# **ADDENDUM NO. 1**

# **QUESTIONS AND ANSWERS**

# September 4, 2020

# Montgomery County Shared Services Facility

This addendum is hereby included in and made a part of the Contract. All requirements of the original Bid Documents shall remain in force except as noted by this addendum.

The purpose of this addendum provided by LiRo Engineers, Inc. is to provide bidders with information on the following items:

# Questions

Responses to questions received pertaining to this bid solicitation are provided below.

# **Questions and Responses**

# Question 1:

Who is responsible for the Fuel Canopy's lighting? The electrical works at the Canopy are not assigned, assuming that the Electrical prime is responsible, please confirm

**Response:** The canopy manufacturer is responsible for lighting. Refer to specification 131200 section 2.3.J. Refer to attached for further clarification.

**Question 2:** The Fuel Canopy Manufacture doesn't provide neither curb or it design, please provide the details of the Fuel Canopy's curb- not sure what they mean by fuel island curb- need to verify

**Response:** Curb to be 6" high and poured within a continuous stainless steel form. GC to coordinate with canopy manufacturer for canopy foundation requirements as part of the delegated design requirements.

**Question 3:** The GC is responsible for the Firestopping for all trades. Usually the each Prime Contractor is responsible for the own Firestopping, for the GC is impossible to know the extent the other trades firestopping works

**Response:** Firestopping to be provided by the GC for all trades as identified in the specifications. This will provide for a sound, consistent, and complete firestopping effort.

Question 4: The spec for the Fuel Canopy calls out for (4) columns, the site drawings shows only (3) columns

**Response:** Canopy to be provided with 3 columns as shown on the civil drawings. Refer to attached for further information.

**Question 5**: Specification 144500, 2.1 states Mohawk, Stertil Koni, and Rotary are acceptable manufacturers subject to compliance with requirements but some of the requirements appear to be specific to only Mohawk. Can you verify that Rotary is an acceptable equivalent manufacturer?

**Response:** Mohawk is the BOD. Rotary is acceptable.

**Question 6:** As per the sequence of operation in specs section 230993.11 - 7, it is mentioned that the BMS has no scope associated with unit heaters, infrared heaters, gas heaters, and cabinet unit heaters but as per the equipment specs sections 238239, it is mentioned that the units will be controlled by the BMS via wall-mounted sensor.

Also, the mechanical schedule M-601, mentions providing a standalone wall-mounted thermostat for heater control. Please let us know, whether we should consider the controls for these units in the controls scope or not?

**Response:** All heaters identified in specification 238239 to be controlled by standalone wall-mounted sensor and not integrated into the BMS. Refer to attached for further information.

**Question 7:** Q601 Equipment Schedule doesn't specify if #5703 or #5704 are to be owner or contractor furnished? Are these part of the alternate? Please advise

**Response:** Equipment 5703 and 5704 are to be contractor furnished and contractor installed. This is part of the alternate GC-2 as identified in specification 011000 section 1.8.B.2. Refer to attached for further information.

**Question 8:** Who is responsible for special inspections

Response: The owner will hire a third party special inspections company to perform the work required.

**Question 9:** Toilet rooms 157 and 161 call for B01 on the finish schedule and TL02 on the enlarged plans. Please clarify which base material is to be used.

**Response:** Toilet Rooms 157 and 161 should each have TL01 floors with a TL02 Base. Typical tile pattern 2/A-120 and Finish Selection Schedule have been updated accordingly. Reference Revised Drawing A-120

**Question 10:** 

Is finish FRP01 being used, if so, where?

### **Response:**

FRP01 will be used to line walls adjacent to janitor's sinks in rooms: JAN 108 (Area A), JAN 159 (Area B), JAN 202 (Area C). Place full sheet FRP on each adjacent wall surface with appropriate termination strips at inside corners and edges.

### **Question 11:**

Room 205's base is listed as B02 Epoxy. Should this be B01?

### **Response:**

Finish Floor and Base has been revised to ERT01 and B01 on sheet A-123

# **Question 12:**

Should 207A base is listed as B01 Rubber. Should this be B02?

### **Response:**

Yes, the base should be listed as B02.

### Question 13:

Room 203A on A123 calls for CON01 which is missing from the finish selection schedule? What is this finish?

# **Response:**

CON01 should read CONC, reference the finish schedule for sealed concrete.

# Question 14:

Finish ERT02 appears to be missing from the finish selection schedule/specs. Please clarify

### **Response:**

ERT02 is actually LVT02, floor plans and schedule have been revised to correct the error.

# Question 15:

The resinous flooring spec. appears to be incomplete. Please clarify.

# **Response:**

The first incomplete specification section 096723 titled simply "Resinous Flooring" was inadvertently included in the specification manual and should be OMITTED from the project manual.

# **Question 16:**

WC02 called for in 161 toilet but the enlarged plan shows tile/paint. Please clarify

# **Response:**

WC02 will only be installed in Circulation C200. For typical single occupancy toilet rooms, please use TL02 Wall Base with PT06 paint.

# Question 17:

Is LVT02 being used, if so, where?

### **Response:**

Break Room 201, this was part of the correction made for the 'ERT02 is actually LVT02' clarifications.

# Question 18:

Please provide a basis of design manufacturer for spec Section 102213, we cannot locate partitions that meet the specification

### **Response:**

Specification section 102213 for Wire Mesh Partitions has been updated to include 3 acceptable manufacturers and products.

### **Question 19:**

Please provide dimensional information on the wire mesh partitions, none is provided.

### **Response:**

The wire mesh partitions are approximately 8'-3" high, some manufacturer's standards may vary from that dimension but that is the design intent. Also, due to the shape of the space that the partition is being installed there will be the need to modify the top edge of some of the partition to follow the slope of the roof/ceiling above. This is evident in the current drawings on sheet A-404, detail 5. Some clarifications have been provided on sheets A-103 and A-104 to provide some additional dimensions.

# **Question 20:**

After a review of spec 104413 (FEC), the spec calls for full glass panel door with recessed pull: Please advise as to which option is preferred. Each of the listed manufacturers can provide something different, none exactly meet spec.

- Larsen cabinet is not available with full glass and recessed pull option vertical duo panel door with recessed handle
- JL Industries cabinet does not come in 2-1/2" projection option 3" trim projection with recessed handle.
- Guardian does not offer a recessed handle option (from what I was able to see on their website).

# **Response:**

The design intent is to have a semi-recessed fire extinguisher cabinet with a glass front. The projection difference of three inches or less is acceptable. The type of handle is not as important so long as the cabinet meet the overall intent: store the fire extinguisher in a semi-recessed cabinet in a standard depth wall with a glass front.

# **Question 21:**

Are sign types "F" or "L" going to be used on this project?

# **Response:**

There will be no sign type "F" in this project. Please include "L" in addition to "H" for DPW Offices 162, 163, 164, 165 and 166 (in Area C). The schedule will be changed to reflect this update.

### **Question 22:**

WC03- Vinyl Wall Covering- Custom Mural is shown on the finish selection schedule but is missing from the specs. Please clarify.

### **Response:**

Custom wall covering with printed image to be selected by owner during construction process. MDC Wallcovering, Wolf-Gordon and Koroseal offer digitally printed wallcovering products. The image has not been selected as of yet by Montgomery County and still needs to be sourced.

# **Question 23:**

CG01- Corner Guards are shown on the finish selection schedule but locations aren't noted on the drawings. Please advise.

### **Response:**

Provide corner guards on all outside corners located in Circulation C200, Area C. Additionally, locations have been marked on updated drawing A-123.

# **Question 24:**

I was unable to locate toilet accessories [3, 4B, 6] on the drawings. Are they being used, if so, where?

### **Response:**

"3" Wall Mounted Soap Dispenser – Will be mounted above the Stainless Steel Sinks in 208 HWY. Parking Garage and 210 Vehicle Repair Shop and with each Kitchenette in Break Rooms 109, 156, and 201.

"4B" 24" Grab Bar- Are required at the rear of the toilet in individual toilet rooms (Toilet 101A, 155A, 157, 161)

"6" Sanitary Napkin Disposal FND-SM – Will not be used in this project, please refer to 1B for Sanitary Disposal instead.

### **Question 25:**

Shower rod and curtains [8, 9] are listed on the schedule but aren't noted on the drawings. Should there be a set of each at 3 shower locations?

### **Response:**

Yes, please provide a pair of each at each shower. Drawings will be updated to match accordingly.

### **Question 26:**

The section B1/S-301 calls out for the wire mesh partitions to be braced out to the PEMB purlins. Does this detail applies to all mezzanine wire mesh partitions or only to this particular location? The wire mesh partitions are the free standing partitions, besides the architectural drawings don't show any partition bracing either.

### **Response:**

S-301 detail B1 has been provided in the case the manufacturer requires bracing during the design/shop drawing preparation of the final design. Due to inconsistencies between fabricators and products we cannot provide exact number and locations of bracing at this time.

### **Question 27:**

The spec section 102600 "Wall protection" and Finish Selection Schedule on A-120 is calling out for the Corner Guards, but the drawings do not show any.

a. The FRP panels are only in (3) Janitorial, correct?

### **Response:**

Yes, see responses included in this addendum.

# **Question 28:**

Specification 064116 Section 1.7.A states that the cabinet manufacturer must be licensed participant in the AWI Quality Certification program. Please confirm if this will be required as this drastically limits the number of bidders.

### **Response:**

We can waive this responsibility for AWI quality certification, it will not be required for the millwork on this project.

### **Question 29:**

Uniforms 205 elevation marker 4/A-403 shows glazed CMU above lockers. The opposite side of the wall is glazed CMU in Men's Locker 206. Will these CMU be glazed on both faces, or will the wall in Uniforms 205 be painted CMU to match painted surfaces of that room? Double faced glazed CMU's are not recommended because of the variance in total thickness of units.

# **Response:**

Glazed CMU used between the locker areas shall be one-sided with the glazed face towards the locker room 206 areas, and the plain face towards the Uniform 205 side.

### Question 30:

Specifications for brick size are not listed. Drawing elevations and details show different sizes. Both utility size and modular sizes are shown. Which is to be used on project?

### **Response:**

Standard Brick Sizes shall be used on this project (3-5/8" x 7-5/8" w/3 courses at 8 inches high)

# Question 31:

Which Glazed CMU color is being used in the Wash Bay 215? Or is the wall pattern on 3/A-120 being used there as well?

# **Response:**

There is no pattern on the walls in the Wash Bay 215 – color will be selected at time of submittal.

# Question 32:

Is there architectural precast at the brick column wraps shown on A-504 and A-505? If so will there be a specification for the material?

# **Response:**

Yes, the column surrounds made of brick shall have a two-piece precast concrete cap/cover. Section 034500 Architectural Precast Concrete specification has been added to the specifications manual. Joints seamed with backer rod and sealant.

# Question33:

Cold formed vs hot formed steel for pre engineered building?

- a. Person asking question said we call for hot formed, but this will be a problem or is unusual with this type of construction?
- b. Said hot formed may also be difficult to use with some type of software? Maybe for purchasing or selecting?

Response: Refer to attached Pre-Engineered Metal Building Note 5 on S-001

# Question 34:

The PEMB building drawings have the already predesigned hot rolled steel members. The design software used by the PEMB manufactures is not set up for a mix use of the cold formed and the pre-sized hot rolled steel members. The PEMB manufactures in their design prefer to incorporate the loads instead of the predesigned steel members. This could become a problem at the pre-sized exposed exterior columns; could for the exterior exposed columns the cold formed steel be used instead? The cold formed steel columns probably will not come rectangular or square.

Response: Refer to Pre-Engineered Metal Building Note 5 on S-001

### **Question 35:**

Sheet S-121 frame line "A" calls for HSS 4x4 columns yet they are to be designed by PEMB. Are these columns to be hot rolled HSS in a 4"x4" size or as determined by PEMB?

Response: Refer to Pre-Engineered Metal Building Note 5 on S-001

# Question 36:

Sheet S-121 calls for "W-Beams" as rafters. Are these to be hot-rolled "W-Sections" or built up welded rafters by PEMB & are sizes (depths) limited?

**Response:** Refer to Pre-Engineered Metal Building Note 5 on S-001

# Question 37:

We need loads imposed on columns A/5.6 & A/5.1 for the Low HSS 10"x4" brick support beam

**Response:** Loads are provided. Refer to attached.

# Question 38:

Is the HSS "lintel" brick support along with the clips and plates all designed by PEMB and if so, should these details shown on S-302 be followed?

Response: Follow Details on S-302. Refer to Pre-Engineered Metal Building Note 5 on S-001

### Question 39:

What are the loads imposed on the HSS brick lintel above?

**Response:** Loads are provided. Refer to attached.

### **Question 40:**

What are the loads imposed on the HSS columns and the roof structure above that support the W14x33 which supports the folding partition?

**Response:** Columns are supported by concrete slab on grade. Connection to roof structure is for lateral stability only. Lateral loads are provided. Refer to attached.

### Question 41:

Are HSS post required for framing of the clearstory roofing as shown on A1/S-302 or size & shape determined by PEMB

**Response:** Refer to note 2 in column schedule and to Pre-Engineered Metal Building Note 5 on S-001. Columns included in column schedule that do not support mezzanines may be substituted with a built-up member of the same shape and dimensions as the HSS indicated. Design is by PEMB.

### **Question 42:**

Are the W10x30 and W12x35 as shown on Mezzanine Plan D4/S-123 to be provided by PEMB and design of all the connections by PEMB? Are the beam sizes to be verified/designed by PEMB?

**Response:** Provide beam and column framing sizes indicated for mezzanines. Design of mezzanines is not by PEMB. Mezzanine beam reactions on PEMB are provided in the documents. Refer to Pre-Engineered Metal Building Note 5 on S-001 for connection design.

### Question 43:

Portal frame (braces) shown partially above the rigid frame (with-in the roof purlin space) on building section A1/S-301. Is that the intent or bracing designed by PEMB?

**Response:** Portal frame and building bracing is designed by PEMB. See documents for locations of portal frames and bracing.

### **Question 44:**

The portal frame notes a maximum depth of 16" but the height (top of frame) is not noted. What is the required clearance under the portal frame?

**Response:** See notes on A1/S-301 for top of steel and beam depth requirements. Refer to architectural details for required clearances.

### **Question 45:**

What is the detail or section of the "roof overbuild" as noted on sheet S-123?

**Response:** No specific detail requirements. Detail to be determined by PEMB.

### **Question 46:**

Are the HSS columns shown on C3/S-302 designed and supplied by PEMB?

**Response:** Provide beam and column framing sizes indicated for mezzanines. Design of mezzanines is not by PEMB. Refer to column schedule for sizes and to Pre-Engineered Metal Building Note 5 on S-001.

# Question 47:

What is the loads on the HSS 10x4x1/4" at the clearstory lights shown on section A1/S-302?

**Response:** Design by PEMB. Refer to attached.

### **Question 48:**

What are the loads imposed in details D5/S-302?

**Response:** Loads are provided. Refer to attached.

### Question 49:

What are the loads applied in detail C5/S302?

**Response:** Loads are provided. Refer to A1/S-302 attached.

### **Question 50:**

What are the loads applied in detail C6/S-302?

**Response:** Loads are provided. Refer to A1/S-302 attached.

# Question 51:

Is it the intent for the PEMB to use hot rolled columns in sizes as shown on the column schedule shown on sheet S-510?

**Response:** Refer to note 2 in column schedule and to Pre-Engineered Metal Building Note 5 on S-001. Columns included in column schedule that do not support mezzanines may be substituted with a built-up member of the same shape and dimensions as the HSS indicated. Design is by PEMB.

# **Question 52:**

What are the loads imposed on the roof structure as shown on details on sheet S-510?

**Response:** Loads are provided. Refer to attached.

# Question 53:

What are the loads (wind etc.) imposed on the roof structure from the exterior walls from "B" through "E" 2' in from line "2".

**Response:** Refer to sheet S-001 for components and cladding wind loads.

### Question 54:

Is there additional dead loads on the structure other than the point loads shown for mechanical equipment?

**Response:** Refer to sheet S-001 for roof load requirements.

### Question 55:

Are the loads and deflections as listed to be maintained or is the design by PEMB?

Response: All design requirements for loads and deflections in the documents shall be followed.

### **Question 56:**

The section B1/S-301 calls out for the wiremesh partitions to be braced out to the PEMB purlins. Does this detail applies to all mezzanine wiremesh partitions or only to this particular location? The wire mesh partitions are the free standing partitions, besides the architectural drawings don't show any partition bracing either.

**Response:** Brace top of wiremesh partitions at all mezzanines as shown in documents. See A5/S-302 and B1/S-301.

Question 57:

Per the item 1.6B of the spec Section 001113 "Advertisement for Bids" duration of the project is 480 days, per the spec Section 004116 "Bid Form"- item 1.4A- 420 days.

**Response:** 480 days. Refer to attached.

# **ADDENDUM NO. 1**

# September 4, 2020

# **Montgomery County Shared Services Facility**

This addendum is hereby included in and made a part of the Contract. All requirements of the original Bid Documents shall remain in force except as noted by this addendum.

The purpose of this addendum provided by LiRo Engineers, Inc. is to provide bidders with information on the following items:

Item # 1 Drawing Referenced : Specification Reference : 001113

**MODIFY:** Section 1.1E to read:

E. Construction Contract: Bids will be received for the following Work:

- 1. General Contract (all trades).
- 2. Multiple Contract Project consisting of the following prime contracts:
  - a. General Building Construction.
  - b. Plumbing Construction.
  - c. Mechanical Construction.
  - d. Electrical Construction.

Item # 2 Drawing Referenced : Specification Reference : 131200

**MODIFY:** Section 2.3.J to read:

J. Canopy Lights: Canopy lights shall be LSI Industries Inc., Encore Series Model # EC S 320 PSMV F MT BRZ or approved equal. Lights shall be provided by canopy manufacturer. Canopy manufacturer to pre wire and provide all required wiring and conduit. All wiring to terminate at a exterior water tight junction box for a single point power connection.

# **MODIFY**: Section 2.3.A to read:

A. General: Provide a complete, integrated set of manufacturer's canopy components, to form a preengineered canopy, ready for construction on project site. Design to be three-columns as shown on Drawings. Pre-engineered metal canopy will be designed to meet all applicable site structural wind, snow and seismic requirements. Calculations shall show adequate capacity of stacked members to resist overturning about their flanges Specification Reference :

**MODIFY:** Equipment schedule- all items that are listed to relocated from the existing facility are to be owner furnished contractor installed. Modify the last column to be OF/CI and not OF/OI

MODIFY: Equipment schedule- Item 5703 and 5704 to be CF/CI and part of alternate GC-2

Item # 3 Drawing Referenced : Specification Reference : 238239

**MODIFY**: section 2.1.E to read:

- E. Controls
  - 1. Controls shall include a single-stage gas valve; direct spark multi-try ignition with electronic fame supervision with timed lockout integrally controlled via a printed circuit control board. The control board shall also incorporate diagnostic lights, a relay for fan only operation. All units shall be equipped with a safety limit switch. All controls shall be enclosed in the unit housing.
  - 2. Unit to be controlled via stand-alone wall mounted sensor.

MODIFY: section 2.2.C to read

- F. Controls
  - 1. Unit to be controlled via stand-alone wall mounted sensor.

# MODIFY: section 2.3.C to read

C. Controls 1. Unit to be controlled via stand-alone wall mounted sensor.

# **MODIFY**: section 2.4.G to read

- D. Controls
  - 1. Unit to be controlled via stand-alone wall mounted sensor.

### MODIFY: section 2.5.G to read

- E. Controls
  - 1. Unit to be controlled via stand-alone wall mounted sensor.

Item # 4

Drawing Referenced : A103, A104, A120, A121, A122, A123, A400, A401, A403, A700, S001, S121, S302, S510 Specification Reference :

**REPLACE:** Replace the referenced drawings with the attached.

Item # 5 Drawing Referenced : Specification Reference : 034500, 097723, 102213

**REPLACE:** Referenced specifications with the attached

Item # 6 Drawing Referenced : Specification Reference : 096723

**REMOVE:** Reference specification

Item # 7 Drawing Referenced : Specification Reference : 004116- Bid Form All trades

MODIFY: Section 1.4.A to read "....shall fully complete the work within 480 calendar days"

Item # 8 Drawing Referenced : Specification Reference : 001113

### **MODIFY: 1.2.A to read:**

- A. Owner will receive sealed lump sum bids until the bid time and date at the location given below. Owner will consider bids prepared in compliance with the Instructions to Bidders issued by Owner, and delivered as follows:
  - 1. Bid Date: September 25.
  - 2. Bid Time: 2:00 p.m., local time.
  - 3. Location: Montgomery County Business Development Center Conference Room, 2<sup>nd</sup> floor, 9 Park Street, Fonda, NY 12068
- B. Bids will be thereafter publicly opened and read aloud.

# DOCUMENT 002213 - SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

### 1.1 INSTRUCTIONS TO BIDDERS

- A. Instructions to Bidders for Project consist of the following:
  - 1. AIA Document A701, "Instructions to Bidders.
  - 2. The following Supplementary Instructions to Bidders that modify and add to the requirements of the Instructions to Bidders.

### 1.2 MINORITY AND WOMEN PARTICIPATION

- A. Montgomery County will finance this project using grant funding provided by the NYS Department of Environmental Conservation ("DEC") and DEC's Non-Discrimination and Contract and Supplier Diversity policies will apply. All bidders will be required to comply with the provisions of New York State Executive Law, Article 15-A and the rules and regulations set forth in 5 NYCRR §142-144. These polices are intended to promote and encourage participation by New York State certified Minority- and Women-owned Business ("MWBE") in state contracting opportunities.
- B. Bidders must document "good faith efforts" to provide meaningful participation by MWBEs as subcontractors and/or suppliers in the performance of this project. All bidders should reference the directory of New York State Certified M/WBE's at the following website: http://ny.newnycontracts.com/
- C. For purposes of this procurement there is an overall goal of 20% for Minority and Women Owned Business/Enterprises (MWBE) participation.
- D. To comply with your contract and the applicable regulations, your company will be required to prepare, maintain and submit the following documentation and forms( see Section 006000) on a regular and timely basis. All required documentation must be submitted to Alex Kuttesch, Montgomery County Senior Planner.

### E. Consultant/Contractor Detailed M/WBE-EEO Utilization Plan.

This form is to be included with your bid documents for process with NYSDEC. Contractor agrees to use such MWBE Utilization Plan for the performance of MWBEs on the Contract pursuant to the prescribed MWBE goals set forth above.

Contractor further agrees that a failure to submit and/or use such MWBE Utilization Plan shall constitute a material breach of the terms of the Contract.

### F. Quarterly MWBE Contractor Compliance Report

Contractor is required to submit a Quarterly MWBE Contractor Compliance Report Form to the Montgomery County Business Development Center by the 5<sup>th</sup> day following each end of quarter over the term of the Contract documenting the progress made towards achievement of the MWBE goals of the Contract.

### 1.3 EQUAL EMPLOYMENT OPPORTUNITY

A. This institution is an equal opportunity provider, and employer. To file a complaint of discrimination, write: USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD)" The Contractor will be required to comply with all applicable Equal Employment Opportunity Laws and Regulations. Disadvantaged Business Enterprises

will be afforded full opportunity to submit proposals in response to this Request for Proposals and will not be subjected to discrimination on the basis of race, color, sex, or national origin in consideration for an award.

### 1.4 PREVAILING WAGE RATES

A. Labor must be in accordance with NYS Labor Laws and current Montgomery County Prevailing Rates( see Section 006000)

### 1.5 SUPPLEMENTARY INSTRUCTIONS TO BIDDERS, GENERAL

A. The following supplements modify AIA Document A701, "Instructions to Bidders." Where a portion of the Instructions to Bidders is modified or deleted by these Supplementary Instructions to Bidders, unaltered portions of the Instructions to Bidders shall remain in effect.

### 1.6 ARTICLE 2 - BIDDER'S REPRESENTATIONS

- A. Add Section 2.1.3.1:
  - 1. 2.1.3.1 The Bidder has investigated all required fees, permits, and regulatory requirements of authorities having jurisdiction and has properly included in the submitted bid the cost of such fees, permits, and requirements not otherwise indicated as provided by Owner.
- B. Add Section 2.1.5:
  - 1. 2.1.5 The Bidder is a properly licensed Contractor according to the laws and regulations of New York State and Montgomery County and meets qualifications indicated in the Procurement and Contracting Documents.

### 1.7 ARTICLE 3 - BIDDING DOCUMENTS

- A. 3.2 Interpretation or Correction of Procurement and Contracting Documents:
  - 1. Add Section 3.2.2.1:
    - a. 3.2.2.1 Submit Bidder's Requests for Interpretation using form bound in the Project Manual
- B. 3.4 Addenda:
  - 1. Delete Section 3.4.3 and replace with the following:
    - a. 3.4.3 Addenda may be issued at any time prior to the receipt of bids.
  - 2. Add Section 3.4.4.1:
    - a. 3.4.4.1 Owner may elect to waive the requirement for acknowledging receipt of 3.4.4 Addenda as follows:
      - 1) 3.4.4.1.1 Information received as part of the Bid indicates that the Bid, as submitted, reflects modifications to the Procurement and Contracting Documents included in an unacknowledged Addendum.

2) 3.4.4.1.2 - Modifications to the Procurement and Contracting Documents in an unacknowledged Addendum do not, in the opinion of Owner, affect the Contract Sum or Contract Time.

# 1.8 ARTICLE 4 - BIDDING PROCEDURES

- A. 4.1 Preparation of Bids:
  - 1. Add Section 4.1.1.1:
    - a. 4.1.1.1 Printable electronic Bid Forms and related documents are available from Architect
  - 2. Add Section 4.1.9:
    - a. 4.1.9 Owner may elect to disqualify a bid due to failure to submit a bid in the form requested, failure to bid requested alternates or unit prices, failure to complete entries in all blanks in the Bid Form, or inclusion by the Bidder of any alternates, conditions, limitations or provisions not called for.
  - 3. Add Section 4.1.10:
    - a. 4.1.10 Bids shall include sales and use taxes. Contractors shall show separately with each monthly payment application the sales and use taxes paid by them and their subcontractors in the form indicated. Reimbursement of sales and use taxes, if any, shall be applied for by Owner for the sole benefit of Owner.
- B. 4.3 Submission of Bids:
  - 1. Add Section 4.3.1.2:
    - a. 4.3.1.2 Include Bidder's Contractor License Number applicable in Project jurisdiction on the face of the sealed bid envelope.
- C. 4.4 Modification or Withdrawal of Bids:
  - 1. Add the following sections to 4.4.2:
    - a. 4.4.2.1 Such modifications to or withdrawal of a bid may only be made by persons authorized to act on behalf of the Bidder. Authorized persons are those so identified in the Bidder's corporate bylaws, specifically empowered by the Bidder's charter or similar legally binding document acceptable to Owner, or by a power of attorney, signed and dated, describing the scope and limitations of the power of attorney. Make such documentation available to Owner at the time of seeking modifications or withdrawal of the Bid.
    - b. 4.4.2.2 Owner will consider modifications to a bid written on the sealed bid envelope by authorized persons when such modifications comply with the following: the modification is indicated by a percent or stated amount to be added to or deducted from the Bid; the amount of the Bid itself is not made known by the modification; a signature of the authorized person, along with the time and date of the modification, accompanies the modification. Completion of an unsealed bid form, awaiting final figures from the Bidder, does not require power of attorney due to the evidenced authorization of the Bidder implied by the circumstance of the completion and delivery of the Bid.
- D. 4.5 Break-Out Pricing Bid Supplement:

- 1. Add Section 4.5:
  - a. 4.5 Provide detailed cost breakdowns on forms provided no later than two business days following Architect's request.
- E. 4.6 Subcontractors, Suppliers, and Manufacturers List Bid Supplement:
  - 1. Add Section 4.6:
    - a. 4.6 Provide list of major subcontractors, suppliers, and manufacturers furnishing or installing products no later than two business days following Architect's request. Include those subcontractors, suppliers, and manufacturers providing work totaling three percent or more of the Bid amount. Do not change subcontractors, suppliers, and manufacturers from those submitted without approval of Architect.
  - 2. Add Section 4.7:

# 1.9 ARTICLE 5 - CONSIDERATION OF BIDS

- A. 5.2 Rejection of Bids:
  - 1. Add Section 5.2.1:
    - a. 5.2.1 Owner reserves the right to reject a bid based on Owner's and Architect's evaluation of qualification information submitted following opening of bids. Owner's evaluation of the Bidder's qualifications will include: status of licensure and record of compliance with licensing requirements, record of quality of completed work, record of Project completion and ability to complete, record of financial management including financial resources available to complete Project and record of timely payment of obligations, record of Project site management including compliance with requirements of authorities having jurisdiction, record of and number of current claims and disputes and the status of their resolution, and qualifications of the Bidder's proposed Project staff and proposed subcontractors.

### 1.10 ARTICLE 6 - POSTBID INFORMATION

- A. 6.1 Contractor's Qualification Statement:
  - 1. Add Section 6.1.1:
    - a. 6.1.1 Submit Contractor's Qualification Statement no later than two business days following Architect's request.
- B. 6.2 Submittals:
  - 1. Add Section 6.3.1.4:
    - a. 6.3.1.4 Submit information requested in Sections 6.3.1.1, 6.3.1.2, and 6.3.1.3 no later than two business days following Architect's request.
- C. 6.3 Right to Refusal
  - 1. Montgomery County reserves the right to reject any and all bids for any reason.

D. Montgomery County will award contracts to the successful bidders provided all criteria are met and successful resolution by the County Legislature and NYS DEC approvals(approx. 30-60days post bid).

### 1.11 ARTICLE 7 - PERFORMANCE BOND AND PAYMENT BOND

- A. 7.1 Bond Requirements:
  - 1. Add Section 7.1.1.1:
    - a. 7.1.1.1 Both a Performance Bond and a Payment Bond will be required, each in an amount equal to 100 percent of the Contract Sum.
- B. 7.2 Time of Delivery and Form of Bonds:
  - 1. Delete the first sentence of Section 7.2.1 and insert the following:
    - a. The Bidder shall deliver the required bonds to Owner no later than 10 days after the date of Notice of Intent to Award and no later than the date of execution of the Contract, whichever occurs first. Owner may deem the failure of the Bidder to deliver required bonds within the period of time allowed a default.
  - 2. Delete Section 7.2.3 and insert the following:
    - a. 7.2.3 Bonds shall be executed and be in force on the date of the execution of the Contract.

# 1.12 ARTICLE 9 - EXECUTION OF THE CONTRACT

### A. Add Article 9.1: INSURANCE REQUIREMENTS

- 1. 9.1.1 Subsequent to the Notice of Intent to Award, and within 10 days after the prescribed Form of Agreement is presented to the Awardee for signature, the Awardee shall execute and deliver the Agreement to Owner through Architect.
- 2. 9.1.2 Owner may deem as a default the failure of the Awardee to execute the Contract and to supply the required bonds when the Agreement is presented for signature within the period of time allowed.
- 3. 9.1.3 Unless otherwise indicated in the Procurement and Contracting Documents or the executed Agreement, the date of commencement of the Work shall be the date of the executed Agreement. The official Notice to Proceed will be given within 10 business days of the signed agreements.
- 4. 9.1.4 In the event of a default, Owner may declare the amount of the Bid security forfeited and elect to either award the Contract to the next responsible bidder or re-advertise for bids.

9.1.5 – Montgomery County must be added as an additional insured with a waiver of subrogation on insurance policies. The Contractor shall have in effect, and shall provide certificates of insurance to evidence same, the following insurance policies and coverages: a. Workers compensation insurance as required by law and including employer's liability insurance in the amount of at least One Million Dollars (\$1,000,000) per occurrence/Two Million Dollars (\$2,000,000) aggregate and disability benefits insurance as may be required by law.

b. Commercial general liability and contractual liability on an occurrence basis with the following limits of coverage: bodily injury, property damage and personal injury, one million dollars (\$1,000,000) each occurrence/two million dollars (\$2,000,000) general aggregate and Five Million Dollars (\$5,000,000.0) of Excess insurance.

c. Vehicle liability including owned, non-owned and hired vehicles and all other vehicles with the following limits of coverage: one million dollars (\$1,000,000) each occurrence and Two Hundred Fifty Thousand Dollars (\$250,000.00) property damage liability and \$5,000,000.00 Excess insurance.

d. All certificates of insurance are to provide that the insurance evidenced by the certificate shall not be cancelled or materially altered except after thirty (30) day's prior written notice to Montgomery County.

e. Montgomery County and the commissioners, officers, agents and employees of each such entity, shall be named as additional insureds on all required insurance policies. f. All policies are to be written by insurance companies authorized to do business in the State of New York and which are acceptable to Montgomery County.

- B. Add Article 9.2 Additional NYS Contract requirements are indicated herein as project is in part funded by NYS DEC
  - **1.** Subcontractors:
    - a. If the Contractor enters into subcontracts for the performance of work pursuant to the Master Contract, the Contractor shall take full responsibility for the acts and omissions of its subcontractors. Nothing in the subcontract shall impair the rights of the State under the Master Contract. No contractual relationship shall be deemed to exist between the subcontractor and the State.
    - b. If requested by the State, the Contractor agrees not to enter into any subcontracts, or revisions to subcontracts, that are in excess of \$100,000 for the performance of the obligations contained herein until it has received the prior written permission of the State, which shall have the right to review and approve each and every subcontract in excess of \$100,000 prior to giving written permission to the Contractor to enter into the subcontract. All agreements between the Contractor and subcontractors shall be by written contract, signed by individuals authorized to bind the parties. All such subcontracts shall contain provisions for specifying (1) that the work performed by the subcontractor must be in accordance with the terms of the Master Contract, (2) that nothing contained in the subcontract shall impair the rights of the State under the Master Contract, and (3) that nothing contained in the subcontract, nor under the Master Contract, shall be deemed to create any contractual relationship between the subcontractor and the State. In addition, subcontracts shall contain any other provisions which are required to be included in subcontracts pursuant to the terms herein.
    - c. If requested by the State, prior to executing a subcontract, the Contractor agrees to require the subcontractor to provide to the State the information the State needs to determine whether a proposed subcontractor is a responsible vendor.
    - d. If requested by the State, when a subcontract equals or exceeds \$100,000, the subcontractor shall submit a Vendor Responsibility Questionnaire (Questionnaire).
    - e. If requested by the State, upon the execution of a subcontract, the Contractor shall provide detailed subcontract information (a copy of subcontract will suffice) to the State within fifteen
      (15) calendar days after execution. The State may request from the Contractor copies of subcontracts between a subcontractor and its subcontractor.
  - f. The Contractor shall require any and all subcontractors to submit to the Contractor all financial claims for Services or work to the State agency, as applicable, rendered and required supporting documentation and reports as necessary to permit Contractor to meet claim deadlines and documentation requirements as established in Attachment D (Payment and Reporting Schedule) and Section III. Subcontractors shall be paid by the Contractor on a timely basis after submitting the required reports and vouchers for reimbursement of services or work, as applicable. Subcontractors shall be informed by the Contractor of the possibility of non-payment or rejection

by the Contractor of claims that do not contain the required information, and/or are not received by the Contractor by said due date.

### Equal Opportunities for Minorities and Women; Minority and Women Owned Business Enterprises:

In accordance with Section 312 of the Executive Law and 5 NYCRR 143, if the Master Contract is: (i) a written agreement or purchase order instrument, providing for a total expenditure in excess of \$25,000.00, whereby a contracting State Agency is committed to expend or does expend funds in return for labor, services, supplies, equipment, materials or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting State Agency; or (ii) a written agreement in excess of \$100,000.00 whereby a contracting State Agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; or (iii) a written agreement in excess of

\$100,000.00 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project, then the Contractor certifies and affirms that (i) it is subject to Article 15-A of the Executive Law which includes, but is not limited to, those provisions concerning the maximizing of opportunities for the participation of minority and women- owned business enterprises and (ii) the following provisions shall apply and it is Contractor's equal employment opportunity policy that:

- g. The Contractor shall not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status;
- h. The Contractor shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on State contracts;
- i. The Contractor shall undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination. Affirmative action shall mean recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff, or termination and rates of pay or other forms of compensation;
- j. At the request of the State, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union or representative shall not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative shall affirmatively cooperate in the implementation of the Contractor's obligations herein; and
- k. The Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the State contract, all qualified applicants shall be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.

The Contractor shall include the provisions of subclauses 1-5 of this Section (IV)(J), in every subcontract over \$25,000.00 for the construction, demolition, replacement, major repair, renovation, planning or design of real property and improvements thereon (Work) except where the Work is for the beneficial use of the Contractor. Section 312 of the Executive Law does not apply to: (i) work, goods or services unrelated to the Master Contract; or (ii) employment outside New York State. The State shall consider compliance by the Contractor or a subcontractor with the requirements of any Federal law concerning equal employment opportunity which effectuates the purpose of this section. The State shall determine whether the imposition of the requirements of the provisions hereof duplicate or conflict with any such Federal law and if such duplication or conflict exists, the State shall waive the applicability of Section 312 of the Executive Law to the extent of such duplication or conflict. The Contractor shall comply with all duly promulgated and lawful rules and regulations of the Department of Economic Development's Division of Minority and Women's Business Development pertaining hereto.

### **Climate Smart Communities Specific Terms and Conditions**

### I. Local Share Requirements

For all Climate Smart Communities Projects, including Climate Protection Implementation Projects and Climate Smart Communities Certification Projects, the Department share will not exceed fifty percent (50%) of the approved project costs, up to the Contract Funding Amount identified on the Face Page, and the Contractor must provide fifty percent (50%) of required eligible share with eligible costs not paid with state grant funds nor federal funds. This percentage will be specified in the Attachment B-1 (Expenditure Budget).

#### II. Construction

(a) The Contractor agrees to proceed expeditiously with the Project and shall complete the Project in accordance with the performance measures set forth in Attachment C (Work Plan) or any amendments to such Work Plan which are approved by the Department in writing.

(b) The Contractor agrees that it shall notify the Department in writing thirty (30) calendar days prior to the start of construction or, if the start of construction began on or after May 1, 2017, upon approval of the Contract the Contractor shall notify the Department in writing within thirty (30) calendar days as to the status of any construction.

(c) The Contractor agrees that it shall notify the Department in writing thirty (30) days following initial start-up operation of the Project.

(d) The Contractor agrees that it shall cause the Project to be designed and constructed in accordance with the engineering report or facilities plan, and if applicable to the project, the plans and specifications for the Project shall be stamped with the seal of a licensed professional engineer and shall be signed with the personal signature of such engineer in compliance

with Education Law §7209(1) and (2), and which have been delivered to and approved by the Department, as well as any amendments thereto.

(e) The Contractor agrees that it shall permit the Department to participate in all its meetings and conferences with respect to the Project. Upon request from the Department, the Contractor must submit to the Department reports, documents, data, contractual documents, administrative records, and other information pertinent to the Project.

(f) The Contractor agrees to permit representatives of the Department to have unrestricted access to the Project at all reasonable times, and all contracts of the Contractor for construction or operation of all or a portion of the Project shall contain provisions that permit such access to the Project or work relating to the Project, wherever it is in preparation or progress, and that contractors or subcontractors shall provide proper facilities for such access and inspection and shall permit extracts and copies of Project records to be made by the representatives of the Department.

#### III. Engineering Certification/As-built Plans

Within sixty (60) calendar days after the end of the Contract Term, or upon final completion of the Project, the Contractor agrees that it will deliver the following to the Department:

(a) A certification stating that all portions of the Project funded by this award have been completed in accordance with this Contract, and constructed per the approved plans and specifications, and any approved amendments thereto.

(b) The certified "as built" plans and specifications for the Project. Any work not in accordance with the approved plans and specifications shall be remedied, unless such non-compliance is agreed to be waived by the Department.

(c) The Contractor shall retain all as-built plans and specifications for the Project for the useful life of the Project.

### IV. Useful Life of Project

The Contractor agrees that it is fully responsible for ensuring the proper and efficient monitoring, operation and maintenance of the Project satisfactory to the Department, including, but not limited, to retaining a sufficient number of qualified staff and ensuring performance of required tests and requirements. After completion of the Project, the Contractor shall, for a period of thirty (30) years unless another period of time is specified in the attached Work Plan (the useful life of the Project as provided in the State Finance Law §61]), operate the Project or otherwise cause the Project to be operated properly in a sound and economical manner and shall maintain, preserve and keep the Project, or cause the Project to be maintained, preserved and kept, in good repair, working order and condition and shall make, or cause to be made, all necessary and proper repairs, replacements and renewals from time to time, so that at all times the Project may be operated properly in a manner consistent with the Project performance standards contained in the engi-

neering report of facilities plan for the Project, with this Contract and with the requirements of any related permit or other governmental approval of the Project.

#### V. Notifications

The Department's authorized representative for the implementation of this Contract and for approval, direction, and receipt of all Project reports called for in this Contract is identified below. Whenever it is provided in this Contract that notice must be given or other communications sent to the Department, the notices or communications must be in writing and delivered or sent to the Department's authorized representative at:

Address: Office of Climate Change New York State Department of Environmental Conservation 625 Broadway – 9th Floor Albany, New York, 12233-1030 Tel. No.: (518) 402-8448

A copy of all legal notices shall be sent to: General Counsel New York State Department of Environmental Conservation 625 Broadway - 14th Floor Albany, New York, 12233-1500 The Contractor's authorized representative for the implementation of this Contract is the person authorized in the

Resolution of Support for the contract submitted by the Contractor. Notices or communications regarding this Contract should be in writing and delivered or sent to the Contractor's authorized representative at the address identified on the Face Page, with copies sent to the Contractor's contract administrator as identified in the contract application. Notices delivered or sent shall be deemed for all purposes as notice to all persons who are Parties to this Contract as Department or Contractor.

#### VI. Eligible Costs

The contract start date for all contracts awarded through this request for application will be March 15, 2019. Only those eligible project related costs incurred on or after March 15, 2019 will be eligible for reimbursement of grant funding. Payments will not be approved or processed by the Department until a MCG is fully approved by the Department and, as applicable, the Attorney General and the State Comptroller, and work has been completed under the state contract. Advance payments are not authorized as part of the Climate Smart Communities Program.

### VII. Climate Smart Communities Program Requirements

(a) If the Contractor is not already a registered Climate Smart Community, the Contractor shall take the Climate Smart Communities Pledge within the term of this Contract.

(b) For climate mitigation projects, including the Clean Transportation and/or Reduction and Recycling of Food Waste categories, the grant recipient shall provide estimates of emissions reduction in the final project report as required by the Department.

(c) For certification actions funded in the Climate Smart Communities Certification Project category, the grant recipient shall adhere to the relevant requirements and standards described in the Climate Smart Communities Certification Portal available at <a href="https://www.ClimateSmart.ny.gov">https://www.ClimateSmart.ny.gov</a>.

(d) Work plans for certification actions funded in the climate smart communities Certification Project category must include a submittal of documentation required for certification approval through the Climate Smart Communities Certification Portal at <a href="https://www.ClimateSmart.ny.gov">https://www.ClimateSmart.ny.gov</a>.

(e) If the grant recipient develops, improves, restores or rehabilitates real property that is not owned by the Contractor as part of the work of this Contract, the Contractor shall obtain a climate change mitigation easement from the owner of the real property. Climate change mitigation easements shall be enforced as conservation easements are enforced in ECL section 49-0305.

(f) Construction projects require the installation of an Environmental Protection Fund funding acknowledgement sign. An approved sign design will be provided to the grantee upon full execution of the contract.

(g) Press releases, documents, and other printed materials require the following acknowledgement statement to be printed on the materials "This project has been funded in part by the NYS Department of Environmental Conservation's Climate Smart Communities Grant Program."

(h) Per 6 NYCRR Part 492, Climate Smart Communities Projects, a retainage of 5% will be withheld from each payment request. The retainage is held in case a project is not completed or all required match is not provided by the grantee. All accumulated retainage will be added to the final payment request upon project completion and match fulfillment.

### VIII. Lead Applicant Self-Certification

For projects that involve more than one municipality or partner, the lead applicant must certify that an agreement or a signed commitment exists between the Lead Applicant and each participating partner stating the participating partner's commitment and willingness to deliver each output attributed to them in the contract work plan.

#### IX. Project Insurance Considerations

The Contractor agrees to procure and maintain at its own expense and without expense to the Department until final acceptance by the Department of the services covered by this Contract, insurance of the kinds and amounts as determined by the Department and based upon the project work plan. The insurance policies should be provided by insurance companies licensed to do business in the State of New York. Any delay or time lost as a result of the Contractor not having insurance required by the Contract shall not give rise to a delay claim or any other claim against the Department. Upon execution of this Contract, the Contractor shall furnish to the Department a certificate, satisfactory to the Department, showing that it has complied with this Article. Upon execution of this contract the contractor shall furnish to the department, showing that it has complied with this Article. The insurance documentation shall provide that:

Liability and protective liability insurance policies shall provide primary and non-contributory coverage to the NYS Department of Environmental Conservation for any claims arising from the Contractor's Work under this contract, or as a result of Contractor's activities. The State of New York, NYS Department of Environmental Conservation, its officers, agents and employees, 625 Broadway Albany, New York 12233-1030 shall be listed as Certificate Holder on all liability insurance certificate(s), as additional insureds on endorsements(s) and on additional supporting documentation.

The policies shall include a waiver of subrogation endorsement in favor of the Department as an additional insured. The endorsement shall be on ISO Form Number CG 24 04 or a similar form with same modification to the policy.

Policies shall not be changed or canceled until thirty (30) days prior written notice has been given to the Department; as evidenced by an endorsement or declarations page.

Insurance documentation shall disclose any deductible, self-insured retention, aggregate limit or any exclusion to the policy that materially changes the coverage required by the Contract.

Endorsements in writing must be added to and made part of the insurance contract for the purpose of changing the original terms to reflect the revisions and additions as described. A copy of these endorsements must be provided to the Department within a reasonable amount of time.

Applicable insurance policy number(s) reference on the ACORD form must be referenced in the supporting

documentation requested by the Department and supplied by the insurance company (e.g. endorsement page, declarations page, etc.).

This Contract shall be void and of no effect unless the Contractor procures the required insurance policies and maintains them until completion of the work or acceptance by the Department, whichever event is later.

The kinds and amounts of insurance required are as follows:

A. Workers' Compensation coverage must be provided for work to be performed in New York State. The Contractor shall provide and maintain full New York State coverage during the life of this contract for the benefit of such employees as are required to be covered by the New York State Workers' Compensation Law.

Evidence of Workers' Compensation and Employers Liability coverage must be provided on one of the following forms specified by the Chairman of the New York State Workers' Compensation Board:

FORM #	FORM TITLE
C-105.2	Certificate of Workers' Compensation Insurance
U-26.3	State Insurance Fund Version of the C-105.2 form
SI-12/GSI-105.2	Certificate of Workers' Compensation Self-Insurance
CE-200	Certificate of Attestation of Exemption – (no employ-
	ees)

B. Disability Benefits coverage must be provided for work to be performed in New York State. The Contractor shall provide and maintain coverage during the life of the contract for the benefit of such employees as are required to be covered by the New York State Disability Benefits Law. Any waiver of this requirement must be approved by the Department of Environmental Conservation and will only be granted in unique or unusual circumstances.

Evidence of Disability Benefits coverage must be provided on one of the following forms specified by the Chairman of the New York State Workers' Compensation Board:

FORM #	FORM TITLE
DB-120.1	Certificate of Disability Benefit Insurance
DB-155	Certificate of Disability Benefit Self-Insurance
CE-200	Certificate of Attestation of Exemption – (no employees)

An ACORD form is NOT an acceptable proof of Workers' Compensation coverage. **ALL OF THE ABOVE REFERENCED FORMS, EXCEPT CE-200, SI-12 & DB-155 MUST NAME** The State of New York and The New York State Department of Environmental Conservation, Office of Climate Change, 625 Broadway, Albany, NY 12233-1030 as the Entity Requesting Proof of Coverage.

Additional information can be obtained at the Worker's Compensation website: http://www.wcb.ny.gov/content/main/Employers/Employers.jsp

Upon review of the scope of work outlined in the Grant Application by the Department, the following types of liability insurance may be required:

C. Commercial General Liability Insurance with a limit of not less than \$2,000,000 each occurrence, and \$5,000,000 General aggregate. Such insurance shall cover liability arising from premises operations, independent contractors, products-completed operations, broad form property damage, personal and advertising injury, cross liability assumed in a contract (including tort liability of another assumed in a contract). Limits may be provided through a

combination of primary and umbrella/excess liability policies. The CGL aggregate shall be endorsed to apply on a per project basis for construction contracts.

D. Business Automobile Liability with a limit of not less than \$1,000,000 each accident. Such insurance shall cover liability arising out of any registered motor vehicle including owned, leased, hired and non-owned vehicles. If the Contractor does not own, rent or lease any registered vehicles and will not be using any vehicles on State Land proof of Business Automobile Liability Insurance shall not be required for this Contract. The Contractor shall assume full responsibility and liability that owners and operators of any registered vehicles entering State Land to conduct work under this contract carry the same Business Automobile Liability Insurance of the kinds and amounts listed above. NYS Department of Environmental Conservation reserves the right to

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request proof of the same.

E. Environmental Liability with a limit of not less than \$1,000,000 providing primary coverage for bodily injury and property damage, including loss of use of damaged property or of property that has not been physically injured. Such policy shall provide coverage for actual, alleged or threatened emission, discharge, dispersal, seepage, release or escape of pollutants, including any loss, cost or expense incurred as a result of any cleanup of pollutants or in the investigation, settlement or defense of any claim, suit, or proceedings against the Department of Environmental Conservation arising from the Contractor's Work.

F. Professional Liability Insurance includes coverage for its negligent act, error or omission in rendering or failing to render professional services required by this contract arising out of specifications, installation, modification, abatement, replacement or approval of products, materials or processes containing pollutants, and the failure to advise of or detect the existence or the proportions of pollutants. The Contractor, any subcontractor or supplier retained by

the Contractor to work on the contract shall procure and maintain during and for a period of three (3) years after completion of this contract, Professional Liability Insurance in the amount of \$1,000,000. The professional liability insurance may be issued on a claims-made policy form, in which case the Contractor shall purchase at its sole expense, extended Discovery Clause coverage of up to three (3) years after work is completed if coverage is cancelled or notrenewed.

Should the Contractor engage a subcontractor, the Contractor shall impose the insurance requirements of this document on the subcontractor. Contractor shall determine the required insurance types and limits, commensurate with the work of

the Subcontractor. The Contractor will maintain the certificate or certificates and endorsements for all subcontractors hired as part of the Contractor's records.

END OF DOCUMENT 002213

### SECTION 006000 - PROJECT FORMS

### 1.1 FORM OF AGREEMENT AND GENERAL CONDITIONS

- A. The following form of Owner/Contractor Agreement and form of the General Conditions shall be used for Project:
  - 1. AIA Document A101 "Standard Form of Agreement between Owner and Contractor Where the Basis of Payment is a Stipulated Sum."
    - a. The General Conditions for Project are AIA Document A201 "General Conditions of the Contract for Construction."
    - b. The contract is subject to County and State approval and revisions.
  - 2. The Supplementary Conditions for Project are separately prepared and included in the Project Manual.
- B. Note that Montgomery County contract modifications to the standard AIA A101-2017 Standard Form of Agreement and AIA A201- 2017 General Conditions will include (*but is not limited to*):
  - 1. AIA A101 -2017
    - a. Article 3 Contract time and liquidated damages are as stipulated in the contract documents
    - b. Article 5.2.2 delete
    - c. Article 6.2 revise to "litigation in Montgomery County"
    - d. Article 8.6.1 Owner is exempt from sales tax
    - e. Article 9
      - 1) Performance bond and payment must equal 100% of the contract sum.
      - 2) Insurance Requirements:

Insurance must be primary and non contributory with a waiver of subrogation. Owner must receive notification by certified mail thirty(30)days prior to any change diminishing coverage, limits, cancellation or non-renewal of the insurance policies. For the duration of this contract, the issuing company(s) shall also notify the Owner thirty days prior to the renewal of the policies. Upon any and all renewals of the subject insurances during the duration of this contract, a new Certificate of Insurance shall immediately be sent to the Owner.

- 2. AIA A201-2017
  - a. Language throughout will be modified for multiple prime contracts as indicated in the contract documents.
  - b. 2.2.1, 2.2.2, 2.2.3 delete
  - c. 2.5 delete ".... if disagree can file a claim"
  - d. 3.7.4 ADD "Notifications to Architect should be in writing"
  - e. 3,10,1 ADD ...." shall provide for expeditious and practical execution of work"
  - f. 4.2.3 ADD "4) known deviations form construction schedule"
  - g. 4.2.6 ADD "Owner will be notified of defects in work"

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- h. 6.2.3 REVISE first sentence to "The Contractor shall reimburse the Owner for costs the Owner incurs including those that are payable to a separate contractor"
- i. 6.2.3 ADD to end of last sentence ....." by Owner's own forces"
- j. 8.2.2 Date of commencement of work shall not be changed by effective date of insurance.
- k. 10 Safety program must be submitted for review.
- 1. 10.2.1 ADD "4) Construction or operations by the Owner and/or other contractors"
- m. 10.3.3 DELETE
- n. 11.2.1 DELETE and replace with "Owner shall be responsible for maintaining it's usual liability insurance"
- o. 11.2.3 DELETE
- p. 11.3.1 DELETE everywhere it says "Owner"
- q. 11.3.2 DELETE
- r. 11.4 DELETE
- s. 14.4.3 DELETE and replace with "In case of such termination for the Owner's convenience, the Contractor shall be entitled to receive payment for Work executed."
- t. 15.1.4.2 DELETE and replace with "Contract Sum and Contract Time shall be adjusted pursuant to Change Order."
- u. 15.1.7 DELETE everywhere it says "Owner"
- v. 15.1.7.1 DELETE "mutual" in last paragraph and "either party's"
- w. 15.2.5 DELETE "but subject to binding dispute resolution" and replace "but subject to the dispute resolution provisions set forth herein."
- x. 15.2.6 DELETE and replace with "The parties agree that any claims brought shall be brought in New York State Court in Montgomery County."
- y. 15.2.6.1 DELETE
- z. 15.3 DELETE including all subsections
- aa. 15.4 DELETE including all subsections

# 1.2 ADMINISTRATIVE FORMS

- A. Administrative Forms: Additional administrative forms are specified in Division 01 General Requirements.
- B. Preconstruction Forms:
  - 1. Form of Performance Bond and Labor and Material Bond: AIA Document A312-2010 "Performance Bond and Payment Bond."
  - 2. Form of Certificate of Insurance: AIA Document G715-1991 "Supplemental Attachment, ACORD Certificate of Insurance."
- C. Attached Forms( Included at the end of the Specification Section)
  - 1. Bid Proposal Certification
  - 2. Sexual Harassment Policy and Training Certification
  - 3. Montgomery County Prevailing Wage Schedule
  - 4. Consultant/Contractor Detailed M/WBE-EEO Utilization Plan.
  - 5. Quarterly MWBE Contractor Compliance Report

- D. Information and Modification Forms:
  - 1. Form for Requests for Information (RFIs): AIA Document G716-2004 "Request for Information (RFI)."
  - 2. Change Order Form: AIA Document G701-2001 "Change Order."
- E. Payment Forms:
  - 1. Schedule of Values Form: AIA Document G703-1992 "Continuation Sheet."
  - 2. Payment Application: AIA Document G702-1992/703-1992 "Application and Certificate for Payment and Continuation Sheet."
  - 3. Form of Contractor's Affidavit: AIA Document G706-1994 "Contractor's Affidavit of Payment of Debts and Claims."
  - 4. Form of Affidavit of Release of Liens: AIA Document G706A-1994 "Contractor's Affidavit of Payment of Release of Liens."
  - 5. Form of Consent of Surety: AIA Document G707-1994 "Consent of Surety to Final Payment."

END OF DOCUMENT 006000

### MONTGOMERY COUNTY SHARED SERVICES FACILITY 115 PARK DRIVE, FULTONVILLE, NY

### SECTION 034500 – ARCHITECTURAL PRECAST CONCRETE

### PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- 1.2 SECTION INCLUDES
  - A. Precast Concrete Caps.

### 1.3 REFERENCES

- A. Except as shown or specified otherwise, the Work of this Section shall meet the requirements of the following reference standards:
  - 1. Design Procedure and Allowable Stresses: Building Code Requirements for Reinforced Concrete ACI 318 of the American Concrete Institute.
  - 2. Structural Welding Code Steel AWS D1.1 by the American Welding Society (AWS Code).
- B. Organizations:
  - 1. ACI: American Concrete Institute, 38800 Country Club Dr., Farmington Hills, MI 48331, (248) 848-3700, www.concrete.org.
  - 2. AWS: American Welding Society, 550 N.W. LeJeune Rd., Miami, FL 33126, (800) 443-9353, www.aws.org.
  - 3. ASTM: ASTM International, 100 Barr Harbor Dr., PO Box C700, West Conshohocken, PA, 19428-2959, (610) 832-9500, www.astm.org.
  - 4. MPI: The Master Painters Institute Inc., 2808 Ingleton Ave., Burnaby, BC, V5C 6G7, (888) 674-8937, www.specifypaint.com.
  - 5. SSPC: The Society for Protective Coatings, 40 24th Street, 6th Floor, Pittsburgh PA 15222-4656, (877) 281-7772, www.sspc.org.

### 1.4 DEFINITIONS

A. Architectural Precast Concrete: Plant cast, architecturally finished, precast concrete units generally referred to in this Section as precast units.

### ARCHITECTURAL PRECAST CONCRETE

### 1.5 DESIGN REQUIREMENTS

A. Wind Loading: 20 psf, minimum, on the vertical building projection.

### 1.6 SUBMITTALS

- A. Shop Drawings: Submit fully dimensioned fabrication and setting drawings. Include details of clearances, arrangements, piece markings, reinforcing, weld plates and welding, inserts, anchors, connections, accessories, joints, openings, and other requirements. When shop drawings are "Approved as Noted", promptly resubmit copies of corrected drawings for formal approval and record.
- B. Product Data: Manufacturer's catalog sheets, specifications, and installation instructions.
- C. Samples: For each type and color of finish required,  $12 \times 12 \times 1-1/2$  inch thick samples showing color, pattern, texture, and finish.
- D. Quality Control Submittals:
  - 1. Design Data:
    - a. Design Mix: Submit design mix for each mix used for the Work of this Section 12 weeks prior to start of casting. Precast units shall not be cast until approval of mix(es) has been received in writing.
    - b. Design Calculations: Submit design calculations with shop and setting drawings. Calculations shall include the complete design, including the stresses in steel and concrete, based on service loading and on construction and erection procedures.
  - 2. Preliminary Test Specimens:
    - a. Strength Test Cylinders: Two 6 inch diameter x 12 inch cylinders for each different concrete mix.
    - b. Freeze-Thaw Test Specimens: Two 3 x 4 x 16 inch specimens for each different concrete mix.
    - c. Compression Test Specimens: Two 12 x 12 x 2 inch specimens for each different concrete mix.
  - 3. Manufacturer's Qualifications Data:
    - a. Firm name, address, and telephone number.
    - b. Period of time firm has manufactured architectural precast concrete.
    - c. If requested, furnish to the Director, the names and addresses of 5 similar projects completed by the firm. Include name and phone number of contact person.

- 4. Installer's Qualifications Data:
  - a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
  - b. Period of time installer has installed architectural precast concrete.

### 1.7 QUALITY ASSURANCE

- A. Manufacturer: Precast units shall be plant fabricated.
- B. Qualifications:
  - 1. Manufacturer: The firm manufacturing the Work of this Section shall have been regularly engaged in the manufacturer of architectural precast concrete (ornamental in nature) for a minimum of 5 years, and shall have manufactured architectural precast concrete on 5 similar projects in the last 5 years.
    - a. Work on the architectural precast concrete units shall not proceed until approval of the proposed manufacturer has been given by the Director.
  - 2. Installer: The person(s) performing the Work of this Section and their Supervisor shall be personally experienced in the installation of architectural precast concrete and shall have been regularly employed by a Company installing architectural precast concrete for a minimum of 2 years.

### 1.8 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Load, transport, and unload precast units by methods that will prevent damage.
- B. Storage: Store precast units on firm surfaces off the ground. Protect from dirt and staining. Upon removal from the casting plant, protect precast units from freezing temperatures and rapid loss of moisture for a minimum period of 4 days.
- C. Handling: Lift and support precast units at design support points.

### PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Cement: ASTM C 150, Type I, Type II or Type III Portland cement, except as otherwise indicated.
  - 1. Cement for Exposed Surfaces/Facing: White, buff, light gray or dark gray Portland cement as necessary to match required color of concrete and mortar.
- B. Aggregates: ASTM C 33, except as otherwise indicated.

- 1. Exposed/Facing Aggregates: Clean, hard, durable, non-staining, selected and graded aggregate of required appearance, uniform in quality, and free from thin and elongated pieces.
  - a. Appearance/Color: Light Etch face, Light Wheat color final color and finish to be approved by Architect.
- 2. Lightweight Concrete Aggregates: ASTM C 330.
- C. Water: Fresh, clean, and free from injurious amounts of oils, acids, alkalis, salts, organic material, and other deleterious substances.
- D. Air-entraining Admixture: ASTM C 260.
- E. Reinforcing Steel:
  - 1. Bars: ASTM A 615, deformed.
  - 2. Welded Wire Fabric: ASTM A 185, galvanized.
  - 3. Tie Wire: Galvanized.
- F. Metal Accessories: Anchors, plates, clip angles, seat angles, inserts, bolts, shims, and other necessary devices and accessories required for a complete installation. Unless otherwise indicated, metal accessories shall be steel and hot dipped galvanized after fabrication, or 300 series stainless steel.
- G. Source of Materials: Individual materials shall be obtained from a single source for all similar precast units.

# 2.2 CONCRETE MIXES

- A. Concrete shall be proportioned to comply with the following, except as otherwise indicated:
  - 1. Compressive Strength: Minimum 5000 psi at 28 days.
  - 2. Air-Entrainment: 8 percent (by volume) total air content, with an allowable tolerance of plus or minus 1.5 percent. Use air-entraining admixture, not air-entrained cement.
  - 3. Color: Light Wheat
- B. The quantity of water used shall not exceed 5 gallons per 94 pound bag of cement.
- C. Freeze-Thaw Resistance: Freeze-thaw test specimens shall have a minimum durability factor of 70 when tested in accordance with ASTM C 666, Procedure B.
- 2.3 FABRICATION

- A. Forms shall conform to the shape, lines, and dimensions of the precast units to be produced, be sufficiently tight to prevent leakage of cement paste, and be constructed to prevent damage to the concrete. Forms shall be rigidly assembled, braced, and stiffened as required to produce castings within the specified tolerances.
- B. Steel reinforcement shall be accurately positioned and securely held in place by devices that will not be exposed on or mar the appearance of exposed surfaces on the precast units.
- C. Build-in metal accessories at the time units are cast and, wherever practicable, fasten anchors and inserts to the steel reinforcement.
- D. Place concrete, facing and backing, in a continuous operation for each unit until the full thickness is reached and the unit is completely cast. Place concrete in a manner which will avoid segregation.
- E. Consolidate concrete by vibration so that the concrete is thoroughly worked around the steel reinforcement and other embedded items, and into corners and angles of the forms.
- F. Finishes shall be equal to the approved finish samples.
- G. Finishes for Exposed Surfaces:
  - 1. Surfaces Without Exposed Aggregate Facing: Light Etch
- H. Finishes for Concealed Surfaces: Form finish or screeded finish as applicable.
- I. Curing: Cure precast units in the forms for 16 to 20 hours after casting. Prevent loss of moisture from the units, and supply additional moisture and heat as required by environmental conditions. Continue curing after removal from the forms by moist or steam curing for a minimum of 48 hours unless otherwise approved. Maintain units above 50 degrees F during curing.
- J. Shop Painting: Apply one coat (minimum 3.0 mils wet film thickness) of shop paint to surfaces of metal accessories, except surfaces to be field welded and contact surfaces of high-strength bolted connections (if any).
- K. Tolerances: reference ACI 533.3R-70
  - 1. Casting Tolerances:
    - a. Thickness: Plus or minus 1/8 inch.
    - b. Out-of-Square (difference in length of the two diagonal measurements): 1/4 inch.
    - c. Over-All Height/Length and Width: Plus or minus 1/8 inch.

### 2.4 SOURCE QUALITY CONTROL

- A. Tests for Air Content: Determine air content of each batch of concrete in accordance with ASTM C 173. Record results of tests and furnish a copy of test results to the Director's Representative.
- B. Test Specimens: On each day castings are produced for the contract Work, make and cure the following test specimens at the plant with the manufacturer's equipment unless otherwise directed by the Director's Representative. Specimens shall be made at the same time and with the same materials as the precast units. Each specimen shall be marked so that it can be identified with the precast units made from the same concrete batch. Pack the specimens in suitable protective containers and send to the laboratory selected by the Director. Tests will be made by the designated testing laboratory at no cost to the Contractor.
  - 1. 1. Strength Test Specimens: Two 6 inch diameter x 12 inch cylinders for each different concrete mix. Comply with ASTM C 31. These specimens will be tested in accordance with ASTM C 39.
  - 2. 2. Freeze-Thaw Test Specimens: Four 3 x 4 x 16 inch specimens for each different concrete mix.
  - 3. 3. Compression Test Specimens: Two 12 x 12 x 2 inch specimens for each different concrete mix. These specimens will be tested in accordance with ASTM C 170.
  - 4. 4. Absorption Test Specimens: When facing mix differs from backing mix, two additional 12 x 12 x 2 inch specimens for each different facing mix.

### PART 3 - EXECUTION

### 3.1 EXAMINATION

A. Verification of Conditions: Examine surfaces to receive precast units for defects that will adversely affect the execution and quality of the Work. Check location and condition of required bearing surfaces, anchors, and inserts. Do not proceed until unsatisfactory conditions are corrected.

### 3.2 PREPARATION

A. Surface Preparation: Thoroughly clean surfaces of adjoining construction of loose and foreign matter.

### 3.3 INSTALLATION

- A. Install precast units in their designed positions and in accordance with the approved setting drawings.
  - 1. Adjust units true to line, with uniform joint width.
  - 2. Anchor precast units securely to supporting construction.

3. Field Welding: Unless otherwise indicated, comply with AWS Code for the procedures for shielded metal-arc welding. Protect adjacent surfaces from damage during welding operations.

### 3.4 ADJUSTING

- A. Corrective Patching: Patch and refinish minor damage to match adjacent surfaces.
- B. Cure patches. Final patching shall be accepted by Architect, otherwise entire precast item is rejected and must be replaced at no additional cost.

### 3.5 CLEANING

- A. Remove excess sealant and mortar and droppings immediately after soiling.
- B. After completion of installation and other activities liable to soil the precast units, clean exposed surfaces of the units with soap powder in clean water applied by scrubbing with stiff fiber brushes. If recommended by the precast unit manufacturer, a cleaning solution which will not be harmful to the units or the joints may be used in lieu of soap and water. Immediately after cleaning, thoroughly rinse units with clean water.

### 3.6 PROTECTION

A. Protect precast units from damage during construction.

END OF SECTION 034500

# SECTION 097723 - FIBER REINFORCED PLASTIC PANELS

### PART 1 GENERAL

### 1.1 RELATED DOCUMENTS

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

### 1.2 SUMMARY

- A. Section Includes:
  - 1. Fiber reinforced plastic panels
  - 2. Installation accessories.
- 1.3 RELATED WORK SPECIFIED ELSEWHERE
  - A. Joint Sealers: Section 079200.

### 1.4 DEFINITIONS

- A. Plastic Panels (FRP01): Glass-fiber reinforced polyester plastic panels without substrate backer.
- 1.5 SUBMITTALS
  - A. Product Data:
    - 1. Catalog sheets, specifications, and installation instructions for each material specified.
    - 2. Physical property data for plastic panels.
  - B. Samples:
    - 1. Plastic Panels and Plastic Boards: 12 inch square pieces.
    - 2. Color Samples: Plastic panel manufacturer's standard colors and textures.
  - C. Quality Control Submittals:
    - 1. Fabricator's Qualifications Data:
      - a. Name and address of proposed fabricator and name and telephone number of contact person at proposed fabricator's facility.
      - b. Names, addresses, and telephone number of 3 similar projects that the proposed fabricator's plastic boards have been installed at for a minimum of 3 years.

- D. Contract Closeout Submittals:
  - 1. Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative.

#### 1.6 QUALITY ASSURANCE

A. Fabricator's Qualifications: The fabricator of the plastic board shall be regularly engaged in the lamination of plastic panels to substrate backer for a minimum of 5 years, and shall be subject to the approval of the Director.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping: Deliver panels and boards with protection sheets intact on exposed finished surfaces. Deliver accessories and fasteners in original, unopened containers.
- B. Storage and Protection: Store materials in a manner to prevent soiling. Protect materials from physical damage and wetting.

### 1.8 PROJECT CONDITIONS

A. Environmental Requirements: Comply with manufacturer's written recommendations regarding environmental conditions under which materials can be installed.

#### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Plastic Panels: Glass-fiber reinforced polyester plastic panels; ASTM D 3841, USDA accepted.
  - 1. Minimum Physical Properties for Class A (I) Panels:

PROPERTY	TYPICAL VALUE	TEST METHOD
Flexural strength (PSI)	15 x 103	ASTM D 790
Flexural modulus (PSI)	.75 x 106	ASTM D 790
Tensile strength (PSI)	7 x 103	ASTM D 638
Tensile modulus (PSI)	1.5 x 103	ASTM D 638
Impact strength (IZOD) (ft. lbs./in. notched)	12	ASTM D 256
Barcol hardness	40	ASTM D 2583
	40	ASTM D 2385
Coefficient of linear thermal expansion (in./in./F. degrees)	1.7 x 10-5	ASTM D 696
Water absorption (percent)	.4 maximum	ASTM D 570
Thermal conductivity	.3	ASTM C 177

#### MONTGOMERY COUNTY SHARED SERVICES FACILITY 115 PARK DRIVE, FULTONVILLE, NY

PROPERTY	TYPICAL VALUE	TEST METHOD
(BTU in./hr./ft2/0F.)("K")		
Specific gravity	1.8	ASTM D 792

- 2. Fire Rating: Class A (I).
- 3. Nominal Thickness: 0.12 inch.
- 4. Finish: Pebble textured.
- B. Accessories and Moldings: One-piece extruded vinyl, color to match plastic panels, thicknesses to match plastic panels and plastic boards.
- C. Fasteners: Plastic panel manufacturer's standard or recommended rivets sized to securely attach material to substrate, color to match plastic panels or plastic boards.
- D. Gypsum Backing Board Sealant: Gypsum backing board manufacturer's standard or recommended sealant for sealing cut edges of gypsum backing board.
- E. Adhesive: Plastic panel manufacturer's standard or recommended high strength waterproof adhesive for substrate involved.

#### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Install the Work of this Section in accordance with the manufacturer's printed instructions, except as shown or specified otherwise.
- B. Install moldings and trim plumb and level, within 1/8 inch in any 8 feet of length, in longest lengths practicable. Install division bars between panels in the same plane, inside corners at interior junctures, outside corners at external corners, and cap at top of panels and where panels abut dissimilar materials.
  - 1. Attach moldings and trim to substrate with concealed fasteners spaced not more than 2 inches from ends and 12 inches on center.
  - 2. Janitor Mop Sink Areas:
    - a. Apply a continuous bead of Type 1D sealant to one side of channel trim piece. Install trim piece on leading edge of panel. Apply a continuous bead of Type 1D sealant to exposed channel and install the next panel. Continue in this manner until installation is complete.
    - b. Apply Type 1D sealant into each fastener hole before inserting fastener.

### 3.2 CLEANING

A. Remove dirt and other foreign substances from exposed surfaces in accordance with manufacturer's printed cleaning instructions.

END OF SECTION 097723

#### MONTGOMERY COUNTY SHARED SERVICES FACILITY 115 PARK DRIVE, FULTONVILLE, NY

#### SECTION 102213 - WIRE MESH PARTITIONS

#### PART 1 - GENERAL

#### 1.1 RELATED WORK SPECIFIED ELSEWHERE

A. Masterkeyed Cylinders for Sliding Doors; Deadlocks for Hinged Doors: Section 087100.

#### 1.2 REFERENCES

- A. Woven Wire Products Association's Standards.
- B. Structural Welding Code Steel, AWS D1.1 by the American Welding Society (AWS Code).

#### 1.3 DEFINITIONS

A. Wire Gage: Washburn & Moen gage.

#### 1.4 SUBMITTALS

- A. Shop Drawings: Include plan, elevations, details, and connections to adjoining construction.
- B. Product Data: Manufacturer's specifications and installation instructions. Include the following:
  - 1. Wire and Frames.
  - 2. Vertical Posts.
  - 3. Floor Sockets.
  - 4. Top Capping Bar.
  - 5. Door Hardware.
- C. Samples:
  - 1. Wire Mesh Panel: Corner sample 2 x 2 feet, showing material, construction, and finish.

### PART 2 - PRODUCTS

#### 2.1 <u>MANUFACTURERS</u>

A. <u>Products shall be provided from one of the following manufacturers:</u>

- Acorn Wire and Iron Works, LLC; 4940 South Kilbourn Ave. Chicago, IL 60608 Wirecrafters, LLC, 6208 Strawberry Lane, Louisville, KY a. Product: Series 840.
- 2. <u>SpaceGuard Products, 711 South Commerce Road, Seymour, ID 47274 web:</u> <u>www.beastwiremesh.com;</u>
  - a. <u>Product: Beastwire Mesh Guarding/Beastguard</u>

### 2.2 MATERIALS

- A. Wire: Cold drawn steel wire.
- B. Frames: Cold rolled steel channels.
  - 1. Frames for Hinged Doors with Deadlocks: Minimum 1-1/2 inch channels.
- C. Vertical Posts: Cold rolled steel bars, angles, or channels, or cold drawn steel tubing.
- D. Floor Sockets: Ductile iron (weldable).
- E. Top Capping Bar: Continuous cold rolled steel channel.
- F. Door Hardware: Hardware mounting screws shall be inaccessible from the secure side of the door when the door is locked.
  - 1. Hinged Doors: Manufacturer's standard fixed pin steel hinges.
  - 2. Sliding Doors: Manufacturer's standard track system, hangers, cylinder hook-type lock, and bottom guide channel.
- G. Accessories: Manufacturer's standard fasteners and accessories, unless otherwise shown.
- H. Shop Paint: Steel primer selected from the following:
  - 1. TNEMEC 10-99 (Red), 10-99G (Green) or 10-1009 (Gray).
  - 2. Rust-Oleum 769.
  - 3. Valspar 13-R-53.
  - 4. Sherwin-Williams "Kromik".
- I. Shop Paint: Partition manufacturer's standard enamel shop paint.
  - 1. Color: As selected from manufacturer's standard colors.

#### 2.3 FABRICATION

A. Comply with Woven Wire Products Association's Standards and the AWS Code unless otherwise specified or shown.

- B. Panels: Tenon and weld frame members at intersections. Wire shall be crimped and woven with ends of wire extended not less than 1 inch through the frame and clinched back on the frame at least 90 degrees. Center mesh in the frame. Tack weld every third wire to back of the frame.
- C. Cut Outs: Fabricate partitions with framed cut outs for penetrations through the wire mesh partitions.
- D. Shop Painting: Thoroughly clean wire mesh partitions and apply one coat of shop paint.

#### PART 3 - EXECUTION

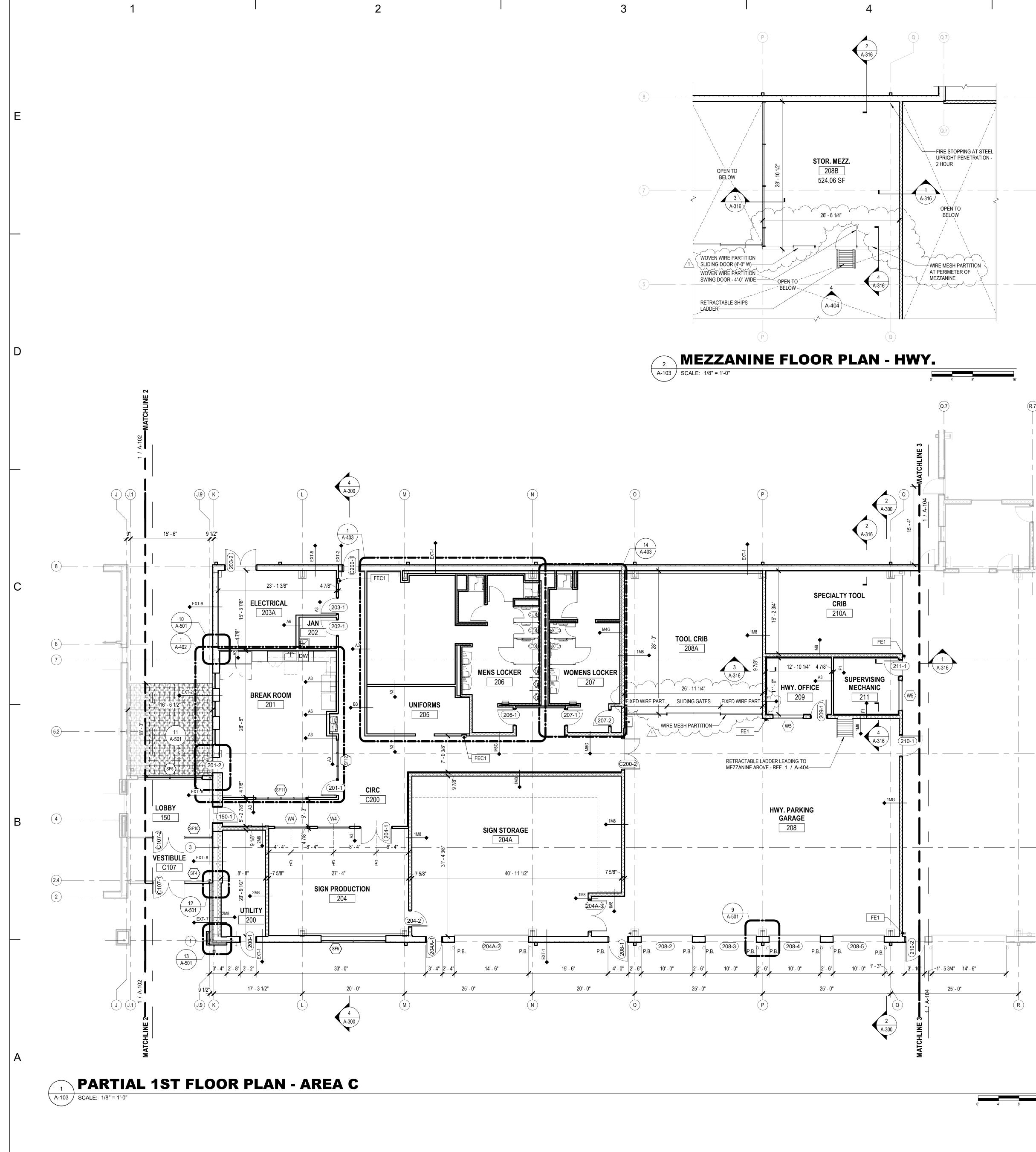
#### 3.1 INSTALLATION

A. Install wire mesh partitions in accordance with manufacturer's printed instructions unless otherwise indicated. Fasten to adjoining metal with bolts or tap screws and to adjoining masonry and concrete with expansion bolts.

#### 3.2 ADJUSTING

A. Touch up damaged painted surfaces after installation is completed.

END OF SECTION 102213



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6

## FLOOR PLAN NOTES

- A. DO NOT SCALE THE DRAWINGS. IF THERE IS A MISSING DIMENSION, OR ONE THAT IS NOT CLEAR IN THE CONSTRUCTION DOCUMENTS, REQUEST CLARIFICATION OF THAT
- DIMENSION FROM THE ARCHITECT. B. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS. WHERE A NON-COMPLIANT CONDITION OCCURS, THOSE CODES ARE TO TAKE PRECEDENCE OVER THE DRAWINGS AND SPECIFICATIONS. IF A DESCREPANCY IS DISCOVERED, INFORM THE ARCHITECT IMMEDIATLEY BEFORE PROCEEDING WITH THE WORK.
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- EXTERIOR INSULATED METAL PANELS AND INSULATED ROOF PANELS MAY NOT BE USED TO SECURE ANY ITEMS. CONTRACTOR TO COORDINATE WITH OTHER TRADES ( EX.HVAC SUPPORT PIPING RUNS, CONDUIT, RECEPTACLE BOXES, ALARMS DEVICES, CAMERAS, ETC.) PROVIDE STUD BLOCKING TO MOUNT THE BOXES APPROPRIATELY BETWEEN GIRTS AND PURLINS.

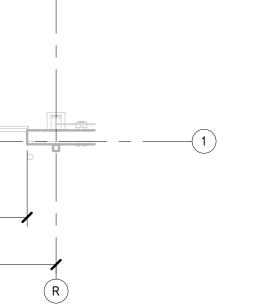
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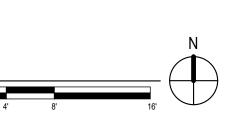
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SYMBOL/TAG	DESCRIPTION
	MATCHLINE W/PLAN REFERENCE
ROOM NAME 101 150 SF ROOM AREA (IF PROVIDED)	ROOM IDENTIFICATION TAG
	DOOR AND DOOR TAG
PARTITION TYPE DESIGNATION	PARTITION & TYPE IDENTIFICATION
	SPOT ELEVATION
W4>	WINDOW IDENTIFICATION TAG
FEC1	FIRE EXTINGUISHER IN SEMI-RECESSED CABINET
FE1	FIRE EXTINGUISHER HUNG WITH WALL BRACKET
O <sub>P.B.</sub>	42" HIGH X 6" DIA. STEEL PIPE BOLLARD, CONCRETE FILLED WITH COVER SEE DETAIL

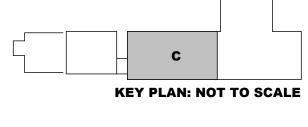
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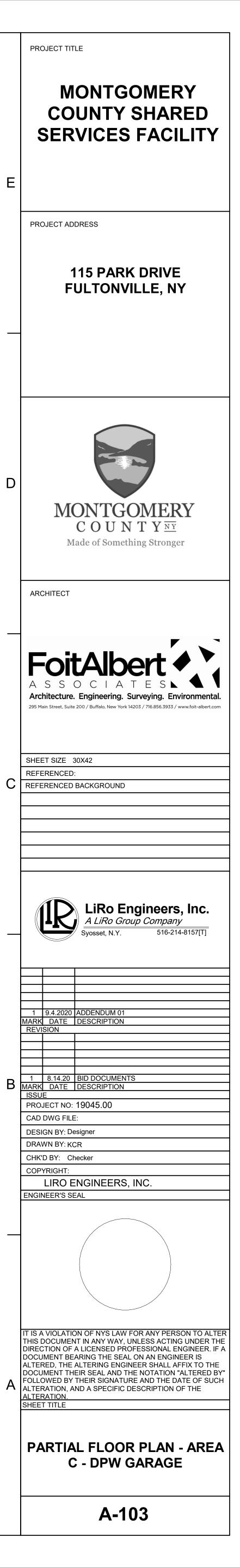


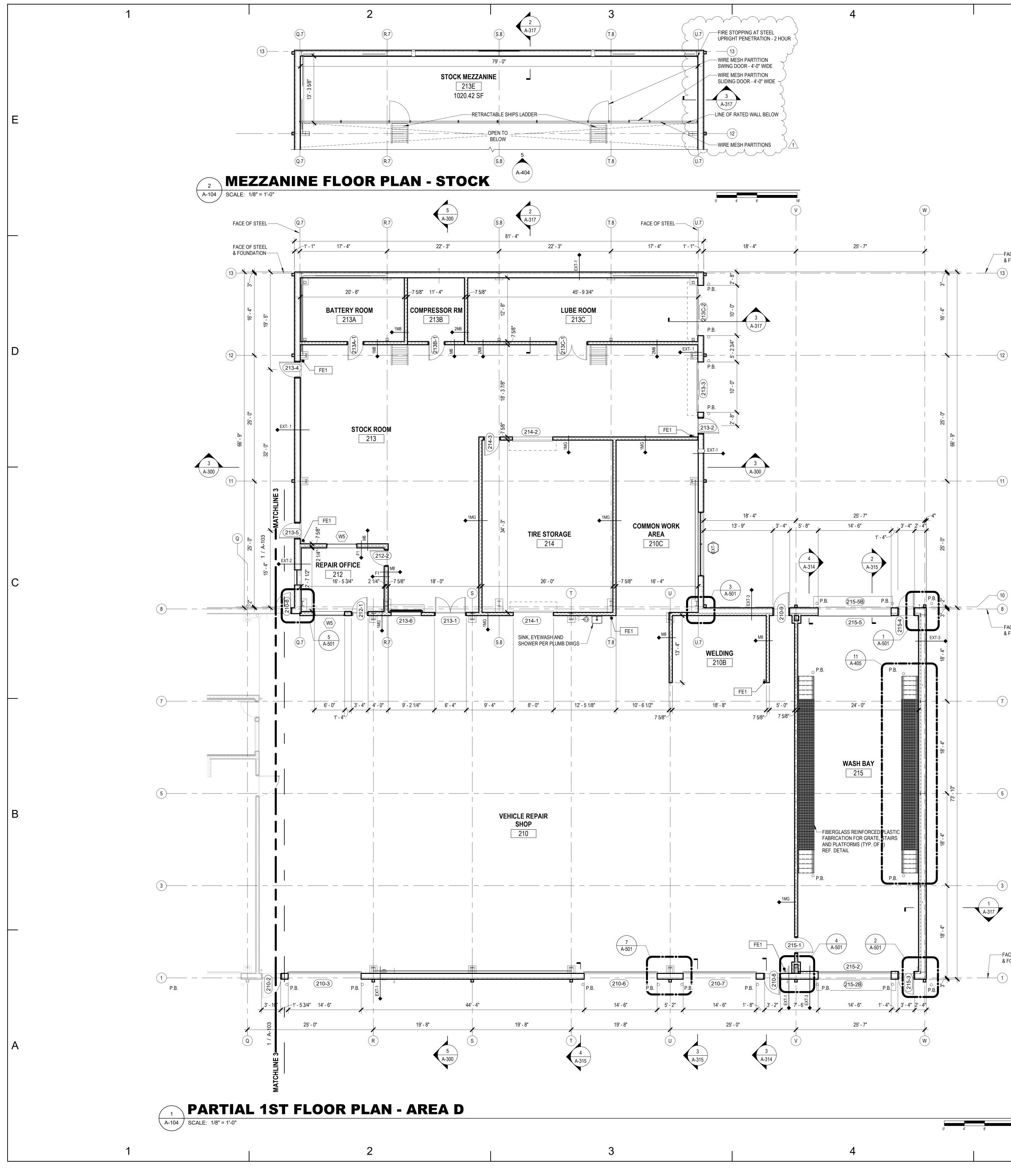












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-FACE OF STEEL

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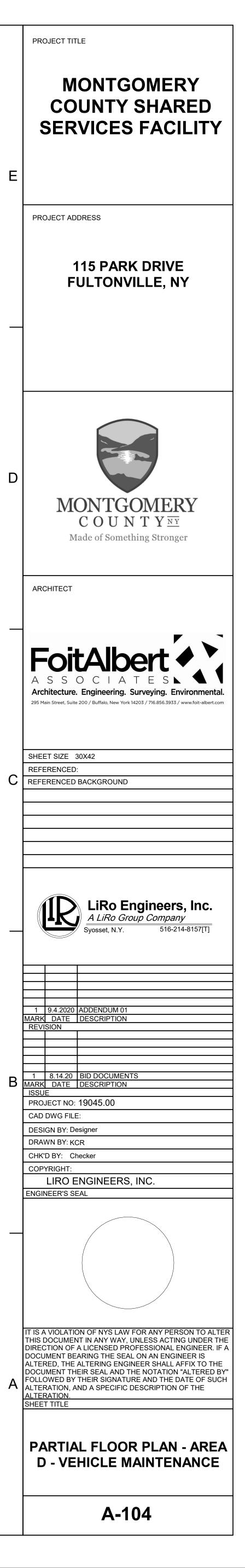
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O <sub>P.B.</sub>	42" HIGH X 6" DIA. STEEL PIPE BOLLARD, CONCRETE FILLED WITH COVER SEE DETAIL

D **KEY PLAN: NOT TO SCALE** 



	1	I			2
		NOT			ECTION SCHEDULE BASIS OF DESIGN AND CONTRACTOR MA
		FOR	EQUALS FOR APF	PROVAL TO BE CONSIDE	RED BY ARCHITECT FOR EACH PRODUCT
	ORING & FINIS	<u>SHES</u>			
	CRETE	AGGREGATES: AS SPECIFIED SEALER: PENETRATING CHEMICAL BOND LATICRETE FGS-PERMASHINE OR EQUAL SLIP RESISTANCE: CERTIFIED HIGH TRACTION	PT01	WALL PAINT	SHERWIN WILLIAMS COLOR: GREEK VILLA SW7551 FINISHES PER SPEC: INTERIOR WALLS: IAL-2 EGGSHELL INTERIOR DOORS/FRAMES: IAL-3 SE EXTERIOR DOORS/FRAMES: EAL-2
	POSITION FLC	DORING DEX-O-TEX OR EQUAL	PT02	WALL PAINT	SHERWIN WILLIAMS COLOR: USEFUL GREY SW7050 FINISHES PER SPEC: INTERIOR WALLS: IAL-2 EGGSHELL
Сом	POSITION DRING C	SYSTEMS: TEK-CRETE THICKNESS: 0.25" SURFACE: URETHANE CONCRETE COLORS: ERF01A = SPEEDWAY GRAY ERF01B = DARK GRAY	PT03	WALL PAINT	INTERIOR DOORS/FRAMES: IAL-3 SE EXTERIOR DOORS/FRAMES: EAL-2 SHERWIN WILLIAMS COLOR: INKY BLUE SW9149
UCF02) DECC		ERF01C = BRIGHT YELLOW PATTERN: FOLLOW TYPICAL PATTERN - REF.1 / A-12 DEX-O-TEX OR EQUAL	24 PT04	WALL PAINT	FINISHES PER SPEC: INTERIOR WALLS: IAL-2 EGGSHELL SHERWIN WILLIAMS COLOR: CASCADE GREEN SW0066
1001021	HANE FLOORING	SYSTEMS: DECOR-FLOR THICKNESS: 3/16" SURFACE: TROWLED EPOXY FLOOR COLOR: TBD	PT05	WALL PAINT	FINISHES PER SPEC: INTERIOR WALLS: IAL-2 EGGSHELL WOLF GORDON SERIES: SCUFFMASTER PRODUCT: ARMOR
RESILIENT FLOC	RING AND BA	<u>SE</u>			COLOR: WHITE BASE + GREEN SPECKL INSTALLATION: SPRAY FINISHES: HBGC-4 TEXTURED PAINT FI
	LIENT TILE DRING	MOHAWK GROUP SERIES: SELECT STEP C0007 THICKNESS: 20 MIL COLOR: P005S TANNED TASSEL SIZE: 7.25" X 48"	PT06	WALL PAINT	WOLF GORDON SERIES: SCUFFMASTER PRODUCT: ARMOR COLOR: COPEN BLUE SW068 INSTALLATION: SPRAY
	LIENT TILE DRING	INSTALLATION: MANUF. STD. , USE B01 WITH THIS FLOORING ALTRO LAVENCIA LVT SERIES: LAV16011	PT07	TRIM PAINT	FINISHES: HBGC-4 TEXTURED PAINT FI SHERWIN WILLIAMS COLOR: URBANE BRONZE SW7048 FINISHES PER SPEC: INTERIOR WALLS: IAL-2 EGGSHELL
		THICKNESS: 20 MIL COLOR: HAMMERED STEEL SIZE: 12" X 24" INSTALLATION: MANUF. STD. , USE B01 WITH THIS FLOORING	PT08	CEILING PAINT	INTERIOR DOORS/FRAMES: IAL-3 SE EXTERIOR DOORS/FRAMES: EAL-2 SHERWIN WILLIAMS COLOR: WHITE
	LIENT TILE DRING	MOHAWK GROUP SERIES: PIVOT POINT C0113			FINISHES PER SPEC: ALL EXCEPT WET AREAS: IAL-1 FLA WET AREAS: IAL-3 SEMI-GLOSS
		THICKNESS: 20 MIL COLOR: 939 SUMMIT GRAY SIZE: 36" X 36"	WALL COVE	RING	
(VCT01) RESI		INSTALLATION: MANUF. STD. , USE B01 WITH THIS FLOORING ARMSTRONG FLOORING	WC01	VINYL WALL COVERING	WOLFGORDON PRODUCT: ECHO SIZE: 54" WIDE X 30 YDS COLOR: GRAPHITE ECH 8-3585
		SERIES: PREMIUM EXCELON THICKNESS: 0.125" COLOR: 5C908 PEWTER	WC02	VINYL IMPACT PROTECTION	MDC WALL COVERING OR EQUAL PRODUCT: DURATEK SERIES: AUSTERE
	_	SIZE: 12" X 12" INSTALLATION: MANUF. STD., USE B01 WITH THIS FLOORING			SIZE: 52" X 27 YDS COLOR: MINESHAFT INSTALLATION: FOLLOW TYPICAL PAT REF: 1 / A-120 ACCESSORIES: PROVIDE ALL TOP AND
	LIENT TILE DRING	ARMSTRONG FLOORING SERIES: PREMIUM EXCELON THICKNESS: 0.125" COLOR: 5C908 PEWTER SIZE: 12" X 12" INSTALLATION: MANUF. STD. OVER ANTI-STATIC UNDERLAYMENT, USE B01 WITH THIS FLOORING	WC03	VINYL WALL COV. CUSTOM MURAL	CAPS, COLOR TO BE SELECTED BY AR MDC WALL COVERING OR EQUAL PRODUCT: DIGITAL WALL ART SIZE: FULL HEIGHT AND WIDTH OF WA INDICATED ON PLANS COLOR: CUSTOM IMAGE PRINT ACCESSORIES: PROVIDE ALL TOP AND
B01 RUBE	BER BASE	ALLSTATE RUBBER FLOORING OR EQUAL SERIES: BIG SUR HEIGHT: 4.25"	WALL PROT	ECTION	CAPS, PATTERN TO BE PROVIDED BY ARCHITECT/OWNER
		COLOR: A94 INSTALLATION: CONTINUOUS - ROLL PREFORMED CORNERS 8" HIGH INTEGRAL BASE FOR EPOXY FLOORING	CG01	CORNER GUARDS	MDC OR EQUAL (USED WITH WC02) PRODUCT: CORNER GUARDS COLOR: TBD
	(Y BASE	ROLL INSIDE CORNERS FOR SMOOTH TRANSITION COLOR: MATCH ERF01 COLOR AS SELECTED	FRP01	FIBERGLASS	INSTALLATION: ALUMINUM RETAINER & WITH END CAPS KAL-LITE OR EQUAL
			FRPUT	REINFORCED PLASTIC	SIZE: 48" X 96" THICKNESS: 0.090" COLOR: WHITE INSTALLATION: MANUF STANDARD AD
			PORCELAIN	<u>I TILE</u>	WITH COLOR MATCHED VINYL MOLDING
CPT01 CARF	PET TILE	MOHAWK GROUP SERIES: EXPEDITION COLLECTION STYLE/PATTERN: DIGITAL TERRAIN	(TL01)	PORCELIN FLOOR TIL	
		COLOR: GLACIER 739 SIZE: 12" X 36" INSTALLATION: RANDOM			SERIES: MICRON 2.0 SIZE: 12" X 24" SURFACE: BRUSH HAMMERED RUSTIC COLOR: DG PATTERN: STRIAGHT STACK
		MOHAWK GROUP SERIES: EXPEDITION COLLECTION STYLE/PATTERN: SEISMIC WAVE COLOR: GLACIER 739 SIZE: 12" X 36" INSTALLATION: RANDOM	TL02	PORCELIN WALL TILE	SERIES: MICRON 2.0 SIZE: 12" X 24" SURFACE: MATTE COLOR: DG
CPT03 CARF	PET TILE	MOHAWK GROUP SERIES: EXPEDITION COLLECTION STYLE/PATTERN: GRAVITATIONAL COLOR: GLACIER 739 SIZE: 10" X 26"			SERIES: MICRON 2.0 SIZE:12" X 12" SURFACE: MATTE
		SIZE: 12" X 36" INSTALLATION: BASKETWEAVE		<u></u>	COLOR: DG PATTERN: IRREGULAR LINEAR MOSAIC INSTALLATION: 5' - 6' AFF. AS INDICATE
DOORS		VT INDUSTRIES	<b>PRE-FACED</b>	GLAZED BLOCK	FINISHES TRENWYTH OR EQUAL
(WD02) WOO	D DOORS	SERIES: ARCHITECTURAL WOOD DOORS SPECIES: WHITE MAPLE COLOR: CHOCOLATE, CH15 INSTALLATION: PER DOOR SCHEDULE, REF A-600	<u>A</u>	B	PREMIUM GLAZED ARCHITECTURAL M. SERIES: ASTRA-GLAZE-SW COLORS: GB01A = MOUNTAIN MEADO GB01B = GREEN SPECKLE PATTERN: FOLLOW TYPICAL PATTERN (REFERENCE SPEC 042200 "CONCRETA FOR OTHER REQUIREMENTS OF MASC
	/	USPENDED GYPSUM EILING SYSTEM			
				GB01B -	
				GB01A	
		EAMLESS FINISH AT CEILING HPC02		GB01B -	
	C N	OF SEAMLESS WALL FINISH - 11N. 1/2" RADIUS			
		EAMLESS WALL FINISH OVERLAPS NTEGRAL BASE MATERIAL HPC02			

-PARTITION WALL PER PLANS AND TYPES -EPOXY RESINOUS FLOORING WITH INTEGRAL COVE BASE ERF01 -CONCRETE SUBSTRATE DETAIL - EPOXY FLOOR/WALL

A-120 SCALE: 3" = 1'-0"

**GLAZED BLOCK PATTERN** A-120 SCALE: 1/2" = 1'-0" 2

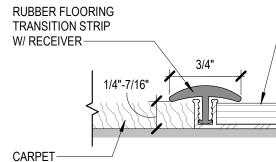
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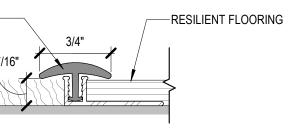
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**ROOM BY ROOM FINISH SCHEDULE** 

1IT D				ROOM NO.	
<u> </u>	MISCELLAN	IEOUS		100 101	LOBBY COMMISS
			C/S GROUP OR EQUAL	101A 101B	TOILET CL
	(WOM01)	WALK-OFF MAT	ROLL-UP FLOOR MAT AS SPECIFIED (SECTION 124813)		OFFICE
~~		*LOBBY*	INSTALLATION: WALL TO WALL, THRESHOLD TO THRESHOLD WITH PROPER TRANSITIONS TO	103 104	OFFICE OFFICE
SS .OSS		LOBBT	ADJACENT MATERIALS AT HRESHOLDS OR FINISH FLOORING	105	CONFERE
	$\bigcirc$		FINISHES: ALUMINUM TRACK WITH INSERTS "TBD"	106 107	TOILET TOILET
	(WOM02)	WALK-OFF CARPET	12" X 12" FLOOR WALK-OFF CARPET INSTALLATION: WALL TO WALL, THRESHOLD TO	108	JAN.
SS			THRESHOLD WITH PROPER TRANSITIONS TO ADJACENT MATERIALS AT THRESHOLDS OR FINISH	109 110	BREAK RC
.OSS		*VEST*	FLOORING	111 112	OFFICE
	$\frown$			112	BREAK OL LOBBY
	(WOG01)	WALK-OFF GRID	C/S GROUP OR EQUAL PEDI-GRID WITH INLAID PAN	150A 151	RECEPTIC CONFERE
			INSTALLATION: WALL TO WALL, THRESHOLD TO THRESHOLD WITH PROPER TRANSITIONS TO	152	SPECIAL F
		*DPW*	ADJACENT MATERIALS AT HRESHOLDS OR FINISH FLOORING	153 154	FILE STOR
			FINISHES: ALUMINUM GRID WITH INSERTS "TBD"	155	DPW COM
l	WINDOW TH	<u>REATMENT</u>		155A 155B	TOILET CL.
	RS01	ROLLER SHADES -	ROLLEASE ACMEDA	156	BREAK RC
	KOUT	NORTH FACING	PRODUCT: AMBIENT	157 158	TOILET IT ROOM
			OPENNESS: 5% COLOR: WHITE/BEIGE	159	JAN
	RS02	ROLLER SHADES -	VEROSOL	160 161	STORAGE TOILET
		SOUTH FACING	PRODUCT: OMNIASCREEN METALIZED/HIGH PERFORMANCE	162	OFFICE
			OPENNESS: 3% COLOR: WHITE/BEIGE N002	163 164	FINANCE OFFICE
				165 166	ENGINEEF WEIGHTS/
	RS03	ROLLER SHADES - INTERIOR	VEROSOL PRODUCT: OMNIASCREEN	200	UTILITY
SS			3000 NET POWERSHADE OPENNESS: 1%	201 202	BREAK RC
.OSS			COLOR: WHITE/BEIGE	202 203A	ELECTRIC
<u>(</u>	CEILING PA	<u>NELS</u>		204 204A	SIGN PRO
	ACP01	ACOUSTICAL CEILING	ARMSTRONG WORLD INDUSTRIES, INC.	205	UNIFORM
		PANEL	TYPE: CIRRUS, TEGULAR SIZE: 2' X 2'	206 207	MENS LOC WOMENS
			COLOR: WHITE	207A	CL.
				208 208A	HWY. PAR TOOL CRII
	ACP02	ACOUSTICAL CEILING	ARMSTRONG WORLD INDUSTRIES, INC.	208B	STOR. ME
		PANEL	TYPE: CIRRUS, TEGULAR SIZE: 2' X 4'	209 210	HWY. OFF
			COLOR: WHITE	210A	SPECIALT
	40000			210B 210C	WELDING COMMON
	ACP03	CLEANABLE ACOUSTICAL	ARMSTRONG WORLD INDUSTRIES, INC. TYPE: KITCHENZONE, TEGULAR	210E	BREAK PA
		CEILING PANEL	SIZE: 2' X 4' COLOR: WHITE	211 212	SUPERVIS REPAIR O
			002014 11112	213 213A	STOCK RC
	TEC01	ACOUSTICAL CEILING	ARMSTRONG WORLD INDUSTRIES, INC.	213A 213B	BATTERY COMPRES
		PANEL	TYPE: TECTUM, DIRECT-ATTACH EDGE: LONG EDGE BEVLED/SHORT EDGE BEVELED	213C 213E	LUBE ROC
			SIZE: 4' X 8' THICKNESS: 1"	214	TIRE STOP
			COLOR: NATURAL TNA	215 C100	WASH BAY
	TEC02	ACOUSTICAL CEILING PANEL	ARMSTRONG WORLD INDUSTRIES, INC. TYPE: TECTUM, DIRECT-ATTACH	C101	CIRC
			EDGE: LONG EDGE BEVLED SIZE: 4' X 12'	C102 C103	CIRC VESTIBUL
			THICKNESS: 1"	C104	CIRC
		LINEAR VENEER	COLOR: WHITE TWH ARMSTRONG WORLD INDUSTRIES, INC.	C105 C106	CIRC VESTIBUL
1	WD01	PANEL	TYPE: WOODWORKS LINEAR	C107	VESTIBUL
			EDGE: TAPERED PLANK 1/4" REVEAL SIZE: 2' X 7'	C108 C109	WAITING CIRC
			COLOR: NATURAL VARIATIONS LIGHT CHERRY NLC	C110	CIRC
ļ		FACE		C111 C200	CIRC CIRC
•		SOLID SURFACE	WILSONART		
	SS01	COUNTERTOPS	PRODUCT: SOLID SURFACING		
			COLOR: WHITE STONE 9208CS		
	SS03	SOLID SURFACE	BRADLEY CORP OR EQUAL		
		SINKS	PRODUCT: TERREON RE SOLID SURFACE COLOR: BIRCH BARK		
<u> </u>	LAMINATE				
	LM01	WOODGRAIN	FORMICA		
		LAMINATE	PRODUCT: HIGH PRESSURE WOODGRAIN LAMINATE		
			SURFACE: MATTE COLOR: NATURAL TEAK 8849-58		
<u> </u>	HIGH PERF	ORMANCE COATIN	<u>GS</u>		
	HPC01	EPOXY STEEL	SHERWIN WILLIAMS OR EQUAL		
		COATING	COLOR: TBD FINISHES: HBGC-1 EGGSHELL		
2 / A-12	PO HPC03		DUDICK, INC. OR EQUAL		
<u>~ / A-1</u>		EPOXY COATING	SYSTEMS: PRIMER 67 / STERI-GLASS / SEALER		
			FINISHES: HBGC-3 SEMI-GLOSS SURFACE: SMOOTH SLIGHT ORANGE PEEL TEXTURE		
UNITS			COLOR: WHITE SYSTEM THICKNESS:		
			GYPSUM: 25 TO 30 MILS DRY FILM CONCRETE BLOCK: 45-60 MILS DRY FILM		
3 / A-12	20				
ASONRY'					(
IITS)					Ĺ

OOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING TYPE
)	LOBBY	LVT01	B01	WC01	TEC01
1	COMMISSIONER'S OFFICE	CPT02	B01	PT01	ACP01
1A	TOILET	TL01	TL02	PT06	PT08
1B		CPT02		PT01	PT08
IB	CL		B01		
2	OFFICE	CPT02	B01	PT01	ACP01
3	OFFICE	CPT02	B01	PT01	ACP01
1	OFFICE	CPT02	B01	PT01	ACP01
5	CONFERENCE	CPT03	B01	PT02	WD01/GWB
- 3	TOILET	TL01	TL02	PT06	PT08
7	TOILET	TL01	TL02	PT06	PT08
<u>,</u>					
5	JAN.	VCT01	B01	PT02	PT08
9	BREAK ROOM	ERT01	B01	PT01	ACP01
)	OFFICE	CPT02	B01	PT01	ACP01
1	OFFICE	CPT02	B01	PT01	ACP01
2	BREAK OUT CONFERENCE	CPT02	B01	PT01	ACP01
 ו	LOBBY	ERT01	B01	PT04	TEC01
) )A	RECEPTION	-		PT03	ACP01
JA ,		CPT01	B01		
1	CONFERENCE	CPT02	B01	PT02	WD01/GWB
2	SPECIAL PROJECTS	VCT01	B01	PT02	ACP01
3	FILE STORAGE	VCT01	B01	PT02	ACP01
1	SECRETARY	CPT01	B01	PT02	ACP01
5	DPW COMMISSIONER	CPT01	B01	PT02	ACP01
5 5A	TOILET	TL01	TL02	PT06	PT08
-					
5B	CL.	CPT01	B01	PT01	PT08
5	BREAK ROOM	ERT01	B01	PT01	ACP01
7	TOILET	TL01	TL02	PT06	PT08
3	IT ROOM	VCT01	B01	PT02	EXPOSED
9	JAN	VCT01	B01	PT02	PT08
<u>ן</u>	STORAGE	VCT01	B01	PT02	ACP01
1					
1	TOILET	TL01	TL02	PT06	PT08
2	OFFICE	CPT01	B01	PT02	ACP01
3	FINANCE	CPT01	B01	PT02	ACP01
1	OFFICE	CPT01	B01	PT02	ACP01
5	ENGINEERS OFFICE	CPT01	B01	PT02	ACP01
3	WEIGHTS/MEASURES	CPT01	B01	PT02	ACP01
<u>ן</u> ר	UTILITY	CONC	NONE	EXPOSED	EXPOSED
<u>,</u> 1	BREAK ROOM	LVT02	B01	PT01	ACP01
1					
2	JAN	VÇT01	B01	PT02	PT08
3A	ELECTRICAL		B01	HPC01	EXPOSED
1	SIGN PRODUCTION	VCT02	B01	HPC01	EXPOSED
1A	SIGN STORAGE	CONC	B01	HPC01	EXPOSED
5	UNIFORMS	ERT01	B01}	PT01	PT08
5	MENS LOCKER	UCF02	B02	GB01	PT08
7	WOMENS LOCKER	UCF02	B02	GB01	PT08
7.0					
7A	CL.	UCF02	B01	EXPOSED	EXPOSED
3	HWY. PARKING GARAGE	CONC	B01	HPC01	EXPOSED
3A	TOOL CRIB	CONC	B01	HPC01	EXPOSED
3B	STOR. MEZZ.	CONC	B01	HPC01	EXPOSED
9	HWY. OFFICE	VCT01	B01	PT02	ACP01
<u>-</u> ו	VEHICLE REPAIR SHOP	UCF01	B02	HPC01	EXPOSED
)A	SPECIALTY TOOL CRIB	UCF01A	B02	HPC01	EXPOSED
)B	WELDING	UCF01A	B02	HPC01	ACP03
C	COMMON WORK AREA	UCF01A	B02	HPC01	EXPOSED
DE	BREAK PAD	PUP01	EXPOSED	MWP	EXPOSED
1	SUPERVISING MECHANIC	VCT01	B01	PT02	ACP01
2	REPAIR OFFICE	VCT01	B01	PT02	ACP01
3	STOCK ROOM	CONC	B01	HPC01	EXPOSED
3A	BATTERY ROOM	CONC	B01	HPC01	EXPOSED
3B	COMPRESSOR RM	CONC	B01	HPC01	EXPOSED
3C	LUBE ROOM	CONC	B01	HPC01	EXPOSED
3E	STOCK MEZZANINE	CONC	B01	HPC01	EXPOSED
1	TIRE STORAGE	CONC	B01	HPC01	EXPOSED
5	WASH BAY	UCF01	B02	GB01	EXPOSED
00	VESTIBULE	WOM01	B01	GLAZ	PT08
01	CIRC	LVT01	B01	PT01	ACP01
02	CIRC	LVT01	B01	PT01	TEC01
03	VESTIBULE	WOM02	B01	PT01	PT08
04	CIRC	LVT01	B01	PT01	ACP01
05	CIRC	LVT01	B01	PT01	TEC01
06	VESTIBULE	WOM02	B01	PT01	PT08
07	VESTIBULE			PT01	PT08
		WOG01	B01		
08	WAITING	ERT01	B01	PT01	ACP01
09	CIRC	ERT01	B01	PT01	TEC01
10	CIRC	ERT01	B01	PT01	ACP01
11	CIPC	EDT01	D01	DT01	TEC01



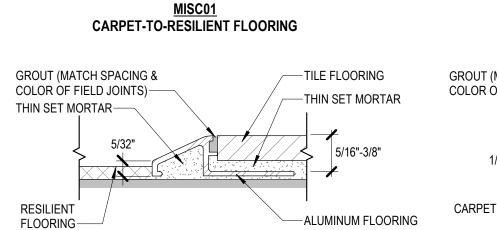




TEC01

EXPOSED

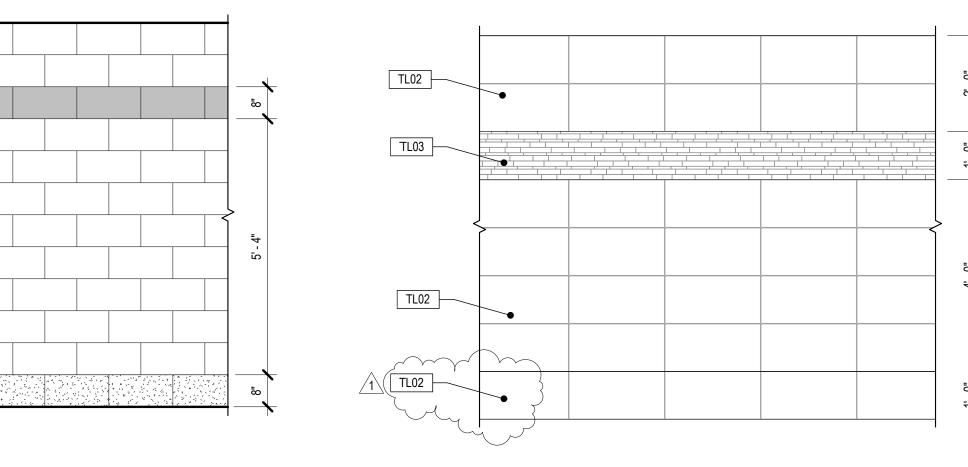
PT01

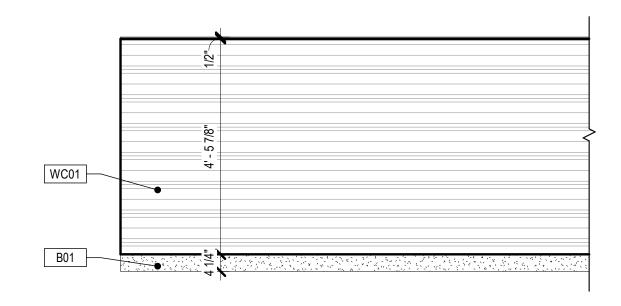


TRANSITION STRIP





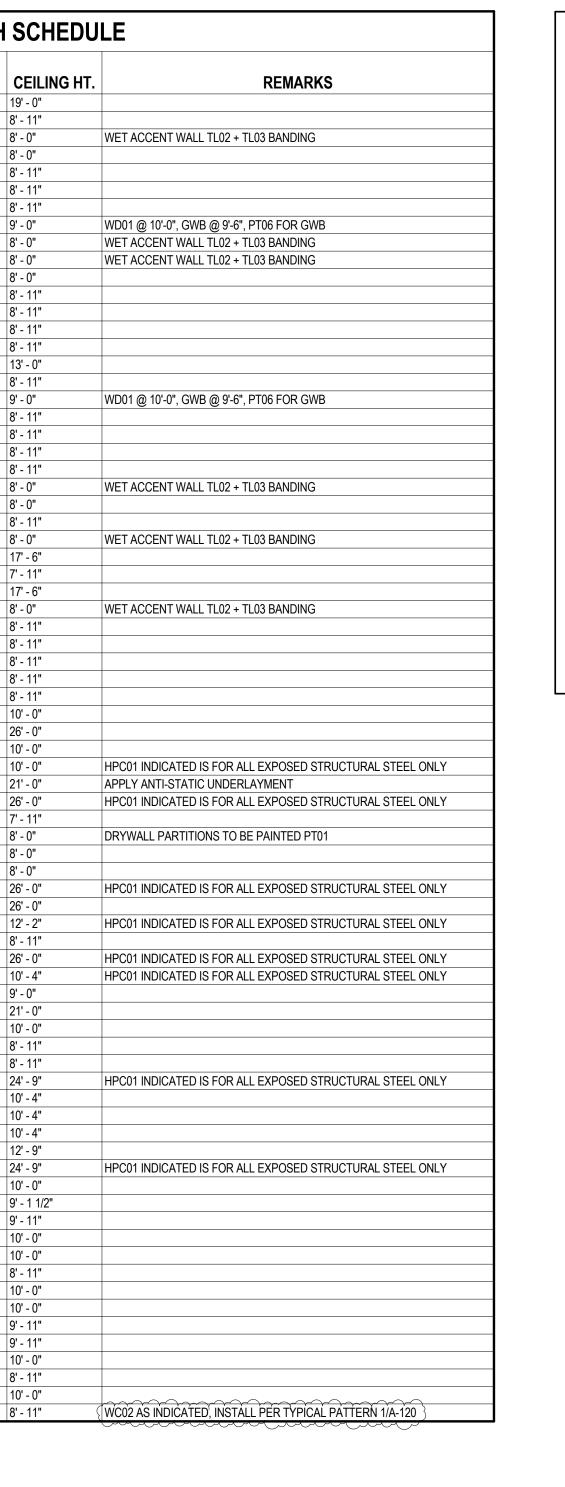




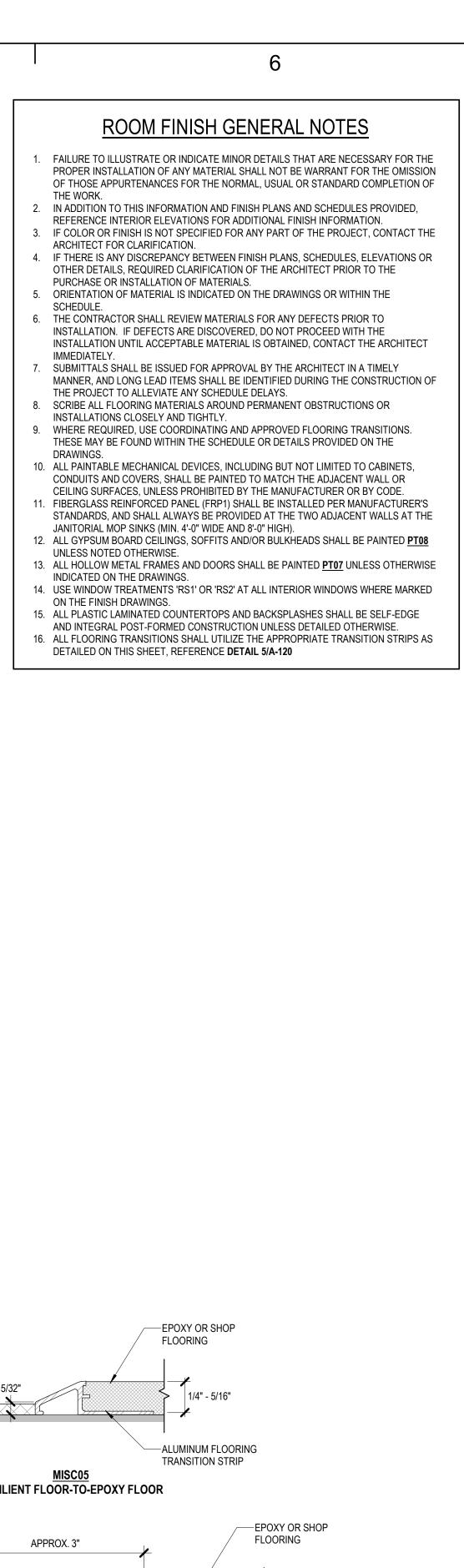




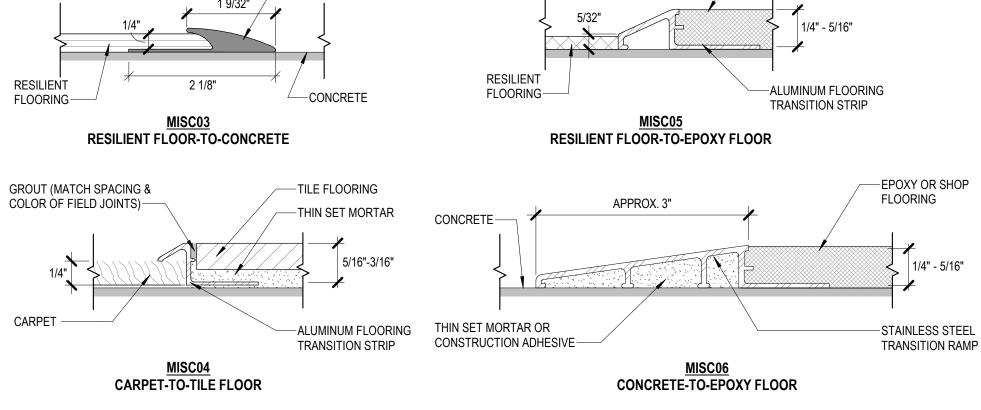




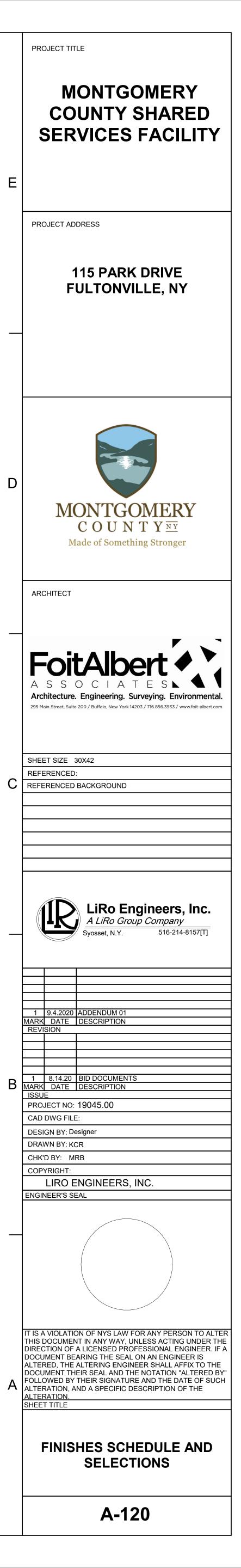
-RUBBER FLOORING TRANSITION STRIP

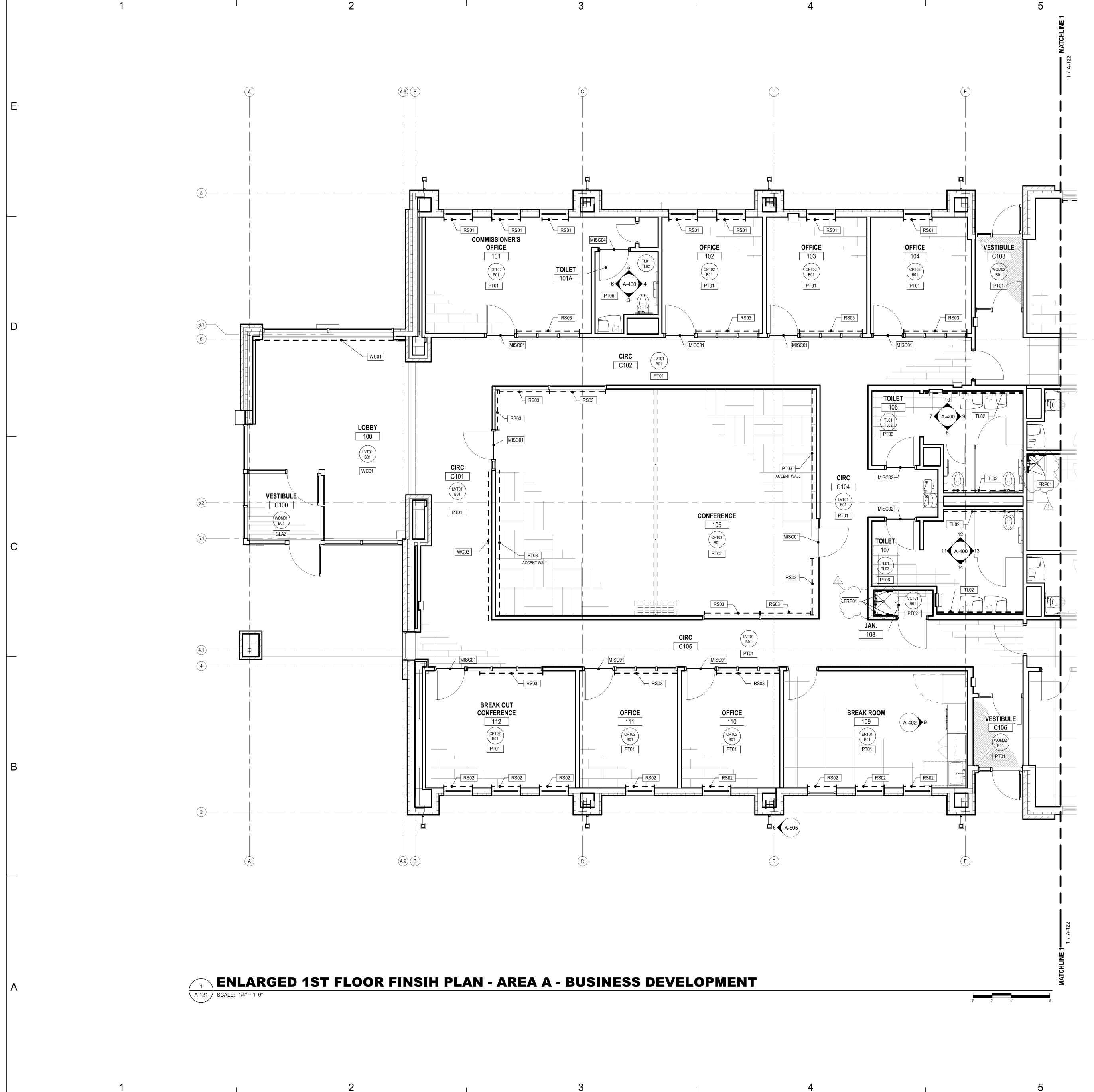


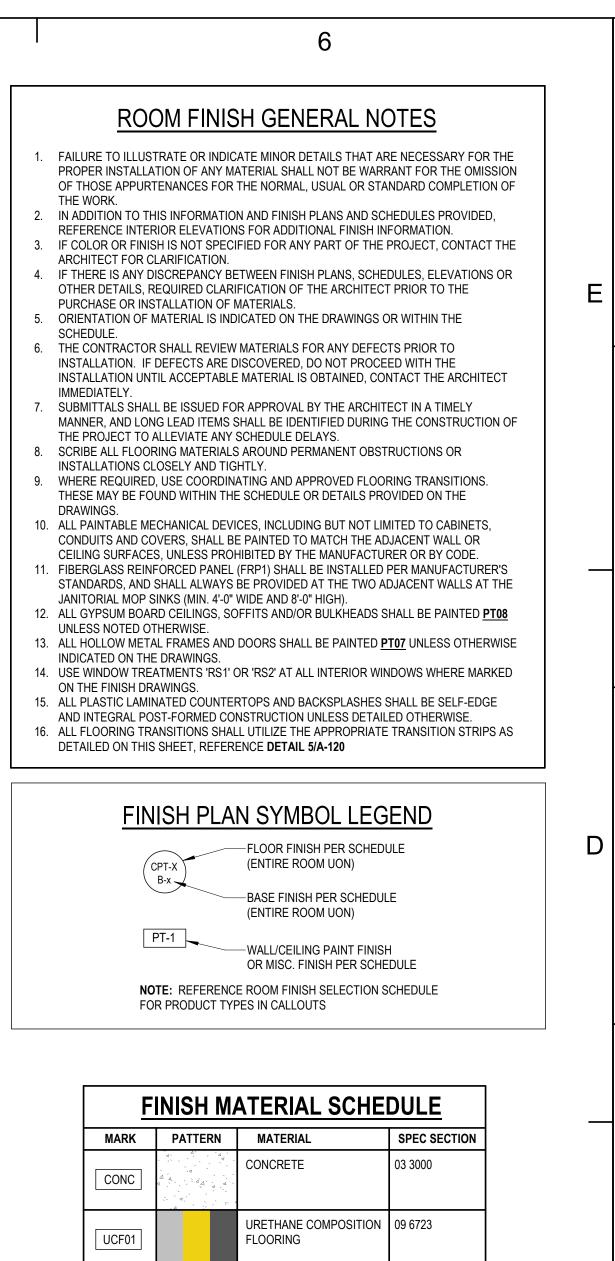
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# WALL PROTECTION PATTERN

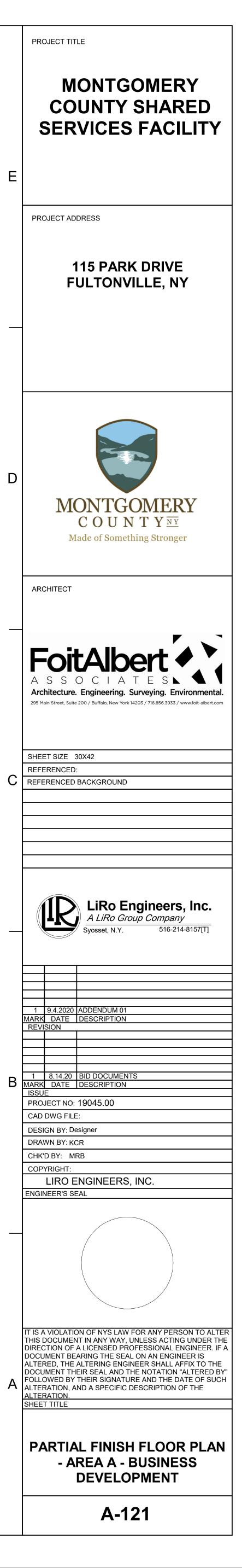


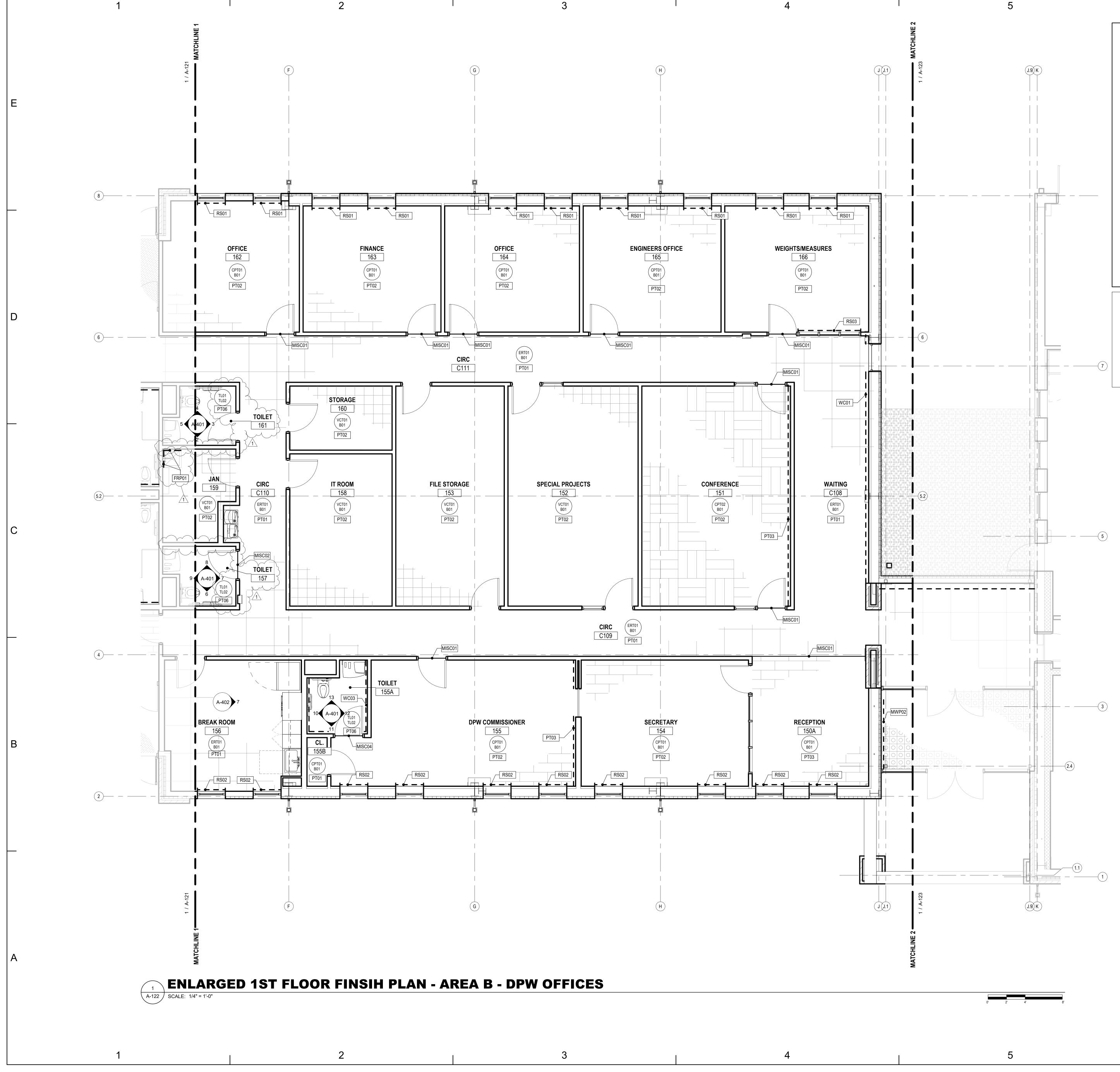


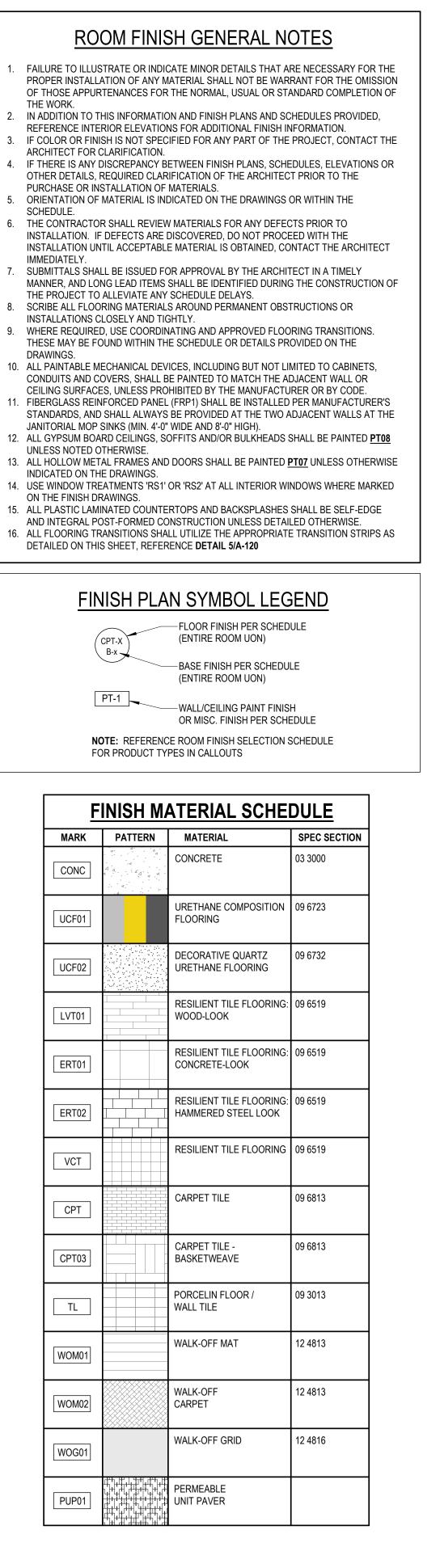


<u>F</u>	FINISH MATERIAL SCHEDULE				
MARK	PATTERN	MATERIAL	SPEC SECTIO		
CONC		CONCRETE	03 3000		
UCF01		URETHANE COMPOSITION FLOORING	09 6723		
UCF02		DECORATIVE QUARTZ URETHANE FLOORING	09 6732		
LVT01		Resilient tile flooring: Wood-Look	09 6519		
ERT01		RESILIENT TILE FLOORING: CONCRETE-LOOK	09 6519		
ERT02		RESILIENT TILE FLOORING: HAMMERED STEEL LOOK	09 6519		
VCT		RESILIENT TILE FLOORING	09 6519		
СРТ		CARPET TILE	09 6813		
CPT03		CARPET TILE - BASKETWEAVE	09 6813		
TL		PORCELIN FLOOR / WALL TILE	09 3013		
WOM01		WALK-OFF MAT	12 4813		
WOM02		WALK-OFF CARPET	12 4813		
WOG01		WALK-OFF GRID	12 4816		
PUP01		PERMEABLE UNIT PAVER			

KEY PLAN: NOT TO SCALE





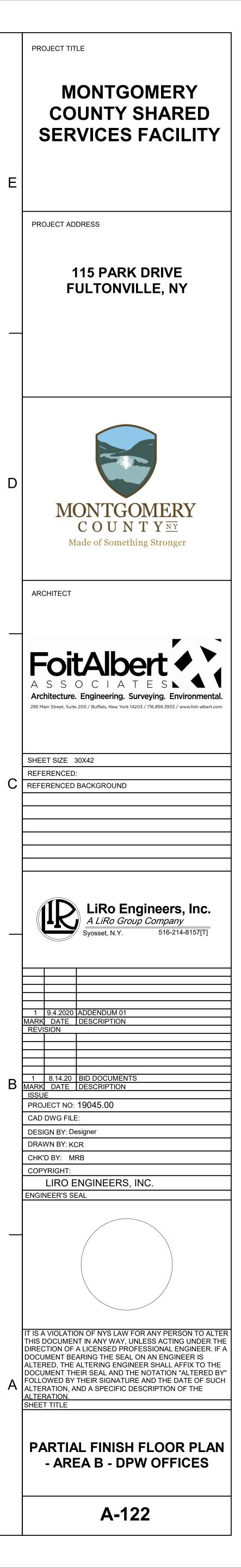


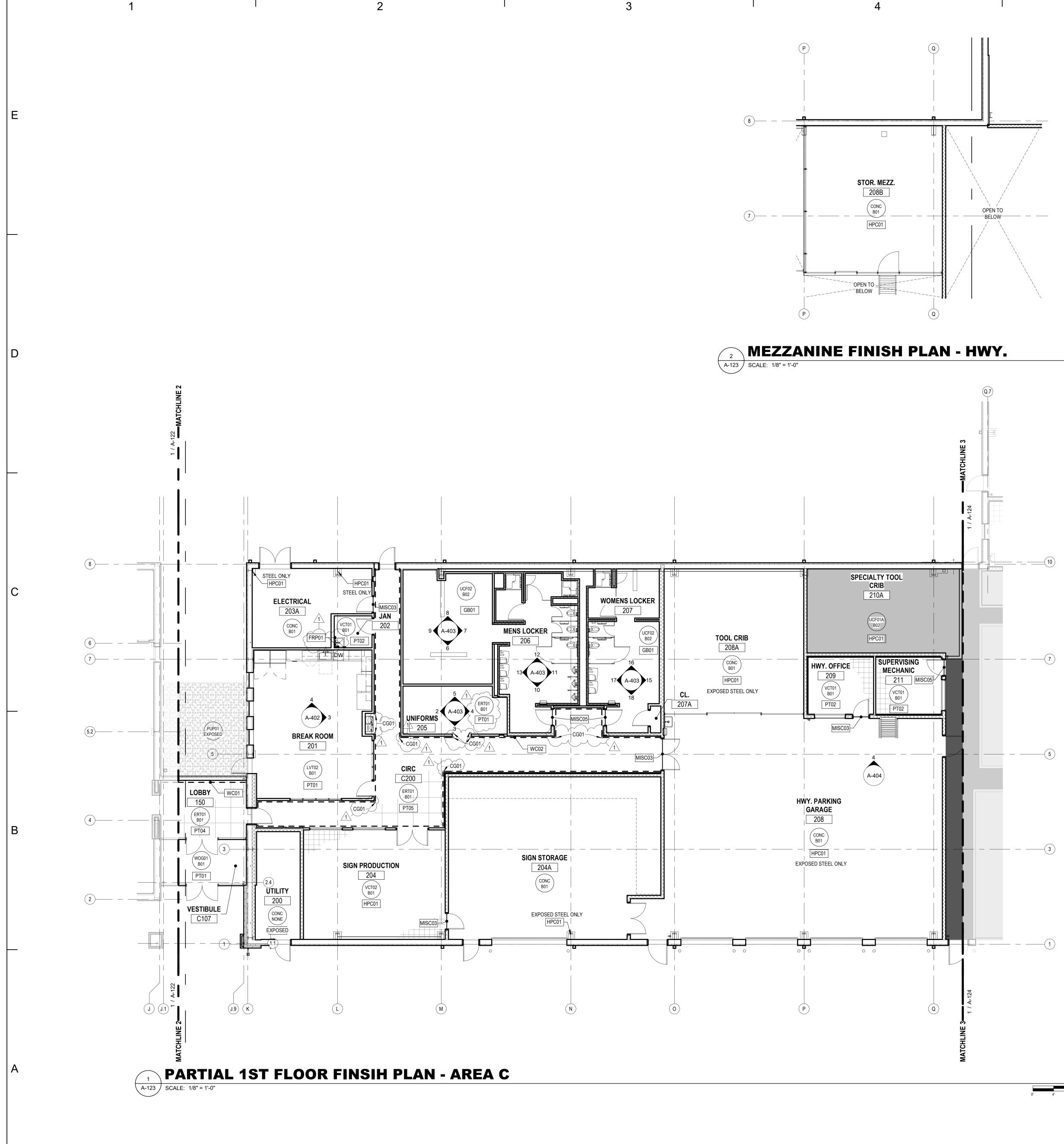
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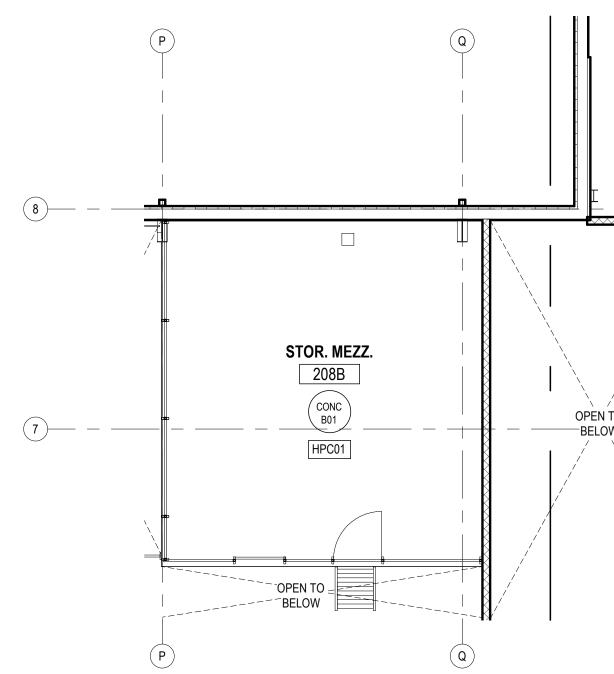
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**KEY PLAN: NOT TO SCALE** 







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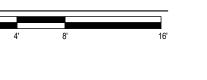
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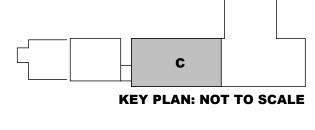
### ROOM FINISH GENERAL NOTES

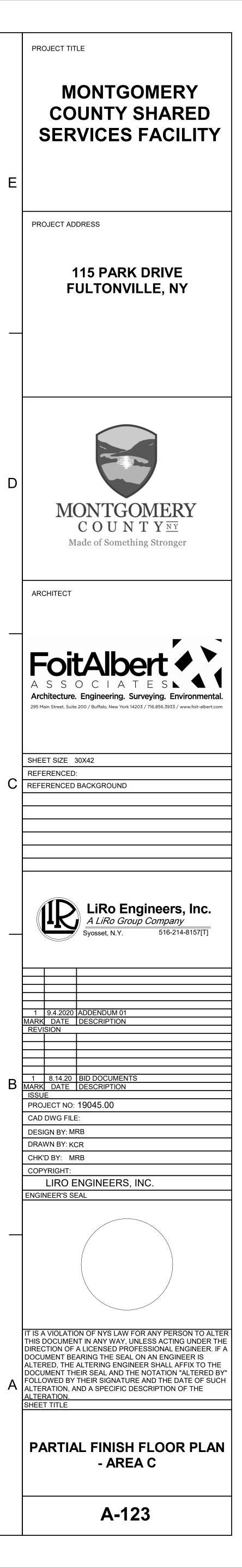
- 1. FAILURE TO ILLUSTRATE OR INDICATE MINOR DETAILS THAT ARE NECESSARY FOR THE PROPER INSTALLATION OF ANY MATERIAL SHALL NOT BE WARRANT FOR THE OMISSION OF THOSE APPURTENANCES FOR THE NORMAL, USUAL OR STANDARD COMPLETION OF THE WORK. 2. IN ADDITION TO THIS INFORMATION AND FINISH PLANS AND SCHEDULES PROVIDED, REFERENCE INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION. 3. IF COLOR OR FINISH IS NOT SPECIFIED FOR ANY PART OF THE PROJECT, CONTACT THE ARCHITECT FOR CLARIFICATION. 4. IF THERE IS ANY DISCREPANCY BETWEEN FINISH PLANS, SCHEDULES, ELEVATIONS OR OTHER DETAILS, REQUIRED CLARIFICATION OF THE ARCHITECT PRIOR TO THE PURCHASE OR INSTALLATION OF MATERIALS. 5. ORIENTATION OF MATERIAL IS INDICATED ON THE DRAWINGS OR WITHIN THE SCHEDULE. 6. THE CONTRACTOR SHALL REVIEW MATERIALS FOR ANY DEFECTS PRIOR TO INSTALLATION. IF DEFECTS ARE DISCOVERED, DO NOT PROCEED WITH THE INSTALLATION UNTIL ACCEPTABLE MATERIAL IS OBTAINED, CONTACT THE ARCHITECT IMMEDIATELY. 7. SUBMITTALS SHALL BE ISSUED FOR APPROVAL BY THE ARCHITECT IN A TIMELY MANNER, AND LONG LEAD ITEMS SHALL BE IDENTIFIED DURING THE CONSTRUCTION OF THE PROJECT TO ALLEVIATE ANY SCHEDULE DELAYS. 8. SCRIBE ALL FLOORING MATERIALS AROUND PERMANENT OBSTRUCTIONS OR INSTALLATIONS CLOSELY AND TIGHTLY.
- 9. WHERE REQUIRED, USE COORDINATING AND APPROVED FLOORING TRANSITIONS. THESE MAY BE FOUND WITHIN THE SCHEDULE OR DETAILS PROVIDED ON THE DRAWINGS. 10. ALL PAINTABLE MECHANICAL DEVICES, INCLUDING BUT NOT LIMITED TO CABINETS,
- CONDUITS AND COVERS, SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR CEILING SURFACES, UNLESS PROHIBITED BY THE MANUFACTURER OR BY CODE. 11. FIBERGLASS REINFORCED PANEL (FRP1) SHALL BE INSTALLED PER MANUFACTURER'S STANDARDS, AND SHALL ALWAYS BE PROVIDED AT THE TWO ADJACENT WALLS AT THE JANITORIAL MOP SINKS (MIN. 4'-0" WIDE AND 8'-0" HIGH). 12. ALL GYPSUM BOARD CEILINGS, SOFFITS AND/OR BULKHEADS SHALL BE PAINTED PT08
- UNLESS NOTED OTHERWISE. 13. ALL HOLLOW METAL FRAMES AND DOORS SHALL BE PAINTED PT07 UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 14. USE WINDOW TREATMENTS 'RS1' OR 'RS2' AT ALL INTERIOR WINDOWS WHERE MARKED ON THE FINISH DRAWINGS.
- 15. ALL PLASTIC LAMINATED COUNTERTOPS AND BACKSPLASHES SHALL BE SELF-EDGE AND INTEGRAL POST-FORMED CONSTRUCTION UNLESS DETAILED OTHERWISE. 16. ALL FLOORING TRANSITIONS SHALL UTILIZE THE APPROPRIATE TRANSITION STRIPS AS DETAILED ON THIS SHEET, REFERENCE DETAIL 5/A-120

FINISH PLAN	N SYMBOL LEGEND
CPT-X B-x	-FLOOR FINISH PER SCHEDULE (ENTIRE ROOM UON)
	-BASE FINISH PER SCHEDULE (ENTIRE ROOM UON)
PT-1	-WALL/CEILING PAINT FINISH OR MISC. FINISH PER SCHEDULE
NOTE: REFERENCE FOR PRODUCT TYPI	ROOM FINISH SELECTION SCHEDULE ES IN CALLOUTS

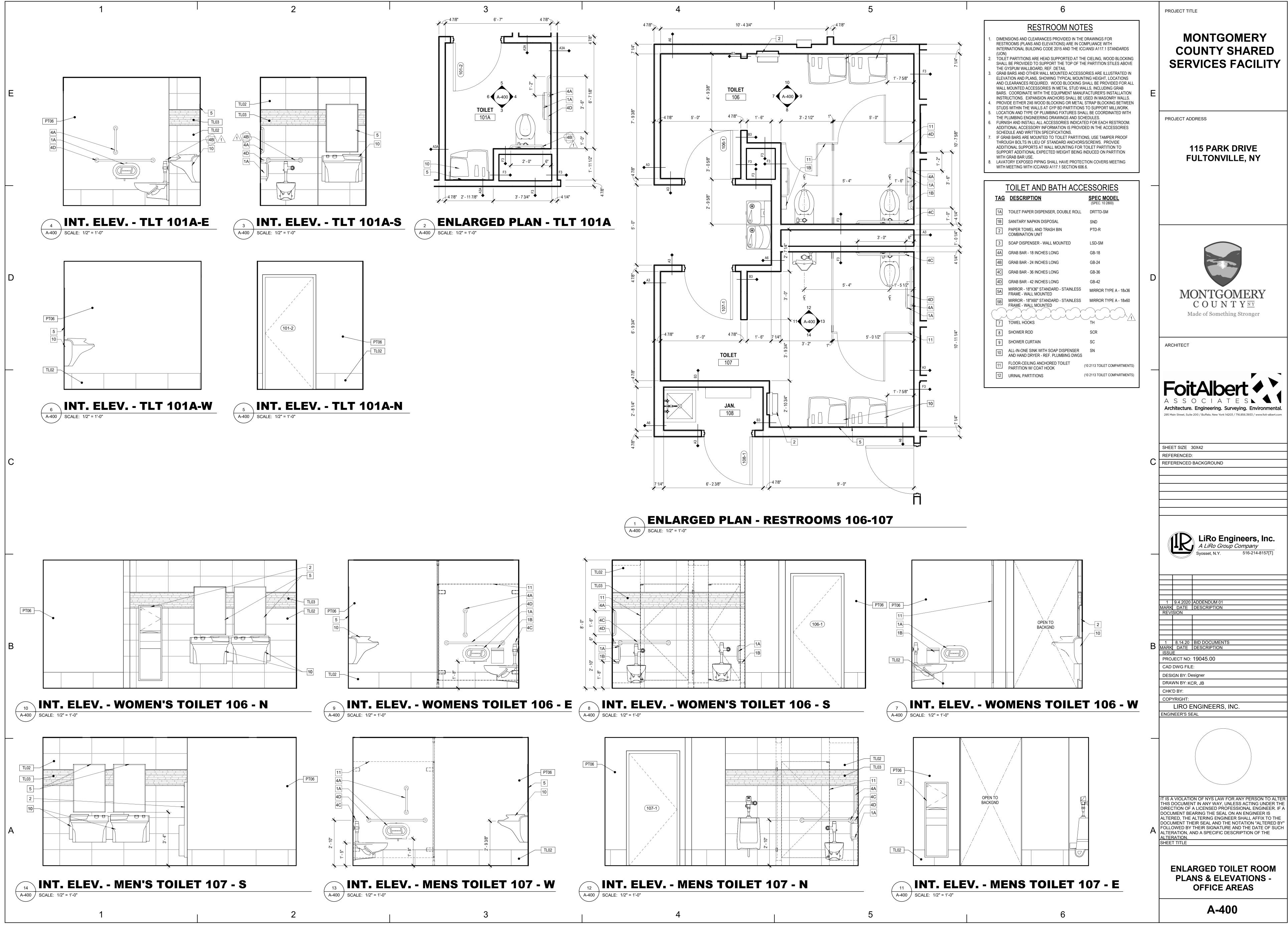
F	FINISH MATERIAL SCHEDULE					
MARK	PATTERN	MATERIAL	SPEC SECTION			
CONC		CONCRETE	03 3000			
UCF01		URETHANE COMPOSITION FLOORING	09 6723			
UCF02		DECORATIVE QUARTZ URETHANE FLOORING	09 6732			
LVT01		Resilient tile flooring: Wood-Look	09 6519			
ERT01		RESILIENT TILE FLOORING: CONCRETE-LOOK	09 6519			
ERT02		RESILIENT TILE FLOORING: HAMMERED STEEL LOOK	09 6519			
VCT		RESILIENT TILE FLOORING	09 6519			
CPT		CARPET TILE	09 6813			
CPT03		CARPET TILE - BASKETWEAVE	09 6813			
TL		PORCELIN FLOOR / WALL TILE	09 3013			
WOM01		WALK-OFF MAT	12 4813			
WOM02		WALK-OFF CARPET	12 4813			
WOG01	~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~	WALK-OFF GRID	12 4816			
PUP01		PERMEABLE UNIT PAVER				

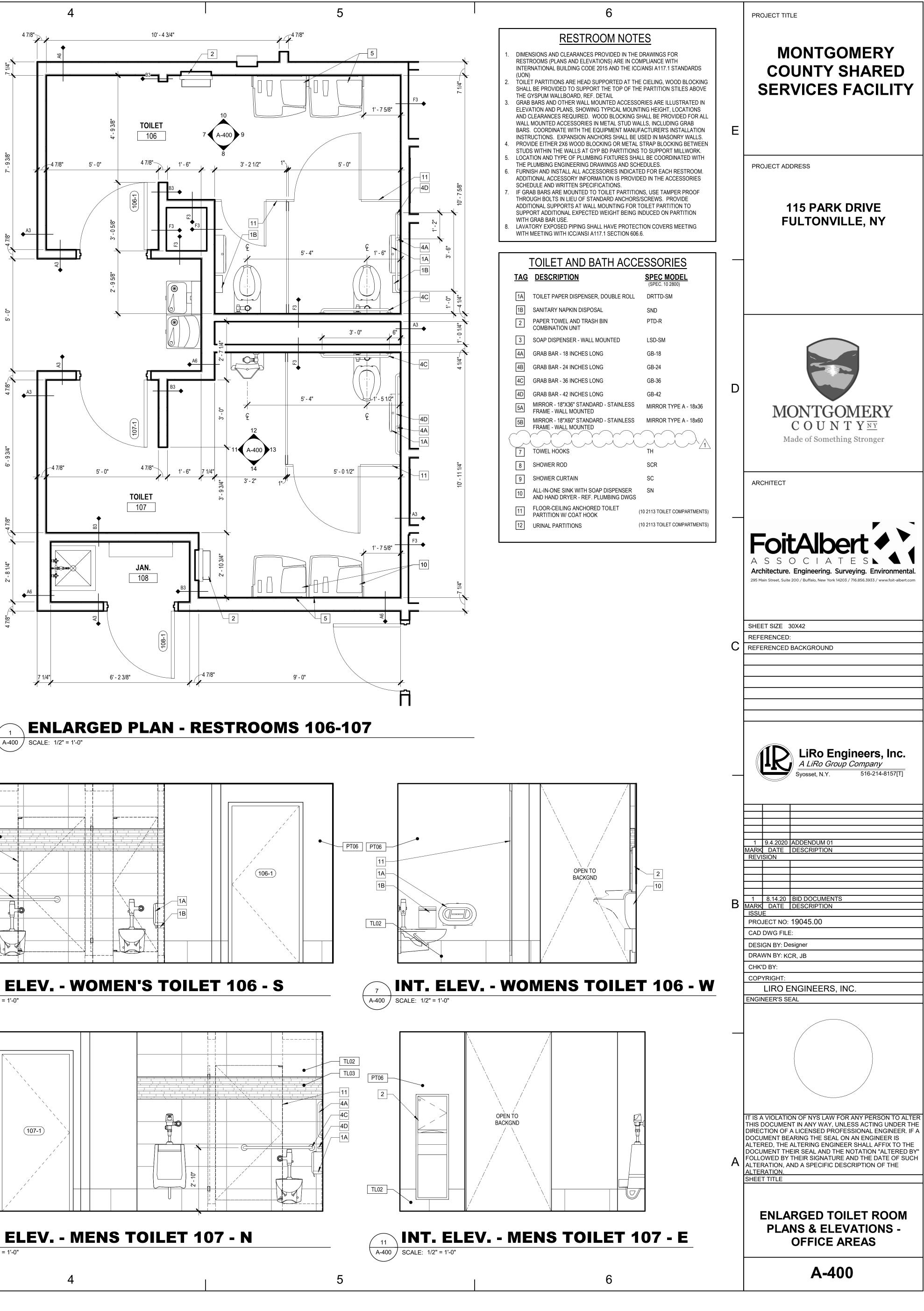


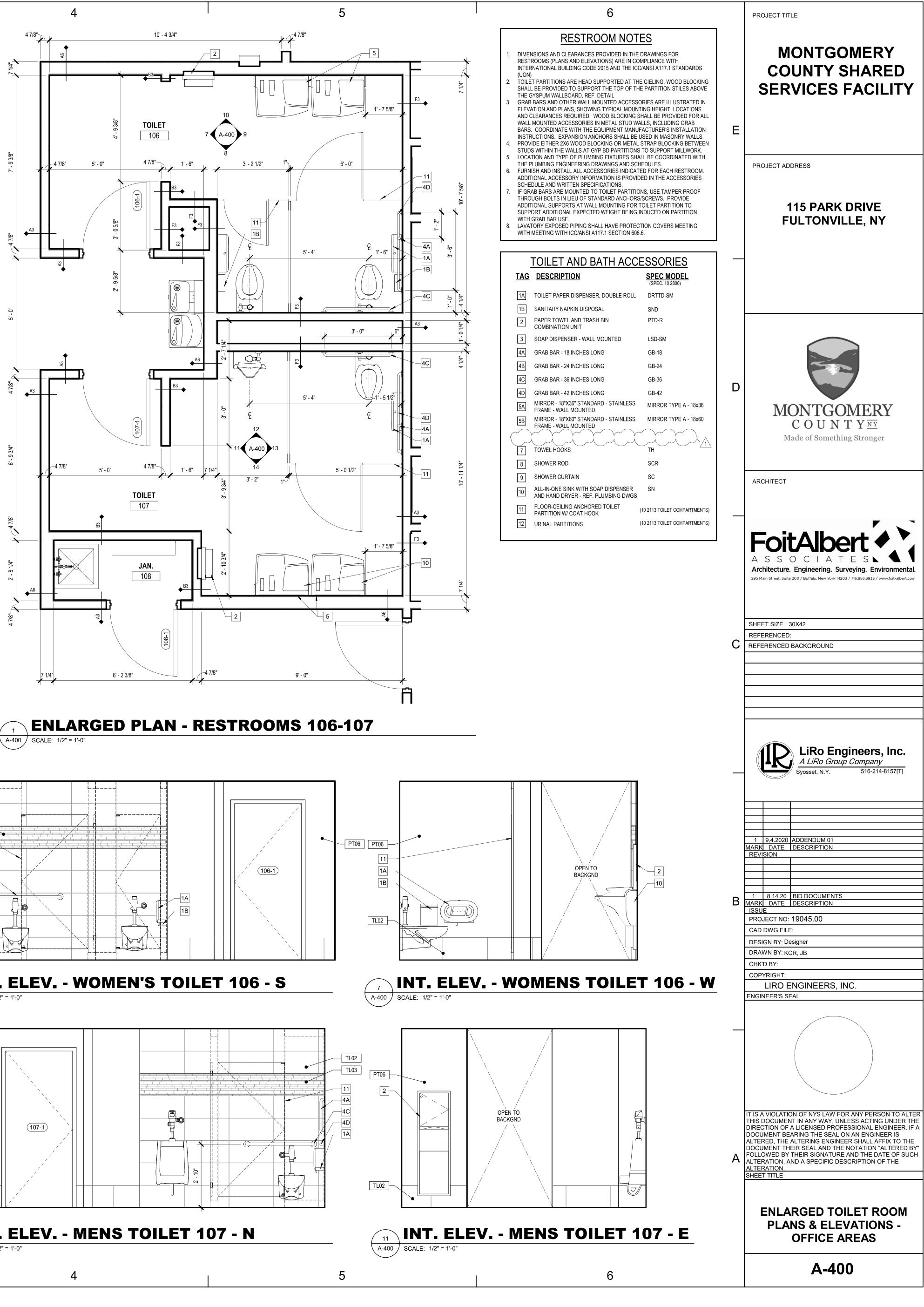


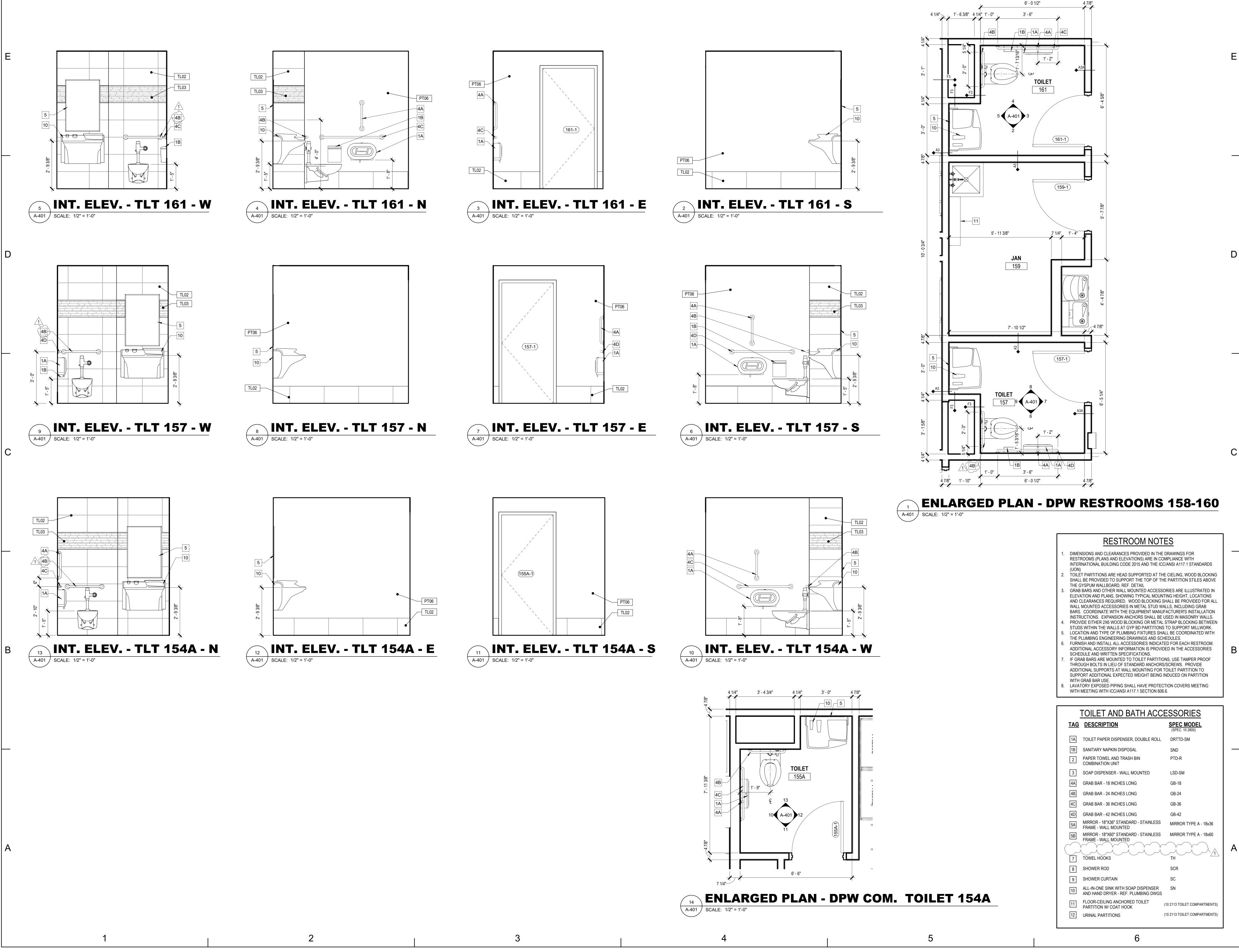


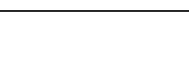
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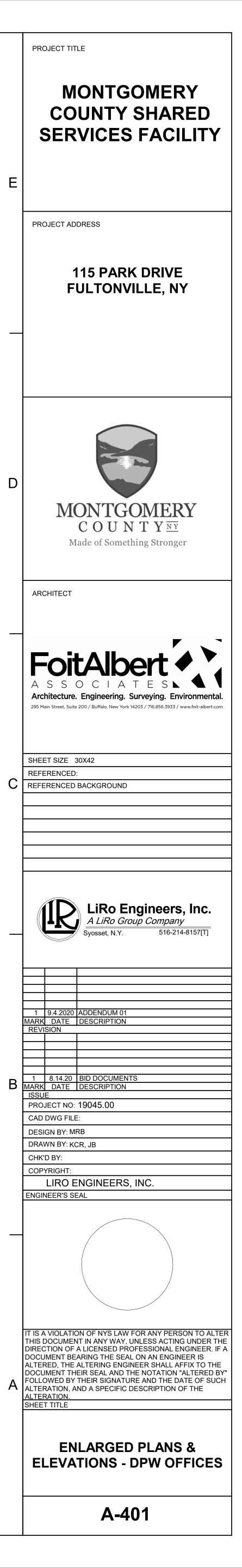


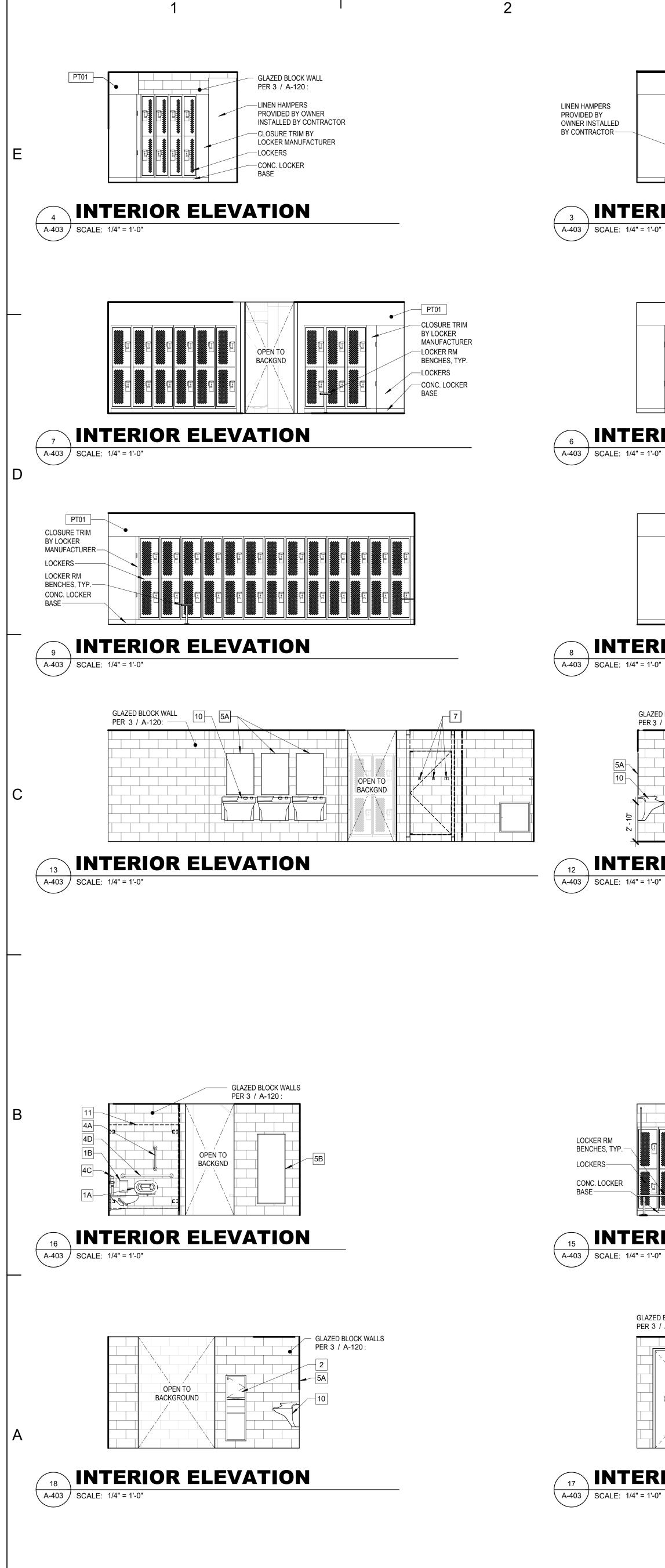












BACKGND		ERS LOCKER		OCKERS CONC. LOCKER PASE	
ERIOR ELEVA	TION	2 A-403 SCALE: 1	<b>ERIOR ELEN</b>	<b>/ATION</b>	
	PT01 CLOSURE TRIM BY LOCKER MANUFACTURER LOCKERS LOCKER RM BENCHES, TYP. CONC. LOCKER BASE	CLOSURE TRIM BY LOCKER MANUFACTURER			F UU PI IN CU BJ CU
ERIOR ELEVA	TION	5 A-403 SCALE: 1	<b>TERIOR ELEN</b>	ATION	
	PT01 LOCKERS AS SPECIFIED LOCKER RM BENCHES, TYP. CONC. LOCKER BASE				
ERIOR ELEVA	TION				
GLAZED BLOCK WALL PER 3 / A-120 :	11 7 4A 4D 1A 4C 0 	SHOWER TYPE 'SH' PER PLUMB DWGS			
ERIOR ELEVA	TION	11 A-403 SCALE: 1	<b>TERIOR ELEN</b>	<b>/ATION</b>	1'
				5'- 10 3/8" 3'- 7 1/2"	
	TION	GLAZED BLOCK WA PER 3 / A-120 :		15 <sup>-</sup> - 9 3/4"	4A 11 1A 4D 4C 1B
= 1'-0"					2
SLAZED BLOCK WALLS PER 3 / A-120: 207-1 207-1 207-1			-ACCESS DOOR LOCKER RM. BENCHES - TYP.	<u>,</u>	
ERIOR ELEVA	TION				<b>NLA</b> LE: 1/4" =

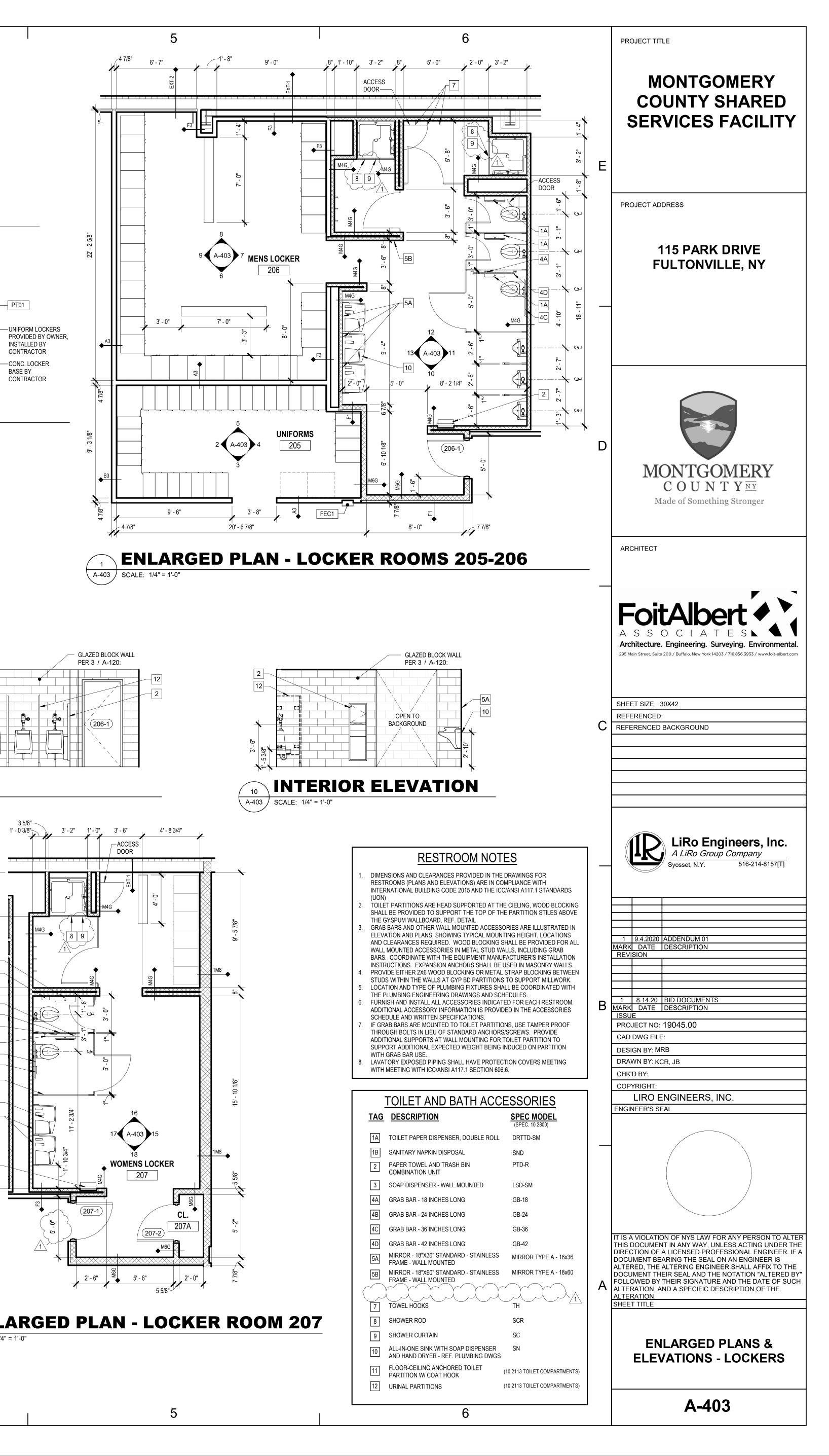
OPEN TO BACKGND

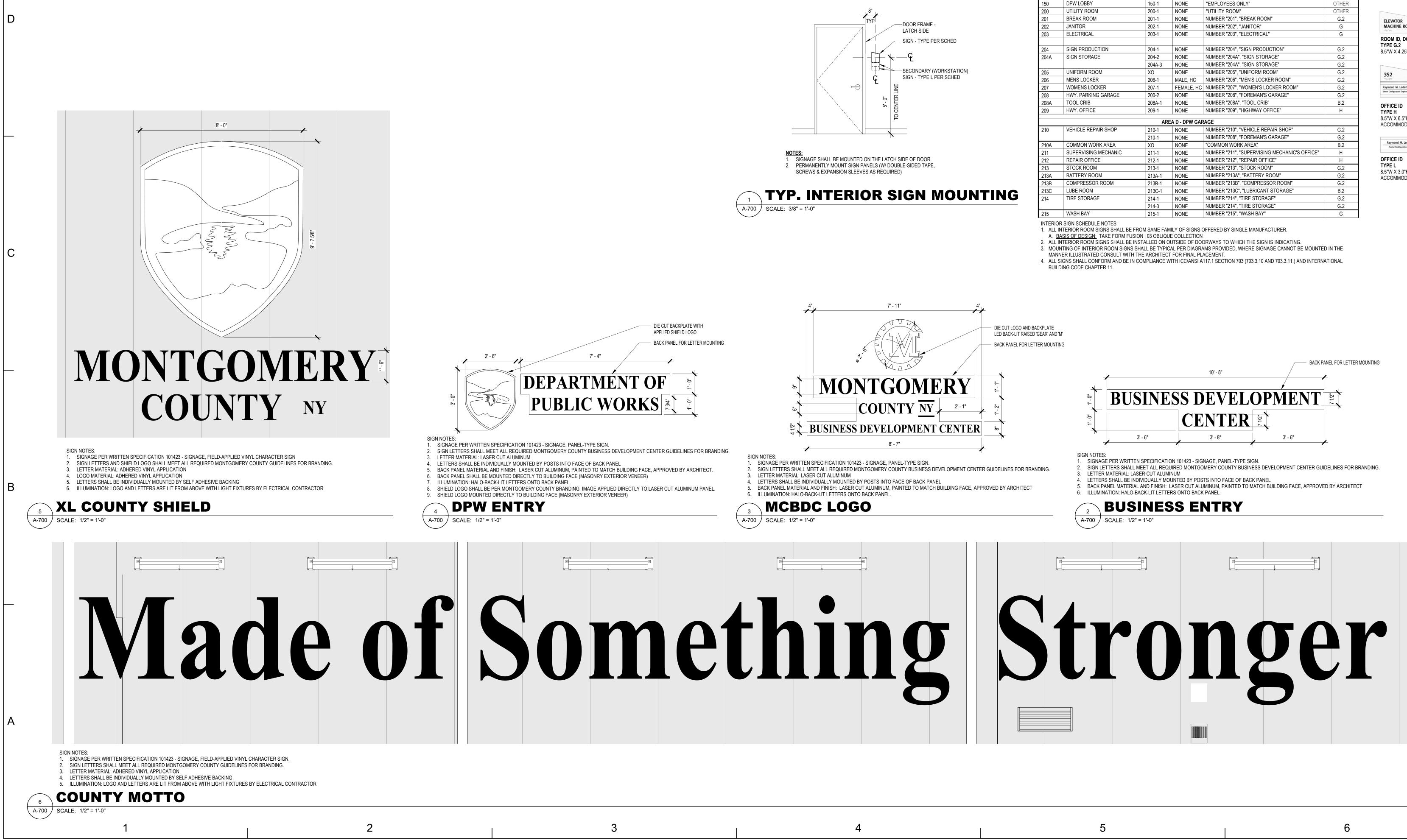
- PT01

MANUFACTURER

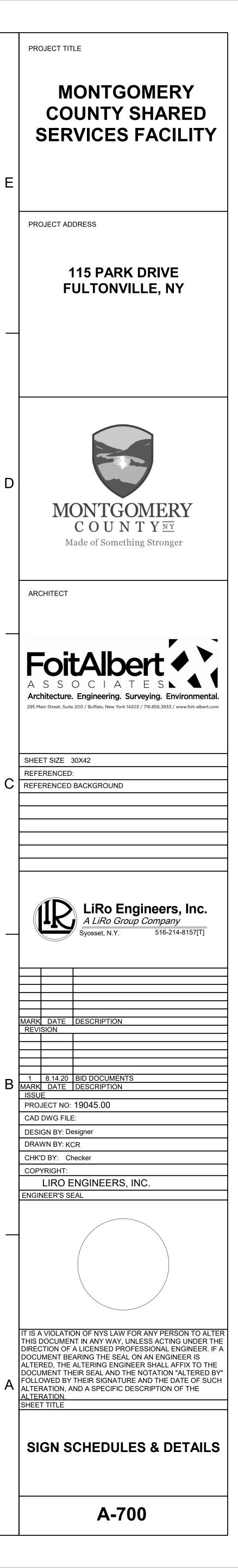
PT01

MANUFACTURER





		INTERIO	DR SIGI	N SCHEDULE		
NUMBER	ROOM	DOOR NUMBER	SIGN IMAGE	SIGN COPY	SIGN TYPE	352 146/382
		ARFA A - BUSIN				
101	COMMISSIONER'S OFFICE	101-1	NONE	NUMBER "101"	Н	
101	OFFICE	101-1	NONE	NUMBER "102"	H	PAPER
102	OFFICE	102-1	NONE	NUMBER "103"	H	INSERT
103	OFFICE	103-1	NONE	NUMBER "104"	H	HERE
105	CONFERENCE ROOM	105-1	NONE	NUMBER "105"	B.2	
105		105-2	NONE	NUMBER "105"	B.2	
106	WOMEN'S TOILET	106-1	FEMALE, HC		E.2	
107	MEN'S TOILET	107-1	MALE, HC	NUMBER "107", "RESTROOM"	E.2	SMALL DIRECTORY
107	JANITOR	107-1	NONE	NUMBER "108", "JANITOR"	G.2	
	BREAK ROOM	109-1	NONE	NUMBER "109", "BREAK ROOM"	G.2 G.2	8.5"W X 14.75"H ACCOMMODATES INSE
109	OFFICE		NONE	NUMBER "110", "OFFICE"	H	
110		110-1				
111		111-1	NONE	NUMBER "111", "OFFICE"	H	
112	BREAK OUT CONFERENCE	112-1	NONE	NUMBER "112", "BREAK OUT"	B.2	
			-	TION OFFICES		
151	CONFERENCE ROOM	151-1	NONE	NUMBER "151", "CONFERENCE"	B.2	
		151-2	NONE	NUMBER "151", "CONFERENCE"	B.2	TIG
152	SPECIAL PROJECTS	152-1	NONE	NUMBER "152", "SPECIAL PROJECTS"	G.2	
		152-2	NONE	NUMBER "152", "SPECIAL PROJECTS"	G.2	RESTROOM
153	FILE STORAGE	153-1	NONE	NUMBER "153", "FILE STORAGE"	G.2	
		153-2	NONE	NUMBER "153", "FILE STORAGE"	G.2	<b>RESTROOM SIGN</b>
154	SECRETARY	154-1	NONE	NUMBER "154", "OFFICE"	Н	TYPE E.2
155	DPW COMMISSIONER	155-1	NONE	NUMBER "155", "COMMISSIONER"	Н	8.5"W X 11.75"H
156	BREAK ROOM	156-1	NONE	NUMBER "156", "BREAK ROOM"	G.2	
157	TOILET	157-1	M, F, HC	NUMBER "157", "RESTROOM"	E.2	$\left\{ \right\}$
58	IT SERVER	158-1	NONE	NUMBER "158", "SERVER ROOM"	G.2	$\geq 12$
59	JANITOR	159-1	NONE	NUMBER "159", "JANITOR"	G	
160	STORAGE	160-1	NONE	NUMBER "160", "STORAGE"	G	$\mathcal{E}$
161	TOILET	161-1	M, F, HC	NUMBER "161", "RESTROOM"	E.2	
162	OFFICE	162-1	NONE	NUMBER "162", "OFFICE"	H, L	, VIII
163	FINANCE	163-1	NONE	NUMBER "163", "OFFICE"	H,L	1
164	OFFICE	164-1	NONE	NUMBER "164", "OFFICE"	⊢ ⊢ ⊢ L ∠ É	ELECTRICAL
165	OFFICE	165-1	NONE	NUMBER "165", "OFFICE"	( H, L <	4=9.4.3=2
166	OFFICE	165-1	NONE	NUMBER "165", "WEIGHTS & MEASURES"	( H, L /	ROOM ID, SINGLE LINE
		AREA	C - DPW SUP	PORT		<b>TYPE G</b> 8.5"W X 3.25"H
150	DPW LOBBY	150-1	NONE	"EMPLOYEES ONLY"	OTHER	
200	UTILITY ROOM	200-1	NONE	"UTILITY ROOM"	OTHER	
201	BREAK ROOM	201-1	NONE	NUMBER "201", "BREAK ROOM"	G.2	ELEVATOR
202	JANITOR	202-1	NONE	NUMBER "202", "JANITOR"	G	MACHINE ROOM
203	ELECTRICAL	203-1	NONE	NUMBER "203", "ELECTRICAL"	G	4854389
						ROOM ID, DOUBLE LIN
204	SIGN PRODUCTION	204-1	NONE	NUMBER "204", "SIGN PRODUCTION"	G.2	<b>TYPE G.2</b> 8.5"W X 4.25"H
204A	SIGN STORAGE	204-2	NONE	NUMBER "204A", "SIGN STORAGE"	G.2	0.0 11 4.20 11
		204A-3	NONE	NUMBER "204A", "SIGN STORAGE"	G.2	
205	UNIFORM ROOM	XO	NONE	NUMBER "205", "UNIFORM ROOM"	G.2	252
206	MENS LOCKER	206-1	MALE, HC	NUMBER "206", "MEN'S LOCKER ROOM"	G.2	352 ***/3*2
207	WOMENS LOCKER	207-1	FEMALE, HC		G.2	Raymond M. Lederhaus
208	HWY. PARKING GARAGE	200-2	NONE	NUMBER "208", "FOREMAN'S GARAGE"	G.2	Senior Configuration Engineer
208A	TOOL CRIB	208A-1	NONE	NUMBER "208A", "TOOL CRIB"	B.2	
209	HWY. OFFICE	209-1	NONE	NUMBER "209", "HIGHWAY OFFICE"	H	OFFICE ID TYPE H
	···· <b>·································</b>					8.5"W X 6.5"H
210			A D - DPW GAR	RAGE NUMBER "210", "VEHICLE REPAIR SHOP"		ACCOMMODATES INSE
210	VEHICLE REPAIR SHOP	210-1	NONE		G.2	
240.4		210-1	NONE	NUMBER "208", "FOREMAN'S GARAGE"	G.2	Raymond M. Lederhaus
210A		XO	NONE		B.2	Senior Configuration Engineer
211	SUPERVISING MECHANIC	211-1	NONE	NUMBER "211", "SUPERVISING MECHANIC'S OFFICE"	Н	
212	REPAIR OFFICE	212-1	NONE	NUMBER "212", "REPAIR OFFICE"	H	OFFICE ID TYPE L
213	STOCK ROOM	213-1	NONE	NUMBER "213", "STOCK ROOM"	G.2	8.5"W X 3.0"H
213A	BATTERY ROOM	213A-1	NONE	NUMBER "213A", "BATTERY ROOM"	G.2	ACCOMMODATES INSE
213B	COMPRESSOR ROOM	213B-1	NONE	NUMBER "213B", "COMPRESSOR ROOM"	G.2	
213C	LUBE ROOM	213C-1	NONE	NUMBER "213C", "LUBRICANT STORAGE"	B.2	
214	TIRE STORAGE	214-1	NONE	NUMBER "214", "TIRE STORAGE"	G.2	
		214-3	NONE	NUMBER "214", "TIRE STORAGE"	G.2	



		EQUIPMENT LIST		
OF/OI	OWNER FURNISHED/OWNER INSTALLED			$\square$
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED			
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED			
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTAL	LED		
EQUIP #	DESCRIPTION	NOTES	MANUFACTURER	
1040	SHELVING UNIT- BIN, NUT AND BOLT		EQUIPTO	<u> </u>
1113 1140	CABINET, 9 DRAWER- METAL SHELF STORAGE CABINET, PAINT/INK		STANLEY VIDMAR	-
1141	CABINET, ACID/CORROSSIVE		STANLEY VIDMAR	
142	CABINET, FLAMMABLE		STANLEY VIDMAR	_
<u>1305</u> 1306	LADDER, SAFETY, ROLLING- 50 DEGREE - 70"H PORTABLE STAIRS	RELOCATED FROM EXISTING FACILITY	LADDERMAN	+
1640	RACK, TIRE, THREE TIER RACK	RELOCATED FROM EXISTING FACILITY		
<u>1680</u> 1765	SHELVING UNIT, 18" TABLE, LAYOUT, STEEL TOP, 117"WX30"DX36"H		EQUIPTO BENCH DEPOT	+
1776	TABLE, LAYOUT, WOOD TOP, 120"WX30"WX36"H		BENCH DEPOT	
1860	WORKBENCH, SEVERE USE, STEEL TOP, 72" X 32" X 34"H		SERVICE SCAFFOLD	
2020	ANVIL WITH STAND	RELOCATED FROM EXISTING FACILITY	SCAFFOLD	+
2030	BENCH, BATTERY			$\uparrow$
2110	TIRE INFLATION CAGE	RELOCATED FROM EXISTING FACILITY		+
			ASSOCIATED	+
2130	CHARGER, BATTERY, FIXED		EQUIPMENT CORP	<u> </u>
2210 2211	DRILL PRESS, VARIABLE SPEED, 20" DRILL PRESS	RELOCATED FROM EXISTING FACILITY		+
2450	LARGE TIRE MOUNTER/DEMOUNTER	RELOCATED FROM EXISTING FACILITY		+
			HENNESSY	
2451	SMALL TIRE MOUNTER/DEMOUNTER		INDUSTRIES- COATS	
2535	PRESS, ELECTRONIC/HYDRAULIC-HEAVY DUTY-		отс	$\uparrow$
2000	55 TON REFRIGERANT RECLAMATION SYSTEM,			+
2640	PORTABLE		ROBINAIR	
2680	LATHE	RELOCATED FROM EXISTING FACILITY		
2690 2714	SAW, BAND, COMBINATION, VERT./HORIZ.	RELOCATED FROM EXISTING FACILITY	WELLSAW	+-
2832	VISE, COMBINATION, SWIVEL BASE, 5"		REED	-
			MANUFACTURING	_
2881 2900	BENCH GRINDER WELDER, MIG, PORTABLE	RELOCATED FROM EXISTING FACILITY		+
2901	WELDER, MIG, PORTABLE	RELOCATED FROM EXISTING FACILITY		
2910	WELDING CURTAIN		STEINER	A
2915	PORTABLE WELDING CURTAIN		STEINER	+
				S
2920 2925	TORCH, OXYACETYLENE, PORTABLE, W/ CART PLASMA CUTTER		LINCOLN MILLER	5
3357	SCRUBBER, FLOOR, BATTERY, WALK BEHIND		TENNANT COMPANY	
3400				_
3400 3401	FORKLIFT, DIESEL PALLET JACK	RELOCATED FROM EXISTING FACILITY	WESCO	+
3624	PORTABLE VACUUM SYSTEM		DYNABRADE	
3720	GAS PRESSURE WASHER, HOT WATER		HOTSY COORPORATION	
2704			HOTSY	+
3721	HOSE REEL FOR 3720		COORPORATION	_
3785 3786	WASHER, PARTS, JET SPRAY, SMALL WASHER, PARTS, JET SPRAY, SMALL	RELOCATED FROM EXISTING FACILITY	ZEP	
4912	WHEEL BALANCER, ELECTRONIC, LARGE TIRE	RELOCATED FROM EXISTING FACILITY		
4913	WHEEL BALANCER, ELECTRONIC, SMALL TIRE	RELOCATED FROM EXISTING FACILITY		-
5015	CART, BATTERY LIFT		GLOBAL INDUSTRIAL	
5030	CART, PARTS		PUCEL INDUSTRIES	
5080 5280	CRANE, JIB, COMPRESSION, 12' SPAN, 1 TON CRANE, PORTABLE, 2 TON		ABELL-HOWE SPX	+
5290	DOLLY, DRUM, 600-LB		HAMILTON CASTER	-
5312 5313	WHEEL DOLLY JACK STAND- TALL	RELOCATED FROM EXISTING FACILITY	STERTIL KONI	S
5313	JACK STAND-TALL JACK STAND-SHORT	RELOCATED FROM EXISTING FACILITY RELOCATED FROM EXISTING FACILITY		<u> </u>
5316	TRANSMISSION JACK- FLOOR MOUNTED-AIR	RELOCATED FROM EXISTING FACILITY		
5317	OPERATED HEAVY DUTY FLOOR JACK	RELOCATED FROM EXISTING FACILITY		+
5318	SMALL FLOOR JACK	RELOCATED FROM EXISTING FACILITY		$\downarrow$
5319 5320	10 TON AIR LIFT PIPE THAW MACHINE	RELOCATED FROM EXISTING FACILITY		$\vdash$
5320 5321	BALLYMORE MAN LIFT	RELOCATED FROM EXISTING FACILITY RELOCATED FROM EXISTING FACILITY		+
5322	JUMPING JACK	RELOCATED FROM EXISTING FACILITY		
5323 5324	PORTABLE GENERATOR STRUT TAMMER	RELOCATED FROM EXISTING FACILITY		+
5325			GLOBAL	+
5362		QTY 4 WITH 15 INCH FORKS AND QTY 2	COFFING	+
5600	PORTABLE LIFT- SET OF 6	WITH 22 INCH FORKS	MOHAWK	_
5670	2-POST AUTOMOTIVE LIFT- 16,000 LBS		MOHAWK	+
5703	LIFT, DRIVE-ON, PARALLELOGRAM,40,000 LBS, 30 FT LONG TRACK	BEAM AND TRACK LIGHTS	MOHAWK	
5704	CONTROLLER, PLATFORM LIFT			1
8122	TIRE CAROUSEL		VIDIR	+
8165	DRAIN PAN, PORTABLE, USED OIL		GRACO	2
8166	DRAIN PAN, PORTABLE, USED COOLANT		GRACO	24
8492	OIL FILTER PRESS		GRAY AUTOMOTIVE PRODUCTS	
9350	FILTER, ELECTROSTATIC		PLYMOVENT	+
9351	MISCELLANIOUS METAL STORAGE	RELOCATED FROM EXISTING FACILITY		$\square$
9352	CONDUIT AND PIPE STORAGE RACK CUTTING EDGES AND SCRAPPING BLAD	RELOCATED FROM EXISTING FACILITY		+
9989		RELOCATED FROM EXISTING FACILITY		1

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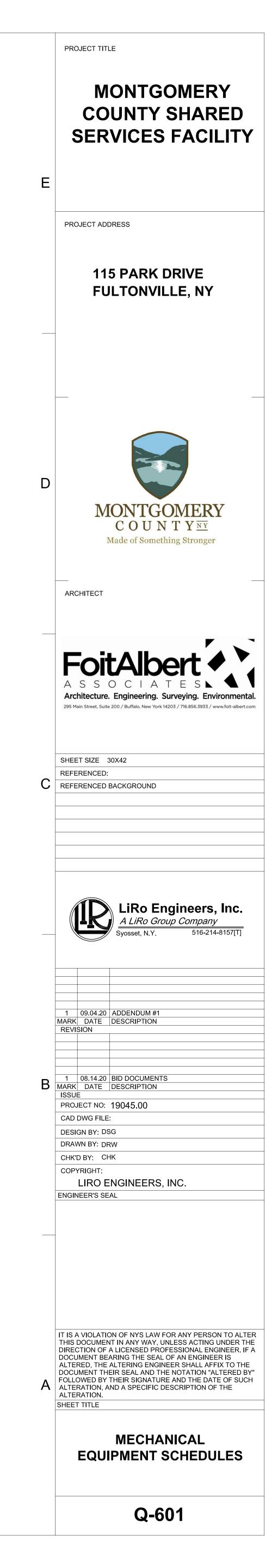
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RER	MODEL #	FURNISHED BY/INSTALLED OF/OI; OF/CI; CF CF/OI	BY
MAR	904S SEP 3144-AL	CF/CI CF/CI	
MAR	PIC40M	CF/CI	
MAR MAR	CAC45M FLC45M	CF/CI CF/CI	
N	D7R2	CF/CI OF/CI	
	773-7S	OF/CI CF/CI	
OT OT	KN36117 KN36120	CF/CI CF/CI	
D	SSC SERIES HDWB3000	CF/CI	
		OF/CI	
		CF/CI OF/CI	
D ORP	ESS6008	CF/CI	
		OF/CI OF/CI	
~		OF/CI OF/CI	
Y S-	70X-3	CF/CI	
	1872	CF/CI	
	17800B	CF/CI	
J	58 BW	OF/CI CF/CI	
	3CA	OF/CI CF/CI	
RING		OF/CI	
		OF/CI OF/CI	
	ADJUST-A-WALL A4407	CF/CI	
	PROTECT-O- SCREENS 53454	CF/CI	
	KH655 SPECTRUM 875	CF/CI CF/CI	
PANY		CF/CI	
	273383	OF/CI CF/CI	
E	61300	CF/CI CF/CI	
ION	5735SS	CF/CI	
ION	89045180	CF/CI	
	DYNA-BRUTE FB	CF/CI OF/CI	
		OF/CI OF/CI	
L	WG232024	CF/CI	
RIES	2448-DT-3	CF/CI	
VE	J904B FC4400	CF/CI CF/CI	
STER NI	DM-232-E SKWD-500BATT	CF/CI CF/CI	
		OF/CI OF/CI	
		OF/CI	
		OF/CI OF/CI	
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		OF/CI OF/CI	
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	10/0099022	OF/CI	
L	WG988933 EC-2008	CF/CI CF/CI	
	MP-18-558	CF/CI	
·	TP-16	CF/CI	
	40-30-S	CF/CI	
	45200	CF/CI CF/CI	
	238866 SERIES D	CF/CI	
DTIVE	248632 SERIES D	CF/CI	
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		OF/CI	

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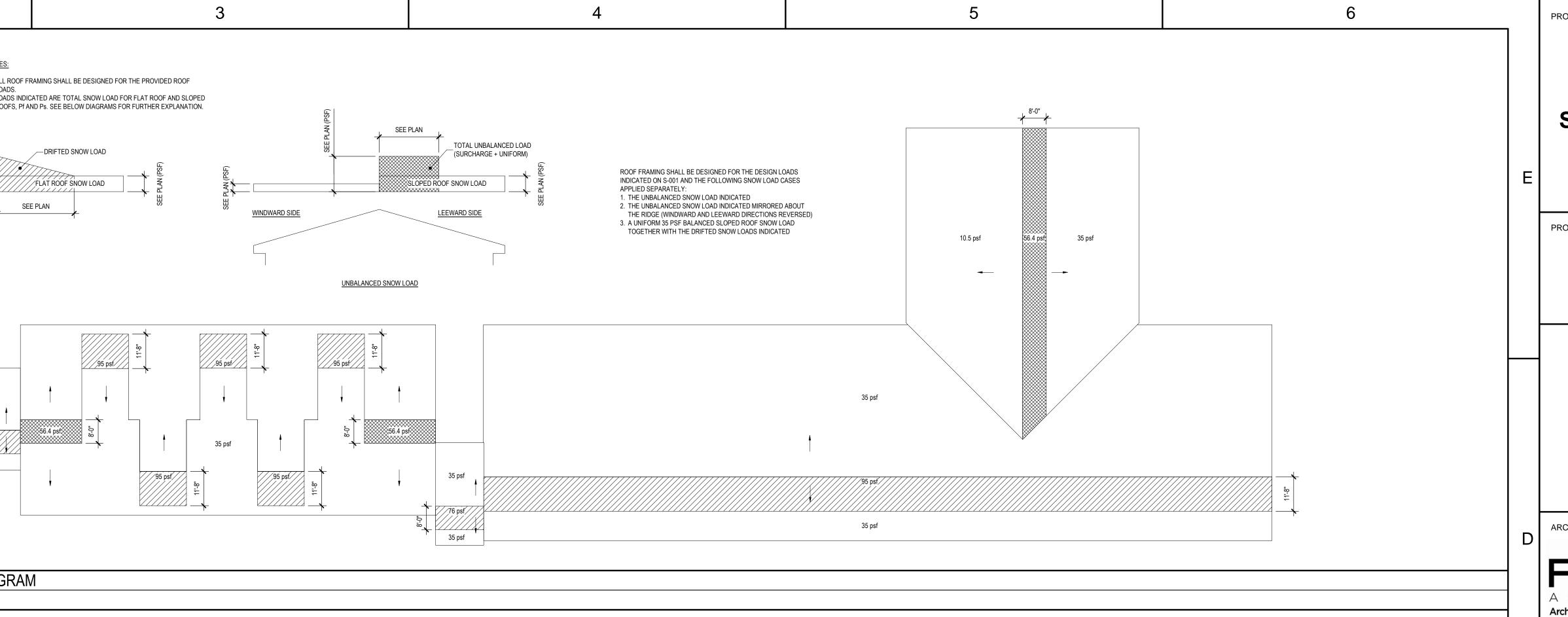
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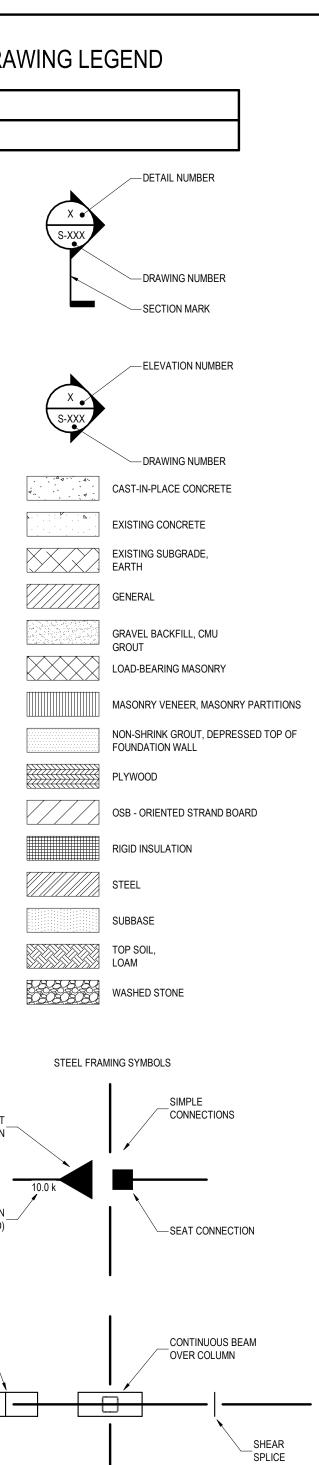
- 1. THE PLANS ARE DIAGRAMMATIC AND INDICATE ONLY THE SIZE AND GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT. EXACT LOCATION OF ALL ELEMENTS SHALL BE DETERMINED AS WORK PROGRESSES, IN COOPERATION AND COORDINATION WITH THE WORK OF ALL OTHER TRADES. IT IS NOT INTENDED TO SHOW EVERY ITEM OF WORK OR MINOR PIECE OF EQUIPMENT, BUT THE CONTRACTOR SHALL FURNISH AND INSTALL WITHOUT ADDITIONAL REMUNERATION ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE.
- 2. ITEMS OF WORK OR EQUIPMENT SHOWN ON THE DRAWINGS ONLY, OR CALLED FOR IN THE SPECIFICATIONS ONLY, SHALL BE FURNISHED AND INSTALLED IN THE SAME MANNER AS IF THEY APPEARED ON BOTH THE DRAWINGS AND SPECIFICATIONS.
- 3. DRAWINGS DO NOT INDICATE ALL OFFSETS, CHANGES IN ELEVATIONS, ETC. WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL MAKE SUCH CHANGES IN PIPING AND LOCATION OF EQUIPMENT, ETC. TO ACCOMMODATE WORK WITH THAT OF OTHER CONTRACTORS.
- 4. INSTALL EQUIPMENT AND PIPING TO AVOID INTERFERENCE WITH THE OPERATION OR SERVICING AND MAINTENANCE OF EQUIPMENT.
- 5. ALL PHYSICAL ATTRIBUTES OF EQUIPMENT AND DEVICES ARE BASED ON THOSE MANUFACTURERS LISTED IN THE SPECIFICATIONS AND/OR THE EQUIPMENT SCHEDULES. THE RESPECTIVE CONTRACTORS ARE RESPONSIBLE FOR ALL CHANGES BROUGHT ABOUT BY USE OF ITEMS BY OTHER MANUFACTURERS. THE ARCHITECT/ENGINEER HAS RESERVED THE RIGHT TO REJECT ITEMS BY OTHER MANUFACTURERS IF THOSE ITEMS DO NOT MATCH THE PHYSICAL ATTRIBUTES OF THE MANUFACTURERS LISTED.
- 6. PROVIDED MANUFACTURERS AND MODEL NUMBERS INDICATED ARE THE BASIS OF DESIGN PRODUCT. REFER TO SPEC SECTIONS FOR FURTHER INFORMATION.
- 7. CONTRACTOR TO BE RESPONSIBLE FOR ALL WORK ASSOCIATED WITH RELOCATING EQUIPMENT IDENTIFIED ON THE EQUIPMENT SCHEDULE TO BE RELOCATED FROM THE EXISTING FACILITY, INCLUDING DISCONNECTING, HAULING, AND INSTALLATION.



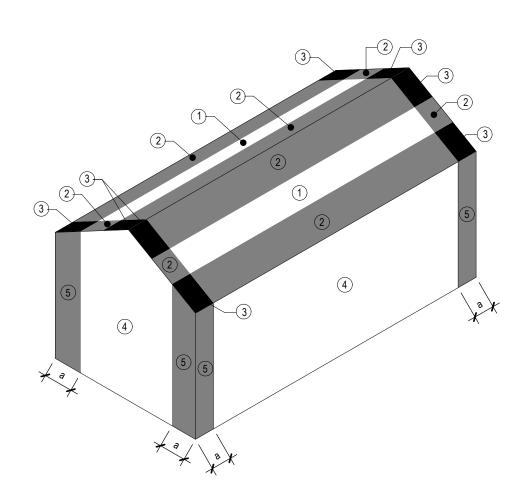
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	1	2
[	I	NOTES:
	CONSTRUCTION NOTES: GENERAL: 1. DESIGN IS PER THE 2020 BUILDING CODE OF NEW YORK STATE (BCNYS).	1. ALL ROOF FRA LOADS. 2. LOADS INDICAT ROOFS, Pf AND
	<ol> <li>DESIGNTS FER THE 2220 BOILDING CODE OF INE TORK TORK TO REAL (BORTS).</li> <li>THESE STRUCTURAL DRAWINGS ARE NOT INTENDED AS STAND ALONE DOCUMENTS. REFER TO FUL CONSTRUCTION DOCUMENT PACKAGE FOR COMPLETE PROJECT INFORMATION AND DETAILS.</li> <li>CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AS WORK PROGRESSES AND SHALL REF DISCREPANCIES BETWEEN EXISTING WORK AND CONTRACT DOCUMENTS TO ARCHITECT AND ENGIN CLARIFICATION BEFORE PROCEEDING WITH WORK.</li> </ol>	PORT ANY IEER FOR
E	<ol> <li>4. DO NOT SCALE DRAWINGS.</li> <li>5. ALL DETAILS AND NOTES ARE TYPICAL UNO.</li> <li>6. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING AS REQUIRED BY THE MEANS AND M UNDERTAKEN.</li> <li>7. CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER FOR THE DESIGN OF ALL TEMP</li> </ol>	
	<ul> <li>SHORING AND SHEETING FOR REVIEW BY THE DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF STRUCTURAL DESIGN UNO.</li> <li>PROVIDE ALL TEMPORARY BRACING UNTIL ALL REQUIRED STRUCTURAL SYSTEMS ARE IN PLACE.</li> <li>COMPONENTS NECESSARY FOR CONSTRUCTION SAFETY ARE THE RESPONSIBILITY OF THE CONTRA THE MEANS AND METHODS UNDERTAKEN.</li> </ul>	SEE F
	<ol> <li>0. OBSERVE ALL CURRENT OSHA REQUIREMENTS IN CONSTRUCTION ACTIVITIES.</li> <li>11. SPECIAL INSPECTIONS (SI) ARE REQUIRED FOR THE PROJECT. SI SHALL BE MADE BY THE OWNER'S INDEPENDENT INSPECTION AGENCY. THE CONTRACTOR SHALL NOTIFY BOTH THE OWNER AND THE PRIOR TO INSTALLING WORK THAT REQUIRES SI AND ALLOW ACCESS FOR THESE SI TO OCCUR IN A MANNER. WORK REQUIRING SI INSTALLED BY THE CONTRACTOR WITHOUT NOTIFICATION SHALL BE</li> </ol>	SI AGENCY TIMELY
	REJECTION AND REPLACEMENT OF THE WORK. 12. DESIGN IS IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGA REPORT PREPARED BY TERRACON CONSULTANTS-NY, INC DATED OCTOBER 1, 2019.	ATION
	<ul> <li>BUILDING FOUNDATION SUBGRADE PREPARATION NOTES:</li> <li>1. CLEAR AND GRUB THE PROJECT WORK AREA (10 FT OUTSIDE OF EXCAVATION LIMITS OF THE FOOTF PROPOSED BUILDING FOUNDATION UNO).</li> <li>2. STRIP ALL TOPSOIL FROM THE PROJECT WORK AREA. STOCKPILE TOPSOIL ON SITE FOR REUSE OF</li> </ul>	
	OF OFF SITE AS DIRECTED ELSEWHERE IN THE CONTRACT DOCUMENTS. 3. EXCAVATE AND REMOVE UPPER LAYER OF UNSUITABLE SOIL FROM THE PROJECT WORK AREA. UNS SOIL IS ANY SOIL MATERIAL THAT CONTAINS ORGANIC MATERIAL, PEAT, ROOTS, UNCONTROLLED FIL CONCENTRATIONS OF CLAY OR SILT GREATER THAN 20%, CONSTRUCTION DEBRIS, ETC. <u>REMOVE AN</u> <u>UNSUITABLE SOIL MATERIAL REGARDLESS OF DEPTH</u> . DISPOSE OF UNSUITABLE SOIL MATERIAL OF	LL, 35 psf
	<ol> <li>EXCAVATE TO THE BOTTOM OF SUBGRADE LAYER FOR THE BUILDING SLAB ON GRADE. SEE THE CC DRAWINGS AND OR DETAILS FOR THIS ELEVATION AT THE BOTTOM OF STONE FILL, SUBBASE MATEF STRUCTURAL FILL BELOW SLABS ON GRADE. NOTE THAT THIS SUBGRADE ELEVATION MAY VARY IN AREAS OF THE PROJECT.</li> <li>PROOF COMPACT THE FINAL SUBGRADE AREA WITH A SMOOTH DRUM VIBRATORY ROLLER HAVING A</li> </ol>	RIAL, AND OR DIFFERENT
	STATIC WEIGHT OF 10 TONS. DO THIS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE OR EN OPERATE THE COMPACTOR IN VIBRATORY MODE AND COMPLETE 5 OVERLAPPING PASSES IN ONE D REPEAT THE PROCESS IN THE PERPENDICULAR DIRECTION. 6. AFTER PROOF COMPACTION, THE AREA SHALL BE PROOF-ROLLED WITH A FULLY LOADED TRI-AXLE I IN BOTH DIRECTIONS UNDER THE DIRECT OBSERVATION OF THE OWNER'S REPRESENTATIVE OR EN	DUMP TRUCK GINEER.
D	<ol> <li>ALL AREAS OF SUBGRADE THAT PUMP AND WEAVE UNDER PROOF COMPACTION, OR THAT OTHERWIN STABILIZE, SHALL BE MARKED FOR OVER-EXCAVATION TO REMOVE ALL ADDITIONAL UNSUITABLE M/</li> <li>ALL OVER-EXCAVATED AREAS SHALL BE REPLACED WITH STRUCTURAL FILL PLACED IN 8 INCH DEEF AND COMPACTED TO MINIMUM 95% MODIFIED PROCTOR.</li> </ol>	ATERIAL.
	FOUNDATION / EXCAVATION NOTES: 1. EXCAVATION FOR BUILDING FOUNDATIONS SHALL NOT BEGIN UNTIL THE PROJECT WORK AREA FOR BUILDING SITE HAS BEEN PREPARED IN CONFORMANCE WITH THE NOTES ABOVE.	D2 SNOW LOAD DIAGRAM
	<ol> <li>ALL FURTHER FOOTING / TRENCH EXCAVATIONS BELOW THE MAIN BUILDING SLAB SUBGRADE LEVEL EXTEND VERTICALLY TO REMOVE ANY AND ALL EXISTING UNSUITABLE MATERIAL.</li> <li>ALL EXCAVATIONS FOR CONSTRUCTION PROJECT SHALL EXTEND HORIZONTALLY 1'-6" MIN CLEAR BE LIMITS OF FOOTINGS UNO.</li> <li>FINAL GRADES SHOULD BE CAREFULLY TRIMMED TO MINIMIZE DISTURBANCE TO THE EXISTING SUBG SOULS</li> </ol>	EYOND SCALE: 3/64" = 1'-0"
	<ul> <li>SOILS.</li> <li>5. ALL EXCAVATIONS SHALL BE SLOPED TO ACHIEVE POSITIVE DRAINAGE AND TO PREVENT ACCUMUL STANDING WATER DURING ALL PHASES OF CONSTRUCTION.</li> <li>6. ALL ESTABLISHED FOOTING SUBGRADES SHALL BE PROOF COMPACTED WITH (3) OVERLAPPING PAS SMOOTH DRUM WALK BEHIND VIBRATORY ROLLER OR A RAMMER TYPE COMPACTOR TO SHAPE AND SOIL SURFACE. ALL AREAS OF FOOTING SUBGRADES THAT FAIL TO STABILIZE SHALL BE MARKED FOR</li> </ul>	SSES WITH A D SEAL THE
	<ul> <li>EXCAVATION TO REMOVE ALL UNSUITABLE MATERIAL.</li> <li>7. ALL OVER-EXCAVATED AREAS SHALL BE REPLACED WITH STRUCTURAL FILL OR SUBBASE MATERIAL</li> <li>8 INCH DEEP MAX LIFTS AND COMPACTED TO MINIMUM 95% MODIFIED PROCTOR.</li> <li>8. PLANNED EXCAVATION DEPTHS SHOULD BE REVIEWED WITH RESPECT TO THEIR DISTANCE TO ADJA STRUCTURES. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHEETING AND OR SHORING REQUIR</li> </ul>	ACENT STRUCTURAL DRAWIN
	PERFORM THE CONTRACT WORK WITHOUT DISTURBANCE TO ADJACENT STRUCTURES AND TO PROT UTILITIES. (SEE GENERAL NOTES 6 AND 7.) 9. MINIMUM DEPTH OF EXTERIOR FOOTINGS IS 4'-0" MIN BELOW FINISHED GRADE UNO. 10. GROUNDWATER WILL LIKELY BE ENCOUNTERED WITHIN THE EXISTING FILL SOILS AND AT THE INTEL INDIGENOUS SOILS.	NUMBER TITLE
	<ol> <li>ALL EXCAVATION SUBGRADES SHALL BE SLOPED TO ACHIEVE POSITIVE DRAINAGE OF RAINWATER GROUNDWATER TO EXCAVATED SUMPS PITS TO PREVENT THE ACCUMULATION OF STANDING WATE TIMES.</li> <li>DEWATERING SHALL BE MAINTAINED CONTINUOUSLY THROUGHOUT THE DURATION OF THE PROJEC EXCAVATIONS ARE BACKFILLED TO ACHIEVE POSITIVE SURFACE DRAINAGE.</li> </ol>	R AT ALL STRUCTURAL DRAWING ABBREVIATIONS
	<ol> <li>SOIL SUBGRADE CONDITIONS THAT ARE ALLOWED TO POOL STANDING WATER OR BECOME SATURA FROZEN, OR DISTURBED SHALL BE REWORKED AT NO ADDITIONAL COST.</li> <li>DO NOT PLACE BACKFILL AGAINST FOOTINGS, FROST WALLS, AND PIERS PRIOR TO 3 FULL DAYS AF CONCRETE PLACEMENT. PLACE AND COMPACT BACKFILL EVENLY AGAINST EACH SIDE IN 8INCH MA 15. DO NOT BACKFILL UNTIL FOUNDATION WATERPROOFING. INSULATION. AND DRAINAGE HAS BEEN IN:</li> </ol>	ATED, ADJ ADJACENT AFF ABOVE FINISHED FLOOR X LIFTS. APPROX APPROXIMATE
	AND APPROVED.	BLDGBUILDINGBOTBOTTOMBPBASE PLATEBRGBEARING
C	<ol> <li>SEE STRUCTURAL DRAWINGS FOR FOOTING DETAILS.</li> <li>SEE STRUCTURAL DRAWINGS FOR FOUNDATION WALL SECTIONS.</li> <li>PROVIDE SCHEDULE 40 PVC PIPE SLEEVES FOR ALL FOUNDATION WALL PENETRATIONS. COORDINA SLEEVE SIZES AND LOCATIONS WITH ALL TRADES. REMOVE SLEEVES AFTER WALL IS CAST. PACK / UTILITIES WITH NON-SHRINK GROUT BEFORE WATERPROOFING WALL EXTERIOR.</li> </ol>	ATE PIPE COLD FORMED METAL FRAMING CJ CONTROL, CONTRACTION, OR CONSTRUCTION JOINT CL CENTER LINE
	<ul> <li>4. CONCRETE COVER DISTANCES:</li> <li>A. FOOTINGS: 3" UNO</li> <li>B. WALLS 1-1/2" UNO</li> <li>C. PILASTERS: 1-1/2" UNO</li> <li>D. FLOOR SLABS: 1-1/4" UNO</li> </ul>	CMU CONCRETE MASONRY UNIT COL COLUMN CONC CONCRETE CONT CONTINUOUS COORD COORDINATE
	<ol> <li>5. PROVIDE MATCHING TIE BARS FOR ALL CONTINUOUS HORIZONTAL REINFORCEMENT IN ALL FOOTING WALLS AT CORNERS AND INTERSECTIONS. SEE DETAILS ON STRUCTURAL DRAWINGS.</li> <li>6. PLACE ALL FORMWORK AND REINFORCEMENT PER CURRENT EDITION OF ACI 301.</li> <li>7. TIE ALL REINFORCING SECURELY IN PLACE PRIOR TO CONCRETE POUR. WET SETTING OF DOWELS REINFORCING INTO PLASTIC CONCRETE IS NOT PERMITTED.</li> </ol>	GS AND     DIA     DIAMETER       DIM     DIMENSION       OR OTHER     DN       DO     DITTO
	<ol> <li>FOLLOW THE RECOMMENDATIONS OF ACI 305R DURING HOT WEATHER PLACEMENT</li> <li>FOLLOW THE RECOMMENDATIONS OF ACI 306R DURING COLD WEATHER PLACEMENT.</li> <li>CONSOLIDATE ALL CONCRETE, INCLUDING SLABS, WITH A VIBRATOR PER ACI RECOMMENDATIONS.</li> <li>WHERE CONCRETE IS NOT EXPOSED TO VIEW OR NOTED TO RECEIVE A RUBBED FINISH, LEAVE FOF PLACE TO AID IN CURING CONCRETE FOR A MINIMUM OF 7 DAYS PER ACI RECOMMENDATIONS. THIS</li> </ol>	FOD EDGE OF DECK
	FORMWORK MAY BE STRIPPED AFTER 1 DAY AT FOOTINGS AND WALLS <u>ONLY</u> IF THE CONCRETE IS C MEANS OF A SPRAY-ON DISSIPATING ACRYLIC POLYMER CURING COMPOUND, OR BY A MOIST CURIN EARLY FORM REMOVAL AND CURING METHODS AND MATERIALS MUST BE APPROVED BY THE ENGIN ARCHITECT. 12. WHERE CONCRETE IS EXPOSED TO VIEW, PROVIDE A SMOOTH FORM FINISH AND REMOVE FORMS A	IG METHOD. EER OR AFTER 2 EQS EDGE OF SLAB EQ EQUAL EQUIP EQUIPMENT ES EACH SIDE
	<ul> <li>DAYS UNO. REMOVE ALL CONCRETE FINS OR OTHER PROJECTIONS AT BETWEEN FORMWORK JOINT PATCH ALL VOIDS AND FORM-TIE HOLES WITH NON-SHRINK GROUT AND FINISH SMOOTH ON THE SAM FORMWORK IS STRIPPED. GRINDING THE CONCRETE OR PARGING OVER THE CONCRETE SURFACE I NOT BE ACCEPTED.</li> <li>13. SEE A-SERIES DRAWINGS FOR EXTERIOR WATER PROOFING, AND DRAINAGE SYSTEM DETAILS AND PROVENTED FOR UNDATION WATER PROOFING, AND DRAINAGE SYSTEM DETAILS AND PROVIDE THE CONCRETE OR PARGING FOR EXTERIOR WATER PROOFING.</li> </ul>	ME DAY THAT EXIST EXISTING LATER <u>WILL</u> EXP EXPANSION EXT EXTERIOR FDN FOUNDATION
	REQUIREMENTS. FOUNDATION WATERPROOFING MUST BE COMPATIBLE WITH EXTERIOR EXTRUDED POLYSTYRENE INSULATION BOARD. 14. PROVIDE SLAB-ON-GRADE CRACK CONTROL JOINTS AT LOCATIONS SHOWN ON PLANS. WHERE JOIN SHOWN, CUT JOINTS AT A MAXIMUM SPACING OF 30 TIMES THE SLAB THICKNESS. 15. SAW CUT SLAB ON GRADE CRACK CONTROL JOINTS (1" DEEP U.N.O.) AS SOON AS CONCRETE MAY E WITHOUT DISLODGING AGGREGATE, PREFERABLY WITHIN 12 HOURS OF FINISHING. FILL WITH BACK	FOW     FACE OF WALL       FS     FAR SIDE       FTG     FOOTING       BE CUT     GA
	2-PART SELF-LEVELING SEALANT, GRAY IN COLOR WHERE EXPOSED TO VIEW. STRUCTURAL STEEL FABRICATION / ERECTION NOTES:	HDG HOT DIP GALVANIZED HORIZ HORIZONTAL HSS HOLLOW STRUCTURAL SHAPE ID INSIDE DIAMETER
в	<ol> <li>STRUCTURAL STEEL COMPONENTS SHALL BE FABRICATED BY A SHOP OR FABRICATOR WITH MINIMU YEARS EXPERIENCE SPECIALIZING IN THIS WORK.</li> <li>ALL WELDING SHALL BE PERFORMED BY PERSONNEL WITH CURRENT AWS CERTIFICATION FOR THE WORK PERFORMED.</li> <li>SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL STEEL COMPONENTS, INCLUDING ANCHOR BOLT LA</li> </ol>	TYPE OF INV INVERT LG LONG
	<ul> <li>DRAWINGS, ERECTION PLANS, AND DETAILED DRAWING FOR ALL FABRICATED COMPONENTS.</li> <li>4. DO NOT BEGIN STEEL FABRICATION UNTIL STEEL SHOP DRAWINGS HAVE BEEN APPROVED BY THE C REPRESENTATIVE.</li> <li>PRE-ENGINEERED METAL BUILDING (PEMB) NOTES:</li> </ul>	DWNER'S LLV LONG LEG VERTICAL LOC LOCATION LVL LAMINATED VENEER LUMBER LW LIGHT WEIGHT
	<ol> <li>BUILDING DESIGN SHALL CONFORM TO THE METAL BUILDING MANUFACTURERS ASSOCIATIONS (MBN PRACTICES" AND "CODE OF STANDARD PRACTICE" AND THE CRITERIA INDICTED IN THE SPECIFICATION CONTRACT DOCUMENTS.</li> <li>SEE STRUCTURAL DESIGN DATA FOR REQUIRED STRUCTURAL DESIGN LOADS.</li> </ol>	
	<ol> <li>SEE STRUCTURAL DRAWINGS FOR BRACED FRAME AND PORTAL FRAME LOCATIONS DENOTED BY "B RESPECTIVELY.</li> <li>PEMB DESIGN SHALL INCLUDE LATERAL LOAD ANALYSIS FOR DIAPHRAGM AND VERTICAL FRAMED EI SHOP DRAWINGS SHALL CLEARLY INDICATE SIZE AND LOCATIONS OF ALL HORIZONTAL BRACING. HO BRACE LOCATIONS INDICATED ON STRUCTURAL DOCUMENTS SHALL BE PROVIDED AT A MINIMUM.</li> </ol>	BR" AND "PF"     NIC     NOT IN CONTRACT       LEMENTS.     No.     NUMBER       DRIZONTAL     NTS     NOT TO SCALE       MW     NORMAL WEIGHT     CONNECTION
	5. SUPERSTRUCTURE SHALL BE DESIGNED BY THE PRE-ENGINEERED METAL BUILDING MANUFACTURE AND SHAPE PARAMETERS PROVIDED ON THE DRAWINGS SHALL BE FOLLOWED BY THE PEMB MANUF AND SHALL BE CONSIDERED MINIMUM REQUIREMENTS, UNLESS OTHERWISE NOTED. MEMBERS THA BEEN DESIGNED IN THE CONTRACT DOCUMENTS WITH A SIZE INDICATED SHALL BE PROVIDED AS DE HOT-ROLLED MEMBERS NOTED AS "W-BEAM" OR "HSS" WITH NO SIZE INDICATED MAY BE SUBSTITUT	IR. ALL SIZE     OC     ON CENTER       FACTURER     OD     OUTSIDE DIAMETER       INT HAVE     OPNG     OPENING       ESIGNED.     OPP     OPPOSITE       IED WITH AN     PAF     POWDER ACTUATED FASTENER
A	EQUIVALENT BUILT-UP MEMBER OF THE SAME SHAPE AND DIMENSIONS. REFER TO SPECIFICAITONS SERIES DOCUMENTS FOR ADDITIONAL REQUIREMENTS. SEE STRUCTURAL DRAWINGS FOR DETAILED CONNECTIONS AND LOADS. CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DOCUMENTS SHAL INCLUDED IN THE PEMB DESIGN OR DESIGNED AND STAMPED BY A SEPARATE LICENSED PROFESSION ENGINEER.	AND A-     PCF     POUNDS PER CUBIC FOOT     BEAM REACTION       D     PERP     PERPENDICULAR     (ASD)       L BE     PL     PLATE       DNAL     PLF     POUNDS PER LINEAR FOOT
	<ol> <li>ANY DAMAGED ELEMENTS SHALL BE REVIEWED BY PEMB MANUFACTURER PRIOR TO ERECTION. IT IS RESPONSIBILITY OF THE PEMB MANUFACTURER TO REPLACE OR REPAIR DAMAGED COMPONENTS. I MODIFY OR FIELD CUT STRUCTURAL MEMBERS WITHOUT APPROVAL FROM THE PEMB MANUFACTUR MATERIALS BY A METHOD WHICH WILL PREVENT DAMAGE TO COMPONENTS INCLUDING FINISHES.</li> <li>PROVIDE TEMPORARY BRACING TO SECURELY HOLD MEMBERS IN PROPER POSITION UNTIL PERMAN PROCINC IS EASTENED IN DUACE.</li> </ol>	DO NOT PSI POUNDS PER SQUARE INCH ER. HANDLE PT PRESSURE TREATED REINF REINFORCEMENT
	<ul> <li>BRACING IS FASTENED IN PLACE.</li> <li>8. AFTER ERECTION, TOUCH-UP WELDED AND ABRADED SURFACES, BARE SPOTS AND FIELD BOLTS WI PRIMER PAINT.</li> <li>9. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.</li> </ul>	ITH SHOP REV REVISED, REVISION SPLICE RO ROUGH OPENING SIM SIMILAR SP SPACE, SPACES, SPACED
		SQ SQUARE STD STANDARD STL STEEL T/ TOP OF TYP TYPICAL
		UNO UNLESS NOTED OTHERWISE VERT VERTICAL VIF VERIFY IN FIELD W/ WITH WC WALL CONTROL JOINT
		WCJ WALL CONTROL JOINT WWR WELDED WIRE REINFORCEMENT
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STI	RUCTURAL DESIGN DATA
RISK CATEGORY	II
SOIL BEARING CAPACITY	3000 PSF (PER GEOTECHNICAL REPORT DATED 1 OCT 2019 BY TERRACON CONSULTANTS - NY)
LIVE LOADS	LIVE LOADS
ROOFS	20 PSF (SNOW LOAD GOVERNS)
LIGHT STORAGE (MEZZANINES)	125 PSF
DEAD LOADS	DEAD LOADS
INSULATED METAL PANEL	3 PSF
METAL ROOF DECK	2.5 PSF
SUSPENDED CEILING	4 PSF
PRIMARY ROOF FRAMING	5 PSF
COLLATERAL MEP HANGING FROM ROOF*	12 PSF
6" SLAB ON METAL DECK	63 PSF (MEZZANINES)
	SNOW LOAD DESIGN
SNOW LOAD DESIGN	
GROUND SNOW LOAD, Pg	
FLAT ROOF SNOW LOAD, Pf	35 PSF TYPICAL, 42 PSF COLD STORAGE BUILDING
SLOPED ROOF SNOW LOAD, PS	35 PSF TYPICAL, 42 PSF COLD STORAGE BUILDING 1.0
SNOW EXPOSURE FACTOR, Ce SNOW LOAD IMPORTANCE FACTOR, Is	1.0
THERMAL FACTOR, Ct	1.0 TYPICAL, 1.2 COLD STORAGE BUILDING
DRIFT SURCHARGE	PER ASCE 7-10
DIGITISONOFIANOE	
WIND LOAD DESIGN	WIND LOAD DESIGN
BASIC WIND SPEED (3 SECOND GUST)	Vult=115 MPH, Vasd=89 MPH
WIND EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT, GCpi	+/- 0.18
SEISMIC DESIGN	SEISMIC DESIGN
SEIMIC LOAD IMPORTANCE FACTOR, le	1.0
SPECTRAL RESPONSE COEFFICIENT, Sds	0.208
SPECTRAL RESPONSE COEFFICIENT, Sd1	0.116
SITE CLASSIFICATION (SOIL TYPE)	D (PER GEOTECHNICAL REPORT DATED 1 OCT 2019 BY TERRACON CONSULTANTS - NY)
BASIC FORCE RESISTING SYSTEM	STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
RESPONSE MODIFICATION FACTOR, R	3
SEISMIC DESIGN CATEGORY (SDC)	В
SEISMIC BASE SHEAR	25 KIPS ESTIMATED (OFFICE BUILDING, TBD BY PEMB DESIGN) 50 KIPS ESTIMATED (VEHICLE MAINTENANCE BUILDING, TBD BY PEMB DESIGN)
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE



CON
DISTANCE "a"
ZONE
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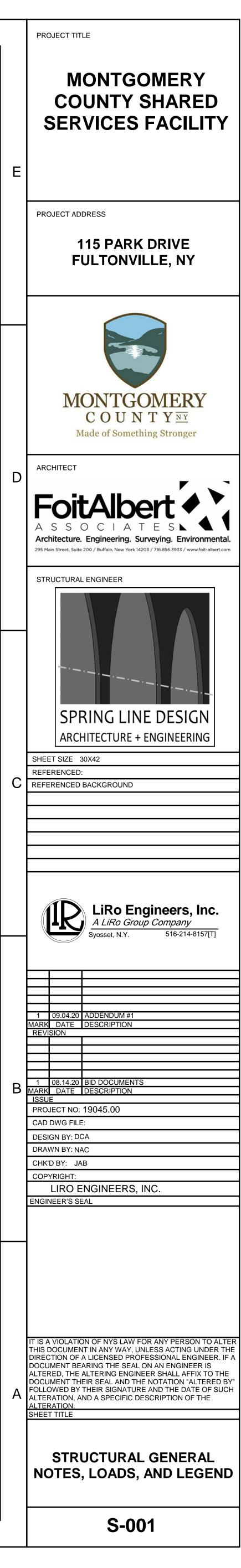
\*COLLATERAL MEP LOAD ACCOUNTS FOR HANGING EQUIPMENT AND OTHER MISCELLANEOUS UTILITIES SUSPENDED FROM ROOF FRAMING. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS FOR LOCATION AND WEIGHTS OF ALL HANGING EQUIPMENT.

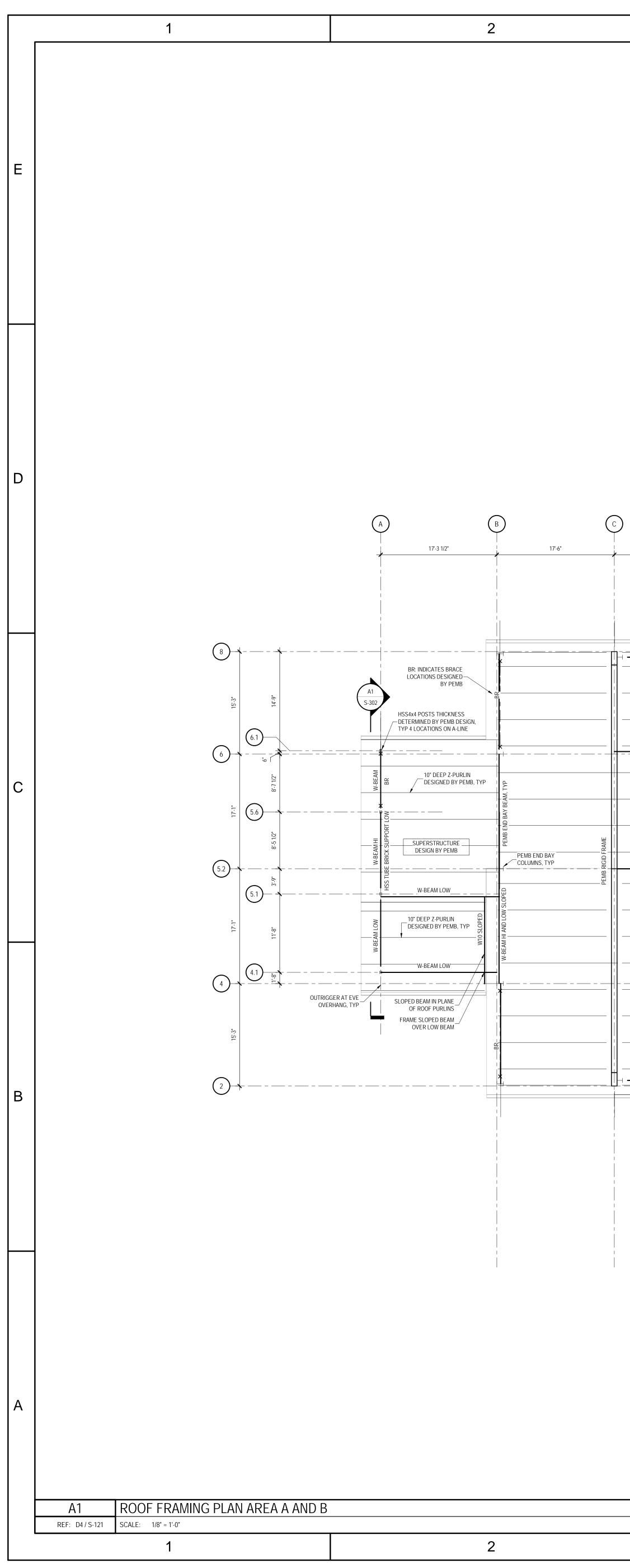
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OMPONENTS AND CLADDING WIND PRESSURES (ASCE 7-10)			
a"	8 FT	EFFECTIVE WIND AREA = 10SF	
	ULTIMATE WIND PRESSURE ASD WIND PRESSURE		
	-29.4 PSF	-17.7 PSF	
-51.2 PSF		-30.8 PSF	
	-75.6 PSF	-45.4 PSF	
-34.8 PSF / +32.1 PSF -20.9 PSF / +19.3 PS		-20.9 PSF / +19.3 PSF	
	-43.1 PSF / +32.1 PSF	-25.9 PSF / +19.3 PSF	

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<u>GABLE ROOFS WITH SLOPE 7°<  $\theta \le 45^{\circ}$ </u>





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20'-0"	20'-0"	20'-0"	20'-0"		20'-0"
S-301	OUTRIGGER AT EVE OVERHANG, TYP				
PF					PF
POST EACH CORNER	10" DEEP Z-PURLIN DESIGNED BY PEMB, TYP				 
W-BEAM LOW		W-BEAM LOW			N-BEAM LOW
-TO SUPPORT FOLDABLE PARTITION WALL M. BEAM HI M. BEAM	HORIZONTAL DIAPHRAGM BRACING AT ROOF EXTENSIONS DESIGNED BY PEMB, TYP	W-BEAM LOW	M.BEAM HI		Mr.BEAM HI
W.BEAM W.1443 BELOW	W-BEAM W-BEAM	M-BEAM W-BEAM	W-BEAM	DEMB RIGID FRAME	- L RAME
W14x4	WILDW	SUPERSTRUCTURE DESIGN BY PEMB			
HSS8x3 POST BELOW TO SUPPORT FOLDABLE PARTITION WALL	M-BEAM HI W-BEAM LOU			M-BEAM HI	       
D4					
PF <sup>-</sup>	OUTRIGGER AT EVE OVERHANG, TYP				

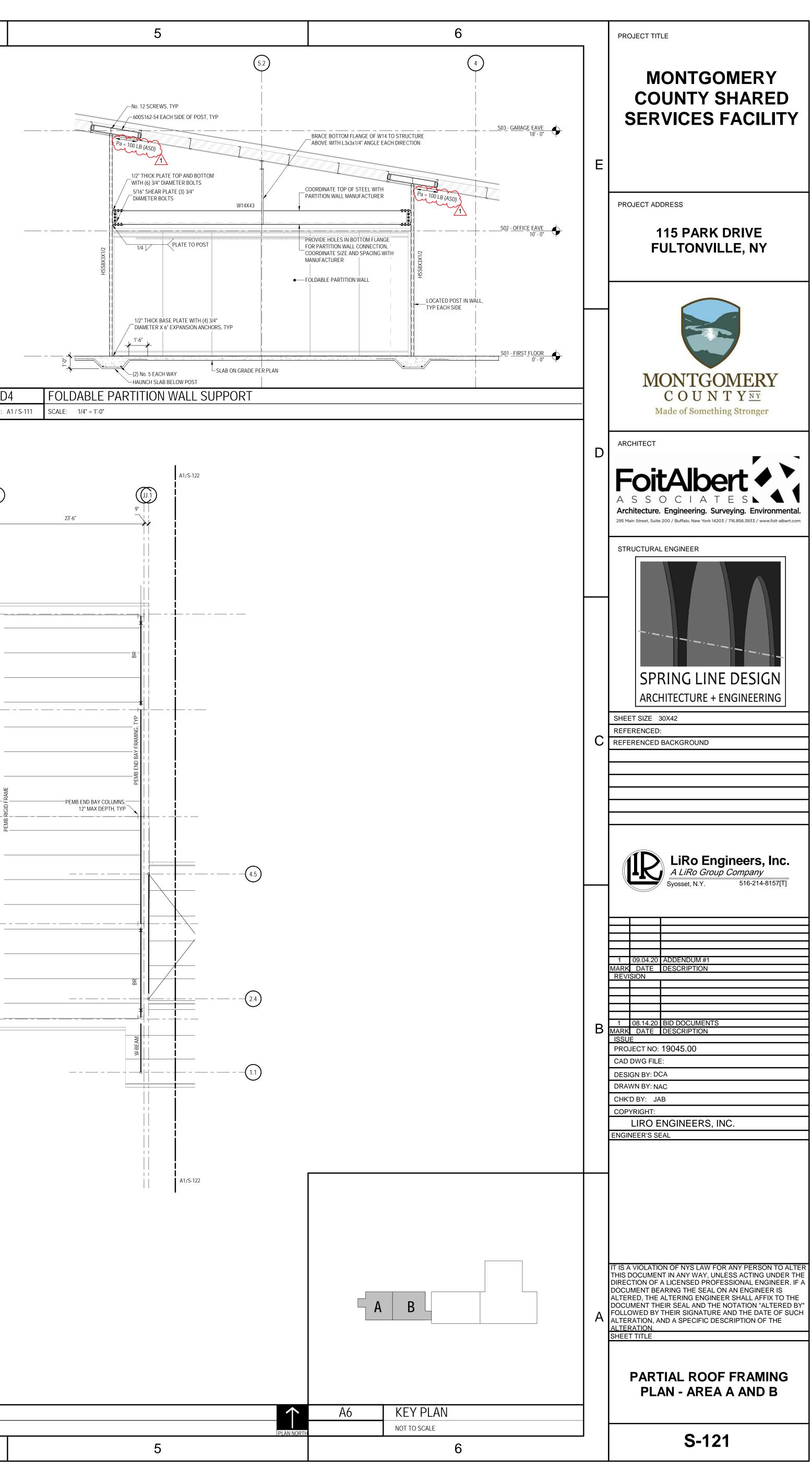
PROJECT REFERENCE ELEVATION = 0'-0" AT TOP OF FIRST FLOOR SLAB.
 THE PROJECT REFERENCE ELEVATION IN NOTE 1 IS EQUIVALENT TO SITE ELEVATION 429.00'.

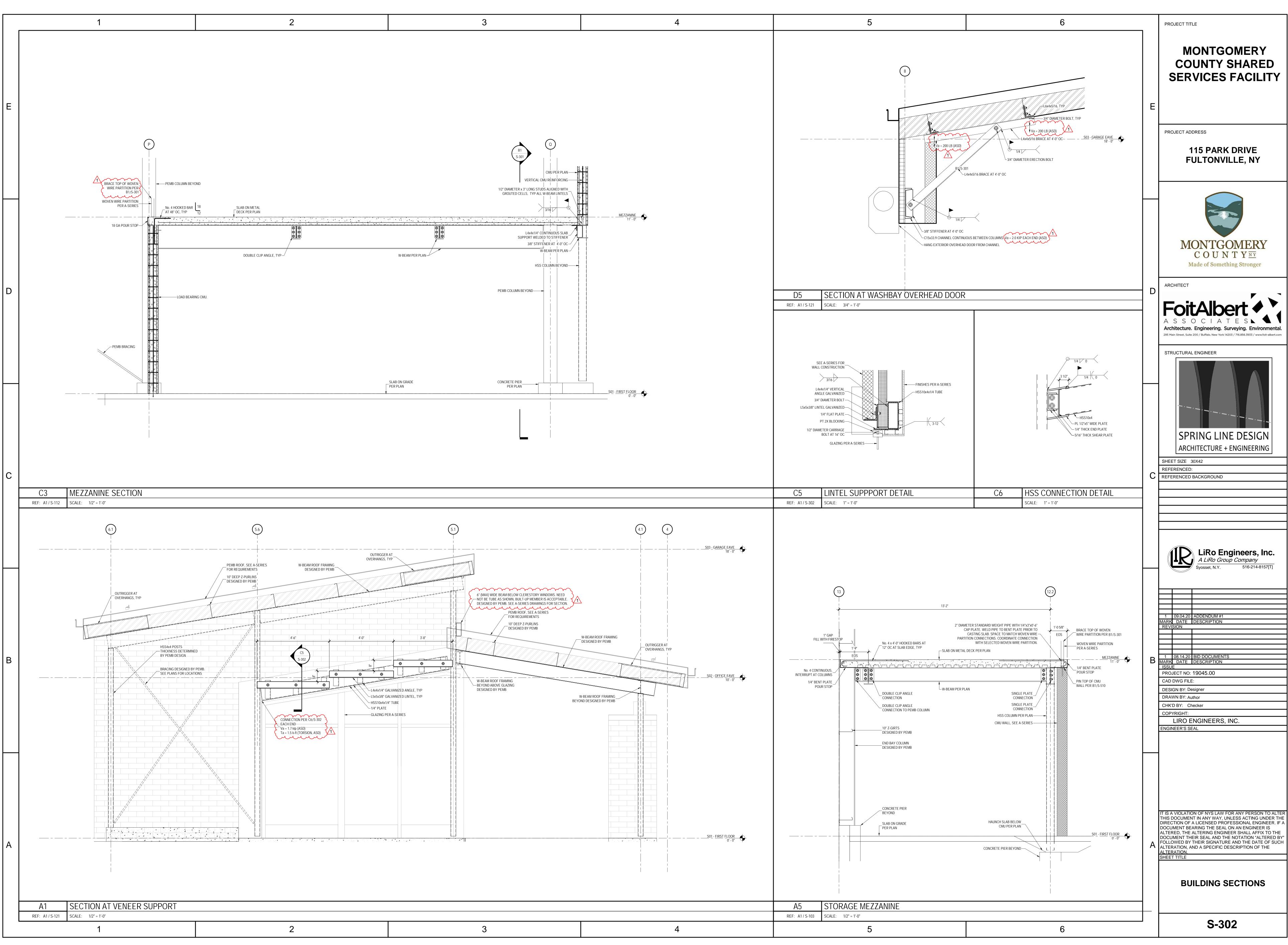
STRUCTURAL STEEL ROOF FRAMING NOTES:

- EQUALLY SPACE BEAMS AND JOISTS BETWEEN COLUMNS WHEN SPACING DIMENSIONS ARE NOT GIVEN.
   BR DENOTES A BRACED FRAME DESIGNED BY PEMB.
   PF DENOTES A PORTAL FRAME DESIGNED BY PEMB.
- SEE DETAIL A1/S-510 FOR TYPICAL FRAMING CONNECTIONS TO HSS COLUMNS.
   COORDINATE ROOF DECK OPENING QUANTITY, SIZES, AND LOCATIONS WITH MEP AND A-SERIES DWGS, AND WITH APPROVED
- SHOP DRAWINGS FOR ALL TRADES. 8. NON-LOAD BEARING CMU NOT SHOWN ON STRUCTURAL DRAWINGS. PROVIDE LOOSE LINTELS IN OPENINGS PER A4/S-510. NOTE

4

THAT NOT ALL LINTELS IN WALLS ARE SHOWN ON PLAN. SEE DETAIL B2/S-510 FOR REINFORCING REQUIREMENTS. 9. SEE NOTE ON S-001 FOR ADDITIONAL REQUIREMENTS.





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