE BONDING JUMPER WHERE CONNECTED TO THE SUPPLEMENTAL GROUND ROD IS NOT REQUIRED TO BE LARGER THAN #6 AWG CU OR #4 AWG AL.
8. GROUNDING ELECTRODE CONDUCTOR(S) AND BONDING JUMPERS INTERCONNECTING GROUNDING ELECTRODES SHALL BE INSTALLED IN ACCORDANCE WITH 250.64(F)(1),(2), OR (3).
   - 8.1. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PERMITTED TO BE RUN TO ONE OR MORE GROUNDING ELECTRODE(S) INDIVIDUALLY.
   - 8.2. BONDING JUMPER(S) FROM GROUNDING ELECTRODE(S) SHALL BE PERMITTED TO BE CONNECTED TO AN ALUMINUM OR COPPER BUS BAR NOT LESS THAN ¼" x 2" AND FASTENED SECURELY TO AN ACCESSIBLE LOCATION.



EXISTING GROUNDING CONDUCTOR ELECTRODE AT 45KVA TRANSFORMER. CONTRACTOR TO FIELD VERIFY. EQUIPMENT GROUNDING CONDUCTOR SHALL BE CARRIED THROUGH THE ENTIRE SYSTEM. IF GCE IS NOT PRESENT, PROVIDE GROUND CONNECTION AT NEW CONCESSION BUILDING. REFER TO DIAGRAM, SIZE PER NEC 2017.

SINGLE LINE DIAGRAM -120/240V, 1Φ, 3W



IF WATER METER IS FLANKED BY PLASTIC PIPE ON BOTH SIDES, THEN ELIMINATE THE WATER METER GROUND, SO AS TO AVOID UNINTENDED POTENTIAL DIFFERENCES.

ELECTRICAL LEGEND

- NEW DUPLEX CONV. OUTLET 20A - 125V 3 WIRE GROUND TYPE. MH = 16" OR "C" MATERIALS SHALL BE UL - UNDERWRITER'S LABORATORY LISTED. OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS.

HUBBELL	5362x
P & S	5362x
COOPER	5362x
LEVITON	5362-x

- GFI — DUPLEX GFI OUTLET - 20A - 125V - 3 WIRE GROUND FAULT INTERRUPTER TYPE - FLUSH MTD. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED.

HUBBELL	GF20xLU
P & S	2095x
COOPER	VGF20x
LEVITON	7899-SGx

- WP — DUPLEX GFI, WEATHER-RESISTANT OUTLET - 20A - 125V - 3 WIRE GROUND FAULT INTERRUPTER TYPE - FLUSH VERTICAL MOUNTED IN WEATHER-RESISTANT IN-USE COVER. MH = 16" OR "C" DENOTES 6" ABOVE COUNTER, UNLESS OTHERWISE NOTED.

COOPER	WRVGF20x/ WIU-1
LEVITON	W7899-x/IUM1V-0GY

- NEW DUPLEX CEILING OUTLETS 20A - 125V. SAME AS DUPLEX CONV. OUTLET EXCEPT MOUNTED TO CEILING.
- XXA — SAFETY SWITCH - SIZE AS NOTED ("3R" RAIN TIGHT, "NF" NON-FUSED)
- FRACTIONAL MOTOR BY OTHERS. FUNCTION, VOLTAGE AND SIZE AS NOTED.
- PROVIDE SMALL WALL RACK, 26U AND BLANK FIBER PATCH PANEL. PROVIDE 4" CONDUIT FROM ISP IN-GROUND BOX TO NEW PATCH PANEL LOCATION.
- S_M / S_{3P} — MANUAL MOTOR STARTER - 120V - 1 POLE WITH OVERLOAD AND PILOT LIGHT. MH = 5'-0" . "K" - KEY OPERATED. WHERE INDICATED, PROVIDE 2P-30A SWITCH.

SQUARE D	CLASS 2510
GE	TYPE CR101
SIEMENS	SMF

- E / C — SAME AS DUPLEX OUTLET, BUT FOR ELECTRIC WATER COOLER. VERIFY SPECIAL MOUNTING HEIGHT WITH PLUMBING CONTRACTOR. OUTLET TO BE SERVED VIA GFCI BREAKER.
- D — SAME AS ABOVE WITH 2 OUTLETS IN ONE DOUBLE DUPLEX BACK BOX.
- USB — USB DUPLEX OUTLET - 20A - 125V 3-WIRE GROUND TYPE. ONE USB "A" STYLE, ONE USB "C" STYLE 5A CHARGING OUTLETS PLUS TWO 20A GFIC, TAMPER-RESISTANT RECEPTACLES. COMPATIBLE WITH USB 2.0 & 3.0 DEVICES. FLUSH VERTICAL MOUNTED. WHERE INDICATED, PROVIDE WEATHER-RESISTANT IN-USE COVER

LEGRAND	1597TRWRUSBACW
OR APPROVED EQUAL BY OTHERS	

- REV — SURFACE MOUNTED POWER PANEL - 120/240V-1Φ-3W

GENERAL POWER NOTES

1. QUALITY ASSURANCE: ALL WORK SHALL BE IN ACCORDANCE WITH THE NFPA 70 - NATIONAL ELECTRICAL CODE 2017. ALL NEW AND UTILIZED MATERIALS SHALL BE UL - UNDERWRITER'S LABORATORY LISTED. OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS.
2. ALL PANEL BOARDS IN THIS SCOPE OF WORK SHALL ALL HAVE LABELED TYPED DIRECTORIES PROVIDED, INDICATING ALL CIRCUITS, AND A COPY INSERTED INSIDE THE PANEL DOOR.
3. ALL LOCATIONS SHOWN ARE APPROXIMATE.
4. UNLESS NOTED OTHERWISE, ALL CIRCUIT HOMERUNS ON THIS SHEET SHALL BE #12AWG WITH DEDICATED #12AWG NEUTRAL AND SHARED #12AWG GROUND WIRE, IN 3/4" CONDUIT.
5. ALL FUTURE CAMERA LOCATIONS TO RECEIVE PATHWAY AND PULL STRING FOR COMMUNICATIONS, POE POWER.
6. ALL 15A AND 20A RECEPTACLES WITHIN 6'-0" OF A SINK SHALL BE GFIC TYPICAL. IN ADDITION, PROVIDE GFIC PROTECTION FOR RECEPTACLES IN KITCHEN AND OTHER AREAS AS REQUIRED BY NEC.
7. ALL EQUIPMENT SHALL BE OWNER PROVIDED & INSTALLED. COORDINATE EQUIPMENT CONNECTIONS (TYPE AND LOCATIONS) WITH OWNER PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL PLANS FOR EQUIPMENT SCHEDULE AND LAYOUT.

GENERAL TECH NOTES:

1. COMMUNICATIONS SCOPE INCLUDES:
   - 1.1. 4" PVC FROM ISP IN-GROUND BOX INTO BUILDING HEADEND.
   - 1.2. ALL PATHWAYS WITH PULLSTRING TO HOME RUN TO PATCH PANEL LOCATION.
   - 1.3. FINAL LOCATION TO BE DETERMINED BY OWNER. IF FINAL LOCATION IS DIFFERENT THAN WHAT IS SHOWN ON PLANS, THE DOUBLE DUPLEX OUTLET AT DATA HEAD END, M:26 SHALL BE RELOCATED AS WELL. OUTLET TO SERVE COMMUNICATIONS EQUIPMENT.
   - 1.4. PROVIDE FIBER PATCH PANEL AS DIRECTED BY OWNER
   - 1.5. FIBER TERMINATION TYPE TO BE DETERMINED BY OWNER.
   - 1.6. PROVIDE ¾" PLYWOOD BACKBOARD FOR COMM RACK AND EQUIPMENT.
- FUTURE DATA JACK. MH=16" UNLESS NOTED OTHERWISE. FROM EACH JACK LOCATION, PROVIDE 1" CONDUIT TO EXTEND TO PATCH PANEL LOCATION. PROVIDE BLANK COVER PLATE WITH PULL STRING.
- FUTURE DATA JACK MOUNTED IN CEILING OR SOFFIT. FROM EACH JACK LOCATION, PROVIDE 1" CONDUIT TO EXTEND TO PATCH PANEL LOCATION. PROVIDE BLANK COVER PLATE WITH PULL STRING.

MAIN PANEL "M"

MAINS:	225	MCB	V:	120/240V		1	PH.	3	WIRE				
MOUNTING:	RECESSED		LOCATION:						FED FROM:				

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A		B	POLE	#	#	POLE	A		B	TYPE	DESCRIPTION
RR WORK LIGHTS	L	700			20	1	2	20G	1000			R	COMMON RECEPT
HAND DRYER	M			1200	20	3	4	20			1000	R	BATH RECEPTACLES
EXT LIGHTS	L	400			20	5	6	20G	500			R	EWC
WORK RECPT	R			1248	20	7	8	20			996		
COMMON RECEPT	R	1080			20G	9	10		996			HVAC	WH-2
WH-1				2004	30	11	12	20G			180	R	CHASE RECEPT
	HVAC	2004				13	14	20G	750			R	VENDING MACHINE
WH-1				2004	30	15	16	20G			750	R	VENDING MACHINE
	HVAC	2004				17	18	20G	1200			M	HAND DRYER
AH-1				600	15	19	20	20G			1200	M	HAND DRYER
	HVAC	600				21	22	20G	1200			M	HAND DRYER
HP-1				2880	40	23	24	20G			1200	M	HAND DRYER
	HVAC	2880				25	26	20G	400				OUTLET FOR DATA
WATER HEATER				2004	30	27	28	125			18372		KITCHEN PANEL
	WEH	2004				29	30		16703				
SUBTOTAL #1		11672	0	11940					22749	0	23698		SUBTOTAL #2
SUBTOTAL #1 + #2		34421	0	35638									
TOTAL PANEL LOAD:	70.1	KVA		291.9	AMPS						TOTAL:	252.8	A MINIMUM FEEDER

	Total Connected Load			Demand %		Demand Load			SUMMER:	224.5	A MINIMUM FEEDER
RECEPTACLES	8.1			100%		8.1			WINTER	219.9	A MINIMUM FEEDER
RECEPTACLES	0.0			50%		0					
LIGHTING	1.3			100%		1.3					
MOTORS	5.3			100%		5.3					
KITCHEN	32.5			65%		21.13					
WATER & ELEC HEAT	4.0			100%		4					
HVAC	17.0			100%		17					
LARGEST MTR	1.2			125%		1.5					
	69.4	kw					kw				
	289.2	Amps @ 240V			243.02		Amps @ 240V				
Continuous	9.4	x	125%			11.75	kw				
Non-continuous	48.9	x	100%			48.93	kw				
						60.68	kw				
						252.8					

KITCHEN PANEL "K"

MAINS:	125	MLO	V:	120/240V		1	PH.	3	WIRE				
MOUNTING:	RECESSED		LOCATION:						FED FROM:				

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A		B	POLE	#	#	POLE	A		B	TYPE	DESCRIPTION
KITCHEN LIGHTS	L	550			20	1	2	20	800			R	CASH REGISTER
BEV COOLER	K			840	20G	3	4	20			900	R	KITCHEN OUTLETS
FREEZER	K	250			20G	5	6	20	984			K	ICE MACHINE
FREEZER	K			1400	20G	7	8	20			750	K	NACHO CHEESE MACH
COOLER	K	1200			20G	9	10	20	1788			K	HOT DOG MACHINE
SLUSHIE MACHINE	K			1080	20G	11	12	20			200	K	NACHO CHS WARMER
FRYER	K	1700			20	13	14	20	500			K	NACHO WARMER
HEAT LAMP	K			500	20	15	16	20			1800	K	CAPPUCINO MACHINE
MICROWAVE OVEN	K	1500			20	17	18	20	1500			K	COFFEE MACHINE
TUDOR REV COOLER	K			1000	20G	19	20	20			1300	K	MICROWAVE
BEVERAGE COOLER	K	800			20G	21	22	20	1500			K	POPCORN MACHINE
ICE CREAM FREEZER	K			150	20G	23	24	20			1783	K	SLUSH MACHINE
ICE CREAM MACHINE	K	2500			25	25	26	25	2500			K	ICE CREAM MACHINE
				2500		27	28				2500		
SPARE					20	29	30	20	300				WALL PACKS
SUBTOTAL #1		8500	0	7470					9872	0	9033		SUBTOTAL #2
SUBTOTAL #1 + #2		16372	0	16703									
TOTAL PANEL LOAD:	35.1	KVA		146.1	AMPS						DEMANDED:	99.48	A MINIMUM FEEDER

"G" DENOTES GFIC CIRCUIT BREAKER

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED
PROFESSIONAL ENGINEER
SIGNATURE DATE 02/22/23

MISCELLANEOUS PROJECTS
FOR
CITY OF OREGON
RECREATIONAL DEPARTMENT
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 | F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

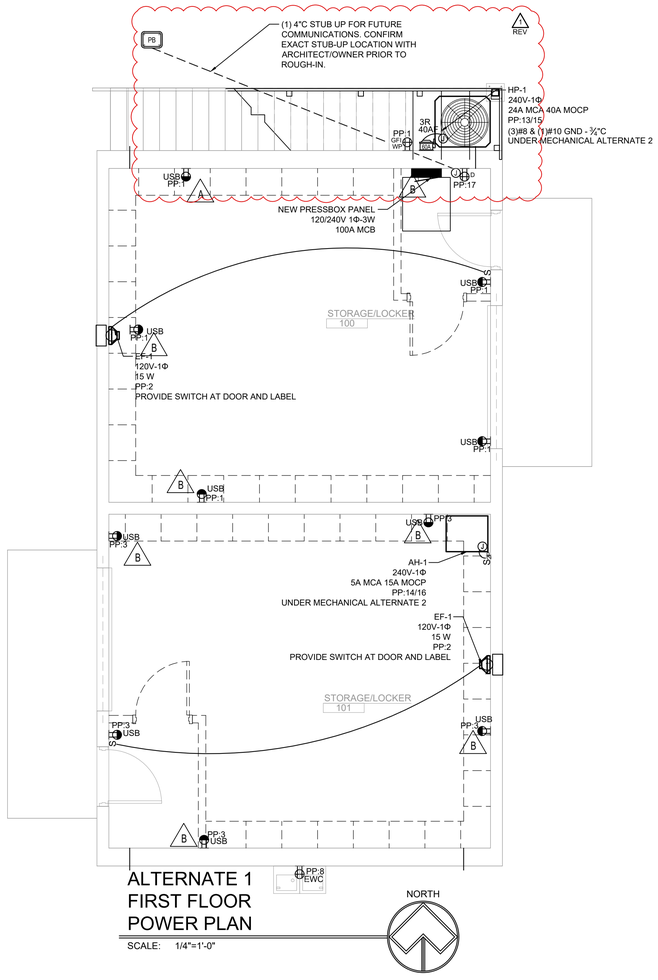
1	ADDENDUM 1 - 03/13/23

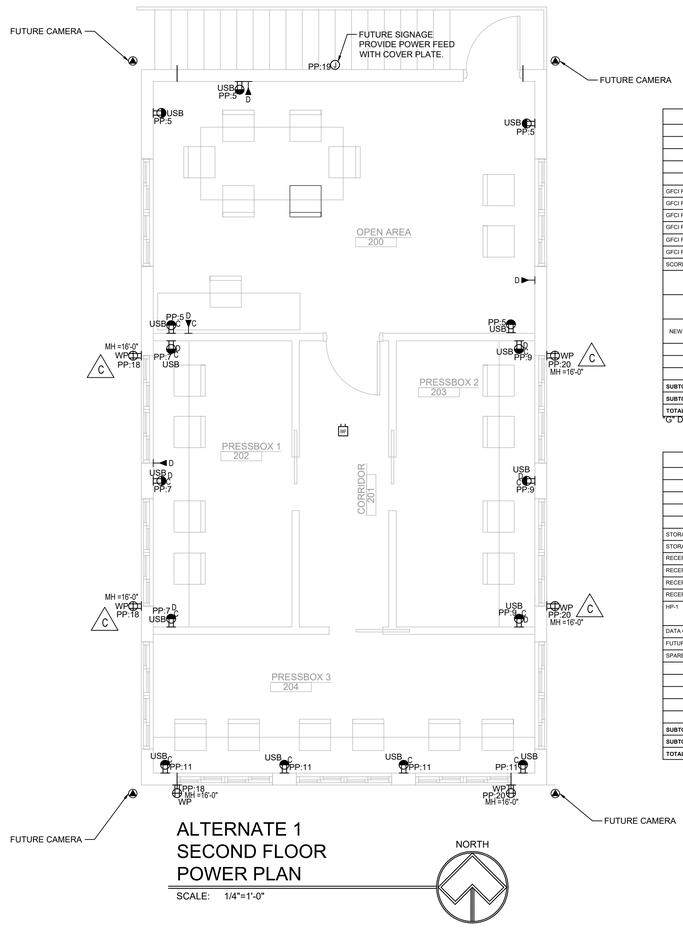
ISSUE DATE: 02/26/23

JOB NUMBER: 220992

CONSTRUCTION DOCUMENTS

E2.1





EXISTING BASEBALL FIELD PANEL

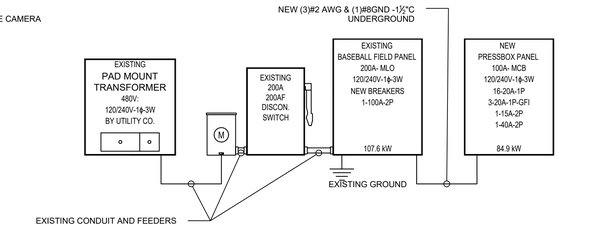
MAINS:	200	MLO	**V:**	120/240V			1	**PH.**	3	**WIRE**			
MOUNTING:	RECESSED		**LOCATION:**							**FED FROM:**	TRANSFORMER		
	LOAD				**AMPS**	**CKT**	**CKT**	**AMPS**				**LOAD**	
DESCRIPTION	**TYPE**	**A**		**B**	**POLE**	**#**	**#**	**POLE**	**A**		**B**	**TYPE**	**DESCRIPTION**
GFCI RECEPTACLE 1	R	200			20	1	2	20	200			R	GFCI RECEPTACLE 2
GFCI RECEPTACLE 3	R			200	20	3	4	20			200	R	GFCI RECEPTACLE 4
GFCI RECEPTACLE 5	R	200			20	5	6	20	200			R	GFCI RECEPTACLE 6
GFCI RECEPTACLE 7	R			200	20	7	8	20			200	R	GFCI RECEPTACLE 8
GFCI RECEPTACLE 9	R	200			20	9	10	20	200			R	GFCI RECEPTACLE 10
GFCI RECEPTACLE 11	R			200	20	11	12	20			200	WEH	SPRINKLER SYSTEM
SCOREBOARD D1	R	1000			30	13	14	15	1000			R	SCOREBOARD D2
SPARE					30	15	16	30					SPARE
						17	18						
SPARE					50	19	20	50					SPARE
						21	22						
NEW PRESSBOX PANEL				9180	100	23	24						
	NEW	9130				25	26						
						27	28						
						29	30						
SUBTOTAL #1		10730	0	9780					1600	0	600		**SUBTOTAL #2**
SUBTOTAL #1 + #2		12330	0	10380									
TOTAL PANEL LOAD:	22.7	KVA		94.6	**AMPS**						**DEMANDED:**	107.6	A MINIMUM FEEDER

"G" DENOTES GFIC CIRCUIT BREAKER

NEW PRESSBOX PANEL

MAINS:	100	MCB	**V:**	120/240V			1	**PH.**	3	**WIRE**			
MOUNTING:	RECESSED		**LOCATION:**							**FED FROM:**			
	LOAD				**AMPS**	**CKT**	**CKT**	**AMPS**				**LOAD**	
DESCRIPTION	**TYPE**	**A**		**B**	**POLE**	**#**	**#**	**POLE**	**A**		**B**	**TYPE**	**DESCRIPTION**
STORAGE RECEPTACLES	R	900			20G	1	2	20	900			L	STORAGE LIGHTS
STORAGE RECEPTACLES	R			900	20	3	4	20			850	L	UPSTAIR LIGHTS
RECEPTACLES	R	1080			20	5	6	20					SPARE
RECEPTACLES	R			1080	20	7	8	20G			1000	R	EWC
RECEPTACLES	R	1080			20	9	10	20	800			R	FUTURE SIGNAGE
RECEPTACLES	R			1080	20	11	12	20					SPARE
HP-1		2880			40	13	14	15	600				
	HVAC			2880		15	16				600	HVAC	AH-1
DATA OUTLET	R	400			20	17	18	20G	540			R	SPEAKERS
FUTUR SIGNAGE	L			200	20	19	20	20G			540	R	SPEAKERS
SPARE					20	21	22	20					SPARE
						23	24						
						25	26						
						27	28						
						29	30						
SUBTOTAL #1		6340	0	6140					2640	0	2990		**SUBTOTAL #2**
SUBTOTAL #1 + #2		9180	0	9130									
TOTAL PANEL LOAD:	18.3	KVA		76.3	**AMPS**						**DEMANDED:**	84.9	A MINIMUM FEEDER

"G" DENOTES GFIC CIRCUIT BREAKER



SINGLE LINE DIAGRAM -120/240V, 1Φ, 3W

KEYED NOTES:

A — NEW BUILDING DATA FEED LOCATION. PROVIDE CONDUIT FROM NEW 3" STUB UP.

B — WHERE USB OUTLETS ARE IN CONFLICT WITH PROPOSED LOCKERS, IF LOCKERS ARE INSTALLED, EXTEND TO NEW LOCATION, BELOW BENCH OF THE LOCKERS.

C — FUTURE SPEAKER OUTLETS TO HAVE FINAL LOCATION COORDINATED IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN. COORDINATE WITH OWNER ANY ADDITIONAL COMMUNICATION PATHWAY REQUIRED.

ELECTRICAL LEGEND

REFER TO SHEET E2.1 FOR COMPLETE LEGEND

PB — NEW PULLBOX TO BE INSTALLED.

GENERAL TECH NOTES:

1. COMMUNICATIONS SCOPE INCLUDES:
   - 1.1. PROVIDE IN-GROUND BOX FOR FUTURE COMMUNICAITON
   - 1.1. 4" PVC FROM IN-GROUND BOX INTO BUILDING HEADEND.
   - 1.2. ALL FUTURE JACK TO BE PROVIDED WITH 1"C AND PULLSTRINGS, HOME RUN TO HEADEND LOCATION.
   - 1.3. FINAL LOCATION TO BE DETERMINED BY OWNER. IF FINAL LOCATION IS DIFFERENT THAN WHAT IS SHOWN ON PLANS, THE DOUBLE DUPLEX OUTLET AT DATA HEAD END, PP:17 SHALL BE RELOCATED AS WELL. OUTLET TO SERVE COMMUNICATIONS EQUIPMENT.
   - 1.4. PROVIDE ¾" PLYWOOD BACKBOARD FOR COMM RACK AND EQUIPMENT.

FUTURE DATA JACK. MH=16" UNLESS NOTED OTHERWISE. FROM EACH JACK LOCATION, PROVIDE 1" CONDUIT TO EXTEND TO PATCH PANEL LOCATION. PROVIDE BLANK COVER PLATE WITH PULL STRING.

WAP — FUTURE WAP. PROVIDE PATHWAY WITH PULL STRING BACK TO COMMUNICATIONS HEADEND LOCATION.

GENERAL POWER NOTES

1. QUALITY ASSURANCE: ALL WORK SHALL BE IN ACCORDANCE WITH THE NFPA 70 - NATIONAL ELECTRICAL CODE 2017. ALL NEW AND UTILIZED MATERIALS SHALL BE UL - UNDERWRITER'S LABORATORY LISTED. OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS.
2. ALL PANEL BOARDS IN THIS SCOPE OF WORK SHALL ALL HAVE LABELED TYPED DIRECTORIES PROVIDED, INDICATING ALL CIRCUITS, AND A COPY INSERTED INSIDE THE PANEL DOOR.
3. ALL LOCATIONS SHOWN ARE APPROXIMATE.
4. UNLESS NOTED OTHERWISE, ALL CIRCUIT HOMERUNS ON THIS SHEET SHALL BE #12AWG WITH DEDICATED #12AWG NEUTRAL AND SHARED #12AWG GROUND WIRE, IN 3/4" CONDUIT.
5. ALL FUTURE CAMERA LOCATIONS TO RECEIVE PATHWAY AND PULL STRING FOR COMMUNICATIONS, POE POWER.
6. ALL FUTURE SPEAKER RECEPTACLES SHALL HAVE GFI PROTECTION AT BREAKER IN PANEL.
7. ALL 15A AND 20A RECEPTACLES WITHIN 6'-0" OF A SINK SHALL BE GFIC TYPICAL. IN ADDITION, PROVIDE GFIC PROTECTION FOR RECEPTACLES IN OTHER AREAS AS REQUIRED BY NEC 2017.

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REVISION SCHEDULE

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CONSTRUCTION DOCUMENTS

E2.2