



ADDENDUM NO. 1

DATE: 9-12-2023

TO: ALL BIDDERS  
FROM: JKF ARCHITECTURE  
RE: STAR Communications New Headquarters & Operations Buildings  
Project No. 2022-17

The following corrections, clarifications, or supplemental information is to be incorporated into the Contractor(s) bid to perform the Work:

CLARIFICATIONS:

1. See attached Minutes of Pre-Bid Meeting, held 9-9-2023, (3 Pages), including Sign-in Page.
2. Kitchen appliances will be provided and installed by the Owner as shown on revised Drawing A4.2, Revision #1, dated 9-12-2023.
3. Drawing A1.1; Gate 1 and Gate 2; Provide LiftMaster or equal MAT Mega Arm Tower DC Barrier Gate Operator, with 17 foot LED Red & White Barrier Arm, at each gate location.
  - a. For high-traffic commercial operations
  - b. Continuous-duty DC motor, 1/2 HP equivalent, 24 VDC / 800 RPM
  - c. Built-in Security+ 2.0 technology
  - d. Configured for dual-gate operations
  - e. Commercial gear box with magnetic limit sensors
  - f. Includes 17-ft. breakaway barrier arm with LED
  - g. 6,000 cycles per day
  - h. Open/close time: 2.5 seconds
  - i. Battery backup included
  - j. Built-in 100V outlet for accessories
  - k. Anti-tailgating system
  - l. Built-in surge suppression
  - m. Allows right-handed or left-handed operation
  - n. Aluminum cabinet, chassis, barrier arm
  - o. 12 VDC operating voltage
  - p. Dimensions (not including barrier arm): 42 in. x 13.5 in.
  - q. UL Listed: UL 325, UL 991, Class I.
  - r. Works with Owner's Card Reader for operation of gate.
4. Referencing Lobby Sculpture shown on the Contract Documents. This sculpture is to be purchased and provided by the Owner and installed by the Contractor. See attached Drawing LA1.1 provided by LightArt showing basic installation details for reference by the Contractor. Full shop drawings will be provided at the appropriate time during the construction period for review by the Contractor (1 Page).

**ARCHITECTURE ■ PLANNING ■ DESIGN**

625 Lynndale Court, Suite F | Greenville, NC 27858 | 252-355-1068 | 252-355-0216 fax | [www.jkf-arch.com](http://www.jkf-arch.com)

5. Regarding Window Types W1 through W9 shown on A8.1, and W1 shown on 2A8.1, the windows are truly divided lites as shown in all the wall sections for both buildings.
6. Reference Specification Section 095113; The wood ceiling finishes shall be selected from the full range of manufacturers available colors and species. The grid for the wood ceiling shall be a matching color to the selected for wood ceiling panels as selected by the Architect.
7. In response to question regarding sidewalks and picture framing extents, it will be required to provide all walks and concrete paved areas to utilize details on Drawing C5.1.

CHANGES TO DRAWINGS:

1. Reference VOLUME 1; See attached Drawings C1.1, C2.11, C2.12, C3.11, C5.1, and L1.11; Revision #1-Addendum No. 1, dated 9-12-2023. See attached Drawings C4.11 and C4.12; Revision #1 (8-17-2023) and Revision #2 (9-12-2023). Supercedes original Drawings of same number originally dated 7-15-2023 (8 Pages).
2. Reference VOLUME 2; See attached Drawings ASP1.1, A1.11, A1.12, A1.2, A1.21, A1.22, A1.3, A1.31, A2.0, A2.1, A4.1, A4.2, A4.3, A4.4, A5.2, A5.21, A6.3, A8.2, and S3.11; Revision #1-Addendum No. 1, dated 9-12-2023. Supercedes original Drawings of same number originally dated 7-15-2023 (19 Pages).
3. Reference VOLUME 4; See attached Drawings 2A1.1, 2A3.1, 2A4.1, and 2A6.1; Revision #1-Addendum No. 1, dated 9-12-2023. Supercedes original Drawings of same number originally dated 7-15-2023 (4 Pages).
4. Reference all Architectural Drawings, refer to Keynote 042000.EA; Description shall be changed to "CONCRETE MASONRY UNIT, DECORATIVE, 3 5/8" H. X 3 9/16" W. X 15 5/8" L, HIGH-POLISH #4103". This will be the accent course in lieu of Facebrick.
5. See Attached "ADDENDUM NO. 1" from Atlantec Engineers, dated 9-13-2023 (4 Pages).

CHANGES TO SPECIFICATIONS

1. Specification Section 042000; dated 7-15-2023; Paragraph 2.6.C; Add "Glen-Gery" to equivalents.
2. Specification Section 074213; dated 7-15-2023; Paragraph 2.3.B.3; Change "6 inches o.c." to "7.2 inches o.c.".
3. Specification Section 075423; dated 7-15-2023; Note the following adjustments and clarifications:
  - a. Paragraph 1.10.A.2; Change "30" to "20".
  - b. Paragraph 2.2.A; Delete reference to "fabric-backed".
  - c. Paragraph 2.5.B; Confirm "Type IV" insulation is to be used. Delete reference to "Type V".
  - d. Paragraph 2.5.C.3.b; Delete as written and replace with "Saddles and Crickets: 1/2 inch per foot (to counter slope of main roof) unless otherwise indicated on Drawings (1/4 inch per foot finished slope)."
  - e. Paragraph 3.7.F; Delete in its entirety.
  - f. Clarification: The standard for installation is FM. Does not mean or matter if the roof is FM insured.
  - g. Clarification: The drive under canopy roof is intended to drain over the edges. No gutters required. Provide as designed.
  - h. Clarification: Specification requires 1/4" per foot minimum slope, unless noted otherwise on the drawings as stated, such as the Lobby Roof which requires tapered insulation of 1/8" per foot.
4. Specification Section 101419; dated 7-15-2023; Clarification:

- a. Specification refers to the large "STAR COMMUNICATIONS" Logo located on both sides of the metal panel pylon.
  - b. The letters for "STAR" shall be 24 inches high. "COMMUNICATIONS" shall be 10 inches high.
  - c. The Logo shall be approximately 32-36 inches high.
  - d. Horizontal lines shall be 2 inches wide.
  - e. All are LED-backlit fabricated letters and symbols.
  - f. Contractor shall provide adequate power to LED source or transformers. Low voltage wiring shall be run from letter/symbol locations to the adjacent ceiling of the Training room for main power supply to be provided by the contractors.
5. Add Specification SECTION 105123- PLASTIC-LAMINATE-CLAD LOCKERS; dated 7-15-2023 (7 Pages).
  6. Specification Section 107516; dated 7-15-2023; Paragraph 2.3.B; Change Exposed Height from "As indicated on Drawings" to "One 35 foot pole and two at 30 foot poles."
  7. Specification Section 122413; dated 7-15-2023; Paragraph 2.3.C; Add "CEO OFFICE 206 and VP OFFICE 205, provide roller shades on exterior curtainwall CW7, 10' high x approximately 52' wide, 1 panel for each curtainwall horizontal section with individual control per office." Note, Contractor shall provide necessary power to all locations indicating Roller Window Shades noted. Contractors should also refer to Specification Section 122113 for Window Blind Schedule for all other windows.
  8. Add Specification SECTION 323113 - CHAIN LINK FENCES AND GATES; dated 7-15-2023 (11 Pages). For fence system around Operations Building.
  9. Add Specification SECTION 323113 - ARCHITECTURAL SEMI-PRIVATE ALUMINUM SCREENING AND GATES; dated 7-15-2023 (4 Pages). For Mechanical Yard Screen Wall.

END OF ADDENDUM NO. 1 (TOTAL NUMBER OF PAGES = 63)

Attachments:

1. As Noted

xc:

- All Bidders
- Donna Bullard, CEO
- Jeff Nethercutt
- Johnny Eason
- Matthew Briley, PE
- Brad Felts, PE
- Patrick McCabe, PE
- Kevin Roomsburg, PE
- Steve Janowski, PE
- Plan Rooms



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Minutes of Pre-Bid Meeting:

Meeting Date: September 6, 2023  
Location: STAR Communications- Marketing Building  
RE: STAR Communications New Headquarters and Operation Buildings  
JKF Project No.: 2022-17  
Date Prepared: September 6, 2023  
Attendees: See attached Sign-in Sheet

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Discussion:

- 1) John K. Farkas, AIA (JKF) of JKF Architecture provided introductions and conducted the Pre-Bid Conference. Owner's representatives included Donna Bullard, CEO, Jeff Nethercutt (Project Manager), Johnny Eason, VP, Neal Faircloth (VP).
- 2) JKF noted this was not a Mandatory Pre-Bid Conference for Bidders. Five General Contractors have been pre-qualified to bid.
- 3) Notice of Public Hearing for purposes of discussing Preferred Alternates is open by JKF. Requested any objection to stated Preferred Alternate. There were no objections. JKF closed the public discussion.
- 4) JKF reviewed Notice to Bidders, AIA Documents for Instructions to Bidders and General Conditions of the Contract, Supplementary Conditions including Liquidated Damage requirements, Guidelines for Recruitment and Selection of Minority Businesses for Participation.
  - a) Attendees were advised to review all MBE requirements and expectations as well as the proper bid documents to be submitted with Bid.
  - b) Bidders shall review the Contract documents for cancellation clauses for insurance required by the County without exception. They are noted in the General Conditions.
- 5) JKF reviewed Form of Proposal. Noted Bidders must complete all information required on the forms and properly execute the document. Read the complete requirements noted on the Bid Form for Minority Participation requirements and the forms that are to be submitted. Reviewed all the MBE Forms included in the Manual. WMBE goal is 10% in addition to Federal requirements noted.
- 6) JKF reviewed the Bid Bond, Form of Construction Contract draft, and Sales Tax Forms.
- 7) JKF reviewed the Summary of Work, Section 01100.
- 8) JKF reviewed Allowances and Unit Pricing for the project.
- 9) JKF noted this project is permitted by Sampson County. Contractors pay all fees for the project per General Conditions. Project has a Soil Erosion Permit. NCDOT Driveway permit is approved. City of Clinton Planning & Zoning Compliance has been received.
- 10) JKF noted that all questions shall be directed to his attention. E-mail are acceptable. JKF's e-mail is [jkf@jkf-arch.com](mailto:jkf@jkf-arch.com). All questions are to be submitted in writing no later than Wednesday, September 13<sup>th</sup>, at noon.



- 11) JKF noted there are no restrictions on working on the site.
- 12) JKF did a brief overview of the scope.
- 13) Discussed base bid duration. JKF noted that if there were noted concerns about the current climate for materials and other shortages, that these would be taken into consideration during the actual construction. Contractors will be afforded the opportunity to have time extended with no overhead recovery provided proper documentation is provided. This documentation would include when material orders were placed with subs, when subs ordered the materials, and estimated delivery times presented in writing from all parties without delays. A corrective change order for time only will be executed after actual delivery and a recovery schedule prepared for by the Contractor. This extension of time is also contingent on the contractor maintaining all other activities per the original approved schedule.
- 14) A list of attendees will be attached to the minutes of this meeting and included in Addendum #1.
- 15) Bidding Questions:
  - a) Tap fees are to be included in the Bid. City of Clinton Public Works can be contacted.
  - b) Impact fees , if applicable, will be paid directly by the Owner to the City if required.
  - c) Certified mason is required.
- 16) Contractors were free to visit the site.
- 17) Adjourned.

We believe the foregoing to be an accurate summary of discussions and related decisions. We would appreciate formal, written notification of exceptions to this record within seven (7) days of its release. Failing such notification, we will consider these minutes a matter of record.

Respectfully submitted,



John K. Farkas, AIA LEED-AP  
Principal/ Project Architect

xc:

- Donna Bullard
- Jeff Nethercutt
- Johnny Eason
- Patrick McCabe, PE
- Brad Felts, PE
- Matthew Briley, PE
- Kevin Roomsburg, PE
- Steve Janowski, PE
- All Bidders, Plan Rooms

Attach:

- Sign-in Sheet

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**SIGN IN SHEET**  
 PROJECT: Pre-Bid Conf.  
STAR Communication  
 MEETING DATE: 9/6/2023  
 JKF PROJECT NO: 2022-17

NAME	AFFILIATION	PHONE/ FAX	E-MAIL
John K. Farkas, AIA	JKF Architecture	252-355-1068	jkf@jkf-arch.com
SCOTT WYNN	J A LOVING CO.	919 734 8400	SWYNN@TALOVING.COM
Junior Fairfax	Bordeaux Construction	919-220-1141	estimating@bordeauxconstruction.com
Erik Barrow	Daniels + Daniels	(252) 714-8100	erikb@dandd.com
Alex Hefner	Baker Roofing	919-909-6180	Ahefner@bakerroofing.com
JAKE BOORMAN	Muter Construction	919-404-8330	Djones@muterconstruction.com
Teresa Walls	FayBlock - Concrete Serv.	910-988-6419	twalls@concrete-service.com
Jeremy Hunt	Quality Interior Systems	910-416-2494	jqualityinteriors.com
Ant McCabe	AE	919-955-2024	Patrick@antinterengineers.com
Matt Briley	AE	919-955-2022	Matthew@antinterengineers.com
DEAN DENNING	MONTEITH	919-750-4198	ddennin@monteithco.com
W. Neil Faircloth	Star - U.P of Finance	910-564-7812	Afaircloth@stmc.net
Donna C Bullard	STAR   CEO	910-564-7867	dcbullard@stmc.net
Jeff Nethercutt	SMC (retired)	910-385-7063	jnethercutt@stmc.com
Johnny Eason	SMC   VP of Operations	910-585-7648	jeason@stmc.net

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**ADDENDUM NO. 1**

**DATE: 9/13/2023**

**To: ALL BIDDERS**  
**From: ATLANTEC ENGINEERS**  
**RE: STAR COMMUNICATIONS HEADQUARTERS AND OPERATIONS BUILDINGS**  
JKF Project No. 2022-17  
Atlantec Project No. 22194

The following corrections, clarifications, or supplemental information is to be incorporated into the Contractor(s) bid to perform the work:

**CHANGES TO DRAWINGS:**

1. E1.0 – Island with traffic gates added to plans. An additional electrical connection for the second gate has been added. See bulletin drawing E1.0A for details.
2. E2.21 – A door to the low roof has been added to Stair 1. Door contacts have been added to the new door. See bulletin drawing E2.21A for details.
3. E5.3 – Contractor has requested a pole base detail. A pole base detail has been added to the plans. See bulletin drawing E5.3A for details.

**CLARIFICATIONS:**

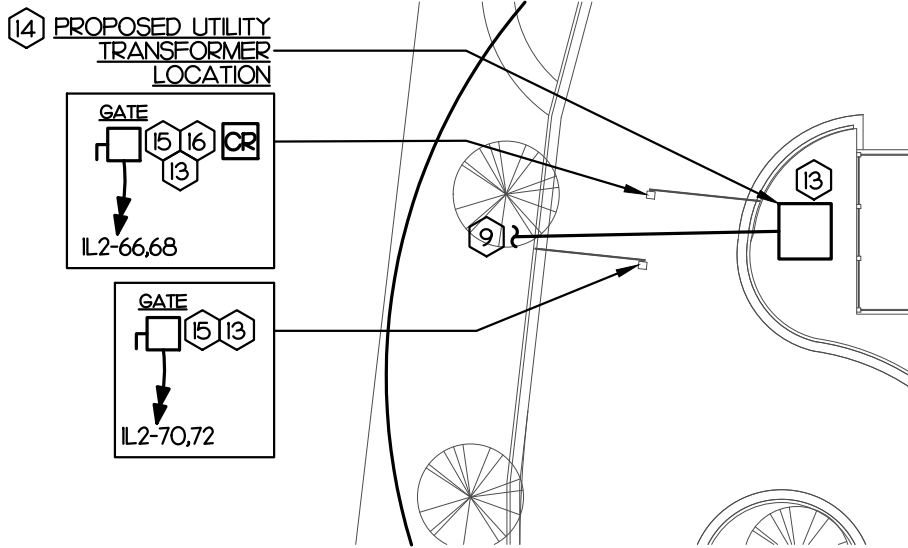
1. Add 'Kim Lighting' as an approved manufacturer to the fixture schedule for fixture type 'S' on sheet E5.3.
2. Add 'Columbia Lighting' as an approved manufacturer to the fixture schedule for fixture type 'A1' on sheet E5.3.
3. Add 'Prescolite' as an approved manufacturer to the fixture schedule for fixture type 'C1' on sheet E5.3.
4. Add 'Hubbell' as an approved manufacturer to the fixture schedule for fixture type 'G1' on sheet E5.3.
5. Add 'Emergi-lite' as an approved manufacturer to the fixture schedule for fixture types 'EG', 'EX', and 'EX2' on sheet E5.3.
6. Fixture 'P2' on sheet E5.3 should be specified as follows:
  - 6' Suspended Track: Zaneen – L3G50-SUS-SYS-30K-DIR-2M-6'-DV-UNV
  - (Qty: 7) Track Pendants – L38862-6-270-90-DV-30K
7. Change panel '1L2' from 72 space panel to 84 space panel. Add (1) 30A/2-pole breaker at 1L2-70,72 for additional gate operator. Branch circuit to be

**CHANGES TO SPECIFICATIONS:**

1. None.

**END OF ADDENDUM NO. 1**





## KEY NOTES

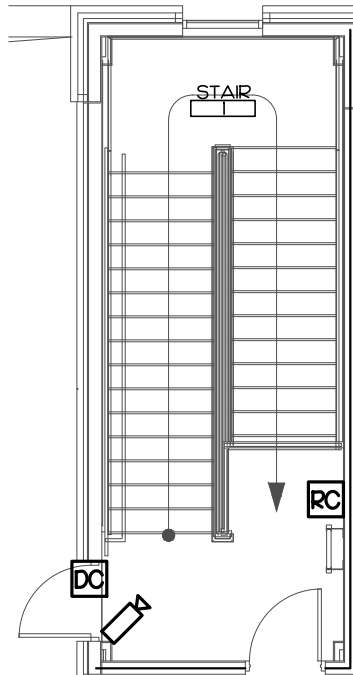
- (13) E.C. TO PROVIDE BOLLARDS PER 2018 NCFC SECTION 312 FOR PROTECTION OF ELECTRICAL EQUIPMENT.
- (14) E.C. TO PROVIDE PAD PER UTILITY INSTRUCTION.
- (15) FIELD COORDINATE GATE OPERATOR INSTALLATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE 1" CONDUIT FOR CONTROL WIRE AS REQUIRED.
- (16) CARD READER FOR GATE ACCESS. FIELD COORDINATE INSTALLATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. PROVIDE 1" CONDUIT FOR CONTROL WIRE AS REQUIRED.

# OVERALL SITE ELECTRICAL PLAN

SCALE: 1" = 30'-0"

A15

<b>JKF</b> ARCHITECTURE <small>625 LYNNDALE CT., SUITE F          GREENVILLE, NC 27858          PHONE 252-355-1068</small>		STAR COMMUNICATIONS NEW HEADQUARTERS CLINTON, NC	DRAWN <b>MCB</b>	SCALE <b>SEE PLANS</b>
		DRAWING TITLE <b>OVERALL SITE          ELECTRICAL PLAN</b>	CHECKED <b>MCB</b>	DRAWING NO. <b>E1.0A</b>
			DATE <b>2023-09-13</b>	
			PROJECT NO. <b>2022-17</b>	

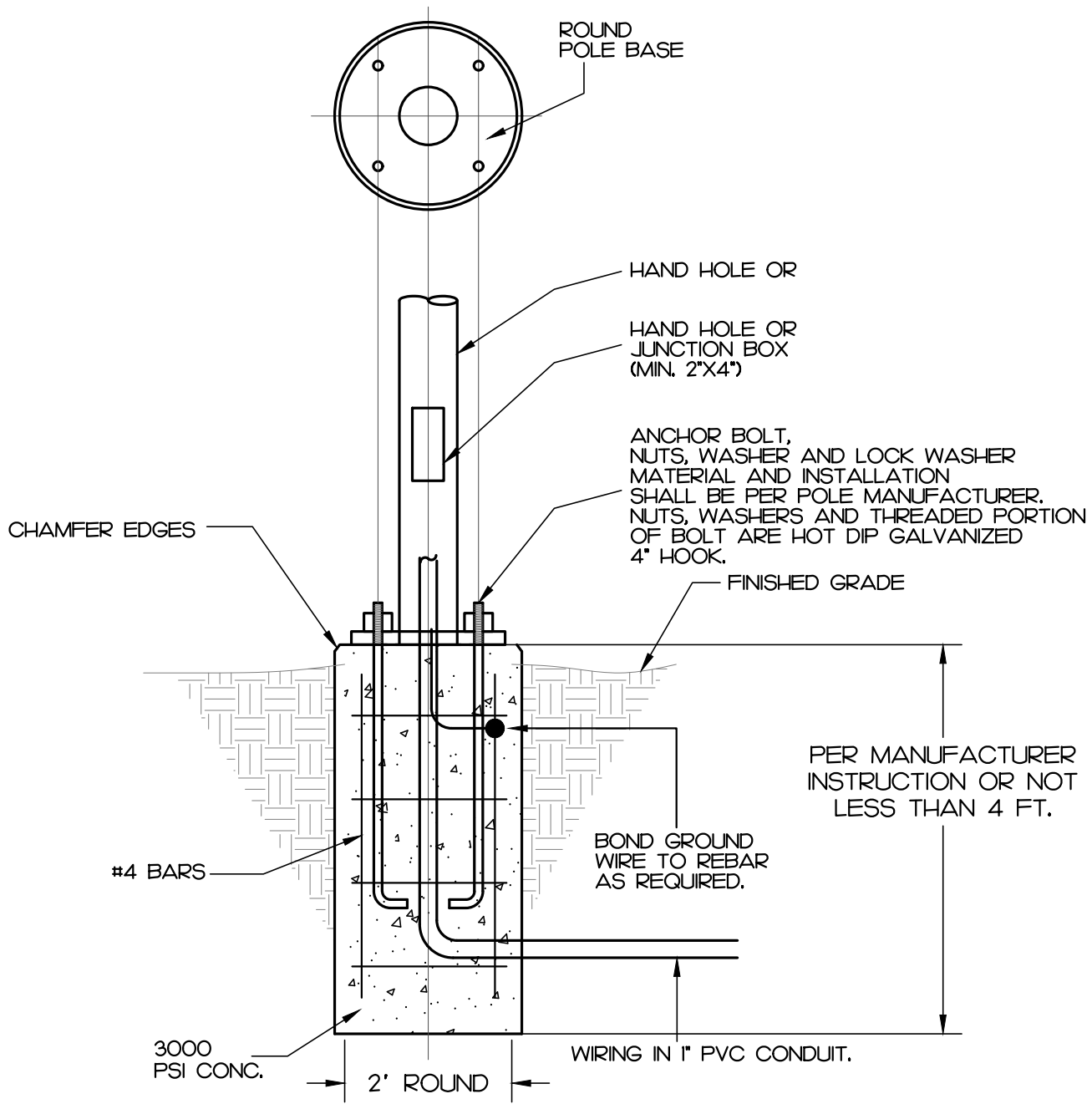


# SECOND FLOOR POWER PLAN - WEST

SCALE: 1/8" = 1'-0"

A15

<b>JKF</b> ARCHITECTURE <small>625 LYNNDALE CT., SUITE F          GREENVILLE, NC 27858          PHONE 252-355-1068</small>		STAR COMMUNICATIONS NEW HEADQUARTERS CLINTON, NC	DRAWN <b>MCB</b>	SCALE <b>SEE PLANS</b>
		DRAWING TITLE <b>SECOND FLOOR          POWER PLAN - WEST</b>	CHECKED <b>MCB</b>	DRAWING NO. <b>E2.21A</b>
			DATE <b>2023-09-13</b>	
			PROJECT NO. <b>2022-17</b>	



**NOTES:**

- I. SEE POLE MANUFACTURER INFORMATION FOR FURTHER INFORMATION. MANUFACTURER INFORMATION SHALL SUPERCEDE THE INFORMATION SHOWN ABOVE.

**POLE BASE DETAIL**

NOT TO SCALE

**A15**

<p><b>JKF</b> ARCHITECTURE</p> <p>625 LYNNDALE CT., SUITE F GREENVILLE, NC 27858 PHONE 252-355-1068</p>		<p>STAR COMMUNICATIONS NEW HEADQUARTERS CLINTON, NC</p>	<p>DRAWN <b>MCB</b></p>	<p>SCALE <b>SEE PLANS</b></p>
		<p>DRAWING TITLE <b>FIXTURE SCHEDULE AND POLE BASE DETAIL</b></p>	<p>CHECKED <b>MCB</b></p>	<p>DRAWING NO <b>E5.3A</b></p>
			<p>DATE <b>2023-09-13</b></p>	
			<p>PROJECT NO. <b>2022-17</b></p>	

## SECTION 105123 - PLASTIC-LAMINATE-CLAD LOCKERS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
1. Plastic-laminate-clad wood lockers.

#### 1.2 ACTION SUBMITTALS

- A. Product Data:
1. Plastic-laminate-clad wood lockers.
- B. Product Data Submittals: For each product.
1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of locker.
- C. Shop Drawings: For plastic-laminate-clad wood lockers.
1. Include plans, elevations, sections, and attachment details.
  2. Show details full size.
  3. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
  4. Show locations and sizes of cutouts and holes for items installed in lockers.
  5. Show locker fillers, trim, base, sloping tops, and accessories.
  6. Show locker identification system and numbering sequence.
- D. Samples for Initial Selection: For each type of the following:
1. High-pressure decorative laminates.
  2. Thermally fused laminate overlay panels.
- E. Samples for Verification: For the following products:
1. Plastic-laminate-clad panels, not less than 8 by 10 inches, for each type, color, pattern, and surface finish, with separate samples of unfaced panel product used for core.
  2. Thermally fused laminate-overlay-surfaced panels, not less than 8 by 10 inches, for each type, color, pattern, and surface finish.
  3. Corner pieces of locker front frame joints between stiles and rail, as well as exposed end pieces, not less than 18 inches wide by 18 inches high by 6 inches deep.
  4. Exposed cabinet hardware and accessories, one unit for each type and finish.

#### 1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

- B. Sample Warranty: For special warranty.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver lockers until painting and similar operations that could damage lockers have been completed in installation areas. If lockers must be stored in other-than-installation areas, store only in areas where environmental conditions are the same as those in final installation location, and comply with requirements specified in "Field Conditions" Article.

#### 1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install lockers until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- B. Field Measurements: Where lockers are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings.
  - 1. Locate concealed framing, blocking, and reinforcements that support lockers by field measurements before being enclosed, and indicate measurements on Shop Drawings.
- C. Established Dimensions: Where lockers are indicated to fit to other construction, establish dimensions for areas where lockers are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

#### 1.7 COORDINATION

- A. Coordinate sizes and locations of concealed wood support bases.
- B. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other Sections to ensure that lockers can be supported and installed as indicated.

#### 1.8 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of lockers that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Structural failures.
    - b. Faulty operation of locks or hardware.
    - c. Deterioration of wood, finishes, and other materials beyond normal use.
  - 2. Warranty Period: Three years from date of Substantial Completion.



## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

- A. Accessibility Standard: For lockers indicated to be accessible, comply with applicable provisions in the USDOJ's "2010 ADA Standards for Accessible Design" and ICC A117.1.

### 2.2 PLASTIC-LAMINATE-CLAD WOOD LOCKERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - 1. Classic Woodworking, LLC.
  - 2. Famous Lockers.
  - 3. Hollman, Inc.
  - 4. Ideal Products, Inc.
  - 5. Legacy Lockers.
  - 6. List Industries Inc.
- B. Construction Style: Flush overlay.
  - 1. Reveal Dimension: 1/2 inch.
- C. Final Assembly: Manufacturer's standard factory assembly.
- D. Locker Body: Fabricated from particleboard-core panels covered on both sides with thermally fused laminate overlay.
  - 1. Side Panels: Manufacturer's standard 3/4 or 5/8 inch thick.
  - 2. Back Panel: 1/2 inch thick.
  - 3. Top Panel: Manufacturer's standard 3/4 or 5/8 inch thick.
  - 4. Bottom Panel: Manufacturer's standard 3/4 or 5/8 inch thick.
  - 5. Exposed Panel Edges: Thermally fused laminate overlay to match panel.
- E. Plastic-Laminate-Clad Wood Doors: High-pressure decorative laminate, Grade VGS, over both sides of particleboard core.
  - 1. Thickness: 3/4 inch thick.
  - 2. Panel Edges: 3-mm-thick PVC.
- F. End Panels: Match style, material, construction, and finish of plastic-laminate-clad wood doors.
- G. Shelves: Fabricated from particleboard-core panels covered on both sides with thermally fused laminate overlay; adjustable.
  - 1. Thickness: 3/4 inch.
  - 2. Exposed Edges: 3-mm-thick PVC.
- H. Corners and Filler Panels: 3/4-inch-thick panels. Match style, material, construction, and finish of plastic-laminate-clad wood doors.
- I. Continuous Finish Base: Plastic-laminate-clad, 3/4-inch-thick panel that matches door faces; fabricated in lengths as long as practical to enclose base and base ends of lockers.

- J. Plastic-Laminate Colors, Patterns, and Finishes:
  - 1. As selected by Architect from plastic-laminate manufacturer's full range of solid colors with core same color as surface.

## 2.3 MATERIALS

- A. Composite Wood: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.
  - 1. Softwood Plywood: DOC PS 1, medium-density overlay.
- B. High-Pressure Decorative Laminate: ISO 4586-3, grades as follows:
  - 1. Horizontal Surfaces: Grade HGS.
  - 2. Postformed Surfaces: Grade HGP.
  - 3. Vertical Surfaces: Grade HGS.
- C. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln dried to less than 15 percent moisture content.
- D. Anchors: Material, type, size, and finish as required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.

## 2.4 HARDWARE

- A. Cam Padlock Hasp: Surface mounted, steel; finished to match other locker hardware.
- B. Frameless Hinges (European Type): Fully concealed, self-closing, nickel-plated steel, with not less than 125 degrees of opening.
  - 1. Provide two hinges for doors 36 inches high and less.
  - 2. Provide three hinges for doors more than 36 inches high.
- C. Accessible Handle: Metal, fixed, graspable lever handle and rose trim; recessed.
- D. Shelf Rests: BHMA A156.9, B04013.
- E. Hooks: Manufacturer's standard, ball-pointed aluminum or steel; finished to match other locker hardware. Attach hooks with at least two fasteners.
  - 1. Provide one double-prong ceiling hook and two single-prong wall hooks for each compartment of double-tier lockers.
- F. Coat Rods: 3/4-inch- diameter steel; finished to match other locker hardware.
  - 1. Provide coat rods as indicated on Drawings.
  - 2. Provide coat rod for each compartment of double-tier lockers.
- G. Exposed Hardware Finish:
  - 1. Satin chrome unless otherwise indicated.

2. Unless otherwise indicated, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
  - a. Satin Chromium Plated: BHMA 626 for brass or bronze base; BHMA 652 for steel base.

## 2.5 ACCESSORIES

- A. Number Identification Plates: 1-1/2-inch-diameter, etched, embossed, or stamped, stainless steel plates with black numbers and letters at least 1/2 inch high. Identify lockers in sequence indicated on Drawings.

## 2.6 FABRICATION

- A. Fabricate each locker with shelves, an individual door and frame, an individual top, a bottom, and a back, and with common intermediate uprights separating compartments.
  1. Fabricate lockers to dimensions, profiles, and details indicated.
  2. Ease edges of corners of solid-wood members to 1/16-inch radius.
- B. Fabricate lockers square, rigid, without warp, and with finished faces flat and free of dents, scratches, and chips. Accurately factory machine components for attachments. Make joints tight and true.
  1. Fabricate lockers using manufacturer's standard construction, with joints made with dowels, dados, or rabbets. Dado side panels to receive shelving except where indicated to be adjustable.
  2. Fabricate lockers with joints that are dadoed or rabbeted, glued full length, and stapled. Dado side panels to receive shelving except where indicated to be adjustable.
- C. Venting: Fabricate lockers with space between doors and locker assembly of not less than 1/4 inch.
- D. Number Identification Plates: Inlay number plates flush in each locker door, near top, centered.
- E. Complete fabrication, including assembly, finishing, and hardware application, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
  1. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that the parts fit as intended, and check measurements of assemblies against field measurements indicated on Shop Drawings before disassembling for shipment.
  2. Use only manufacturer's nuts, bolts, screws, and other devices for assembly.
- F. Shop cut openings, to maximum extent possible, to receive hardware, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
- G. Attach PVC edging to panels by thermally fusing edging to panels after panel fabrication.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine walls and floors or support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify that furring is attached to concrete and masonry walls that are to receive lockers.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Condition lockers to average prevailing humidity conditions in installation areas before installation.
- B. Before installing lockers, examine factory-fabricated work for completeness and complete work as required, including removal of packing.

### 3.3 INSTALLATION

- A. Install lockers level, plumb, and true; use concealed shims.
- B. Connect groups of lockers together with manufacturer's standard[ **brass-finished**] fasteners, through predrilled holes, with no exposed fasteners on face frames. Fit lockers accurately together to form flush, tight, hairline joints.
- C. Install lockers without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings, providing unencumbered operation. Complete installation of hardware and accessory items as indicated.
  - 1. Installation Tolerance: No more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line. Shim as required with concealed shims.
- D. Locker Anchorage:
  - 1. Fasten lockers through wood locker base, at ends, and not more than 36 inches o.c. with No. 8 flush-head wood screws sized for 1-inch penetration into wood base.
  - 2. Fasten lockers through back, near top and bottom, at ends with No. 8 flush-head wood screws sized for 1-inch penetration into wood framing, blocking, or furring and spaced not more than 16 inches o.c.
- E. Scribe and cut corner and filler panels to fit adjoining work using fasteners concealed where practical. Repair damaged finish at cuts.
- F. Install number identification plates after lockers are in place.
  - 1. Attach number identification plate on each locker door, near top, centered, with at least two screws with finish matching the plate.
  - 2. Attach name identification plate holder on each locker door, centered, with at least two screws, with finish matching the name identification plate holder.

3.4 ADJUSTING

- A. Clean, lubricate, and adjust hardware. Adjust doors to operate easily without binding. Verify that integral locking devices operate properly.

3.5 PROTECTION

- A. Protect lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.
- B. Touch up marred finishes, or replace lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

**END OF SECTION 105123**

## SECTION 323113 - CHAIN LINK FENCES AND GATES

### 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. Chain-link fences.
  - 2. Horizontal-slide, motor-operated gates.
  - 3. Privacy slats.

#### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
  - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for the following:
    - a. Fence and gate posts, rails, and fittings.
    - b. Chain-link fabric, reinforcements, and attachments.
    - c. Accessories: Privacy slats.
    - d. Gates and hardware.
    - e. Gate operators, including operating instructions and motor characteristics.
- B. Shop Drawings: For each type of fence and gate assembly.
  - 1. Include plans, elevations, sections, details, and attachments to other work.
  - 2. Include accessories, hardware, gate operation, and operational clearances.
  - 3. Gate Operator: Show locations and details for installing operator components, switches, and controls. Indicate motor size, electrical characteristics, drive arrangement, mounting, and grounding provisions.
  - 4. Wiring Diagrams: For power, signal, and control wiring.
- C. Samples for Initial Selection: For each type of factory-applied finish.
- D. Samples for Verification: For each type of component with factory-applied finish, prepared on Samples of size indicated below:
  - 1. Polymer-Coated Components: In 6-inch lengths for components and on full-sized units for accessories.
- E. Delegated-Design Submittal: For structural performance of chain-link fence and gate frameworks, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For gate operators to include in emergency, operation, and maintenance manuals.

#### 1.5 QUALITY ASSURANCE

- A. Emergency Access Requirements: According to requirements of authorities having jurisdiction for gates with automatic gate operators serving as a required means of access.

#### 1.6 FIELD CONDITIONS

- A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

#### 1.7 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Failure to comply with performance requirements.
    - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
    - c. Faulty operation of gate operators and controls.
  - 2. Warranty Period: Five years from date of Substantial Completion.

### **PART 2 - PRODUCTS**

#### 2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design chain-link fence and gate frameworks.
- B. Structural Performance: Chain-link fence and gate frameworks shall withstand the design wind loads and stresses for fence height(s) and under exposure conditions indicated according to ASCE/SEI 7.
  - 1. Design Wind Load: As indicated on Drawings.
    - a. Minimum Post Size: Determine according to ASTM F1043 for post spacing not to exceed 10 feet for Material Group IA, ASTM F1043, Schedule 40 steel pipe.
    - b. Minimum Post Size and Maximum Spacing: Determine according to CLFMI WLG 2445, based on mesh size and pattern specified.
- C. Lightning Protection System: Maximum resistance-to-ground value of 25 ohms at each grounding location along fence under normal dry conditions.

## 2.2 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist according to "CLFMI Product Manual" and requirements indicated below:
1. Fabric Height: Six foot High.
  2. Steel Wire for Fabric: Wire diameter of 0.192 inch.
    - a. Mesh Size: 2 inches.
    - b. Polymer-Coated Fabric: ASTM F668, Class 1 over zinc-coated steel wire.
      - 1) Color: Black, according to ASTM F934.
    - c. Coat selvage ends of metallic-coated fabric before the weaving process with manufacturer's standard clear protective coating.
  3. Selvage: Knuckled at both selvages.

## 2.3 FENCE FRAMEWORK

- A. Posts and Rails: ASTM F1043 for framework, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F1043 or ASTM F1083 based on the following:
1. Fence Height: 72 inches.
  2. Heavy-Industrial-Strength Material: Group IA, round steel pipe, Schedule 40.
    - a. Line Post: 4.0 inches in diameter.
    - b. End, Corner, and Pull Posts: 4.0 inches in diameter.
  3. Horizontal Framework Members: Intermediate, top and bottom rails according to ASTM F1043.
    - a. Top Rail: 1.66 inches in diameter.
  4. Brace Rails: ASTM F1043.
  5. Polymer coating over metallic coating.
    - a. Color: Match chain-link fabric, according to ASTM F934.

## 2.4 TENSION WIRE

- A. Polymer-Coated Steel Wire: 0.177-inch- diameter, tension wire according to ASTM F1664, Class 1 over zinc-coated steel wire.
1. Color: Match chain-link fabric, according to ASTM F934.

## 2.5 HORIZONTAL-SLIDE GATES

- A. General: ASTM F1184 for gate posts and double sliding gate types. Provide automated vehicular gates according to ASTM F2200.



1. Classification: Type II Cantilever Slide, Class 1 with external roller assemblies.
  - a. Gate Frame Width and Height: More than 48 inches wide by any height As indicated.

B. Pipe and Tubing:

1. Zinc-Coated Steel: Protective coating and finish to match fence framework.
2. Gate Posts: ASTM F1184. Provide round tubular steel posts.
3. Gate Frames and Bracing: Round tubular steel.

C. Frame Corner Construction: Welded.

D. Hardware:

1. Hangers, Roller Assemblies, and Stops: Fabricated from mill-finished Grade 319 aluminum-alloy casting with stainless-steel fasteners.
2. Latch: Permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.
3. Lock: Manufacturer's standard internal device.

## 2.6 FITTINGS

A. Provide fittings according to ASTM F626.

B. Post Caps: Provide for each post.

1. Provide line post caps with loop to receive tension wire or top rail.

C. Rail and Brace Ends: For each gate, corner, pull, and end post.

D. Rail Fittings: Provide the following:

1. Top Rail Sleeves: Pressed-steel or round-steel tubing not less than 6 inches long.
2. Rail Clamps: Line and corner boulevard clamps for connecting intermediate and bottom rails to posts.

E. Tension and Brace Bands: Pressed steel.

F. Tension Bars: Steel, length not less than 2 inches shorter than full height of chain-link fabric. Provide one bar for each gate and end post, and two for each corner and pull post, unless fabric is integrally woven into post.

G. Truss Rod Assemblies: Steel, hot-dip galvanized after threading rod and turnbuckle or other means of adjustment.

H. Tie Wires, Clips, and Fasteners: According to ASTM F626.

1. Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, according to the following:
  - a. Hot-Dip Galvanized Steel: 0.148-inch- diameter wire; galvanized coating thickness matching coating thickness of chain-link fence fabric.

I. Finish:

1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz./sq. ft. of zinc.
  - a. Polymer coating over metallic coating.

## 2.7 PRIVACY SLATS

- A. Fiber-Glass-Reinforced Plastic Slats: UV-light-stabilized fiber-glass-reinforced plastic, not less than 0.06 inch thick, sized to fit mesh specified for direction indicated, with vandal-resistant fasteners and lock strips.
- B. Color: Black.

## 2.8 GATE OPERATORS

- A. Operators: Factory-assembled, automatic, gate-operating system designed for gate size, type, weight, and frequency of use. Control system shall have characteristics suitable for Project conditions, with control stations, safety devices, and weatherproof enclosures.
  1. Operator design shall allow for removal of cover or motor without disturbing limit-switch adjustment and without affecting auxiliary emergency operation.
  2. Electronic components shall have built-in troubleshooting diagnostic feature.
  3. Unit shall be designed and wired for both right-hand/left-hand opening, permitting universal installation.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- C. UL Standard: Manufacture and label gate operators according to UL 325.
- D. Motors: Comply with NEMA MG 1.
  1. Duty: Continuous duty at ambient temperature of 40 deg C and at altitude of 3300 feet above sea level.
  2. Capacity and Torque Characteristics: Sufficient to start, accelerate, and operate connected loads at designated speeds, at installed altitude and environment, with indicated operating sequence, and without exceeding nameplate ratings or considering service factor.
  3. Service Factor: 1.15.
  4. Electrical Characteristics:
    - a. Horsepower: 2 Insert horsepower.
    - b. Voltage: 208 V ac, three phase, 60 hertz.
- E. Gate Operators: Pedestal post mounted and as follows:
  1. Mechanical Slide Gate Operators:
    - a. Duty: Heavy duty, commercial/industrial.
    - b. Gate Speed: Minimum 45 feet per minute.
    - c. Maximum Gate Weight: 800 lb.
    - d. Frequency of Use: 25 cycles per hour.
    - e. Operating Type: Wheel and rail drive,.
    - f. Drive Type: V-belt and chain-and-sprocket reducers, roller-chain drive.

- F. Controls: Electric controls separated from gate and motor and drive mechanism, with NEMA 250, Type 3R enclosure for pedestal mounting and with space for additional optional equipment.
- G. Control Devices:
1. Card Reader: Functions only when authorized card is presented. Programmable, magnetic multiple-code system, permitting four different access time periods; face-lighted unit fully visible at night.
    - a. Reader Type: Proximity.
    - b. Features: Timed anti-passback. Limited-time usage. Capable of monitoring and auditing gate activity.
  2. Vehicle Loop Detector: System that includes automatic closing timer with adjustable time delay before closing and loop detector designed to hold gate open until traffic clears. Provide electronic detector with adjustable detection patterns, adjustable sensitivity and frequency settings, and panel indicator light designed to detect presence or transit of a vehicle over an embedded loop of wire and to emit a signal activating the gate operator. Provide number of loops consisting of multiple strands of wire, number of turns, loop size, and method of placement at location shown on Drawings, and as recommended in writing by detection system manufacturer for function indicated.
    - a. Loop: Field-assembled wire, in size indicated, for pave-over installation.
  3. Vehicle Presence Detector: System that includes automatic closing timer with adjustable time delay before closing and presence detector designed to hold gate open until traffic clears.
    - a. Provide retroreflective detector with adjustable detection zone pattern and sensitivity, designed to detect the presence or transit of a vehicle in gate pathway when infrared beam in zone pattern is interrupted, and to emit a signal activating the gate operator.
- H. Obstruction Detection Devices: Provide each motorized gate with automatic safety sensor(s). Activation of sensor(s) causes operator to immediately function as follows:
1. Action: Reverse gate in both opening and closing cycles and hold until clear of obstruction.
  2. Internal Sensor: Built-in torque or current monitor senses gate is obstructed.
  3. Photoelectric/Infrared Sensor: Designed to detect an obstruction in gate's path when infrared beam in the zone pattern is interrupted.
- I. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop gate at fully open and fully closed positions.
- J. Emergency Release Mechanism: Quick-disconnect release of operator drive system, permitting manual operation if operator fails. Control circuit power is disconnected during manual operation.
- K. Operating Features:
1. Digital Microprocessor Control: Electronic programmable means for setting, changing, and adjusting control features with capability for monitoring and auditing gate activity. Provide unit that is isolated from voltage spikes and surges.
  2. System Integration: With controlling circuit board capable of accepting any type of input from external devices.
  3. Master/Slave Capability: Control stations designed and wired for gate pair operation.
  4. Automatic Closing Timer: With adjustable time delay before closing.

5. Open Override Circuit: Designed to override closing commands.
6. Reversal Time Delay: Designed to protect gate system from shock load on reversal in both directions.
7. Maximum Run Timer: Designed to prevent damage to gate system by shutting down system if normal time to open gate is exceeded.
8. Clock Timer: 24 hour, programmable for regular events.

L. Accessories:

1. External electric-powered solenoid lock with delay timer allowing time for lock to release before gate operates.
2. Instructional, Safety, and Warning Labels and Signs: Manufacturer's standard for components and features specified.
3. Equipment Bases/Pads: Cast-in-place or precast concrete, depth not less than 12 inches, dimensioned and reinforced according to gate-operator component manufacturer's written instructions and as indicated on Drawings.

## 2.9 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107/C1107M. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating, and that is recommended in writing by manufacturer for exterior applications.

## 2.10 GROUNDING MATERIALS

- A. Comply with requirements in Section 260526 "Grounding and Bonding for Electrical Systems."
- B. Connectors and Grounding Rods: Listed and labeled for complying with UL 467.
  1. Connectors for Below-Grade Use: Exothermic welded type.
  2. Grounding Rods: Copper-clad steel, 5/8 by 96 inches.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
  1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

### 3.3 CHAIN-LINK FENCE INSTALLATION

- A. Install chain-link fencing according to ASTM F567 and more stringent requirements specified.
  - 1. Install fencing on established boundary lines inside property line.
- B. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- C. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
  - 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
  - 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
    - a. Exposed Concrete: Extend 2 inches above grade; shape and smooth to shed water.
    - b. Concealed Concrete: Place top of concrete 2 inches below grade to allow covering with surface material.
- D. Terminal Posts: Install terminal end, corner, and gate posts according to ASTM F567 and terminal pull posts at changes in horizontal or vertical alignment of 15 degrees or more. For runs exceeding 500 feet, space pull posts an equal distance between corner or end posts.
- E. Line Posts: Space line posts uniformly at 10 feet maximum o.c.
- F. Post Bracing and Intermediate Rails: Install according to ASTM F567, maintaining plumb position and alignment of fence posts. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.
  - 1. Locate horizontal braces at midheight of fabric 72 inches or higher, on fences with top rail, and at two-third fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.
- G. Top Rail: Install according to ASTM F567, maintaining plumb position and alignment of fence posts. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.
- H. Intermediate and Bottom Rails: Secure to posts with fittings.
- I. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 1-inch bottom clearance between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.
- J. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts, with tension bands spaced not more than 15 inches o.c.

- K. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric according to ASTM F626. Bend ends of wire to minimize hazard to individuals and clothing.
  - 1. Maximum Spacing: Tie fabric to line posts at 12 inches o.c. and to braces at 24 inches o.c.
- L. Privacy Slats: Install slats in direction indicated, securely locked in place.
  - 1. Diagonally for privacy factor of 80 to 85.

### 3.4 GATE INSTALLATION

- A. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation.

### 3.5 GATE-OPERATOR INSTALLATION

- A. Install gate operators according to manufacturer's written instructions, aligned and true to fence line and grade.
- B. Excavation: Hand-excavate holes for posts, pedestals, and equipment bases/pads, in firm, undisturbed soil to dimensions and depths and at locations according to gate-operator component manufacturer's written instructions and as indicated.
- C. Vehicle Loop Detector System: Bury wire loop according to manufacturer's written instructions. Connect to equipment operated by detector.
- D. Ground electric-powered motors, controls, and other devices according to NFPA 70 and manufacturer's written instructions.

### 3.6 GROUNDING AND BONDING

- A. Fence and Gate Grounding:
  - 1. Ground for fence and fence posts shall be a separate system from ground for gate and gate posts.
  - 2. Install ground rods and connections at maximum intervals of 1500 feet.
  - 3. Fences within 100 Feet of Buildings, Structures, Walkways, and Roadways: Ground at maximum intervals of 750 feet.
  - 4. Ground fence on each side of gates and other fence openings.
    - a. Bond metal gates to gate posts.
    - b. Bond across openings, with and without gates, except openings indicated as intentional fence discontinuities. Use No. 2 AWG wire and bury it at least 18 inches below finished grade.
- B. Protection at Crossings of Overhead Electrical Power Lines: Ground fence at location of crossing and at a ground rod located a maximum distance of 150 feet on each side of crossing.
- C. Fences Enclosing Electrical Power Distribution Equipment: Ground according to IEEE C2 unless otherwise indicated.

- D. Grounding Method: At each grounding location, drive a grounding rod vertically until the top is 6 inches below finished grade. Connect rod to fence with No. 6 AWG conductor. Connect conductor to each fence component at grounding location.
  - 1. Make grounding connections to each barbed wire strand with wire-to-wire connectors designed for this purpose.
  - 2. Make grounding connections to each barbed tape coil with connectors designed for this purpose.
- E. Connections:
  - 1. Make connections with clean, bare metal at points of contact.
  - 2. Make aluminum-to-steel connections with stainless-steel separators and mechanical clamps.
  - 3. Make aluminum-to-galvanized-steel connections with tin-plated copper jumpers and mechanical clamps.
  - 4. Make above-grade ground connections with mechanical fasteners.
  - 5. Make below-grade ground connections with exothermic welds.
  - 6. Coat and seal connections having dissimilar metals with inert material to prevent future penetration of moisture to contact surfaces.
- F. Bonding to Lightning Protection System: Ground fence and bond fence grounding conductor to lightning protection down conductor or lightning protection grounding conductor according to NFPA 780.
- G. Comply with requirements in Section 264113 "Lightning Protection for Structures."

### 3.7 ADJUSTING

- A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Automatic Gate Operator: Energize circuits to electrical equipment and devices, start units, and verify proper motor rotation and unit operation.
  - 1. Hydraulic Operator: Purge operating system, adjust pressure and fluid levels, and check for leaks.
  - 2. Test and adjust operators, controls and safety devices. Replace damaged and malfunctioning controls and equipment.
  - 3. Lubricate operator and related components.
- C. Lubricate hardware and other moving parts.

### 3.8 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain chain-link fences and gates.

**END OF SECTION 323113**

## SECTION 323113 - ARCHITECTURAL SEMI-PRIVATE ALUMINUM SCREENING AND GATES

### PART 1 – GENERAL

#### 1.1. DESCRIPTION

- A. This section describes the following Mechanical Yard fence system:
  - 1. Semi-private panels fabricated with extruded aluminum planks and structural aluminum profiles including extruded aluminum fence posts and aluminum panel gates. Semi-private panel security screening and gates shall be furnished and installed as shown on the plans and specified herein, overall height of semi private screening shall be 8'-0" tall.

#### 1.2. REQUIREMENTS

- A. Furnish materials, labor, expertise and equipment necessary to complete all work specified in this section and as shown on the drawings.
- B. Structural Performance: Provide product and installation capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated.
  - i. Uniform pressure of 30 lbf/sq. ft. acting inward or outward.
  - ii. Thermal Movements resulting from a temperature change (range) of 120 degrees Fahrenheit ambient and 180 degrees Fahrenheit material surfaces.

#### 1.3. SUBMITTALS

- A. Shop drawings and manufacturer's literature: Provide specifications and construction detail drawings to substantiate quality of materials and provide details of fabrication and installation.
- B. Submittals shall be in accordance with standard construction practices to include complete detailed layout of all panels, posts, gates. Submittals shall include plan layout, elevations and section views of panels, posts and gates.
- C. Certificate: manufacturer's certification that materials meet specification requirements.

#### 1.4. REFERENCES

- A. ASTM B 209 – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- B. ASTM B 221 – Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
- C. ASTM D3363 – Standard Test Method for Film Hardness by Pencil Test.
- D. ASTM D2794 – Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation.
- E. ASTM B117 – Standard Practice for Operating Salt Spray Apparatus.
- F. ASTM D822 – Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.
- G. AWS D1.2 Structural Welding Code – Aluminum.

#### 1.5. QUALITY ASSURANCE

- A. Installation of fence and materials shall conform to the requirements of the fence manufacturer.
- B. The fence shall be warranted from any defects in materials and workmanship for a period as specified in the relevant section of the contract documents.

### PART 2 – PRODUCTS



## 2.1. MATERIALS

- A. Semi-private panel security fence:
1. Approved Architectural Semi private Screening System, Manufacturer:
    - a. PalmSHIELD Manufacturing (Basis of Design), or approved equal.
  2. Material Descriptions:
    - a. Extruded Aluminum: ASTM B 221, Alloy 6063 – Temper T-6.
    - b. Sheet Aluminum: ASTM B211, Alloy 6063 – Temper T6.
    - c. Powder Coating Material Hardness: ASTM 3363 2H.
  2. Panel Description:
    - a. Panel Height: 8'-0"
    - b. Panel Width: 72"
    - c. Semi-private system consisting of horizontal planks fabricated with extruded aluminum framing structural profiles and supported by extruded aluminum fence posts.
    - d. .938" x 6" tubular slat T-6063 with 1"-2" air gap as shown on plans and based on screen height.
    - e. Panel Vertical Framework: 2 ½" x 2 ½" inch x 1/8" inch aluminum angle. Framework supporting the semi-private plank screening shall be solid welded and mitered.
    - f. Panel Horizontal Top Cap: 2 ½" x 2 ½" inch x 1/8" inch aluminum angle
    - g. Panel Horizontal Bottom Cap: 2 ½" x 2 ½" inch x 1/8" inch aluminum angle
  3. Fence Posts:
    - a. Panel posts shall be 3" square x 1/8" inch minimum extruded tubular aluminum sections with solid aluminum caps. Length as specified on the contract drawings.
    - b. On center post spacing shall be as specified by manufacturer.
    - c. All fence posts to be plated with 8" x 8" x 5/8" aluminum plates with four ¾" hole for anchors.
  4. Fittings and accessories: All fittings and accessories shall be stainless steel and sized as specified by the fence manufacturer. Fence panels to be attached to posts with ¼" x 1" stainless steel screws. Panels and posts are predrilled to support level installation.
  5. Anchor Bolts: Anchor bolts shall be minimum 8"x 5/8" threaded and adequate to support loads based on screening height, exposures and loading.
  6. Gates: Swing to exterior of enclosure, size as shown on contract drawings.
    - a. Panel spacing, style and appearance shall be identical to fence panels.
    - b. Gate hinges to be Gorilla barrel hinge with ¾" rod, ball bearing, and grease zert. Hinge plate to be ½" thick plates offset to create a 5/8" gap. Standard hardware as required by the gate manufacturer for complete functional operation. Hinges to be bolted to gate frame and field welded to steel gate posts.
    - c. Gate latch to be internal lock with exterior grab handles. Lock may be keyed and rekeyed. Lock is accessible from both sides of gate.

- d. Welded frame, size as shown on the contract drawings, extruded aluminum tubing with aluminum fixed panels to match fencing material.
  - e. Drop rods to be 1" schedule 40 pipe and through bolted to gate frame.
  - f. Hardware: Size and type as determined by the manufacturer. Provide three hinges per leaf.
    - 1. Provide 1 inch diameter center cane bolt assembly and strike, each door.
    - 2. Provide padlockable slide bolt assembly.
  - g. Gate shall have welded frame fabricated from extruded aluminum tubing with aluminum panels to match fencing material. Frame configurations shall be as indicated on the contract drawings.
  - h. Gate posts shall be as determined by manufacturer. Gate posts to be specified to support gates.
6. Factory Finish: Aluminum fence panels, posts and gates shall receive polyester powder coating.
- a. Polyester powder coating: Electrostatically applied colored polyester powder coating heat cured to chemically bond finish to metal substrate.
  - b. Color shall be as selected by Architect from full range of colors.
  - c. Minimum hardness measured in accordance with ASTM D3363 2H.
  - d. Direct impact resistance tested in accordance with ASTM D2794. Withstand 160 inch-pounds.
  - e. Salt spray resistance tested in accordance with ASTM B117: No undercutting, rusting, or blistering after 500 hours in 5 percent salt spray at 95° F and 95% relative humidity after 1,000 hours, less than 3/16 inches undercutting.
  - f. Weatherability tested in accordance with ASTM D822: No film failure and 88 percent gloss retention after 1 year exposure in South Florida with test panels tilted 45°.

### **PART 3 – EXECUTION**

#### **3.1 INSPECTION**

- A. Verify that final grading in fence location is completed and without irregularities which will interfere with fence installation. PalmShield is designed to be installed on a level surface. Variations in height, slopes, stairs steeping shall be shown on contract drawings and on submittal drawings.
- B. Field verify all fence dimensions and layout prior to commencing installation.
- C. Do not commence work until unsatisfactory conditions have been corrected.

#### **3.2 INSTALLATION**

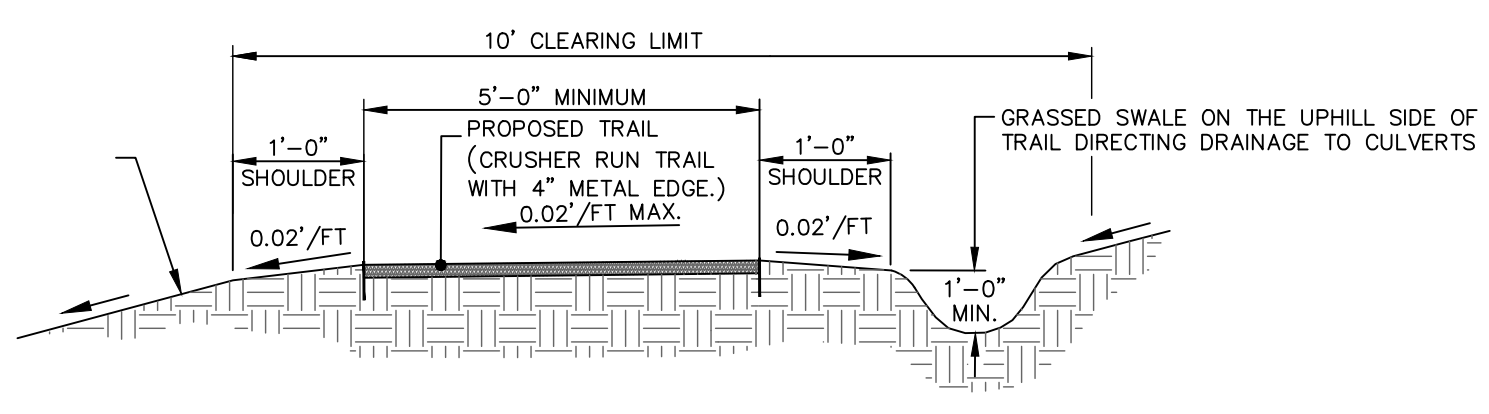
- A. Install fence in accordance with manufacturer's installation instructions.
- B. Install fence plumb and level. Posts are plated and mounted to top of surface.
- C. Do not install bent, bowed or otherwise damaged panels. Remove damaged components from site and replace.
- D. Secure fence panels with stainless with ¼" x 1" stainless steel screws to fence posts. All posts and panels will be predrilled to support level installation.

E. Gates

- a. Install gates and adjust hardware for smooth operation

**END OF SECTION 323113**

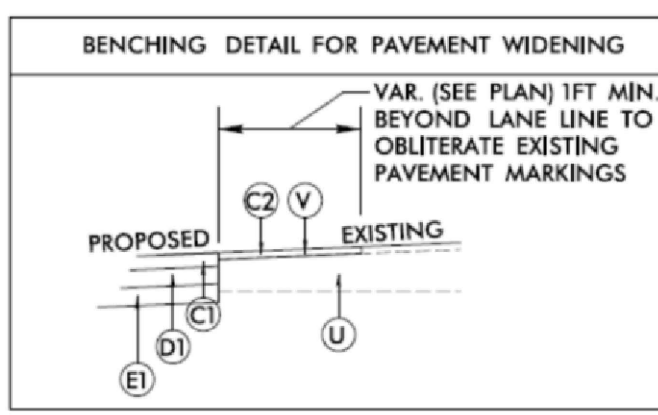




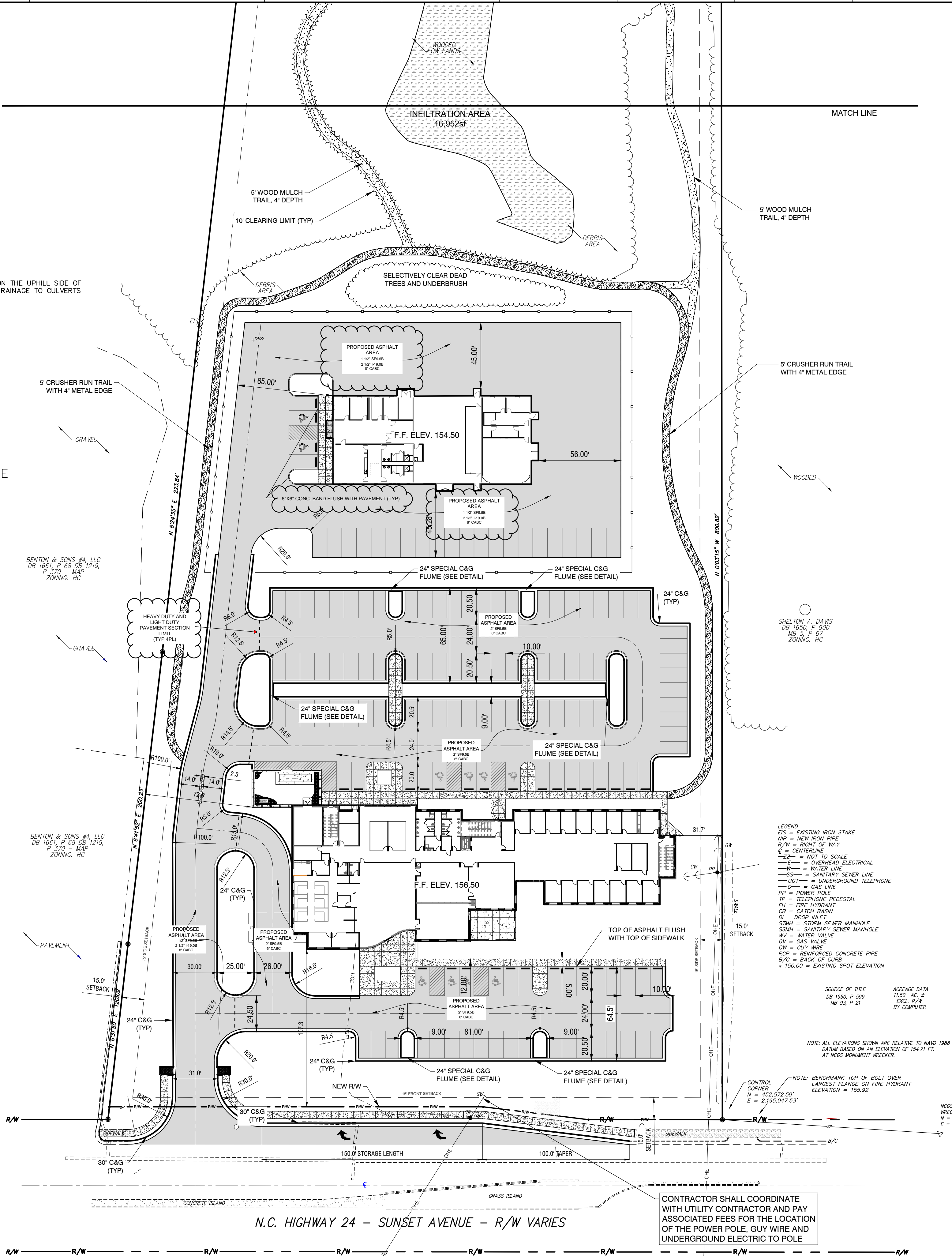
NOTE: TRAIL IS TO BE CONSTRUCTED OF 4" CRUSHER RUN TRAIL WITH 4" METAL EDGE. FINAL ALIGNMENT OF THE TRAILS SHALL BE DETERMINED BY THE ARCHITECT IN COORDINATION WITH THE CONTRACTOR PRIOR TO THE INSTALLATION OF THE TRAILS.

TYPICAL SECTION

STANDARD 5-FT CRUSHER RUN TRAIL WITH 4" METAL EDGE



TYPICAL SECTION-3/4/4.5- TOTAL OF 11.5 INCHES:  
 C1- PROPOSED APPROXIMATE 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.95B AT AVERAGE RATE OF 165LBS. PER SQ. YD  
 C2- PROPOSED APPROXIMATE 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S4.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.  
 V-TACK COAT  
 D1- PROPOSED APPROXIMATE 4" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 119.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.  
 E1- PROPOSED APPROXIMATE 4.5" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE B25.0C AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.



LEGEND  
 DS = EXISTING IRON STAKE  
 NP = NEW IRON PIPE  
 R/W = RIGHT OF WAY  
 C = CENTERLINE  
 --Z-- = NOT TO SCALE  
 --E-- = OVERHEAD ELECTRICAL  
 --W-- = WATER LINE  
 --SS-- = SANITARY SEWER LINE  
 --U-- = UNDERGROUND TELEPHONE  
 --G-- = GAS LINE  
 PP = POWER POLE  
 TP = TELEPHONE PEDESTAL  
 FH = FIRE HYDRANT  
 CB = CATCH BASIN  
 DI = DRAIN INLET  
 STMH = STORM SEWER MANHOLE  
 SSMH = SANITARY SEWER MANHOLE  
 WV = WATER VALVE  
 GV = GAS VALVE  
 GW = GUY WIRE  
 RCP = REINFORCED CONCRETE PIPE  
 B/C = BACK OF CURB  
 x 150.00 = EXISTING SPOT ELEVATION

SOURCE OF TITLE  
 DB 1950, P. 599  
 MB 51, P. 21

NOTE: ALL ELEVATIONS SHOWN ARE RELATIVE TO NAVD 1988 DATUM BASED ON AN ELEVATION OF 154.71 FT. AT NCCS MONUMENT WRECKER.

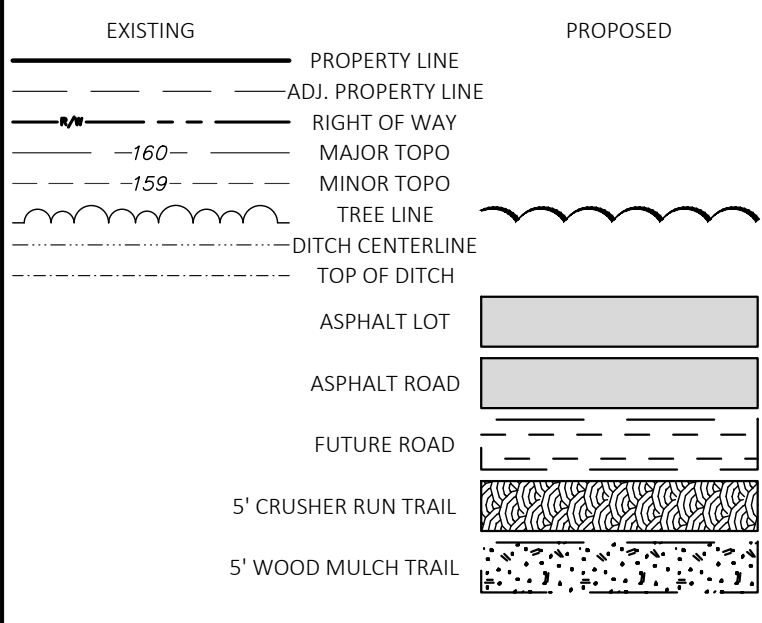
NOTE: BENCHMARK TOP OF BOLT OVER LARGEST FLANGE ON FIRE HYDRANT ELEVATION = 155.92

CONTRACTOR SHALL COORDINATE WITH UTILITY CONTRACTOR AND PAY ASSOCIATED FEES FOR THE LOCATION OF THE POWER POLE, GUY WIRE AND UNDERGROUND ELECTRIC TO POLE



GENERAL NOTES

- ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY RIVERS AND ASSOCIATES, INC. THE CURRENT REQUIREMENTS OF THE CITY/TOWN OF CLINTON, THE APPLICABLE SECTIONS OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, AND ALL OTHER PERTINENT FEDERAL, STATE AND LOCAL LAWS.
- THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICES GOVERNING SAFETY AND HEALTH INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-56), FEDERAL REGISTER, CHAPTER XVI, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.
- BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY N.C. ONE CALL AT 1-800-432-4269. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.
- CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT PRIOR TO INITIATION OF ANY EARTHWORK ACTIVITY.
- CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL PLAN - TO BE SUBMITTED TO AND APPROVED BY NCDOT AND THE CITY/TOWN OF CLINTON.
- CONTRACTOR SHALL NOTIFY PUBLIC WORKS STREET MAINTENANCE DIVISION 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR R/W.
- REFER TO ### FOR SURVEY CONTROL INFORMATION.
- CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- THIS SITE IS NOT LOCATED IN A ZONE "X" (AREA DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE 100 YEAR FLOODPLAIN) AS IDENTIFIED BY FEMA FLOOD INSURANCE RATE MAP 320248400K, EFFECTIVE JULY 23, 2022.
- NO BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS, MATERIALS AND SURFACES, INCLUDING BUT NOT LIMITED TO PRINCIPLE AND ACCESSORY STRUCTURES AND ADDITIONS AND APPURTENANCES (THEIR), SIGNAGE, FENCES, WALLS, MECHANICAL EQUIPMENT, CANOPIES, ANTENNAS, MASTS, BEERNS, SOLID WASTE COLLECTION CONTAINERS, MAIL RECEPTACLES, AND IMPERVIOUS SURFACES SHALL NOT ENCROUGH WITHIN ANY DEDICATED EASEMENT WITHOUT PRIOR APPROVAL OF CITY/TOWN OF CLINTON PUBLIC UTILITIES DEPARTMENT.
- SOIL EROSION AND SEDIMENTATION CONTROL PLAN APPROVAL BY NCRHEM - LAND QUALITY SECTION REQUIRED PRIOR TO INITIATION OF ANY LAND DISTURBING ACTIVITIES.
- WETLANDS ARE VALUABLE NATURAL RESOURCES THAT PROVIDE IMPORTANT ECOLOGICAL FUNCTIONS. BE ADVISED THAT ACTIVITIES IN WETLANDS ARE REGULATED BY THE FEDERAL GOVERNMENT UNDER SECTION 404 OF THE CLEAN WATER ACT. JURISDICTIONAL WETLANDS MAY INCLUDE THE PINE SHRUB HOCCINGS THAT ARE COMMON IN THIS REGION. IF ANY PRIVATE LAND OWNER, DEVELOPER, CORPORATION, OR OTHER PERSON PROPOSES TO UNDERTAKE CONSTRUCTION/FILING ACTIVITIES IN OR NEAR A LAKE, STREAM, CREEK TRIBUTARY OR ANY UNNAMED BODY OF WATER INCLUDING ITS ADJACENT WETLANDS, FEDERAL PERMIT AUTHORIZATION MAY BE REQUIRED FROM THE U.S. ARMY CORPS OF ENGINEERS PRIOR TO COMMENCEMENT OF SUCH LAND-DISTURBING ACTIVITIES. PLEASE CONTACT MS. TRACY WHEELER, TELEPHONE (252) 975-1616 FOR A WETLAND DETERMINATION AND INFORMATION REGARDING SPECIFIC PERMIT REQUIREMENTS, WETLANDS OR TERMINATION PENDING, BY OTHERS.
- APPROVAL OF SITE PLAN DOES NOT CONSTITUTE APPROVAL OF SIGNS. SEPARATE SIGN PERMITS ARE REQUIRED.
- ALL SLOPES SHALL BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.
- ALL AREAS NOT PAVED SHALL BE TOPSOILED, SEEDED, MULCHED OR LANDSCAPED/WOODED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.
- CONTRACTOR SHALL CONTACT THE FOLLOWING NCDOT OFFICE PRIOR TO BEGINNING WORK WITHIN RIGHT OF WAY (MIN. 5 DAYS NOTICE REQUIRED): SAMPSON COUNTY DISTRICT ENGINEER'S OFFICE (919)682-5100.
- ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH THE TOWN OF CLINTON ZONING ORDINANCE.
- REFUSE COLLECTION SHALL BE PROVIDED BY PRIVATE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING A CONSTRUCTION ACCESS ROAD A MINIMUM OF 15' WIDE FROM THE EXISTING PAVEMENT TO THE SITE ENTRANCE. INSTALL A MINIMUM DEPTH OF 6" C&G.



ARCHITECT ADDENDUM REVISION	9/12/23
NO REVISION	DATE

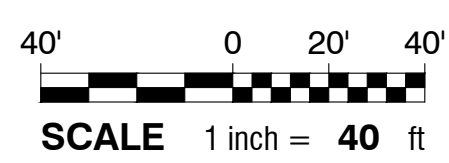


625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

STAR COMMUNICATIONS  
 NEW HEADQUARTERS  
 CITY OF CLINTON- SAMPSON COUNTY- NC

SITE PLAN-SOUTH

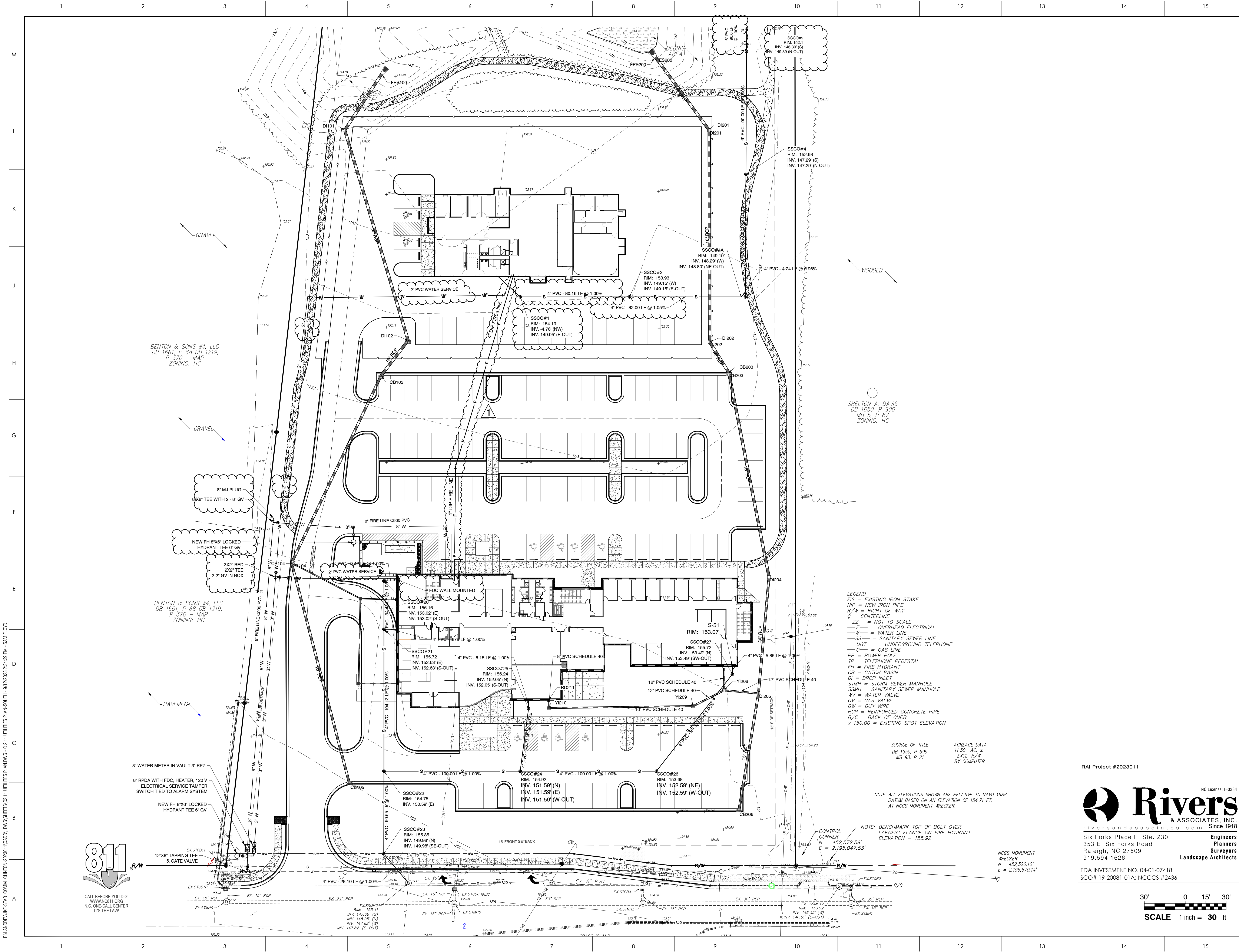
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AS SHOWN	
DRAWN	MS
CHECKED	JSJ
DATE	07-15-2023
PROJECT NO.	202311



EDA INVESTMENT NO. 04-01-07418  
 SCO# 19-20081-01A; NCCCS #2436

NC License: F-0334  
 Since 1918  
 Engineers  
 Planners  
 Surveyors  
 Landscape Architects





**GENERAL NOTES**

ARCHITECT ADDENDUM REVISION 9/12/23

NO REVISION DATE

RAI Project #2023011

NC License: F-0334

**Rivers** & ASSOCIATES, INC.  
 PLANNERS, ENGINEERS, SURVEYORS  
 LANDSCAPE ARCHITECTS

Six Forks Place III Ste. 230  
 353 E. Six Forks Road  
 Raleigh, NC 27609  
 919.594.1626

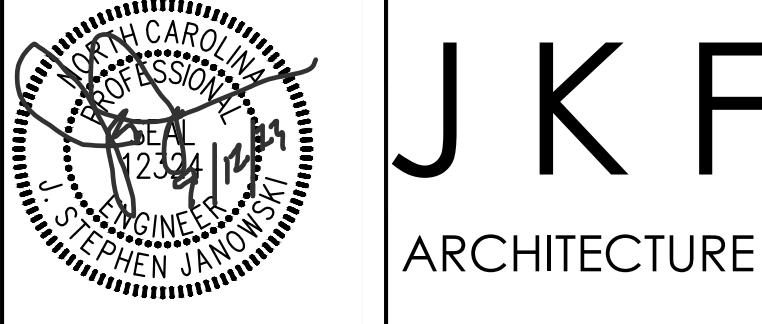
EDA INVESTMENT NO. 04-01-07418  
 SCO# 19-20081-01A; NCCCS #2436

SCALE 1 inch = 30 ft

DATE 07-15-2023

PROJECT NO. 202311

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STAR COMMUNICATIONS NEW HEADQUARTERS CITY OF CLINTON- SAMPSON COUNT- NC	
UTILITIES PLAN-SOUTH	
SCALE	AS SHOWN
DRAWN	MS
CHECKED	JSJ
DATE	07-15-2023
PROJECT NO.	202311



CALL BEFORE YOU DIG!  
 WWW.NC811.ORG  
 N.C. ONE-CALL CENTER  
 IT'S THE LAW!

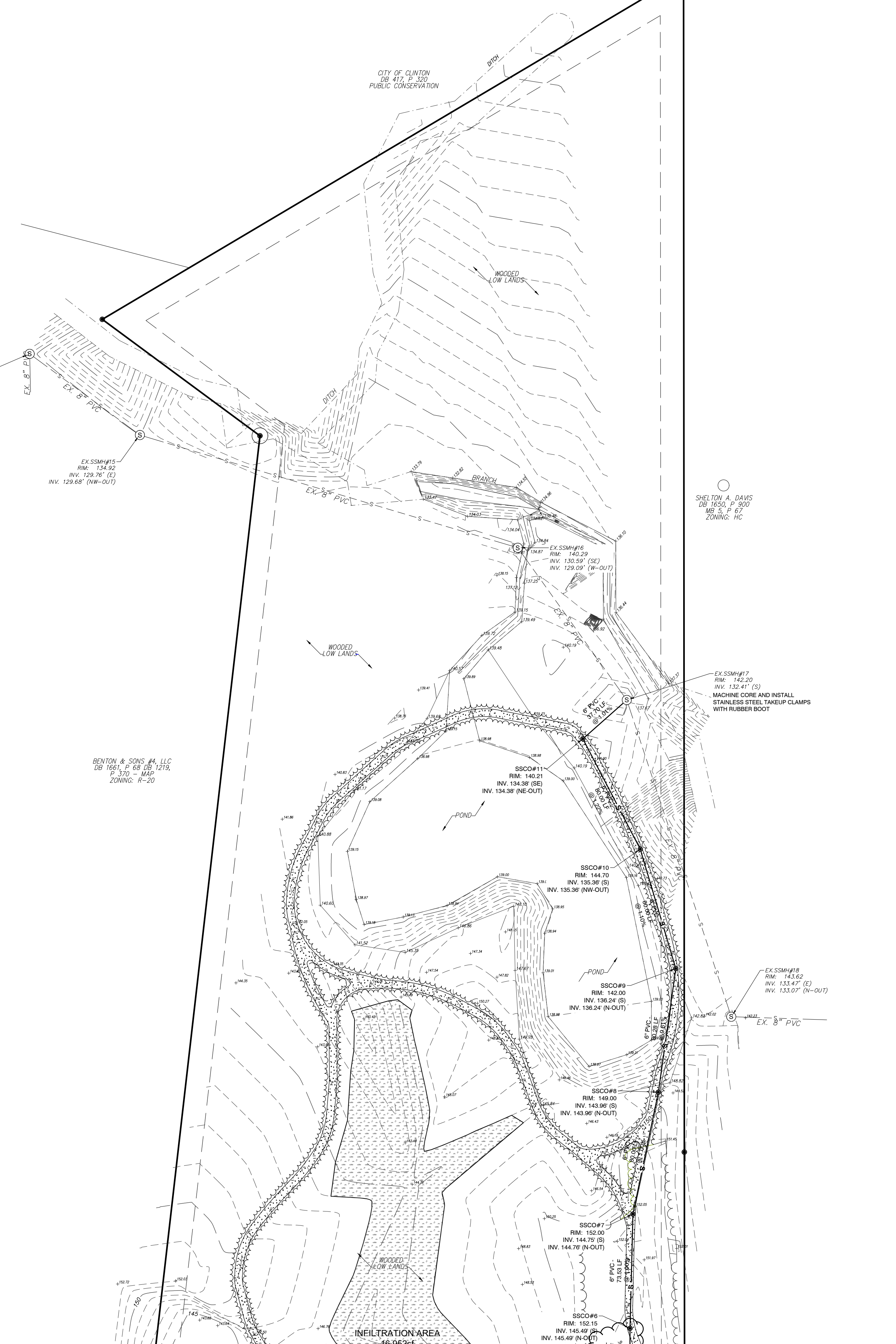
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PLAN AND ELEVATION DIMENSIONS: C2.12 UTILITIES PLAN-NORTH - 7/16/2023 12:43:36 PM - S.M.F./D.D.



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WWW.NC811.ORG  
N.C. ONE-CALL CENTER  
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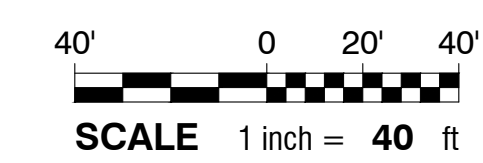


RAI Project #2023011

**Rivers**  
RIVERS AND ASSOCIATES, INC.  
Since 1918  
Six Forks Place III Ste. 230  
353 E. Six Forks Road  
Raleigh, NC 27609  
919.594.1626

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Engineers  
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Landscape Architects

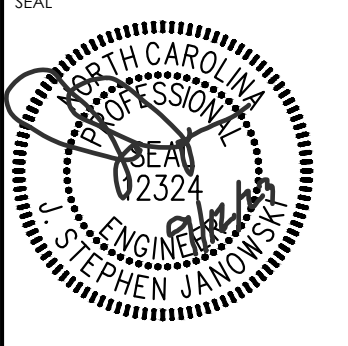
EDA INVESTMENT NO. 04-01-07418  
SCO# 19-20081-01A; NCCCS #2436



GENERAL NOTES

Blank area for general notes.

ARCHITECT ADDENDUM REVISION	9/12/23
NO REVISION	DATE



**JKF**  
ARCHITECTURE

625 LYNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1048

**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CITY OF CLINTON- SAMPSON COUNT- NC

**UTILITIES PLAN-NORTH**

SCALE	AS SHOWN	DRAWING NO.
DRAWN	MS	C2.12
CHECKED	JSJ	
DATE	07-15-2023	
PROJECT NO.	202311	

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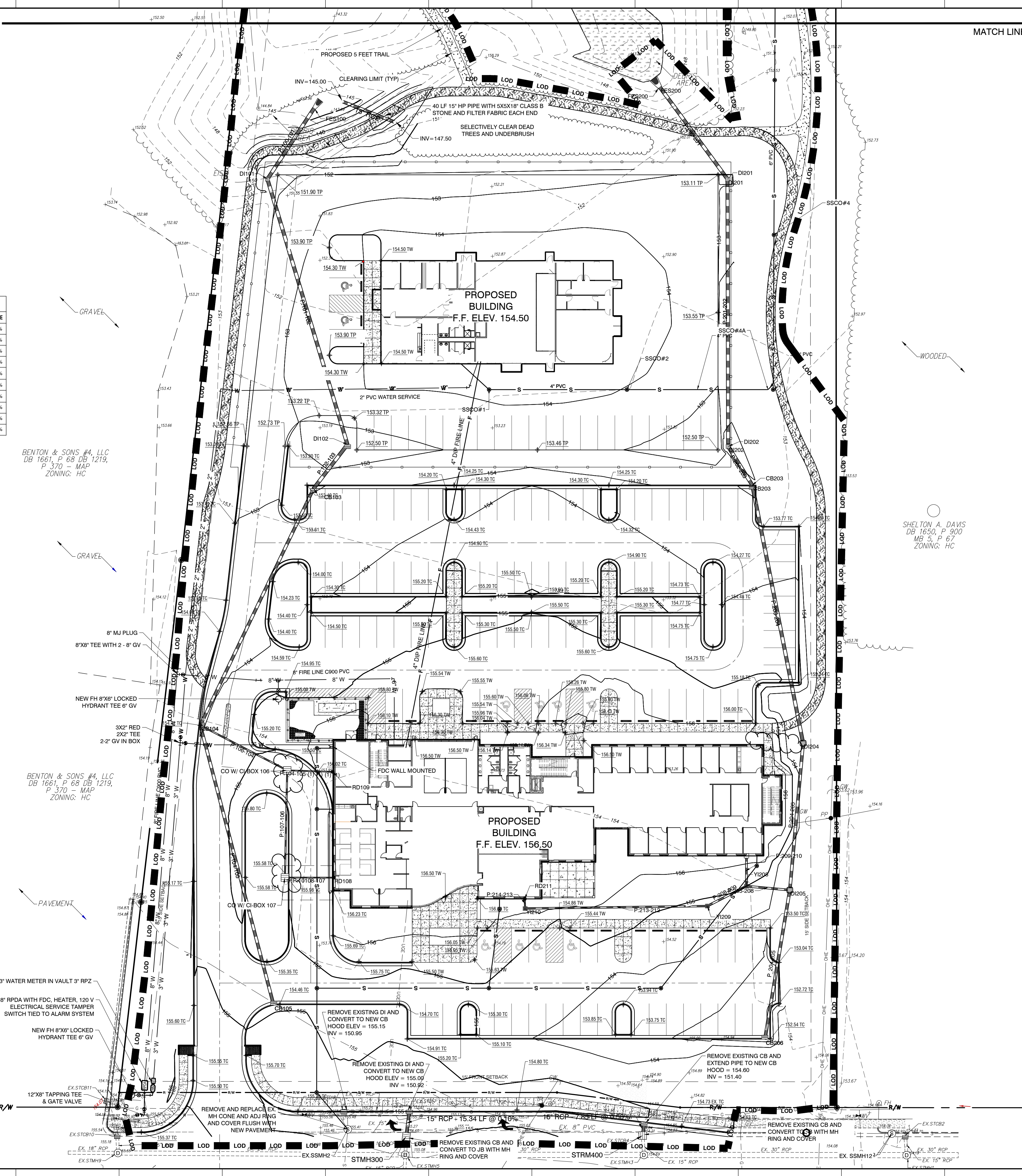


STRUCTURE TABLE	
NAME	DETAILS
CB103	RIM = 152.95' INV = 147.81' (SW) INV = 147.81' (NE-OUT)
CB104	RIM = 154.45' INV = 149.31' (S) INV = 149.31' (SE) INV = 149.31' (NE-OUT)
CB105	RIM = 154.54' INV = 150.32' (N-OUT)
CO W/ CI BOX 106	RIM = 155.28' INV = 149.60' (S) INV = 150.03' (E) INV = 149.69' (NW-OUT)
CO W/ CI BOX 107	RIM = 155.57' INV = 150.00' (E) INV = 150.03' (N-OUT)
D101	RIM = 151.60' INV = 144.80' (S) INV = 144.80' (NE-OUT)
D102	RIM = 152.30' INV = 147.29' (SW) INV = 147.29' (N-OUT)
FE3100	RIM = 145.79' INV = 144.00' (SW)
RD108	RIM = 156.50' INV = 150.18' (W-OUT)
RD109	RIM = 156.48' INV = 150.18' (W-OUT)
S-57	RIM = 150.79' INV = 149.27' (SW) INV = 149.27' (NE-OUT)

PIPE TABLE				
PIPE NAME	SIZE	MATERIAL	LENGTH	SLOPE
P-100-101	18"	RCP	49.30'	1.62%
P-101-102	18"	RCP	161.19'	1.54%
P-102-103	18"	RCP	32.35'	1.61%
P-103-104	15"	RCP	3.93'	0.98%
P-103-104 (1)	15"	RCP	148.64'	0.98%
P-104-105	15"	RCP	168.20'	0.80%
P-106-104	12"	PVC SCHEDULE 40	56.95'	0.60%
P-107-106	12"	PVC SCHEDULE 40	62.36'	0.60%
P-108-107	8"	PVC SCHEDULE 40	26.41'	0.60%
P-109-106	8"	PVC SCHEDULE 40	26.42'	0.60%

PIPE TABLE				
PIPE NAME	SIZE	MATERIAL	LENGTH	SLOPE
P-200-201	18"	RCP	66.38'	0.74%
P-201-202	18"	RCP	153.92'	0.75%
P-202-203	18"	RCP	26.57'	0.72%
P-203-204	18"	RCP	151.40'	0.60%
P-204-205	15"	RCP	84.24'	0.63%
P-205-208	12"	PVC SCHEDULE 40	25.39'	0.93%
P-208-209	12"	PVC SCHEDULE 40	25.42'	3.11%
P-209-210	12"	PVC SCHEDULE 40	17.65'	0.18%
P-213-212	10"	PVC SCHEDULE 40	105.97'	0.28%
P-214-213	8"	PVC SCHEDULE 40	5.62'	11.89%
P-204-205	15"	RCP	87.98'	0.60%

STRUCTURE TABLE	
NAME	DETAILS
CB203	RIM = 153.42' INV = 147.84' (S) INV = 147.84' (NW-OUT)
CB206	RIM = 152.55' INV = 149.81' (N-OUT)
D1201	RIM = 152.30' INV = 146.49' (S) INV = 146.49' (NW-OUT)
D1202	RIM = 152.30' INV = 147.69' (SE) INV = 147.69' (N-OUT)
D1204	RIM = 153.00' INV = 148.79' (S) INV = 148.79' (N-OUT)
D1205	RIM = 153.00' INV = 149.29' (S) INV = 149.29' (W) INV = 149.29' (N-OUT)
FE3200	RIM = 147.79' INV = 146.00' (SE)
RD211	RIM = 156.50' INV = 150.27' (S-OUT)
RD212	RIM = 156.50' INV = 150.53' (S-OUT)
Y1208	RIM = 154.97' INV = 149.52' (SW) INV = 150.50' (N) INV = 149.51' (E-OUT)
Y1209	RIM = 154.77' INV = 150.30' (W) INV = 150.31' (NE-OUT)
Y1210	RIM = 156.16' INV = 150.60' (N) INV = 150.60' (E-OUT)



**GENERAL NOTES**

EXISTING: PROPERTY LINE, ADJ. PROPERTY LINE, RIGHT OF WAY, MAJOR TOPO, MINOR TOPO, TREE LINE, DITCH CENTERLINE, TOP OF DITCH, REIN. CONC. PIPE, GRADE BREAK, SLOPE ARROW, SPOT ELEVATION, ASPHALT, FUTURE ROAD.

PROPOSED: ADJ. PROPERTY LINE, RIGHT OF WAY, MAJOR TOPO, MINOR TOPO, TREE LINE, DITCH CENTERLINE, TOP OF DITCH, REIN. CONC. PIPE, GRADE BREAK, SLOPE ARROW, SPOT ELEVATION, ASPHALT, FUTURE ROAD.

ARCHITECT ADDENDUM REVISION	9/12/23
NO REVISION	DATE

**J K F**  
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1048

**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CITY OF CLINTON- SAMPSON COUNT- NC

**GRADING AND STORM DRAINAGE PLAN-SOUTH**

SCALE	AS SHOWN	DRAWING NO.	C 3.11
DRAWN	MS	CHECKED	JSJ
DATE	07-15-2023	PROJECT NO.	202311

RAI Project #2023011

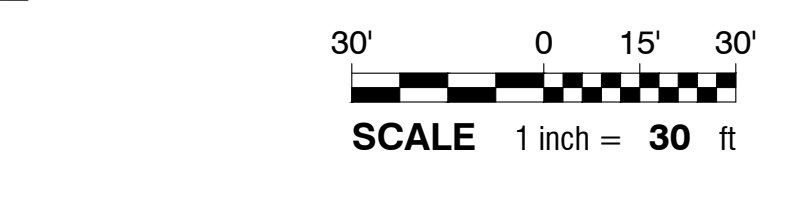
**Rivers** & ASSOCIATES, INC.  
riversandassociates.com

Six Forks Place III Ste. 230  
353 E. Six Forks Road  
Raleigh, NC 27609  
919.594.1626

Engineers  
Planners  
Surveyors  
Landscape Architects

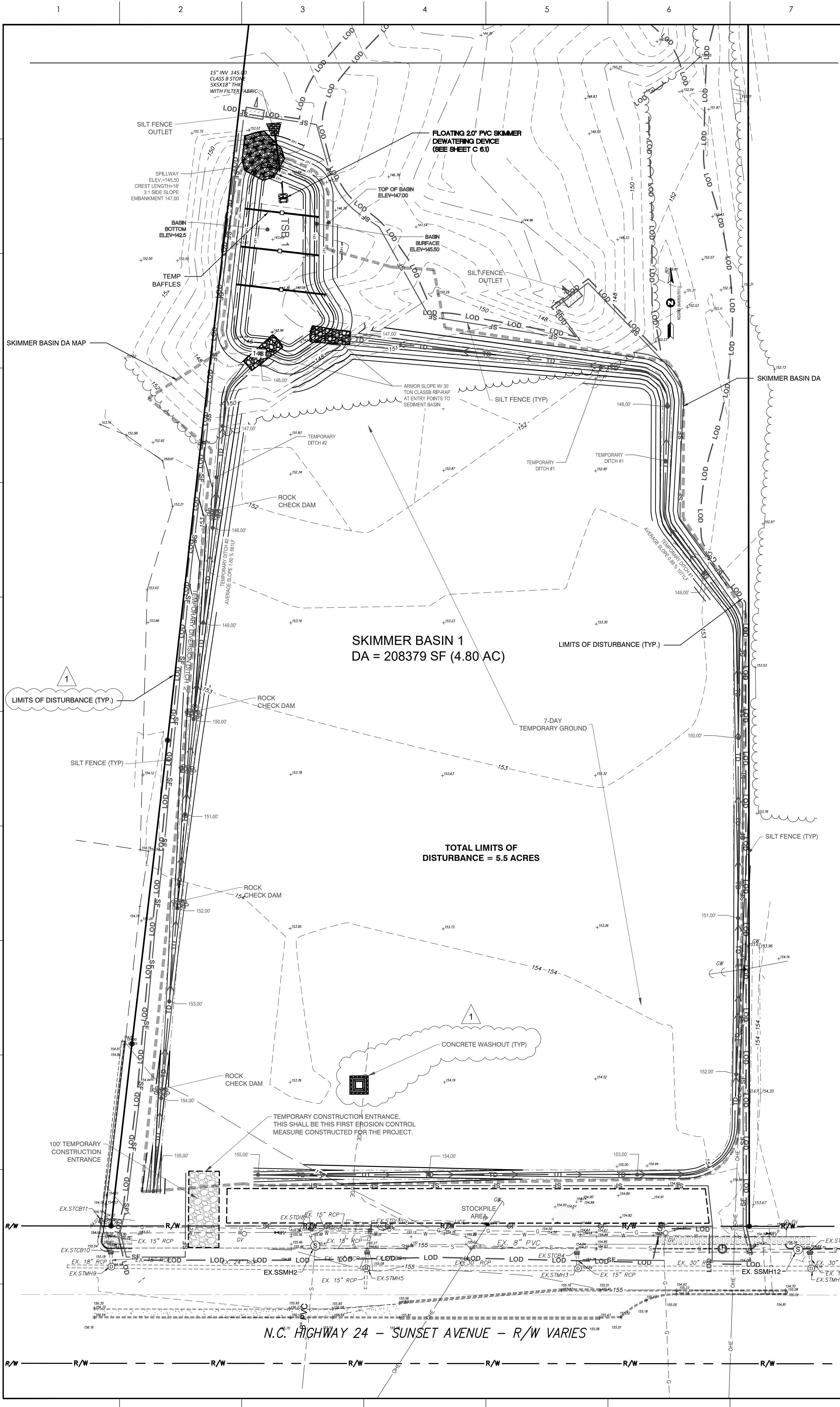
NC License: F-0334

EDA INVESTMENT NO. 04-01-07418  
SCO# 19-20081-01A; NCCCS #2436



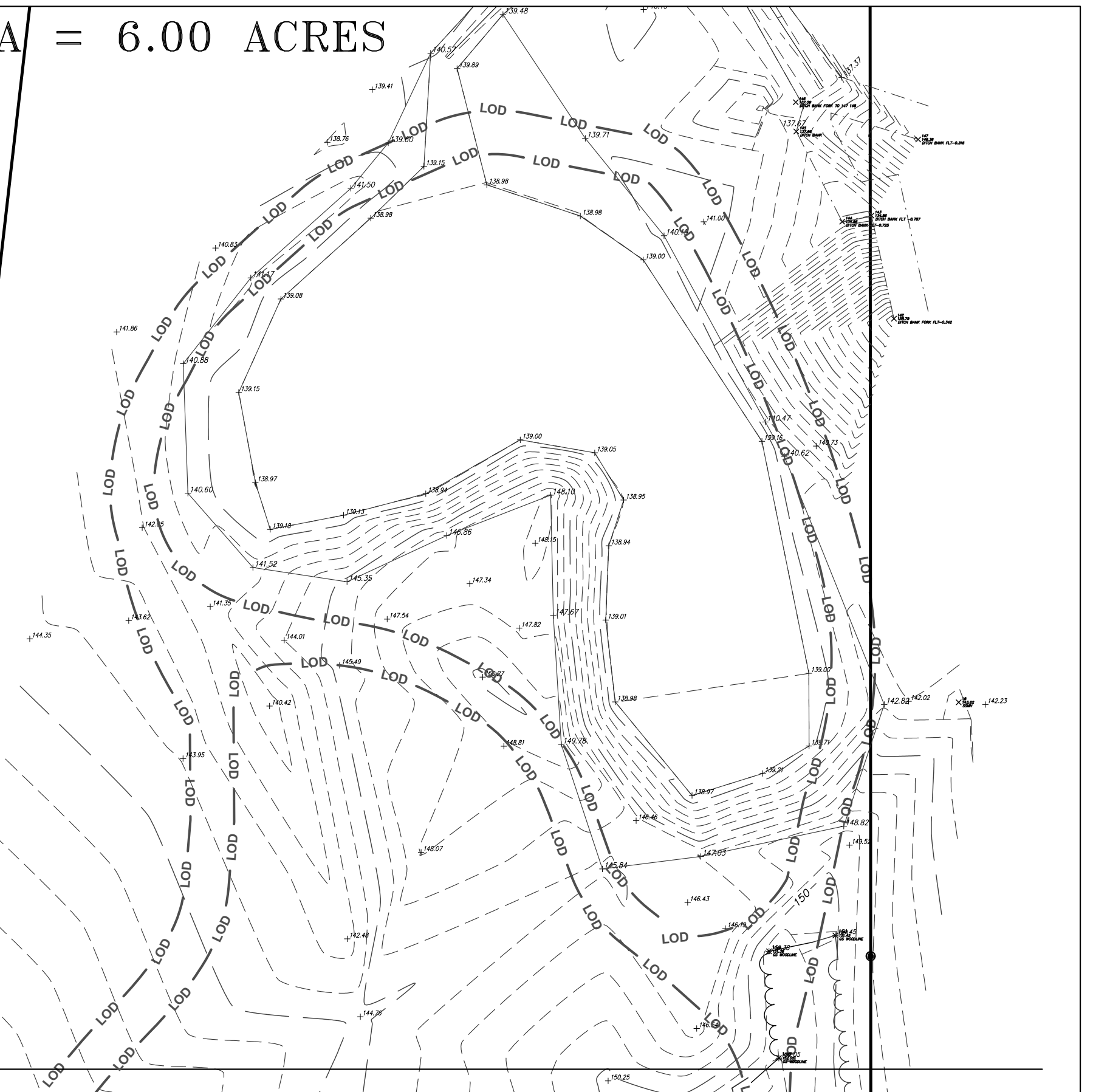
PLAN AND ELEVATION STATE: CLINTON-2023011-CADD-DWG-SHEETS-C3.11 GRADING AND STORM DRAINAGE PLAN SOUTH - 8/2/2023 10:02:47 AM - SAM FLOYD





**TOTAL DISTURBED AREA = 6.00 ACRES**

TEMPORARY DITCH TABLE	
DITCH NUMBER:	TD 1 TD 2
CHANNEL BASEWIDTH (FEET):	0.0 0.0
CHANNEL SIDESLOPES:	3:1 3:1
MIN. CHANNEL DEPTH (FEET):	1.5 1.5
CHANNEL LINER TYPE:	NAG DS75 NAG DS75
MIN. CHANNEL LINER WIDTH (FEET):	6.0 6.0



**SKIMMER BASIN**

- CONSTRUCTION SPECIFICATIONS:**
- 1) CLEAR, GRUB AND STRIP THE AREA UNDER THE EMBANKMENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. Haul all objectionable material to the designated disposal area. Place temporary sediment control measures below basin as needed.
  - 2) ENSURE THAT FILL MATERIAL FOR THE EMBANKMENT IS FREE OF ROOTS, WOODY VEGETATION, ORGANIC MATTER, AND OTHER OBJECTIONABLE MATERIAL. PLACE THE FILL IN LIFTS NOT TO EXCEED 9 INCHES, AND MACHINE COMPACT IT. OVER FILL THE EMBANKMENT 6 INCHES TO ALLOW FOR SETTLEMENT.
  - 3) SHAPE THE BASIN TO THE SPECIFIED DIMENSIONS. PREVENT THE SKIMMING DEVICE FROM SETTLING INTO THE MUD BY EXCAVATING A SHALLOW PIT UNDER THE SKIMMER OF PROVIDING A LOW SUPPORT UNDER THE SKIMMER OF STONE OR TIMBER.
  - 4) PLACE THE BARREL (TYPICALLY 4 INCH SCHEDULE 40 PIPE) ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR CRUSHED STONE AS BACKFILL AROUND THE PIPE SPILLWAY IN 4-INCH LAYERS AND COMPACT IT UNDER AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. CARE MUST BE TAKEN NOT TO RAISE THE PIPE FROM THE FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES.
- PLACE A MINIMUM DEPTH OF 2 FEET OF COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. IN NO CASE SHOULD THE PIPE CONDUIT BE INSTALLED BY CUTTING A TRENCH THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETE.
- 5) ASSEMBLE THE SKIMMER FOLLOWING THE MANUFACTURER'S INSTRUCTIONS, OR AS DESIGNED.
  - 6) LAY THE ASSEMBLED SKIMMER ON THE BOTTOM OF THE BASIN WITH THE FLEXIBLE JOINT AT THE INLET OF THE BARREL PIPE. ATTACH THE FLEXIBLE JOINT TO THE BARREL PIPE AND POSITION THE SKIMMER OVER THE EXCAVATED PIT OR SUPPORT. BE SURE TO ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN. THIS WILL BE USED TO PULL THE SKIMMER TO THE SIDE FOR MAINTENANCE.
  - 7) EARTHEN SPILLWAYS - INSTALL THE SPILLWAY IN UNDISTURBED SOIL TO THE GREATEST EXTENT POSSIBLE. THE ACHIEVEMENT OF PLANNED ELEVATIONS, GRADE, DESIGN WIDTH, AND ENTRANCE AND EXIT CHANNEL SLOPES ARE CRITICAL TO THE SUCCESSFUL OPERATION OF THE SPILLWAY. THE SPILLWAY SHOULD BE LINED WITH LAMINATED PLASTIC OR IMPERMEABLE GEOTEXTILE FABRIC. THE FABRIC MUST BE WIDE AND LONG ENOUGH TO COVER THE BOTTOM AND SIDES AND EXTEND ONTO THE TOP OF THE DAM FOR ANCHORING IN A TRENCH. THE EDGES MAY BE SECURED WITH 8-INCH STAPLES OR PINS. THE FABRIC MUST BE LONG ENOUGH TO EXTEND DOWN THE SLOPE AND EXIT ONTO STABLE GROUND. THE WIDTH OF THE FABRIC MUST BE ONE PIECE, NOT JOINED OR SPICED; OTHERWISE WATER CAN GET UNDER THE FABRIC. IF THE LENGTH OF THE FABRIC IS INSUFFICIENT FOR THE ENTIRE LENGTH OF THE SPILLWAY, MULTIPLE SECTIONS, SPANNING THE COMPLETE WIDTH, MAY BE USED. THE UPPER SECTION(S) SHOULD OVERLAP THE LOWER SECTION(S) SO THAT WATER CANNOT FLOW UNDER THE FABRIC. SECURE THE UPPER EDGE AND SIDES OF THE FABRIC IN A TRENCH WITH STAPLES OR PINS.
  - 8) INLETS - DISCHARGE WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEDIMENT-LADEN WATER TO THE UPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY.
  - 9) EROSION CONTROL - CONSTRUCT THE STRUCTURE SO THAT THE DISTURBED AREA IS MINIMIZED. DIVERT SURFACE WATER AWAY FROM BARE AREAS. COMPLETE THE EMBANKMENT BEFORE THE AREA IS CLEARED. STABILIZE THE EMERGENCY SPILLWAY EMBANKMENT AND ALL OTHER DISTURBED AREAS ABOVE THE CREST OF THE PRINCIPAL SPILLWAY IMMEDIATELY AFTER CONSTRUCTION.
  - 10) INSTALL POROUS BAFFLES.
  - 11) AFTER ALL THE SEDIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY.

**MAINTENANCE:**

- INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OF THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.
- REPAIR THE BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM.
- IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLodge THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS.
- IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
- CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.
- FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

**TEMPORARY DITCH MAINTENANCE REQUIREMENTS:**

INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED. WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.

**SILT FENCE MAINTENANCE REQUIREMENTS:**

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

**CONCRETE WASHOUT MAINTENANCE REQUIREMENTS:**

MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:**

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

**SILT FENCE OUTLET MAINTENANCE REQUIREMENTS:**

PER NCG-01, INSPECT OUTLET AT LEAST ONCE A WEEK AND AFTER EACH 1 INCH OR GREATER RAINFALL EVENT. COMPLETE ANY REQUIRED REPAIRS IMMEDIATELY. FRESHEN STONE WHEN SEDIMENT ACCUMULATION EXCEEDS 6 INCHES. KEEP MESH FREE OF DEBRIS TO PROVIDE ADEQUATE FLOW. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED. REPLACE STONE AS NEEDED TO FACILITATE DE-WATERING.

**INLET PROTECTION MAINTENANCE REQUIREMENTS:**

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH 1 INCH OR GREATER RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

**CONSTRUCTION SCHEDULE**

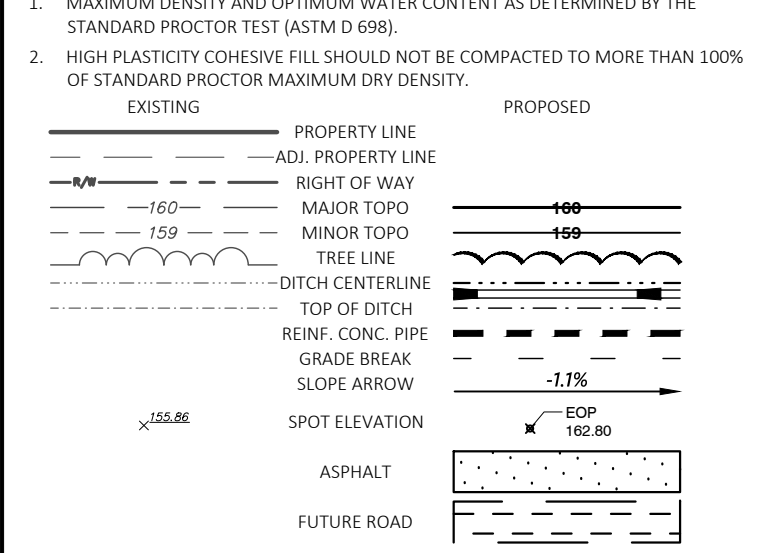
1. OBTAIN PLAN APPROVALS AND ALL APPLICABLE PERMITS.
2. FLAG LIMITS OF ROUGH GRADING AND ESTABLISH GRADE LIMITS AS NEEDED.
3. CONTACT LAND QUALITY SECTION AT 910-433-3300 AND THEN HOLD PRECONSTRUCTION MEETING WITH GRADING CONTRACTOR, EROSION CONTROL ADMINISTRATOR, PROJECT ENGINEER AND OWNER BEFORE WORK BEGINS
4. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
5. INSTALL THE PERIMETER SEDIMENT FENCES AS THE FIRST CONSTRUCTION ACTIVITY CLEAR ENOUGH TO INSTALL SILT FENCE AND DIVERSION SWALES.
6. INSTALL DIVERSION SWALES AND TEMPORARY SEDIMENT BASIN.
7. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR FLATTER INCLUDING ALL OTHER SLOPES 4:1 OR FLATTER. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR STEEPER INCLUDING ALL PERMANENT DIKES, SWALES, DITCHES AND SLOPES AND DISTURBANCES WITHIN HIGH QUALITY WATER (HQWQ) ZONES.
8. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY THE STATE OR OWNER IF DEEMED NECESSARY.
9. AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES, FINE GRADE DISTURBED AREAS, AND INSTALL PERMANENT VEGETATION ON DISTURBED AREAS.
10. MAINTAIN PERMANENT VEGETATION BY TOP DRESSING WITH 700 LBS PER ACRE OF FERTILIZER EVERY 6 MONTHS UNTIL THE COMPLETION OF THE PROJECT.
11. WITHIN 6" OF FINAL GRADE, RE-DISTRIBUTE 6" OF TOP SOIL
12. FINE GRADE, PERMANENTLY SEED AND MULCH ALL DISTURBED AREAS
13. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UPON COMPLETION AND STABILIZATION OF PROJECT.

**GENERAL NOTES**

**FILL COMPACTION REQUIREMENTS**

USE	STRUCTURAL FILL	GENERAL FILL
MINIMUM LIFT THICKNESS	8 INCHES OR LESS IN LOOSE THICKNESS WHEN HEAVY OR MECHANICAL COMPACTION EQUIPMENT IS USED. 4 INCHES IN LOOSE THICKNESS WHEN HAND-POWERED EQUIPMENT IS USED (BACK OF PILE OR PLATE COMPACTION IS USED).	SAME AS STRUCTURAL FILL
MINIMUM COMPACTION REQUIREMENTS (%)	95% OF MDD	90% OF MDD
WATER CONTENT RANGE (%)	±2% TO ±3% OF OPTIMUM	AS REQUIRED TO ACHIEVE MIN. COMPACTION REQUIREMENTS

1. MAXIMUM DENSITY AND OPTIMUM WATER CONTENT AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D 698)
2. HIGH PLASTICITY COHESIVE FILL SHOULD NOT BE COMPACTED TO MORE THAN 100% OF STANDARD PROCTOR MAXIMUM DRY DENSITY.



2	ARCHITECT ADDENDUM REVISION	9/12/23
1	NCDEQ EROSION CONTROL	08-17-23
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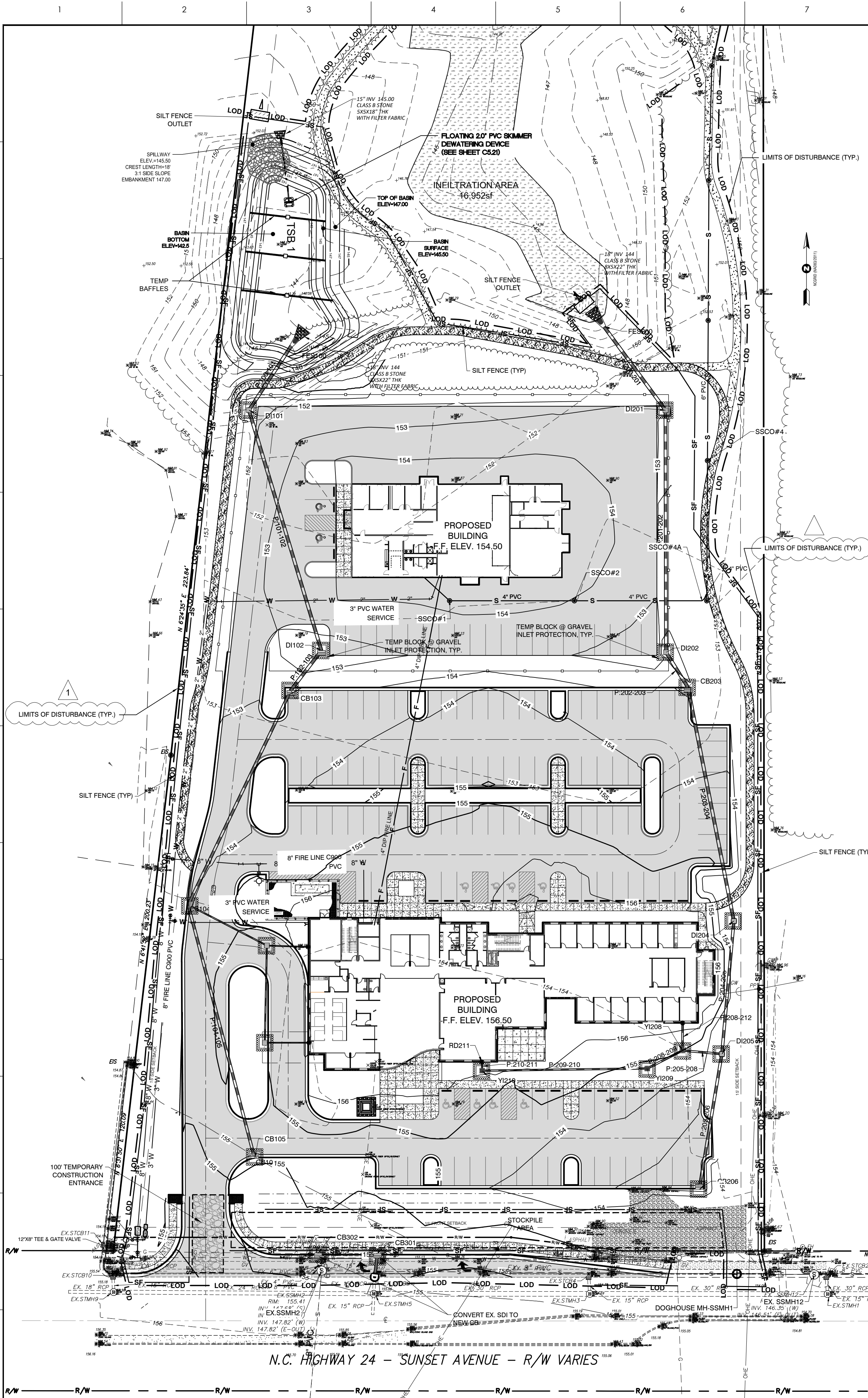
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**EROSION CONTROL**  
**PLAN-PH1**

SCALE AS SHOWN DRAWING NO. **C 4.11**

DESIGNED BY MS  
DRAWN BY JSJ  
CHECKED BY  
DATE 07-15-2023  
PROJECT NO. 202311

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**TEMPORARY GROUND COVER SPECIFICATIONS AND MAINTENANCE REQUIREMENTS**

1. COMPLETE GRADING BEFORE PREPARING SEEDBEDS, AND INSTALL ALL NECESSARY EROSION CONTROL PRACTICES SUCH AS, DIKES, WATERWAYS, AND BASINS. MINIMIZE STEEP SLOPES BECAUSE THEY MAKE SEEDBED PREPARATION DIFFICULT AND INCREASE THE EROSION HAZARD. IF SOILS BECOME COMPACTED DURING GRADING, LOOSEN THEM TO A DEPTH OF 6-8 INCHES USING A RIPPER, HARROW, OR CHISEL PLOW. SEEDBED PREPARATION
2. GOOD SEEDBED PREPARATION IS ESSENTIAL TO SUCCESSFUL PLANT ESTABLISHMENT. A GOOD SEEDBED IS WELL-PULVERIZED, LOOSE, AND UNIFORM. WHERE HYDROSEEDING METHODS ARE USED, THE SURFACE MAY BE LEFT WITH A MORE IRREGULAR SURFACE OF LARGE CLODS AND STONES.
3. LIMING - APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF THE PH(ACIDITY) OF THE SOIL IS NOT KNOWN, AN APPLICATION OF GROUND AGRICULTURAL LIMESTONE AT THE RATE OF 1 TO 1 1/2 TONS/ACRE ON COARSE-TEXTURED SOILS AND 2-3 TONS/ACRE ON FINE- TEXTURED SOILS IS USUALLY SUFFICIENT. APPLY LIMESTONE UNIFORMLY AND INCORPORATE INTO THE TOP 4-6 INCHES OF SOIL. SOILS WITH A PH OF 6 OR HIGHER NEED NOT BE LIMED.
4. FERTILIZER - BASE APPLICATION RATES ON SOIL TESTS. WHEN THESE ARE NOT POSSIBLE, APPLY A 10-10-10 GRADE FERTILIZER AT 700-1,000 LB/ACRE. BOTH FERTILIZER AND LIME SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF SOIL. IF A HYDRAULIC SEEDER IS USED, DO NOT MIX SEED AND FERTILIZER MORE THAN 30 MINUTES BEFORE APPLICATION.
5. SURFACE ROUGHENING - IF RECENT TILLAGE OPERATIONS HAVE RESULTED IN A LOOSE SURFACE, ADDITIONAL ROUGHENING MAY NOT BE REQUIRED, EXCEPT TO BREAK UP LARGE CLODS. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. GROOVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING (PRACTICE 6.03, SURFACE ROUGHENING).

**PLANT SELECTION**

6. SELECT AN APPROPRIATE SPECIES OR SPECIES MIXTURE FROM TABLE 6.10A FOR SEEDING IN LATE WINTER AND EARLY SPRING, TABLE 6.10B FOR SUMMER, AND TABLE 6.10C FOR FALL.
7. IN THE MOUNTAINS, DECEMBER AND JANUARY SEEDINGS HAVE POOR CHANCES OF SUCCESS. WHEN IT IS NECESSARY TO PLANT AT THESE TIMES, USE RECOMMENDATIONS FOR FALL AND A SECURELY TACKED MULCH.

**SEEDING**

8. EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. USE SEEDING RATES GIVEN IN TABLES 6.10A-6.10C. BROADCAST SEEDING AND HYDROSEEDING ARE APPROPRIATE FOR STEEP SLOPES WHERE EQUIPMENT CANNOT BE DRIVEN. HAND BROADCASTING IS NOT RECOMMENDED BECAUSE OF THE DIFFICULTY IN ACHIEVING A UNIFORM DISTRIBUTION.
9. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1 INCH DEEP, AND GRASSES AND LEGUMES NO MORE THAN 1/2 INCH. BROADCAST SEED MUST BE COVERED BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER. HYDROSEED MIXTURES SHOULD INCLUDE A WOOD FIBER (CELLULOSE) MULCH.

**MULCHING**

10. THE USE OF AN APPROPRIATE MULCH WILL HELP ENSURE ESTABLISHMENT UNDER NORMAL CONDITIONS, AND IS ESSENTIAL TO SEEDING SUCCESS UNDER HARSH SITE CONDITIONS (PRACTICE 6.14, MULCHING ). HARSH SITE CONDITIONS INCLUDE:

SEEDING IN FALL FOR WINTER COVER (WOOD FIBER MULCHES ARE NOT CONSIDERED ADEQUATE FOR THIS USE), SLOPES STEEPER THAN 3:1, EXCESSIVELY HOT OR DRY WEATHER, ADVERSE SOILS (SHALLOW, ROCKY, OR HIGH IN CLAY OR SAND), AND AREAS RECEIVING CONCENTRATED FLOW. IF THE AREA TO BE MULCHED IS SUBJECT TO CONCENTRATED WATERFLOW, AS IN CHANNELS, ANCHOR MULCH WITH NETTING (PRACTICE 6.14, MULCHING).

**MAINTENANCE**  
RESSEED AND MULCH AREAS WHERE SEEDLING EMERGENCE IS POOR, OR WHERE EROSION OCCURS, AS SOON AS POSSIBLE. DO NOT MOW. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE.

**TOTAL DISTURBED AREA = 6.00 ACRES**

**CONSTRUCTION SCHEDULE - PHASE 2**

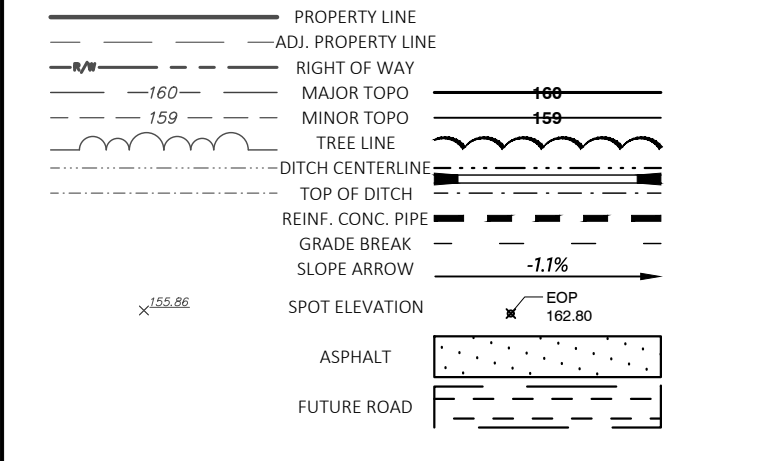
1. INSTALL STORM DRAINAGE PIPING AND END OF DAY MEASURES.
2. INSTALL CONCRETE WASHOUT AREA PRIOR TO CONSTRUCTION OF STORM DRAINAGE STRUCTURES.
3. INSTALL INLET PROTECTION AROUND CATCH BASINS AND DROP INLETS AND INSTALL RIP RAP PROTECTION AND ENERGY DISSIPATORS.
4. FINAL GRADE THE BUILDING PAD INSTALL GRAVEL AND CURB AND GUTTER IN PREPARATION FOR LAYDOWN AREA.
5. FINE GRADE AND PAVE SIDEWALK.
6. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR FLATTER INCLUDING ALL OTHER SLOPES 4:1 OR FLATTER. PROVIDE A GROUND COVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING FOR SLOPES 3:1 OR STEEPER INCLUDING ALL PERMANENT DIKES, SWALES, DITCHES AND SLOPES AND DISTURBANCES WITHIN HIGH QUALITY WATER (HQW) ZONES.
7. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY THE STATE OR OWNER IF DEEMED NECESSARY.
8. MAINTAIN PERMANENT VEGETATION BY TOP DRESSING WITH 700 LBS PER ACRE OF FERTILIZER EVERY 6 MONTHS UNTIL THE COMPLETION OF THE PROJECT.
9. WITHIN 6" OF FINAL GRADE, RE-DISTRIBUTE 6" OF TOP SOIL.
10. FINE GRADE, PERMANENTLY SEED AND MULCH ALL LANDSCAPED AREAS.
11. REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UPON COMPLETION AND STABILIZATION OF PROJECT, AND FINAL CONSTRUCTION AND STABILIZATION OF CONSTRUCTED WETLAND.

**GENERAL NOTES**

EROSION CONTROL LEGEND		
DESCRIPTION	SYMBOL	DETAIL
SILT FENCE	— SF —	
SILT FENCE OUTLET		
INLET PROTECTION		
PIPE INLET PROTECTION		
GRAVEL CONSTRUCTION ENTRANCE		
TEMPORARY CHECK DAM		
LIMITS OF DISTURBANCE	— LOD —	

FILL COMPACTION REQUIREMENTS		
USE	STRUCTURAL FILL	GENERAL FILL
MINIMUM LIFT THICKNESS	6 INCHES OR LESS IN LOOSE THICKNESS WHEN HEAVY DUTY PACKED COMPACTION EQUIPMENT IS USED. 4.5 INCHES IN LOOSE THICKNESS WHEN ROAD-BUILDING EQUIPMENT IS JOURNAL JACK OR PLATE COMPACTOR IS USED.	6 INCHES STRUCTURAL FILL
MINIMUM COMPACTION REQUIREMENTS (%)	95% OF MDD	90% OF MDD
WATER CONTENT RANGE (%)	± 1% TO ± 3% OF OPTIMUM	AS REQUIRED TO ACHIEVE MDD COMPACTION REQUIREMENTS

1. MAXIMUM DENSITY AND OPTIMUM WATER CONTENT AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D 698).
2. HIGH PLASTICITY COHESIVE FILL SHOULD NOT BE COMPACTED TO MORE THAN 100% OF STANDARD PROCTOR MAXIMUM DRY DENSITY.



2	ARCHITECT ADDENDUM REVISION	9/12/23
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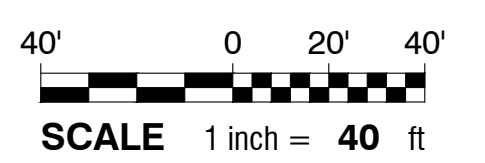
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**EROSION CONTROL**  
PLAN-PH2

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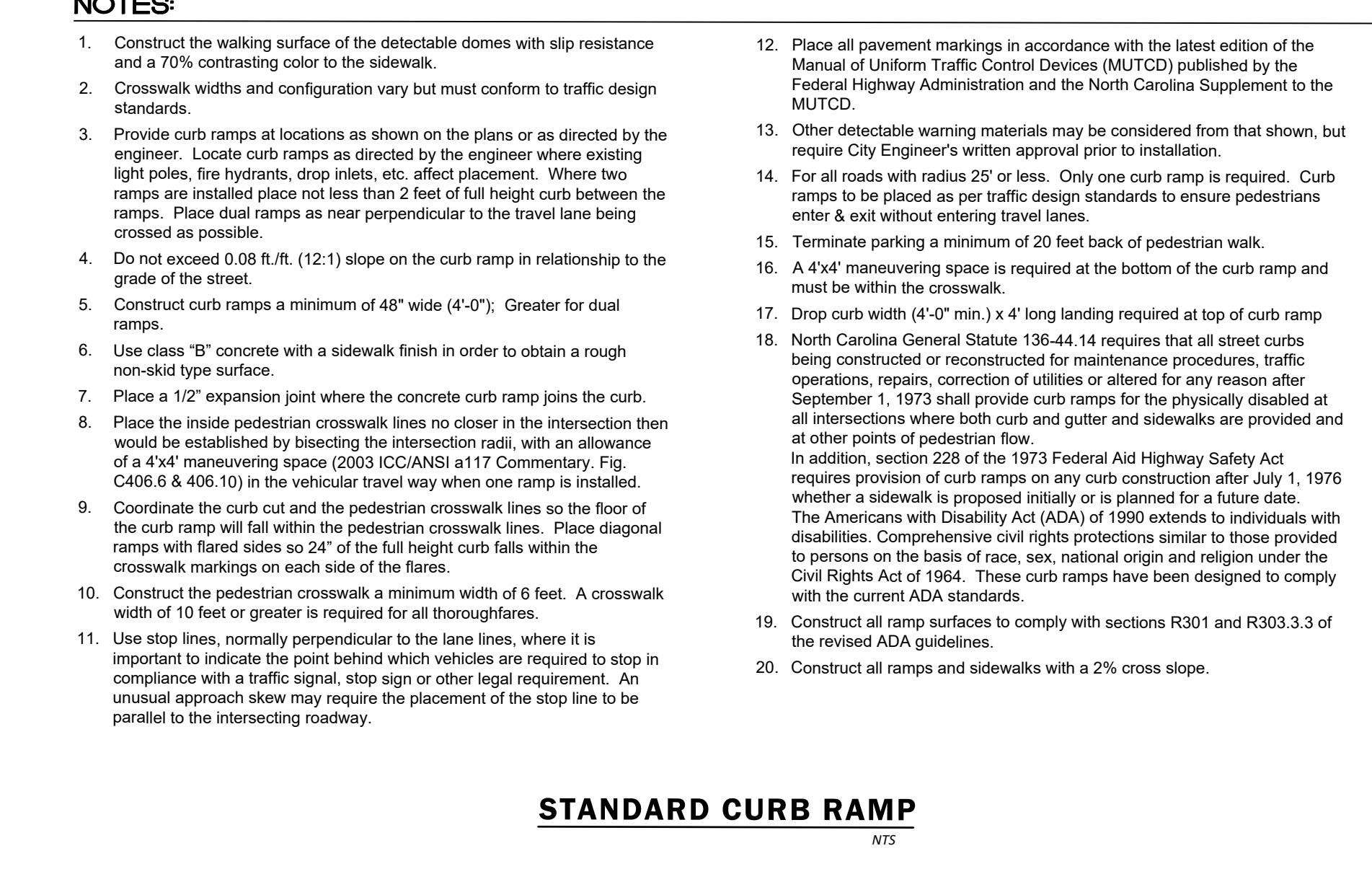
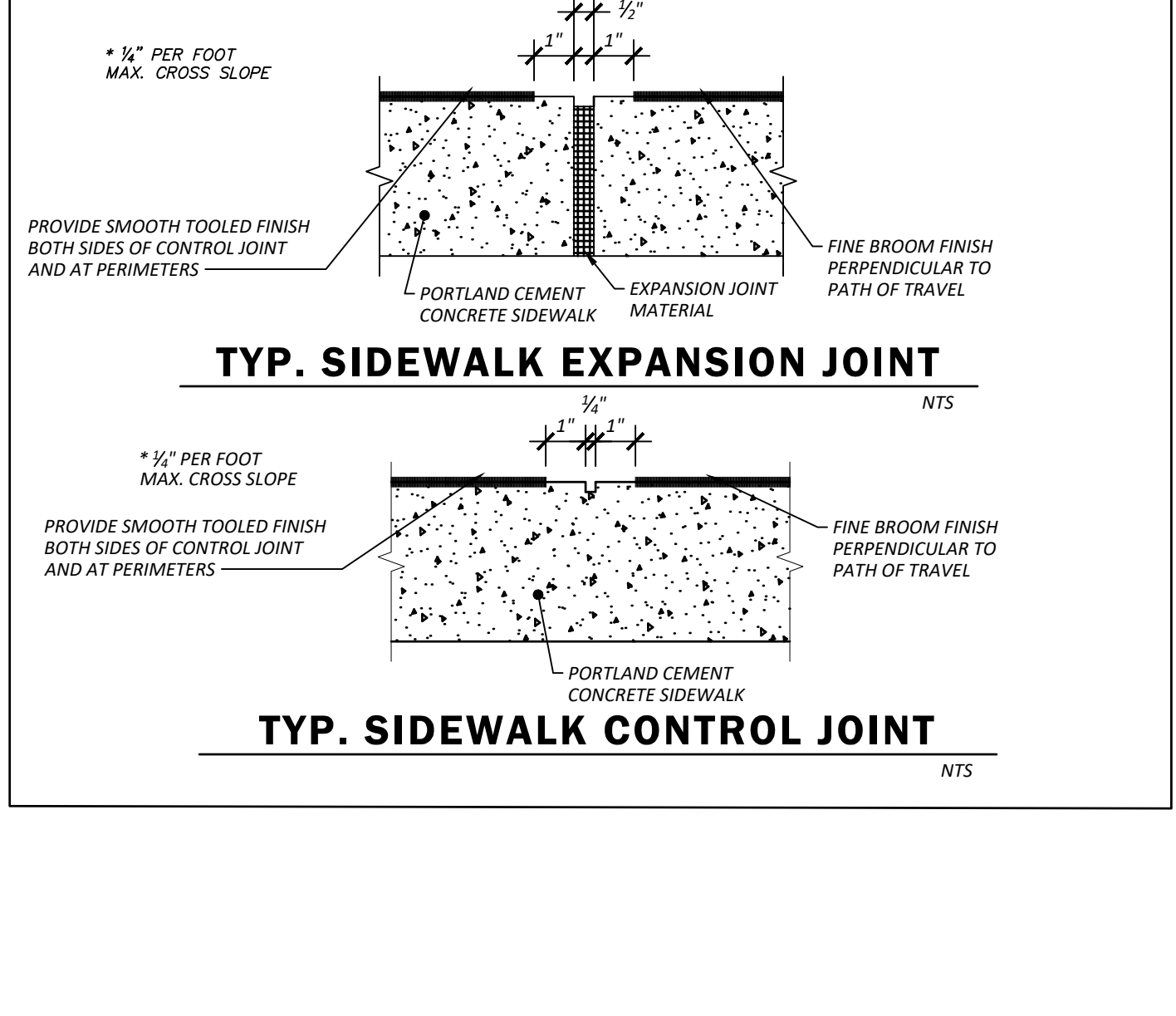
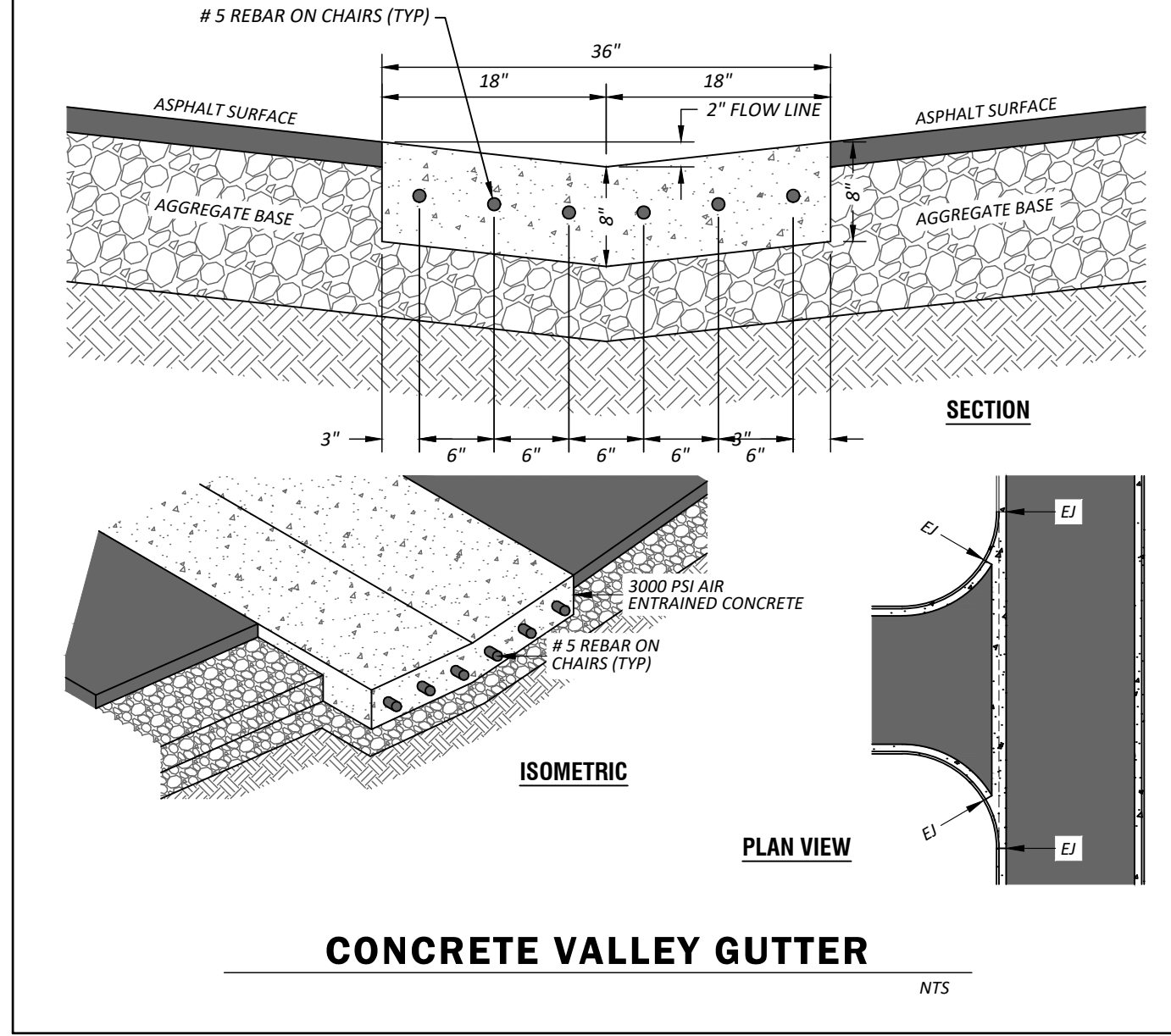
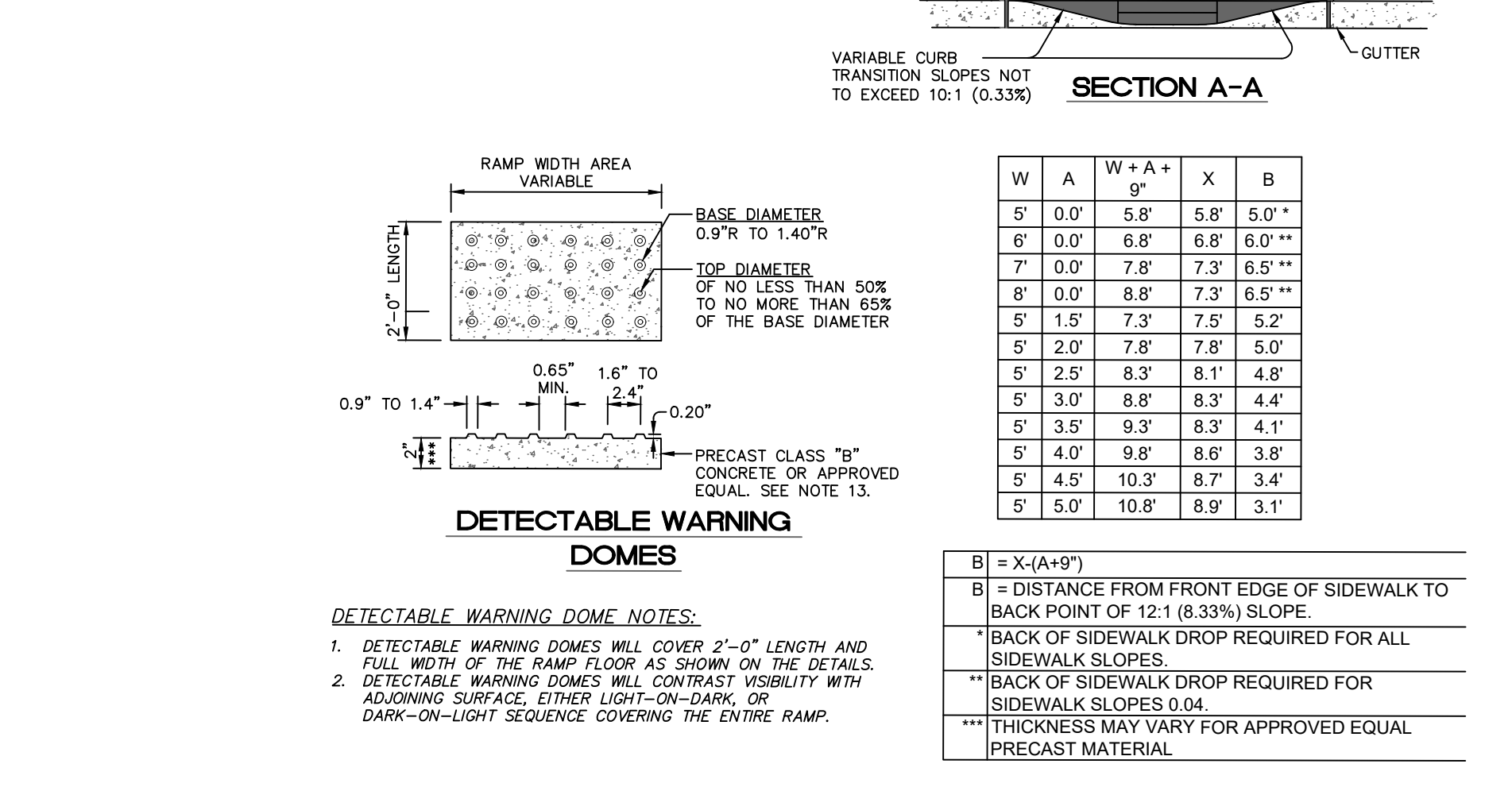
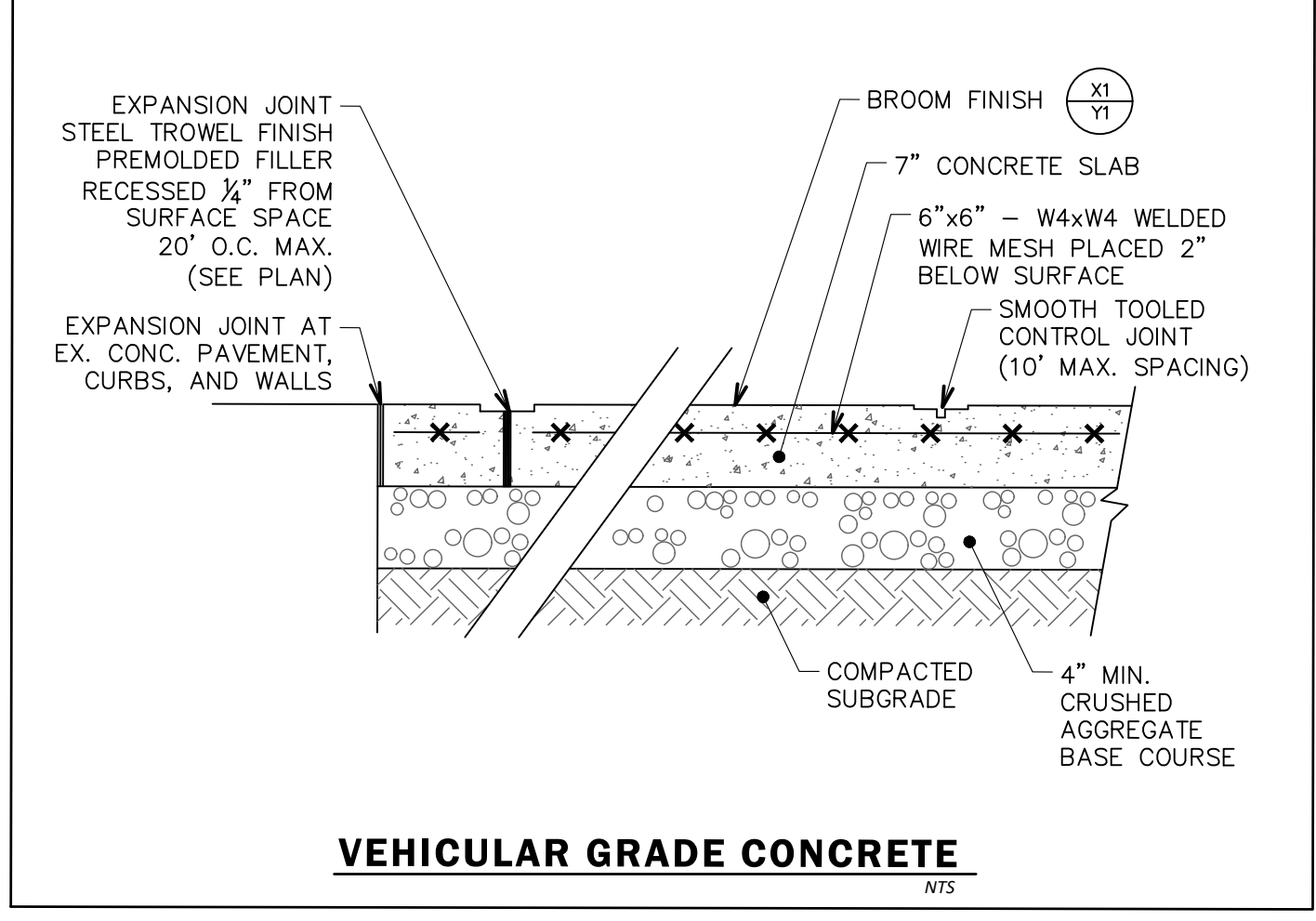
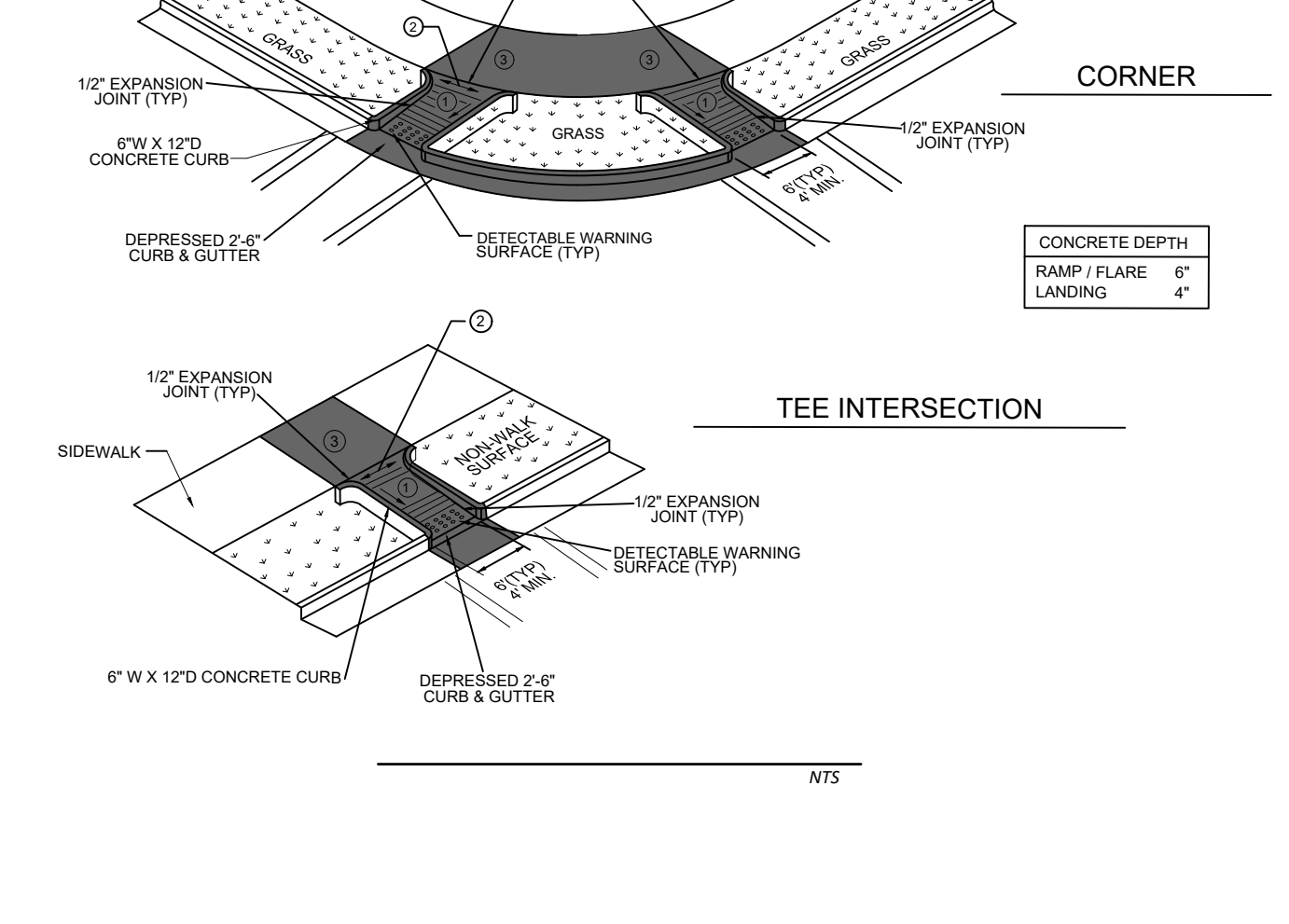
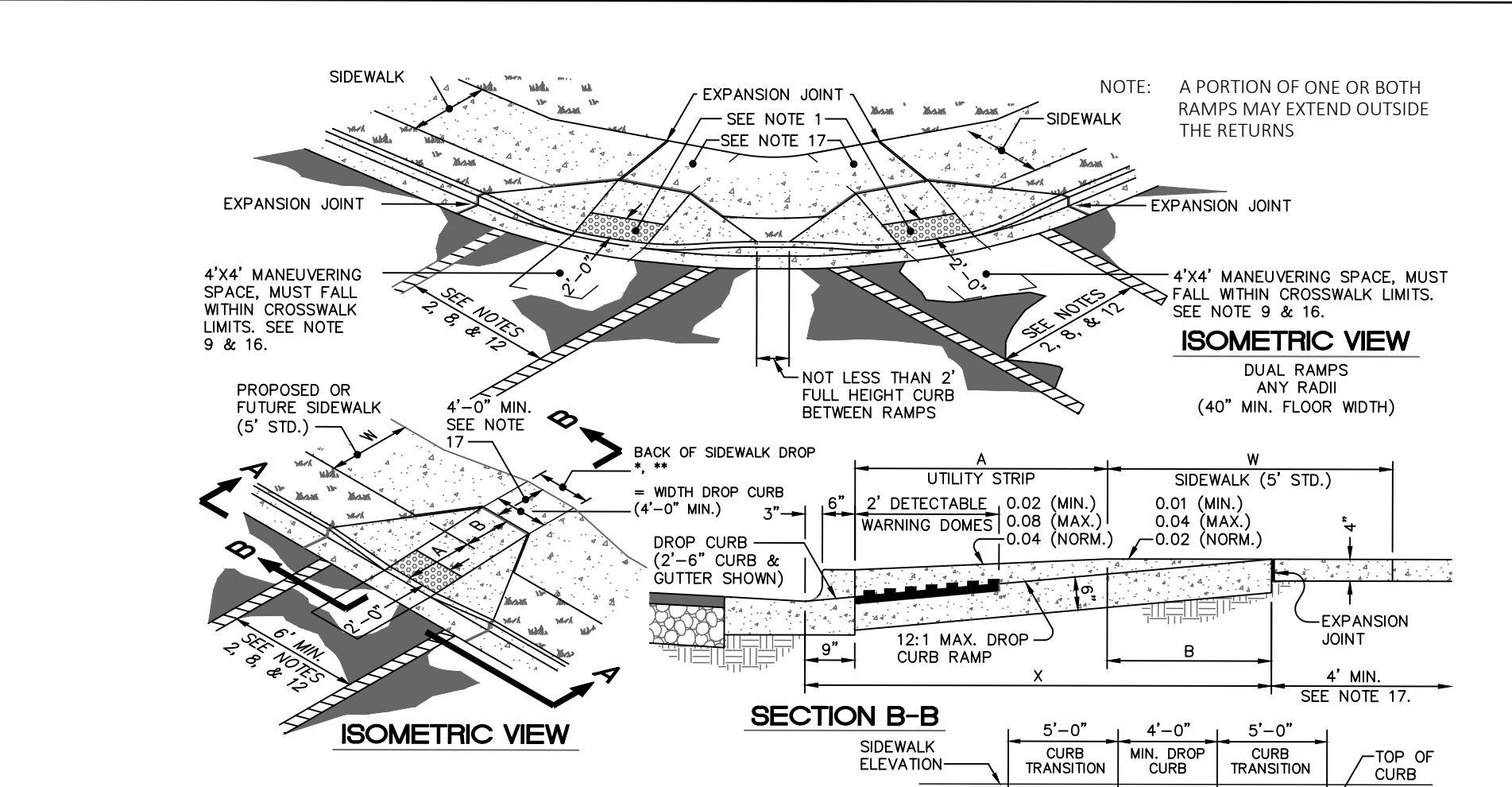
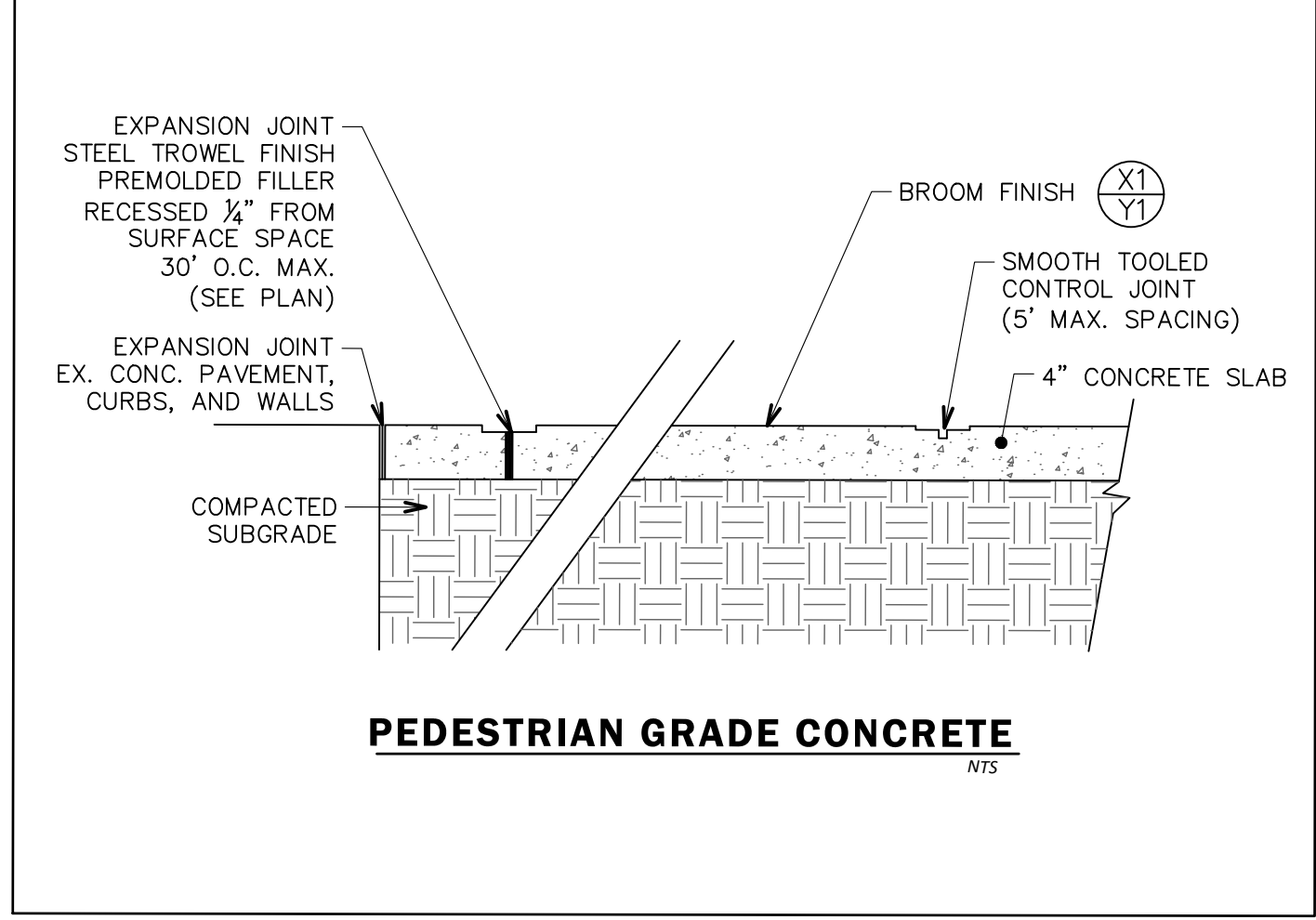
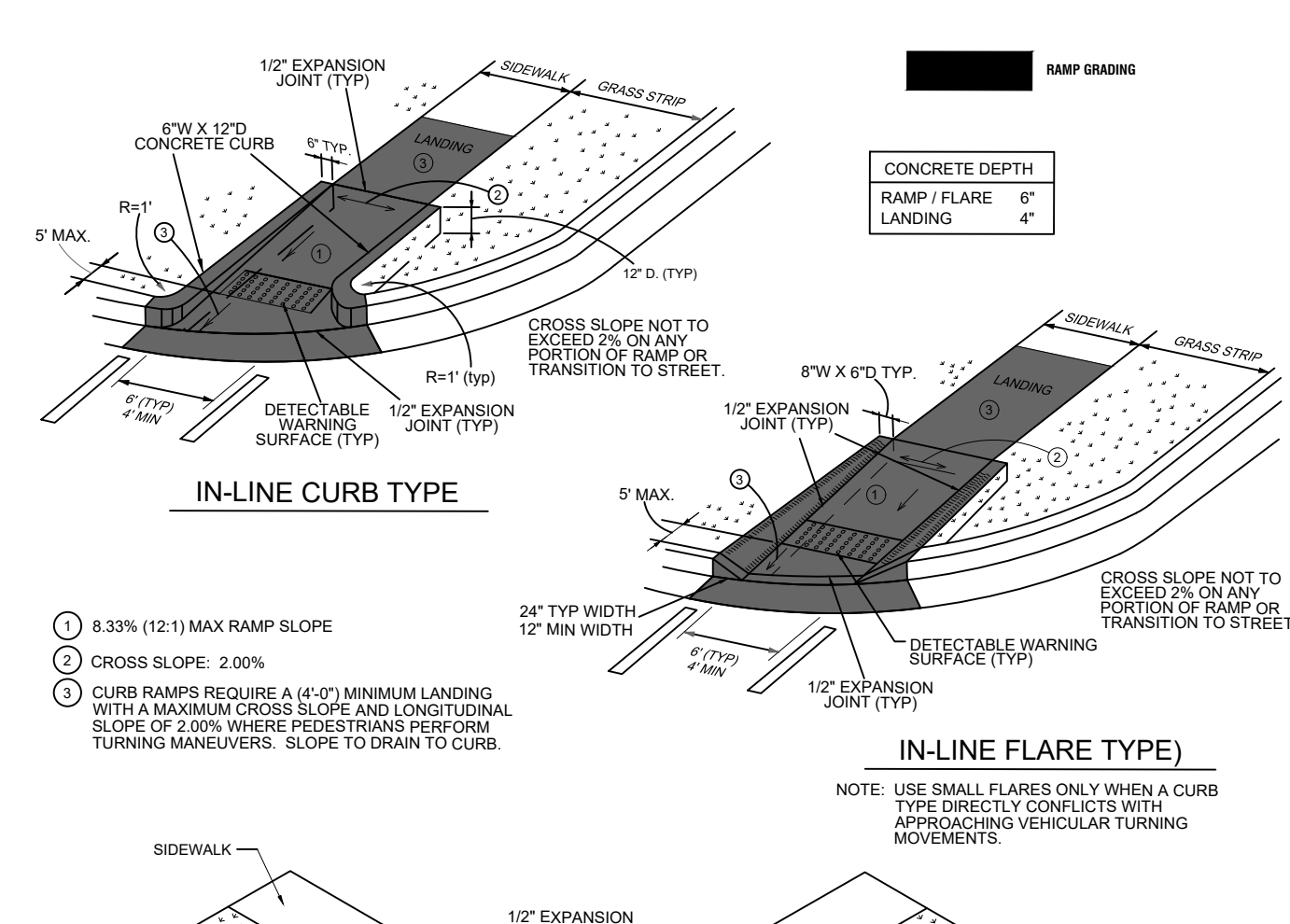
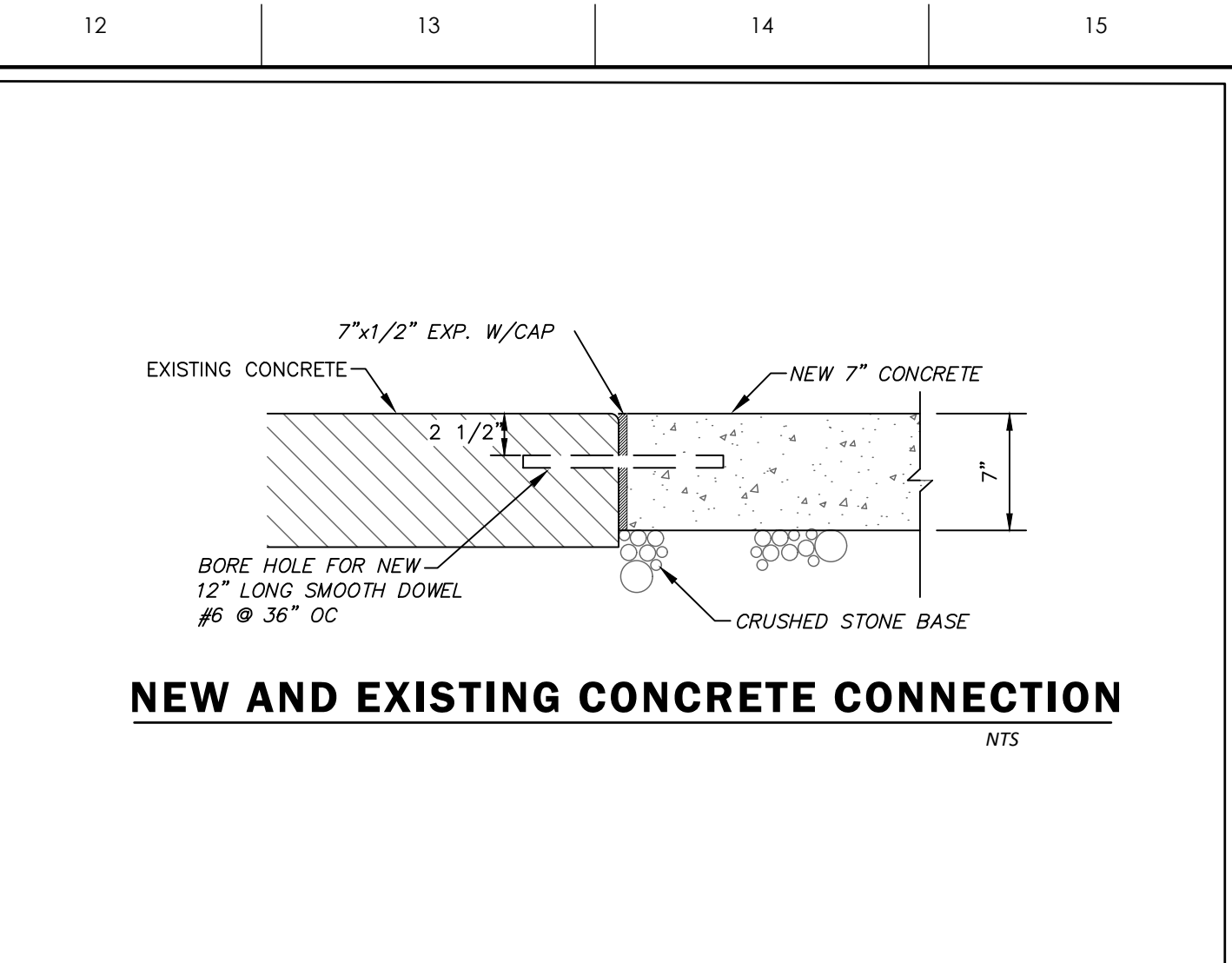
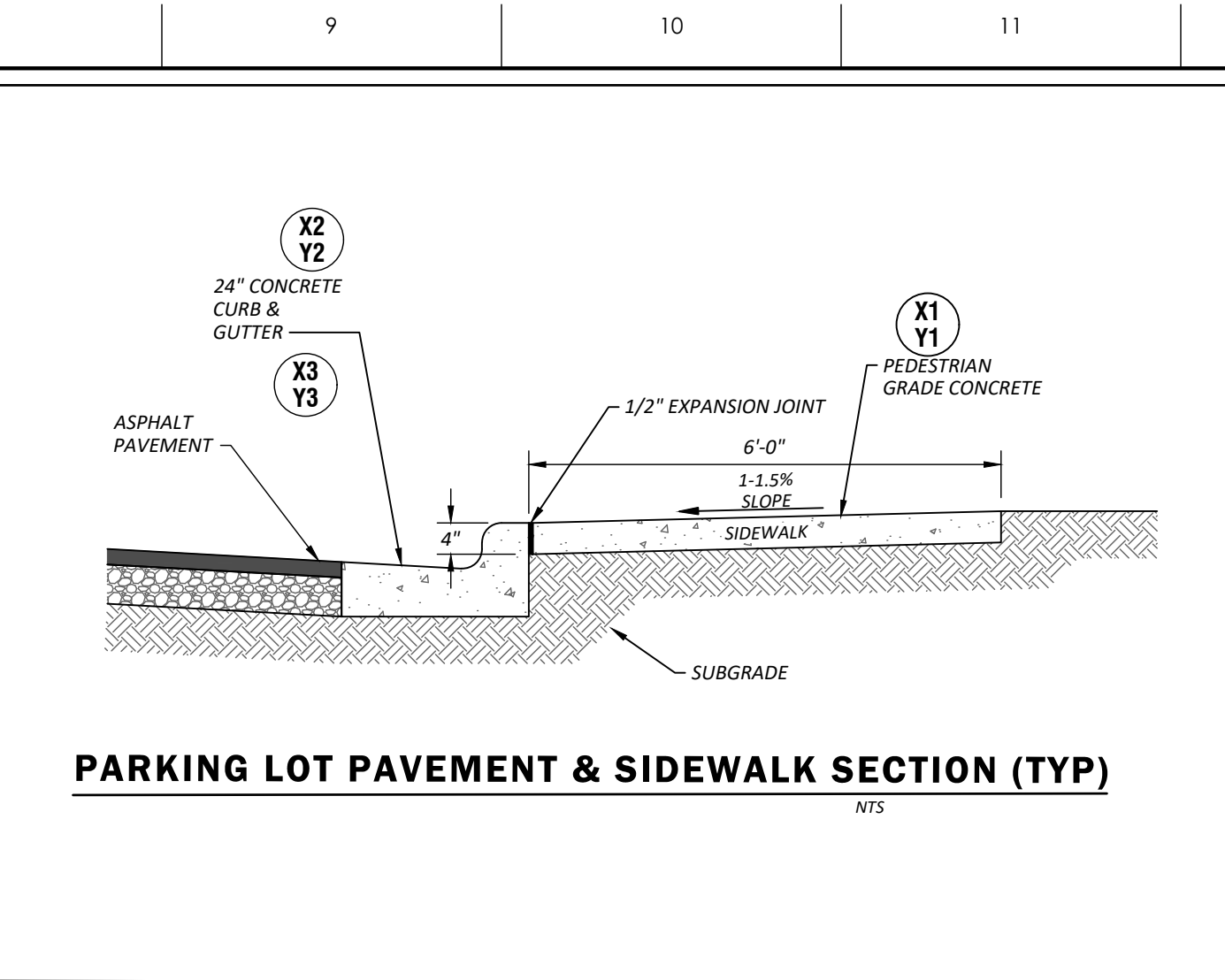
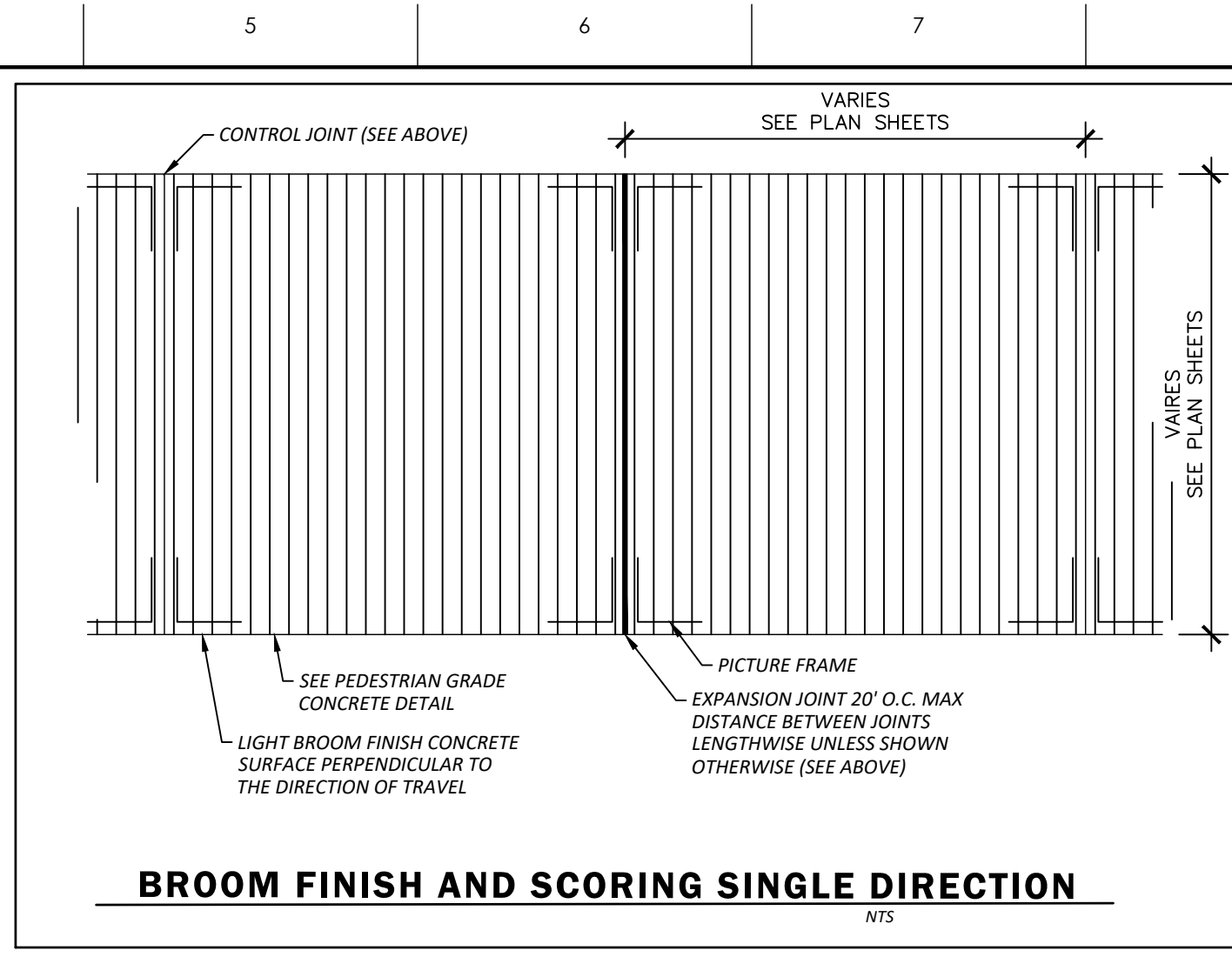
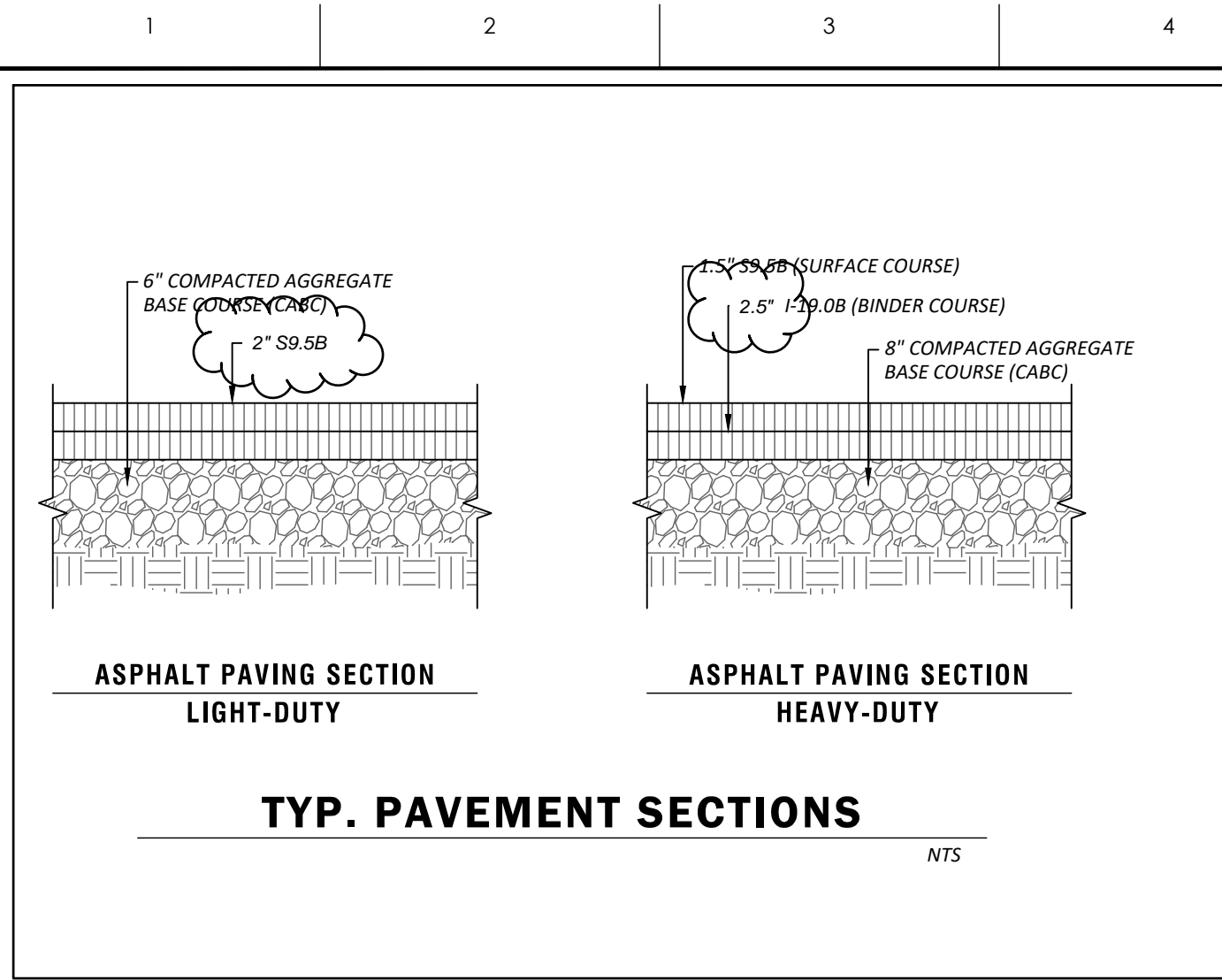


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PLAN AND EROSION CONTROL SHEETS C-4.12 EROSION CONTROL PLAN-PH2 - 8/16/2023 4:45:30 PM - BRANDON WRIGHT





PLAN AND ELEVATION OF STAR CORNER CLINTON 20230111.CADD, DIMS SHEETS, C-5.1 SITE DETAILS - 7/20/23 9:54:12 AM - SAM FLOYD

**GENERAL NOTES**

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**J K F ARCHITECTURE**

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RAI Project #2023011

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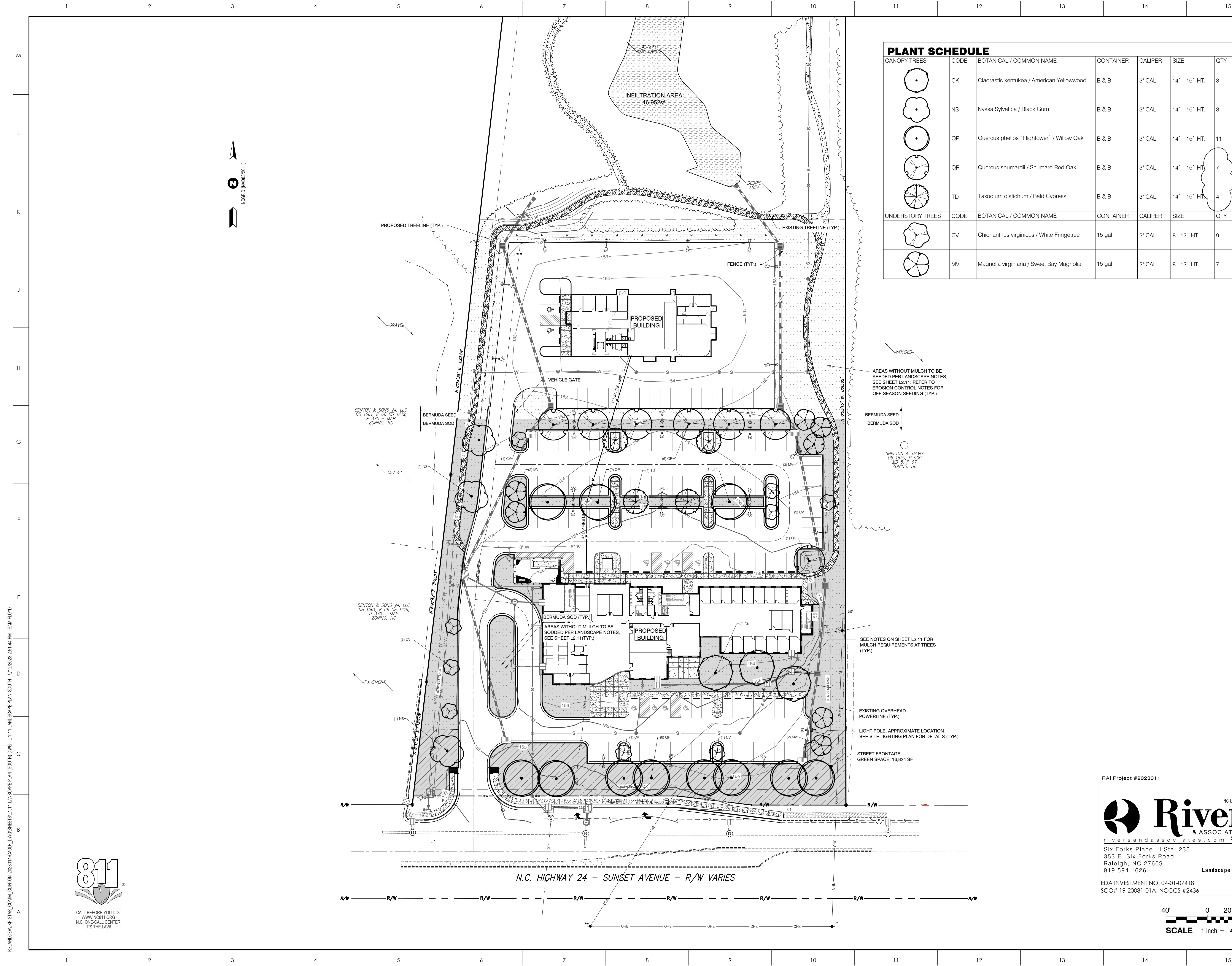
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PROJECT NO.: 202311

**C5.1**

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PLANT SCHEDULE						
CANOPY TREES	CODE	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	SIZE	QTY
	CK	Cladrastis kentukea / American Yellowwood	B & B	3" CAL.	14' - 16' HT.	3
	NS	Nyssa Sylvatica / Black Gum	B & B	3" CAL.	14' - 16' HT.	3
	QP	Quercus phellos 'Hightower' / Willow Oak	B & B	3" CAL.	14' - 16' HT.	11
	QR	Quercus shumardii / Shumard Red Oak	B & B	3" CAL.	14' - 16' HT.	7
	TD	Taxodium distichum / Bald Cypress	B & B	3" CAL.	14' - 16' HT.	4
UNDERSTORY TREES	CODE	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	SIZE	QTY
	CV	Chionanthus virginicus / White Fringetree	15 gal	2" CAL.	8'-12' HT.	9
	MV	Magnolia virginiana / Sweet Bay Magnolia	15 gal	2" CAL.	8'-12' HT.	7

**LANDSCAPE CALCULATIONS:**

LOT AREA: +/-501,033 SF  
 CONSTRUCTION SITE AREA: +/-217,640

**A. GREEN SPACE**  
 REQUIRED:  
 MINIMUM 15% OF SITE AREA DESIGNATED FOR GREEN SPACE. CONSTRUCTION SITE AREA CALCULATION SHALL INCLUDE ALL PORTIONS OF THE PARCEL USED FOR DEVELOPMENT, INCLUDING 15' BEYOND REAR OF CONSTRUCTION SITE.  
 $217,640 \times .15 = 32,646$  SF GREEN SPACE REQUIRED.  
 50% OF REQUIRED GREEN SPACE SHALL BE LOCATED ALONG STREET FRONTAGE WITH MOST TRAFFIC AND VISIBILITY.  
 $32,646 \times .5 = 16,399$  SF OF GREEN SPACE ALONG FRONTAGE REQUIRED.

PROVIDED:  
 TOTAL GREEN SPACE AREA = 78,828 SF  
 GREEN SPACE AREA AT SUNSET AVENUE FRONTAGE = 16,824 SF

**B. BUFFERS**  
 REQUIRED:  
 BUFFERS REQUIRED WHERE SITE, ZONED HC, ABUTS LAND ZONED FOR RESIDENTIAL USE.  
 NORTH - NONE REQUIRED, DOES NOT ABUT RESIDENTIAL ZONE  
 EAST - NONE REQUIRED, DOES NOT ABUT RESIDENTIAL ZONE  
 SOUTH - NONE REQUIRED, DOES NOT ABUT RESIDENTIAL ZONE  
 WEST - NONE REQUIRED, DOES NOT ABUT RESIDENTIAL ZONE

PROVIDED: N/A

**LEGEND**

- GREEN SPACE
- STREET FRONTAGE GREEN SPACE
- BERMUDA SOD

ARCHITECT ADDENDUM REVISION	9/12/23
NO REVISION	DATE



625 LYNDALE CT, SUITE F, GREENVILLE, NC 27858 252-355-1048

**STAR COMMUNICATIONS  
 NEW HEADQUARTERS**  
 CITY OF CLINTON- SAMPSON COUNT- NC

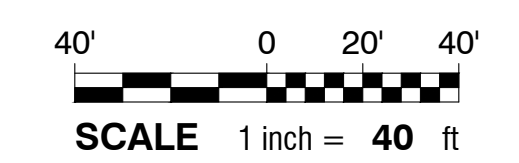
**LANDSCAPE PLAN-SOUTH**

SCALE	AS SHOWN	DRAWING NO.	
DRAWN	SBF		
CHECKED	PRM		
DATE	07-15-2023		
PROJECT NO.	202311		

RAI Project #2023011

**Rivers & ASSOCIATES, INC.**  
 r i v e r s a n d a s s o c i a t e s . c o m Since 1918  
 Six Forks Place III Ste. 230  
 353 E. Six Forks Road  
 Raleigh, NC 27609  
 919.594.1626  
 Engineers Planners Surveyors  
 Landscape Architects

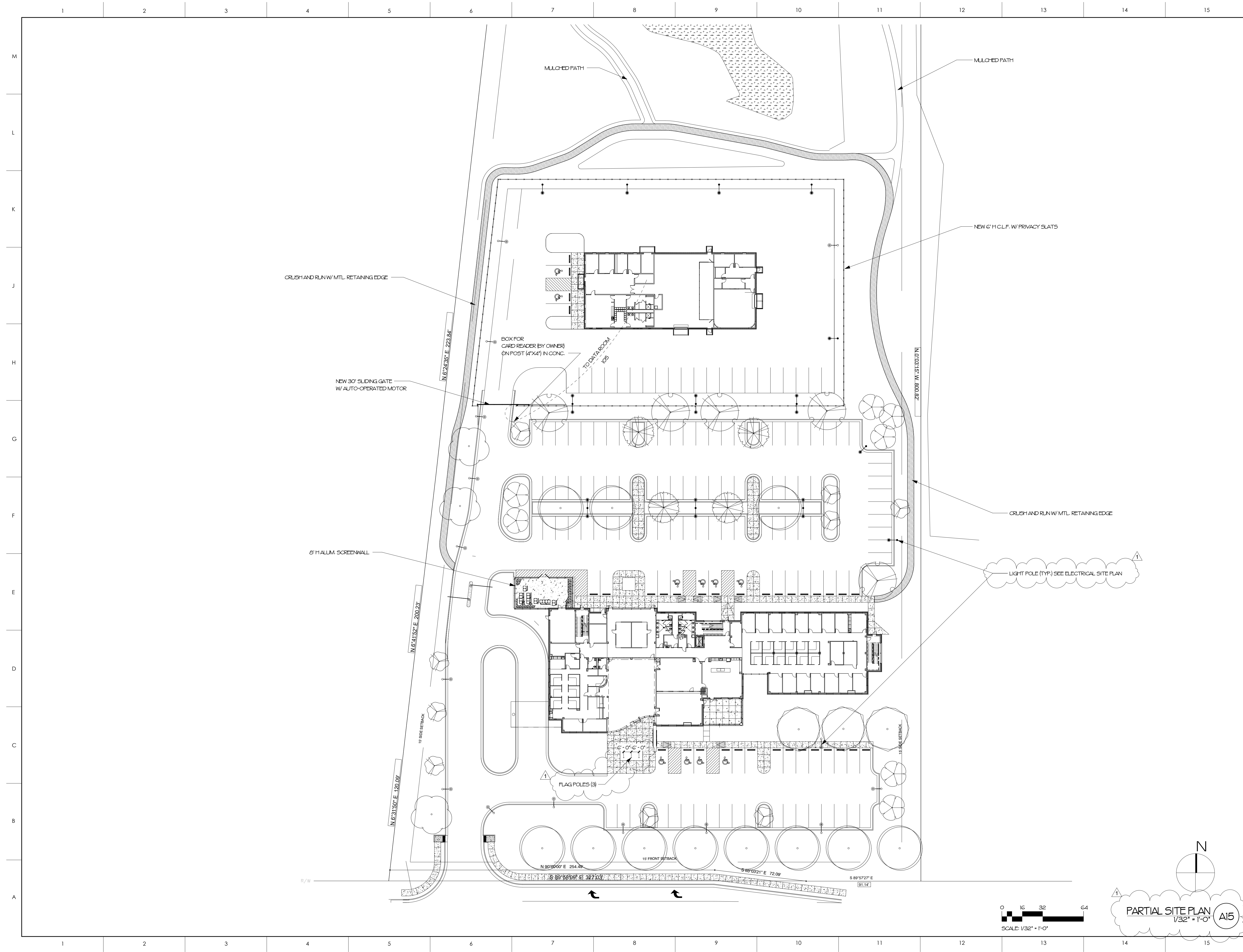
NC License: F-0334  
 EDA INVESTMENT NO. 04-01-07418  
 SCO# 19-20081-01A; NCCCS #2436



R:\LANDSCAPE\STAR\_CORAL\_CLINTON-2023011\LANDSCAPE PLAN SOUTH-9/12/2023 2:51:44 PM - SAM FLOOD







**MATERIALS KEYING LEGEND**

**GENERAL NOTES**

1. SEE LANDSCAPE PLAN L1111 FOR LANDSCAPE INFO.

**KEY PLAN**

NO	REVISION	DATE
1	ADDENDUM NO. 1	9-12-2023

**JOHN K. FARKAS**  
REGISTERED ARCHITECT  
410 FOREST  
5822  
GREENVILLE, NC  
JKF ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CLINTON, NC

DRAWING TITLE  
**PARTIAL SITE PLAN**

SCALE  
1/32" = 1'-0"

DRAWN  
MCZ/BTP

CHECKED  
JKF

DATE  
7-15-2023

PROJECT NO.  
2022-17

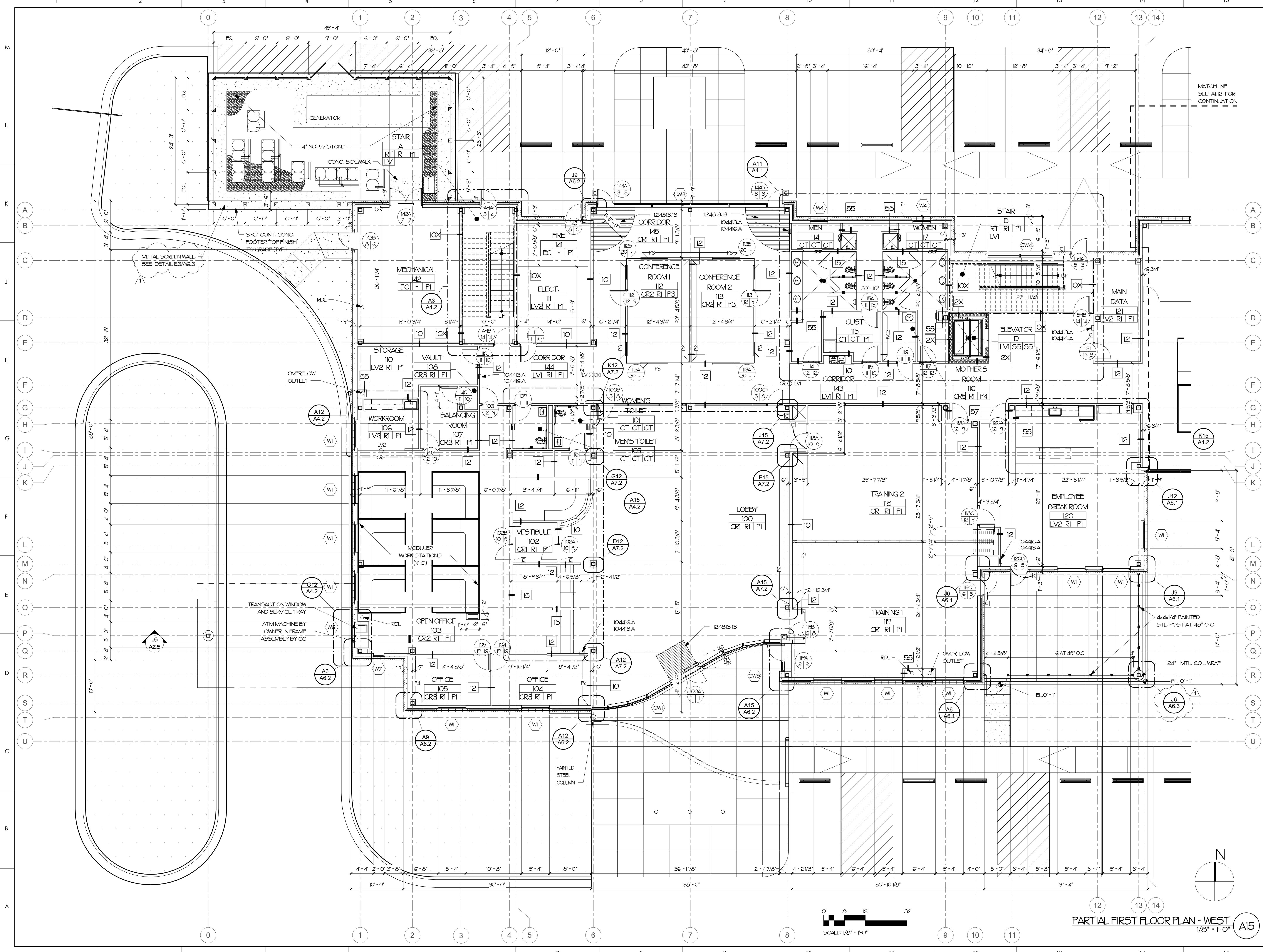
**ASP1.1**

SCALE: 1/32" = 1'-0"

0 16 32 64

**PARTIAL SITE PLAN**  
1/32" = 1'-0" A15

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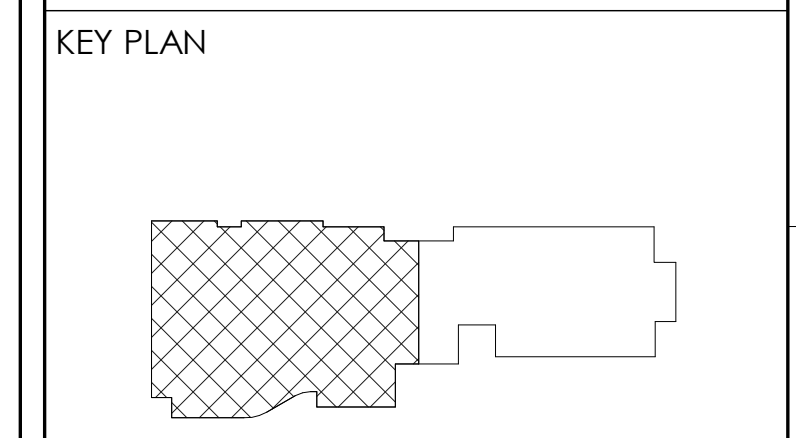


**MATERIALS KEYING LEGEND**

104413.A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" AFF.
104416.A	FIRE EXTINGUISHER
124513.13	ENTRANCE FLOOR MATS

**GENERAL NOTES**

1. INTERIOR DIMENSIONS ARE FACE OF STUD UNLESS NOTED OTHERWISE.



ADDENDUM NO. 1	9-12-2023
REVISION	DATE

JOHN K. FARKAS  
REGISTERED ARCHITECT  
9151025  
5822  
GREENVILLE, NC

**JKF**  
ARCHITECTURE

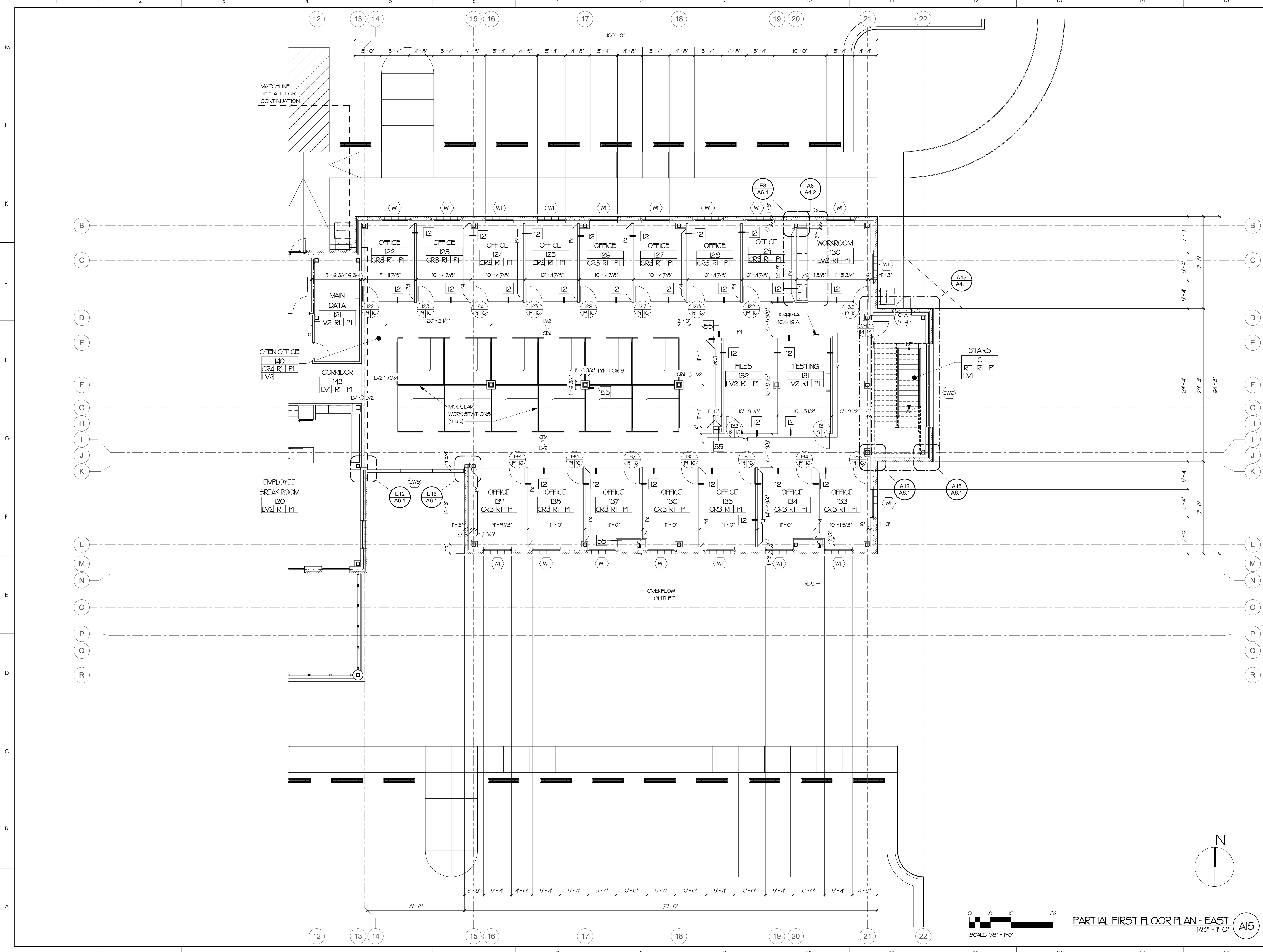
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC**

<b>DRAWING TITLE</b>	
PARTIAL FIRST FLOOR PLAN - WEST	
<b>SCALE</b>	1/8" = 1'-0"
<b>DRAWN</b>	MCZ/BTP
<b>CHECKED</b>	JKF
<b>DATE</b>	7-15-2023
<b>PROJECT NO.</b>	2022-17

**A1.11**

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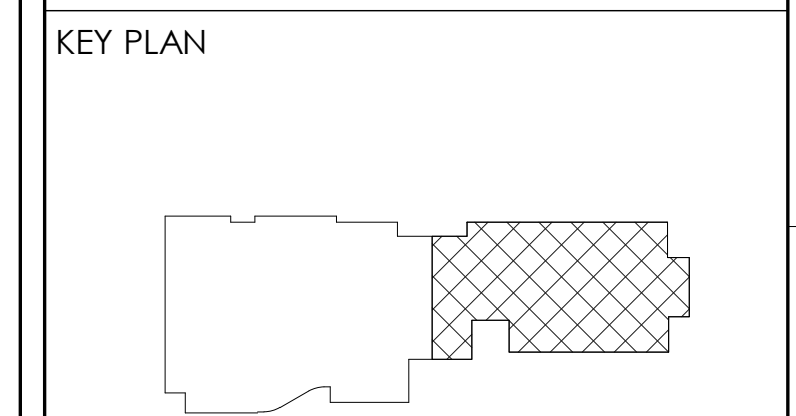


**MATERIALS KEYING LEGEND**

104413A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" AFF.
104416A	FIRE EXTINGUISHER

**GENERAL NOTES**

1. INTERIOR DIMENSIONS ARE FACE OF STUD UNLESS NOTED OTHERWISE.  
LEADER FINISH



ADDENDUM NO. 1	9-12-2023
REVISION	DATE

JOHN K. FARKAS  
REGISTERED ARCHITECT  
9/15/2003  
5922

**JKF**  
ARCHITECTURE

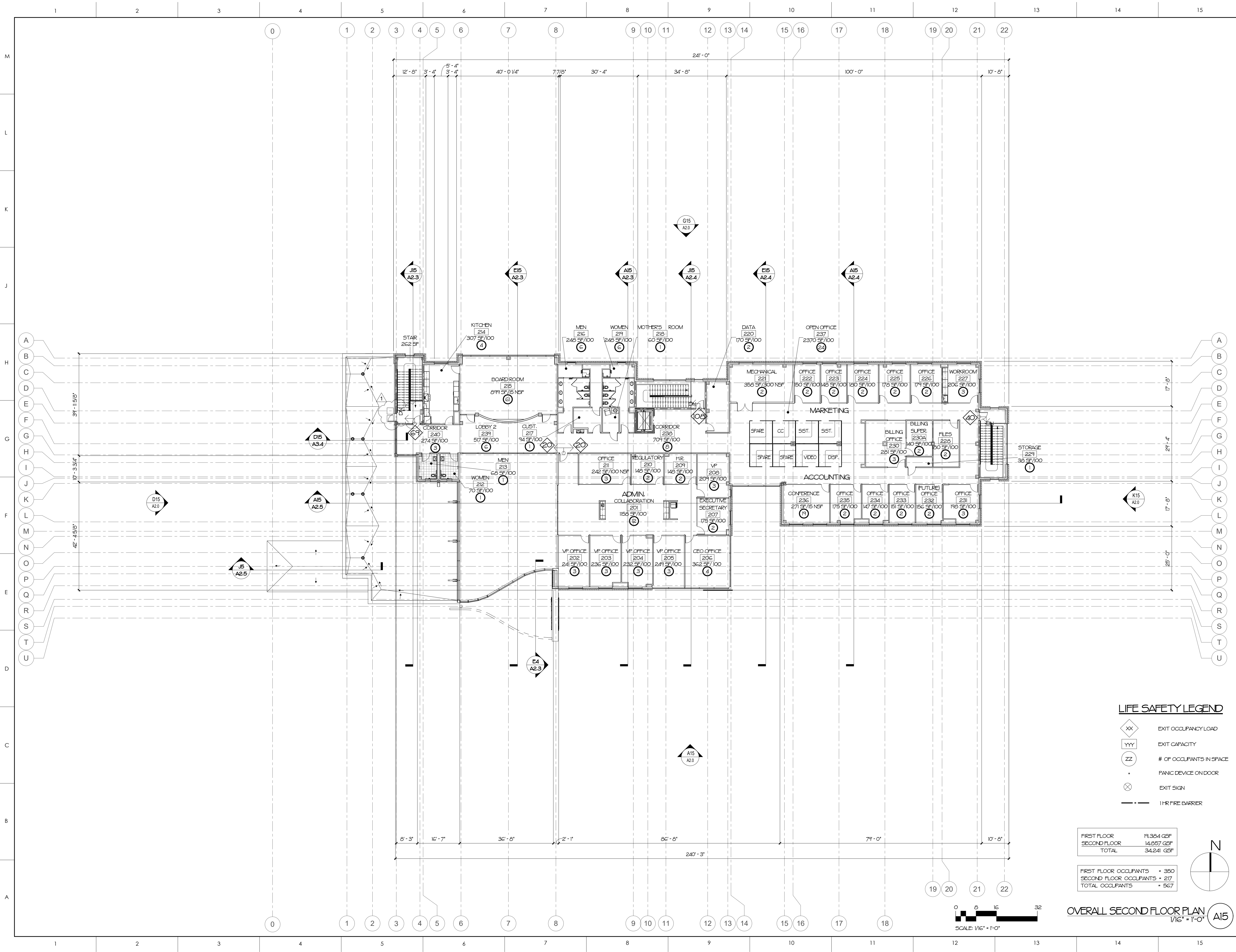
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27838 252-355-1068

STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC

DRAWING TITLE  
PARTIAL  
FIRST FLOOR PLAN - EAST

SCALE	1/8" = 1'-0"	<b>A1.12</b>
DRAWN	MCZ/BTP	
CHECKED	JKF	
DATE	7-15-2023	
PROJECT NO.	2022-17	

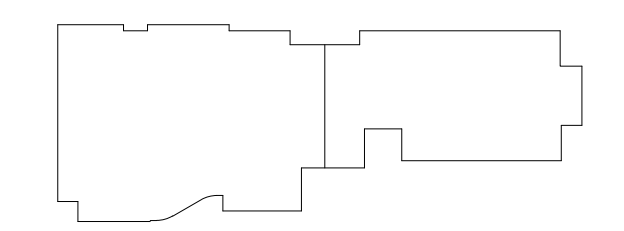




MATERIALS KEYING LEGEND

GENERAL NOTES  
 1. SEE DRAWING A11 FOR FIRST FLOOR LIFE - SAFETY PLAN

KEY PLAN



ADDENDUM NO. 1	9-12-2023
NO REVISION	DATE

JOHN K. FARKAS  
 REGISTERED ARCHITECT  
 910 FARMERS  
 GREENVILLE, NC 28902

**JKF**  
 ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

STAR COMMUNICATIONS  
 NEW HEADQUARTERS  
 CLINTON, NC

DRAWING TITLE  
**OVERALL  
 SECOND FLOOR PLAN**

SCALE	1/16" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

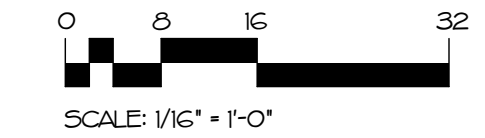
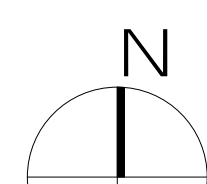
LIFE SAFETY LEGEND

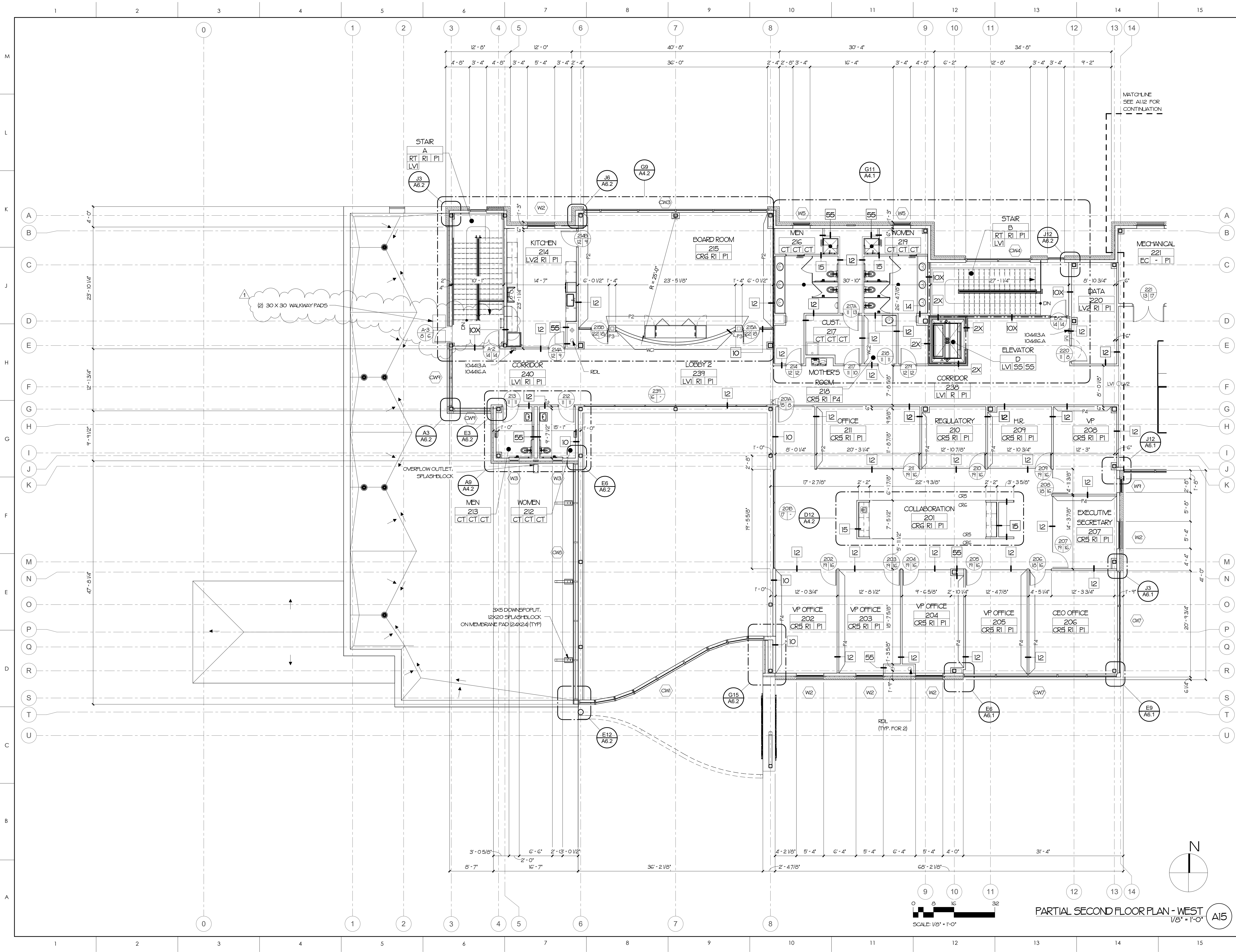
- XX EXIT OCCUPANCY/LOAD
- YYY EXIT CAPACITY
- ZZ # OF OCCUPANTS IN SPACE
- PANIC DEVICE ON DOOR
- ⊗ EXIT SIGN
- 1HR FIRE BARRIER

FIRST FLOOR	19,384 GSF
SECOND FLOOR	14,857 GSF
TOTAL	34,241 GSF

FIRST FLOOR OCCUPANTS	• 350
SECOND FLOOR OCCUPANTS	• 217
TOTAL OCCUPANTS	• 567

OVERALL SECOND FLOOR PLAN  
 1/16" = 1'-0" A15



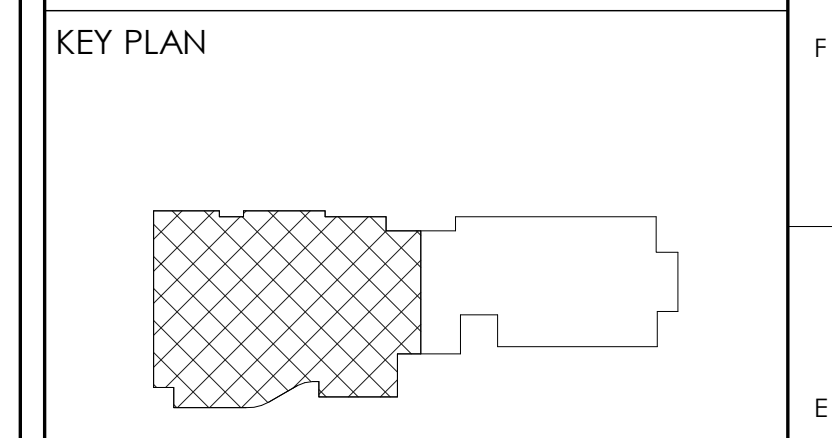


**MATERIALS KEYING LEGEND**

104413.A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" AFF.
104416.A	FIRE EXTINGUISHER

**GENERAL NOTES**

1. INTERIOR DIMENSIONS ARE FACE OF STUD UNDO W/DOT LEADER -  $\phi$  FINISH



ADDENDUM NO. 1	9-12-2023
REVISION	DATE

JOHN K. FARKAS  
REGISTERED ARCHITECT  
9/15/2023  
5922  
J K F  
ARCHITECTURE

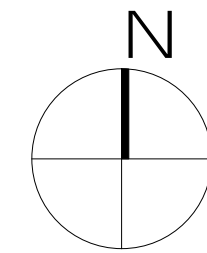
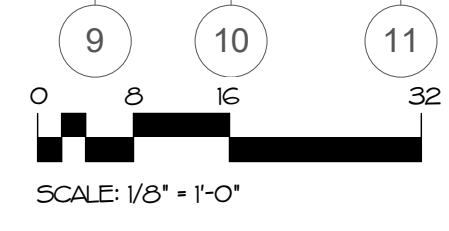
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC**

DRAWING TITLE  
**PARTIAL  
SECOND FLOOR PLAN - WEST**

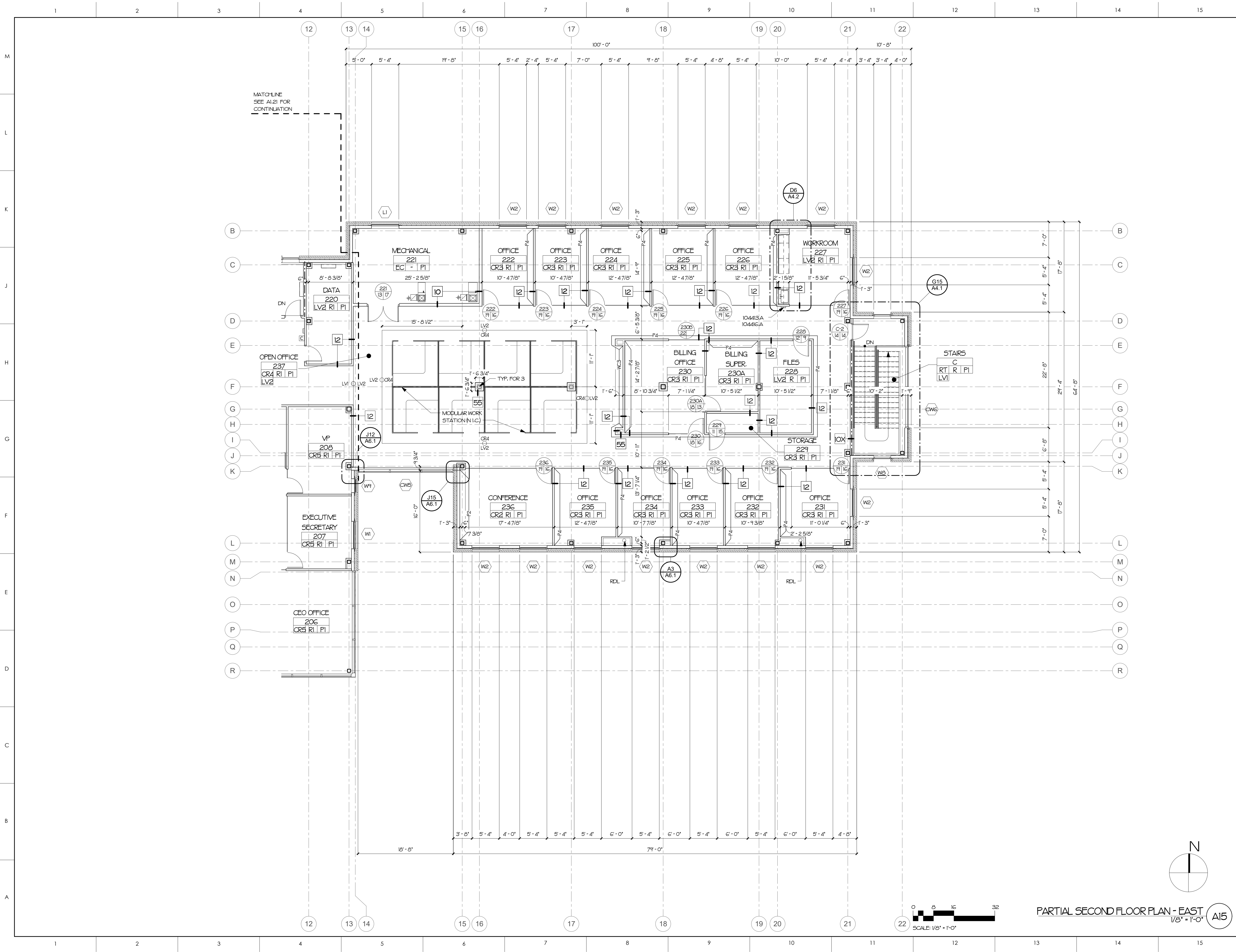
SCALE	1/8" = 1'-0"
DRAWN	MCZ/BTP
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

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**PARTIAL SECOND FLOOR PLAN - WEST**  
1/8" = 1'-0" **A15**



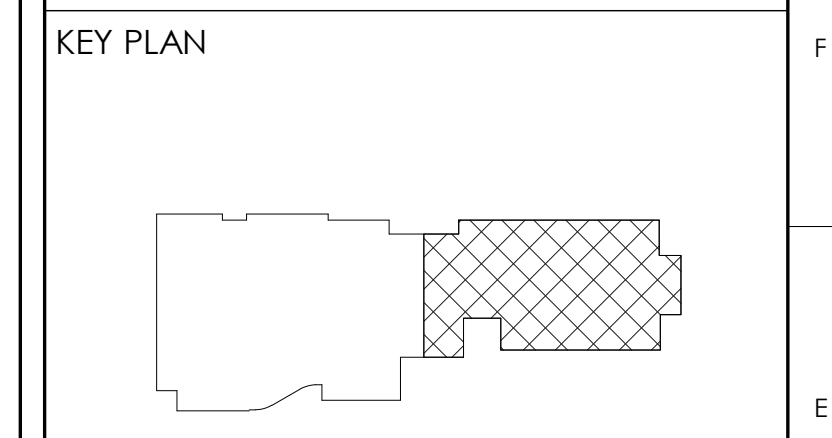


**MATERIALS KEYING LEGEND**

104413.A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" AFF.
----------	--

**GENERAL NOTES**

1. INTERIOR DIMENSIONS ARE FACE OF STUD UNO W/DOT LEADER FINISH



ADDENDUM NO. 1	9-12-2023
REVISION	DATE

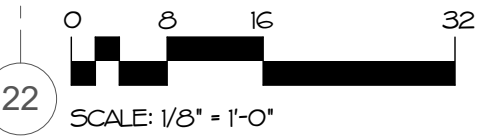
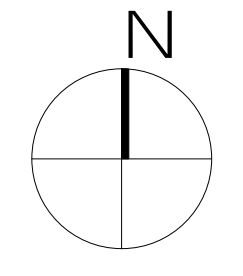
**JK F**  
 ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC**

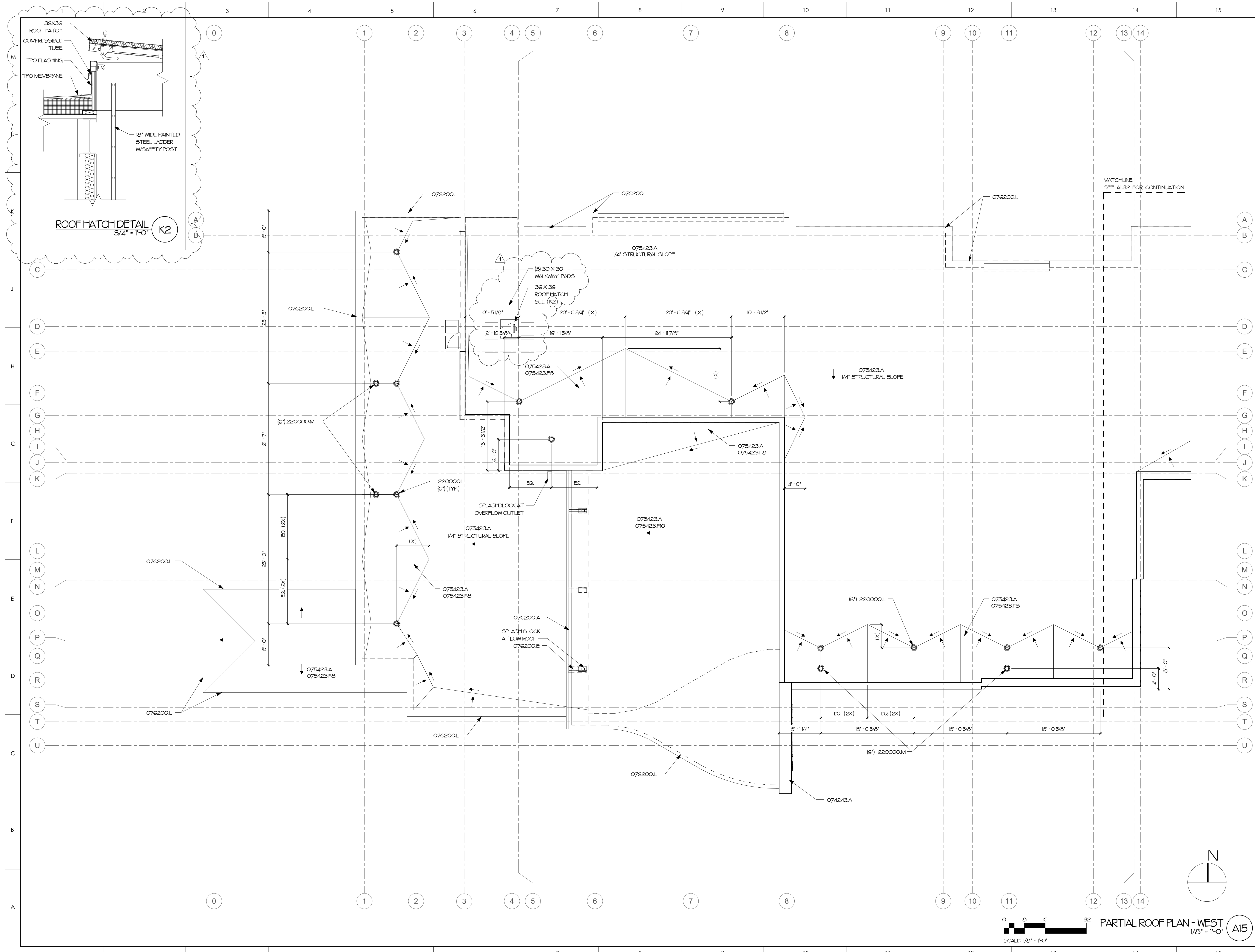
**PARTIAL  
SECOND FLOOR PLAN - EAST**

SCALE	1/8" = 1'-0"	<b>A1.22</b>
DRAWN	MCZ/BTP	
CHECKED	JKF	
DATE	7-15-2023	
PROJECT NO.	2022-17	



**PARTIAL SECOND FLOOR PLAN - EAST**  
1/8" = 1'-0" **A15**





**MATERIALS KEYING LEGEND**

074243.A	COMPOSITE WALL PANEL FLUSH PANEL W/REVEAL
075423.A	TPO ROOFING SYSTEM
075423.F6	TAPERED INSULATION 1/4" FINISHED
075423.F10	TAPERED INSULATION 1/8" FINISHED
076200.A	METAL GUTTER
076200.B	METAL DOWNSPOUT
076200.L	METAL FASCIA
220000.L	ROOF DRAIN
220000.M	ROOF DRAIN OVERFLOW

MATCHLINE  
SEE A132 FOR CONTINUATION

**GENERAL NOTES**

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
REVISION	DATE

**JK F**  
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27838 252-355-1068

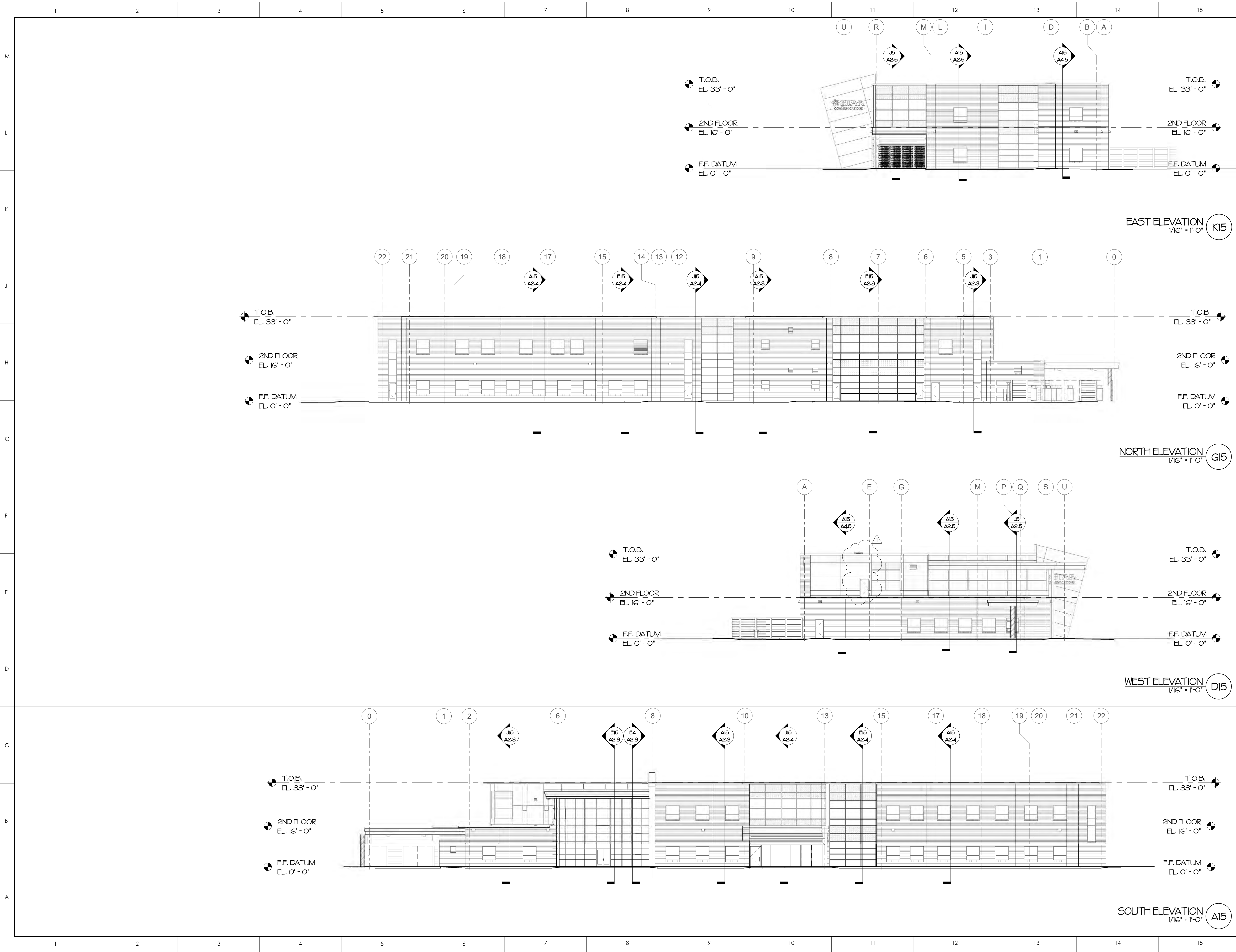
**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CLINTON, NC

DRAWING TITLE  
**PARTIAL ROOF PLAN - WEST**

SCALE	As indicated	<b>A1.31</b>
DRAWN	MCZ/BTP	
CHECKED	JKF	
DATE	7-15-2023	
PROJECT NO.	2022-17	

**PARTIAL ROOF PLAN - WEST**  
1/8" = 1'-0" **A15**

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**MATERIALS KEYING LEGEND**

---

**GENERAL NOTES**

---

**KEY PLAN**

---

ADDENDUM NO. 1	9-12-2023
NO. REVISION	DATE

---

**JOHN K. FARKAS**  
REGISTERED ARCHITECT  
1992  
*John K. Farkas*  
GREENVILLE, NC

**JKF**  
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CLINTON, NC

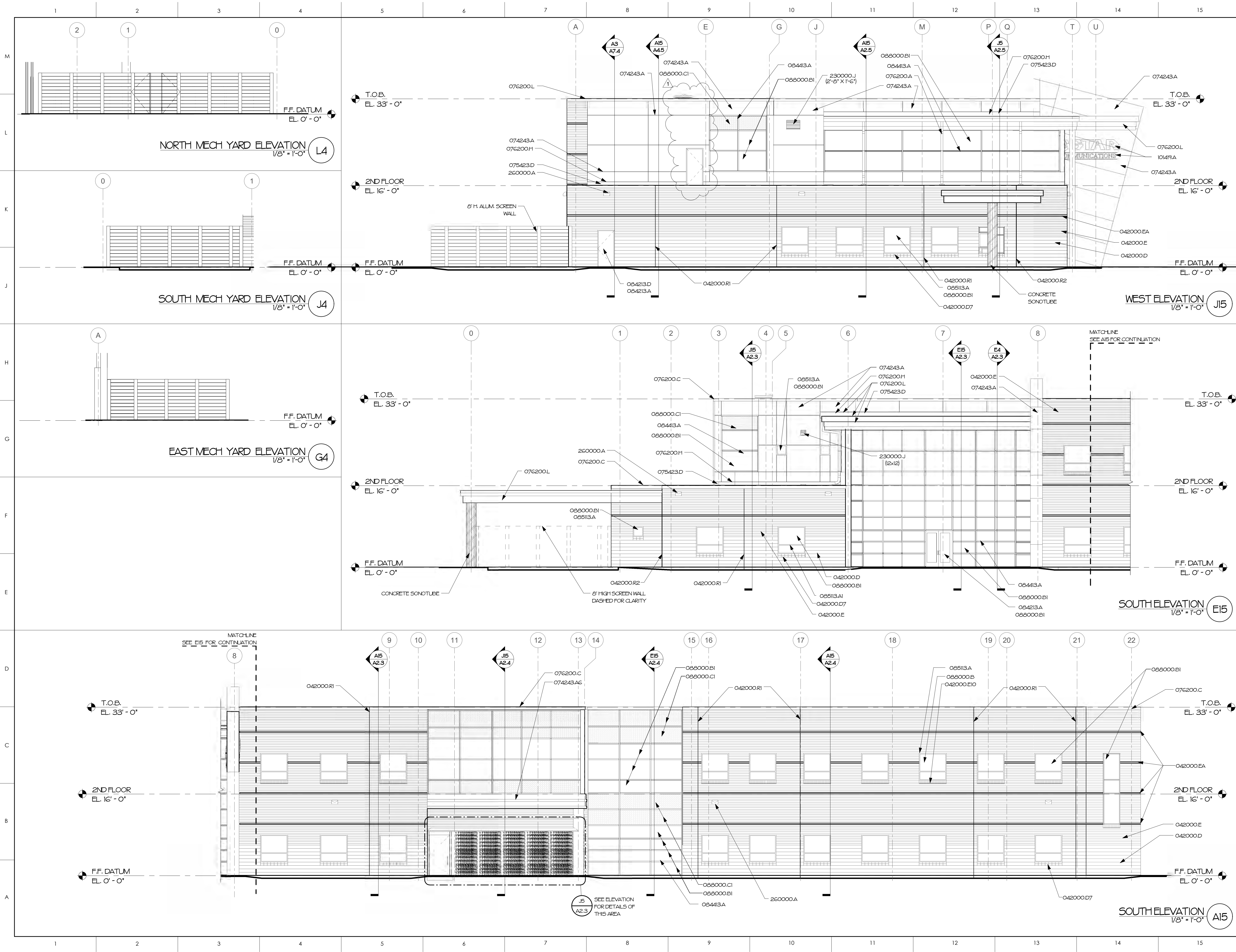
DRAWING TITLE  
**BUILDING ELEVATIONS**

SCALE	1/16" = 1'-0"
DRAWN	MCZ,BTP
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

**A2.0**

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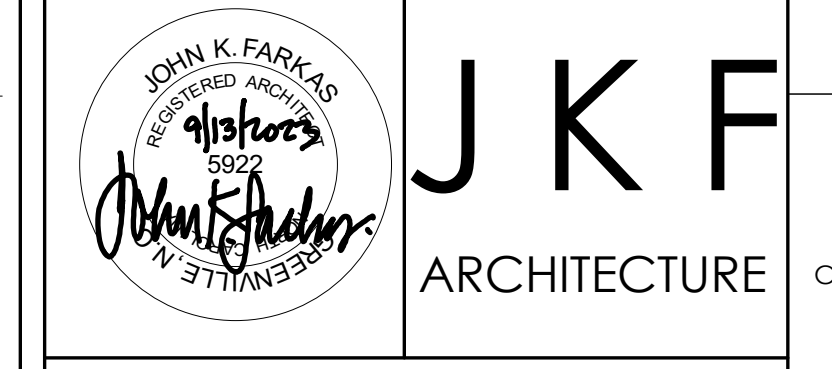
**MATERIALS KEYING LEGEND**

042000.D	CONCRETE MASONRY UNIT, DECORATIVE
042000.D7	CONCRETE MASONRY UNIT, DECORATIVE, SPECIAL SHAPE SILL
042000.E	FACE BRICK
042000.E10	FACE BRICK, SOLDIER COURSE SILL, SPECIAL SHAPE
042000.EA	FACE BRICK, ACCENT COLOR
042000.R1	CONTROL JOINT
042000.R2	CONTROL JOINT, INSIDE CORNER
074243.A	COMPOSITE WALL PANEL, FLUSH PANEL WIRE/VAL
074243.A6	METAL FLASHING
075423.D	TPO MEMBRANE FLASHING
076200.A	METAL GUTTER
076200.C	METAL COPING
076200.H	2-PIECE METAL COUNTERFLASH
076200.L	METAL FASCIA
084213.A	STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	ALUMINUM FRP DOOR
084413.A	ALUMINUM CURTAIN WALL ASSEMBLY
085113.A	ALUMINUM WINDOW ASSEMBLY
085113.AI	ALUMINUM WINDOW ASSEMBLY, FIXED WINDOW
088000.B	INSULATED GLASS
088000.B1	1" INSULATING GLASS+LOW E
088000.C1	INSULATING SPANDREL GLASS, 1" THICK
101419.A	CAST LETTERS, BACK-LIT
230000.J	MECH. LOUVER-SEE HVAC DRAWINGS
260000.A	EXTERIOR LIGHT FIXTURE

**GENERAL NOTES**

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
REVISION	DATE



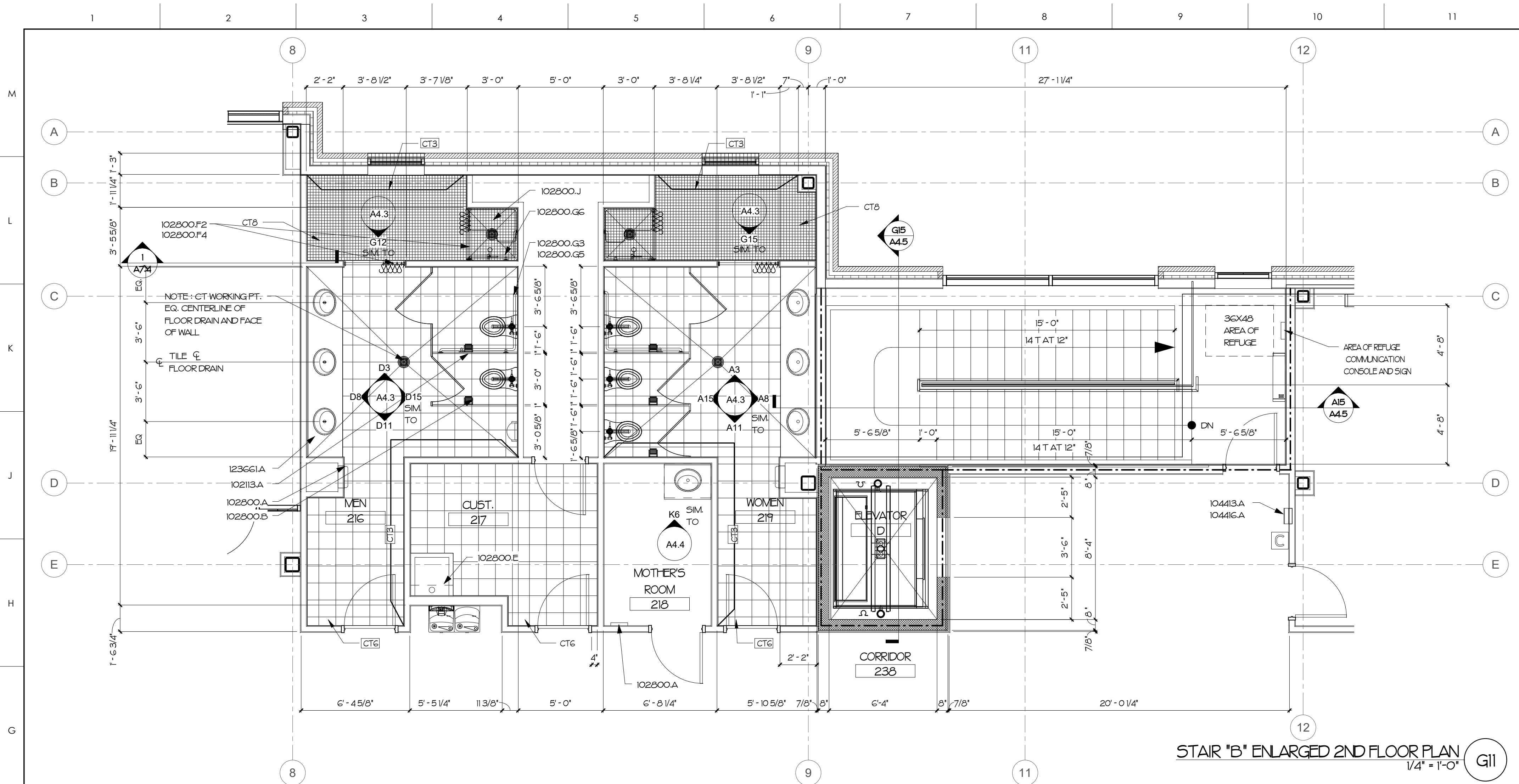
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC**

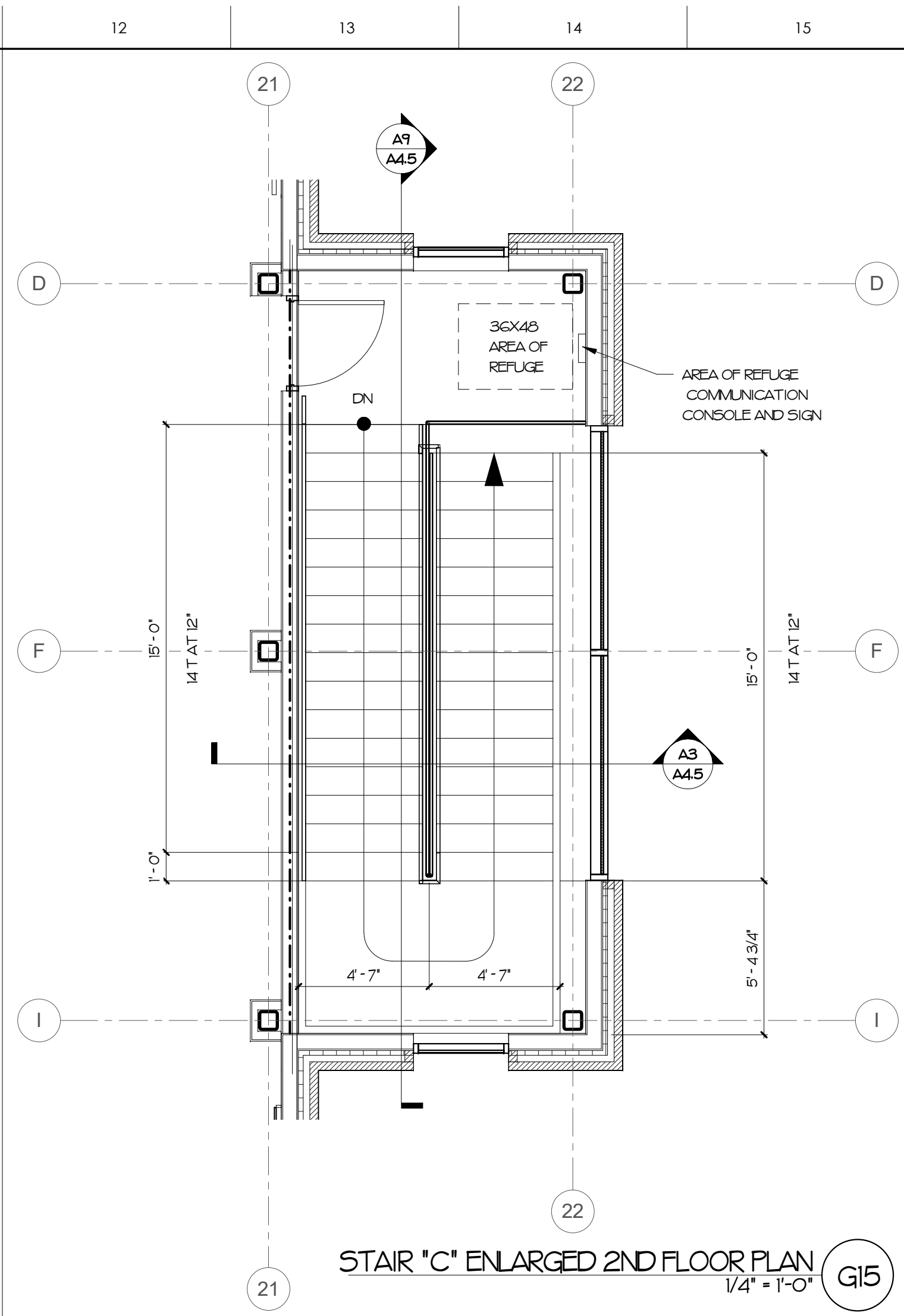
**BUILDING ELEVATIONS**

SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

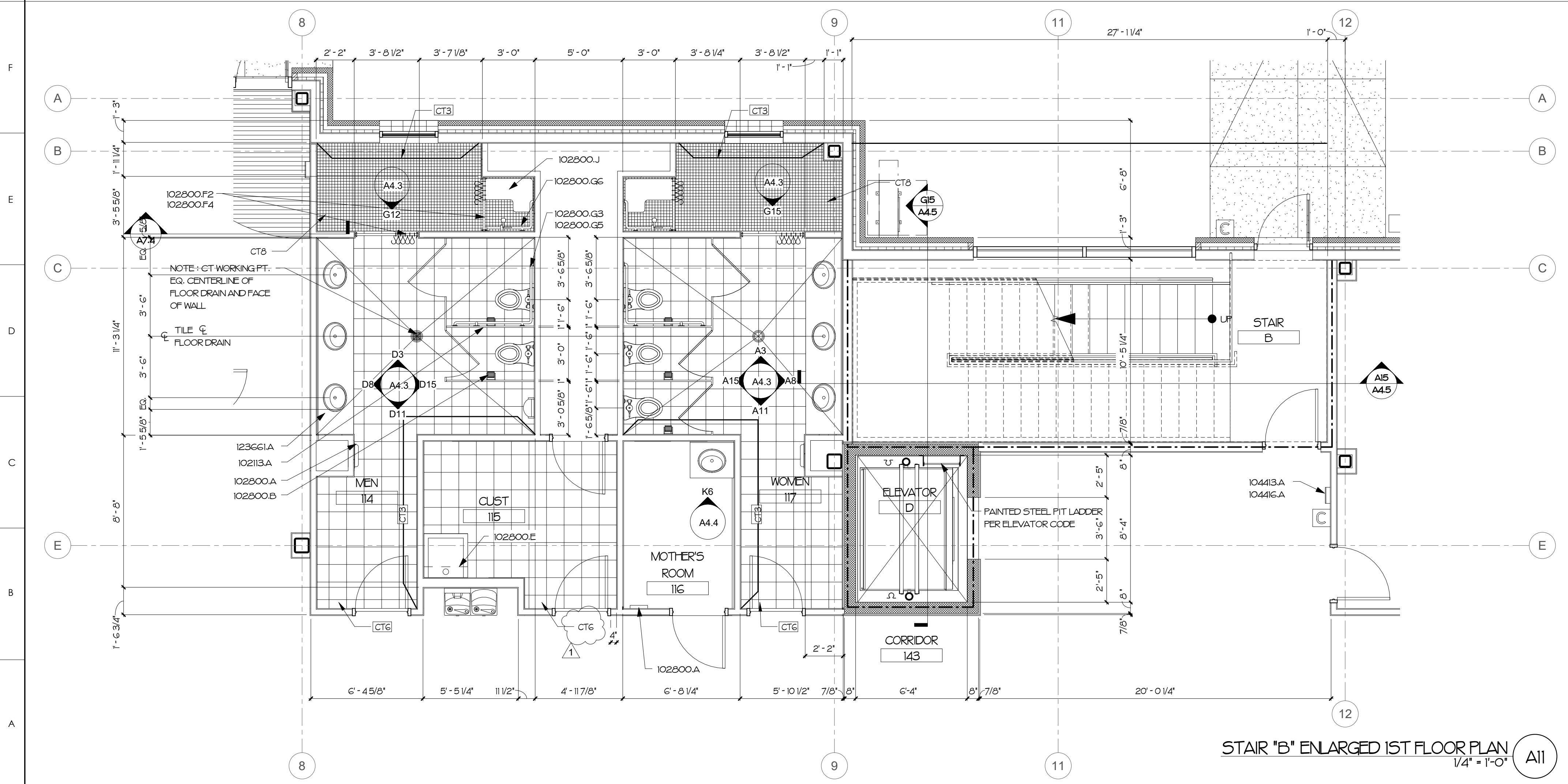
**A2.1**



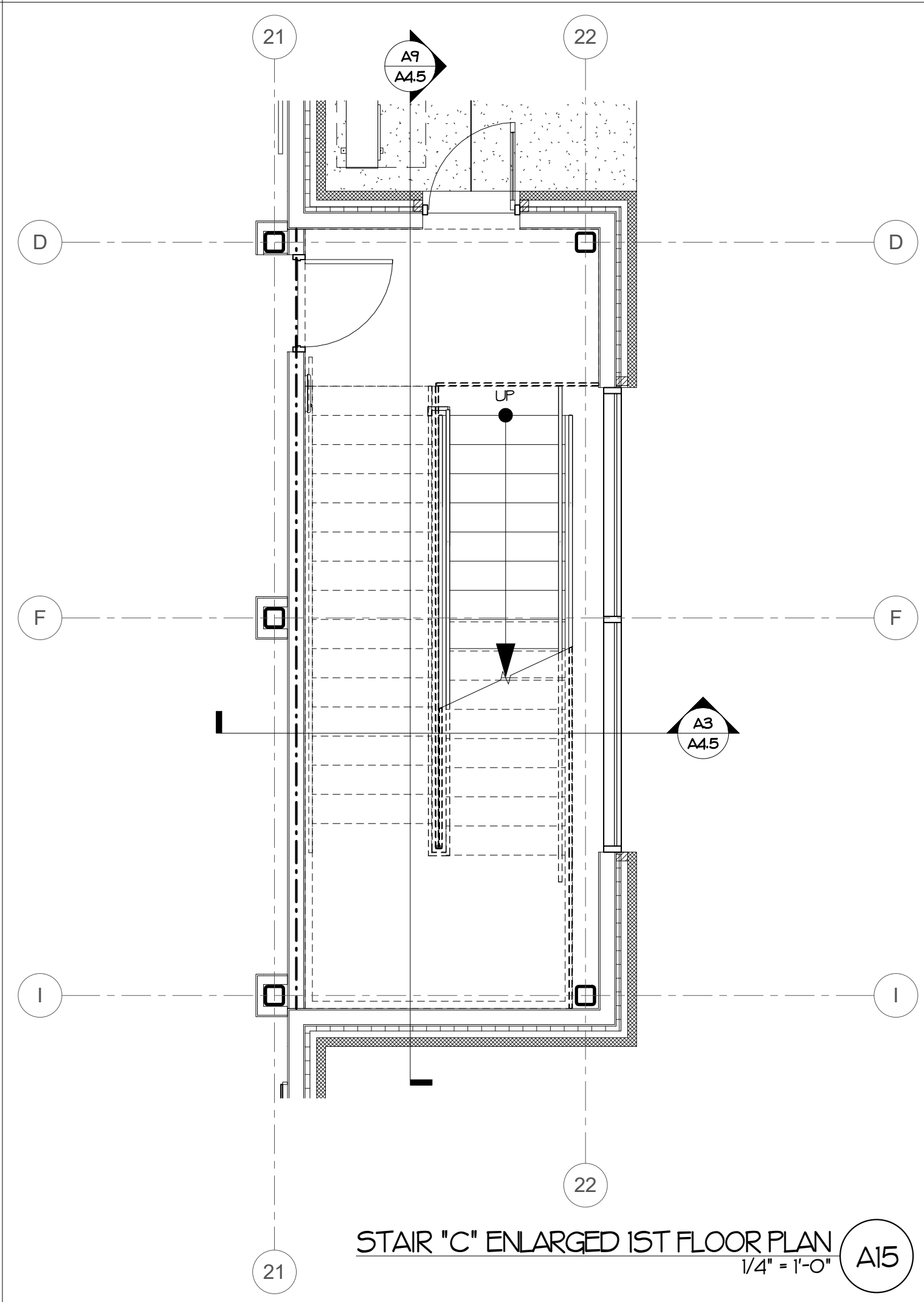
STAIR "B" ENLARGED 2ND FLOOR PLAN  
1/4" = 1'-0" G11



STAIR "C" ENLARGED 2ND FLOOR PLAN  
1/4" = 1'-0" G15



STAIR "B" ENLARGED 1ST FLOOR PLAN  
1/4" = 1'-0" A11



STAIR "C" ENLARGED 1ST FLOOR PLAN  
1/4" = 1'-0" A15

**MATERIALS KEYING LEGEND**

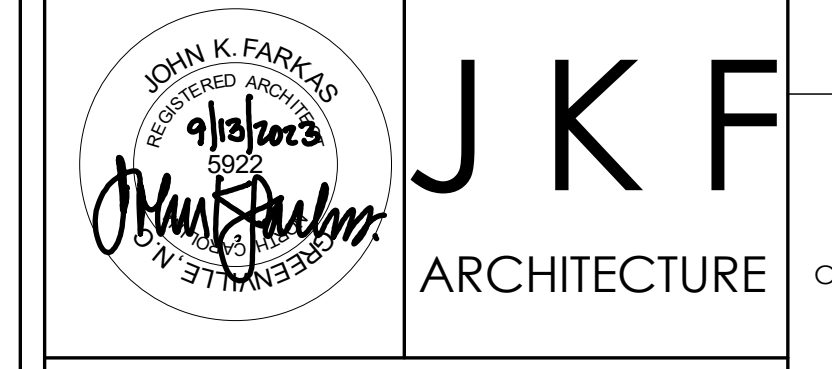
10213A	TOILET COMPARTMENT
102500A	TOWEL DISPENSER/WASTE RECEPTACLE
102500B	TOILET TISSUE DISPENSER
102500E	MOP AND BROOM HOLDER/WUTILITY SHELF AT 54" TO SHELF
102500F2	SHOWER CURTAIN ROD
102500F4	SHOWER CURTAIN
102500G3	42X54 GRAB BAR
102500G5	18" VERT. GRAB BAR
102500G6	18"X32" GRAB BAR
102500J	FOLDING SHOWER SEAT
104413A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" A.F.F.
104416A	FIRE EXTINGUISHER
123661A	SIMULATED STONE COUNTERTOP

**GENERAL NOTES**

1. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNO. W/DOT LEADER - φ - (FINISH)

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
REVISION	DATE



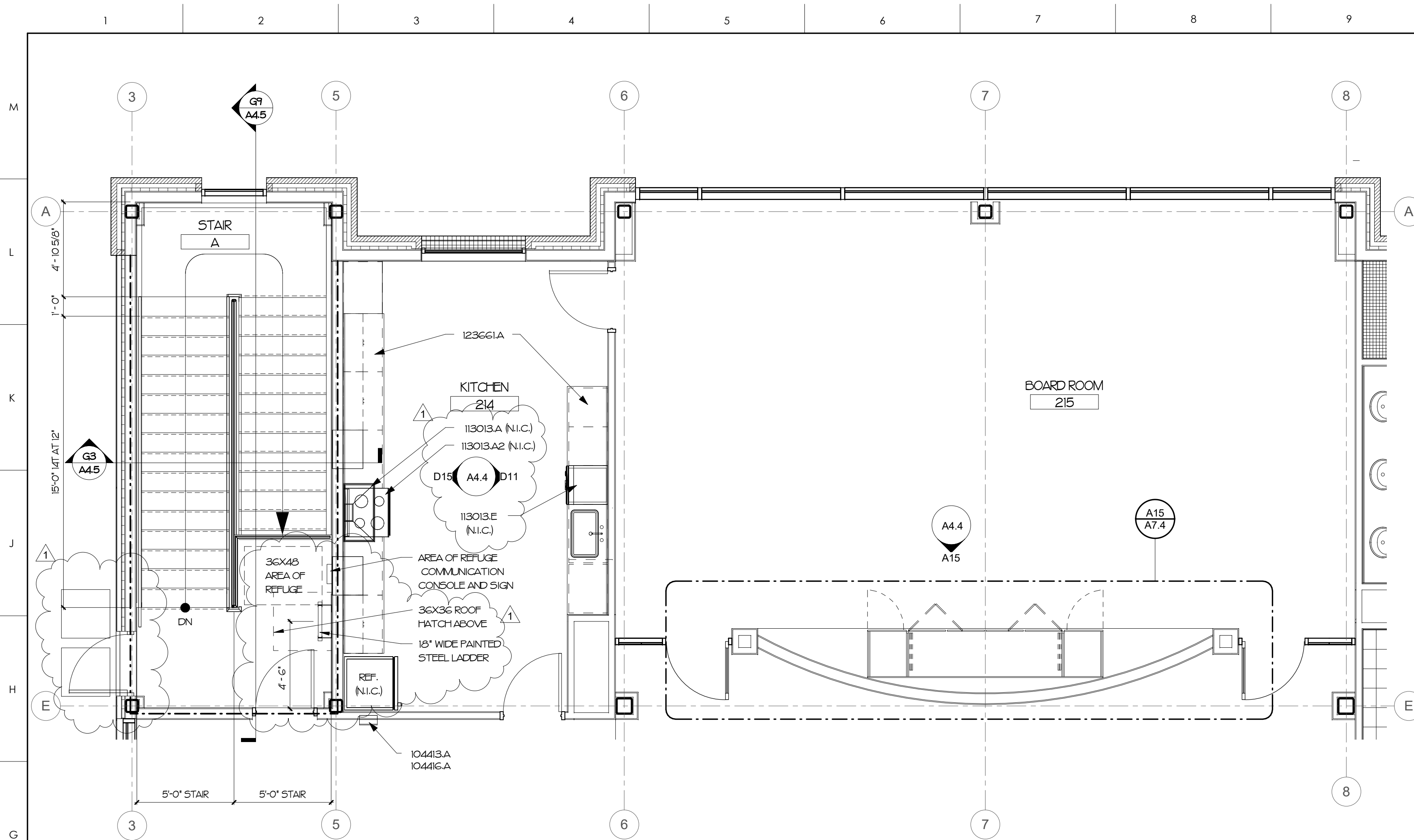
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC

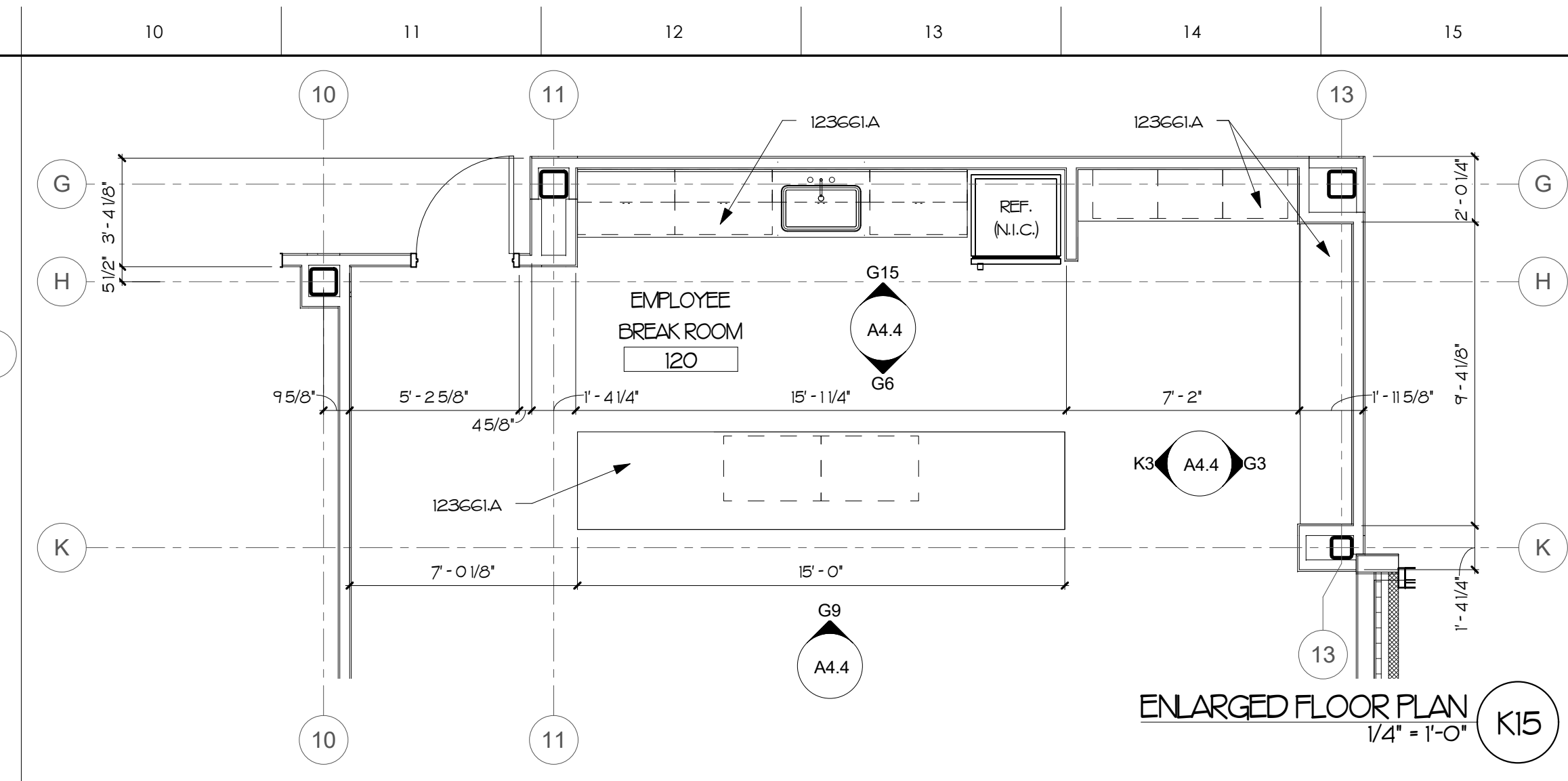
DRAWING TITLE  
ENLARGED FLOOR PLANS

SCALE	1/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

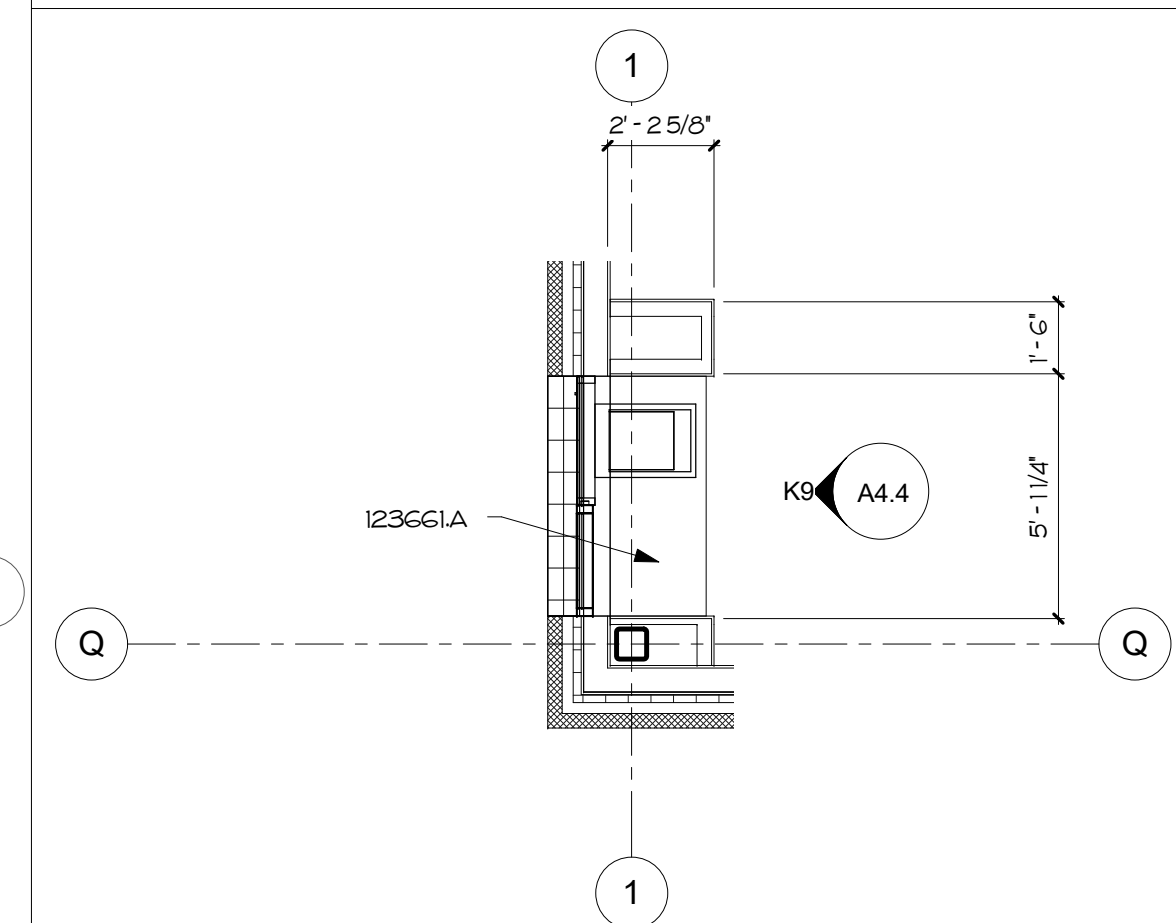
A4.1



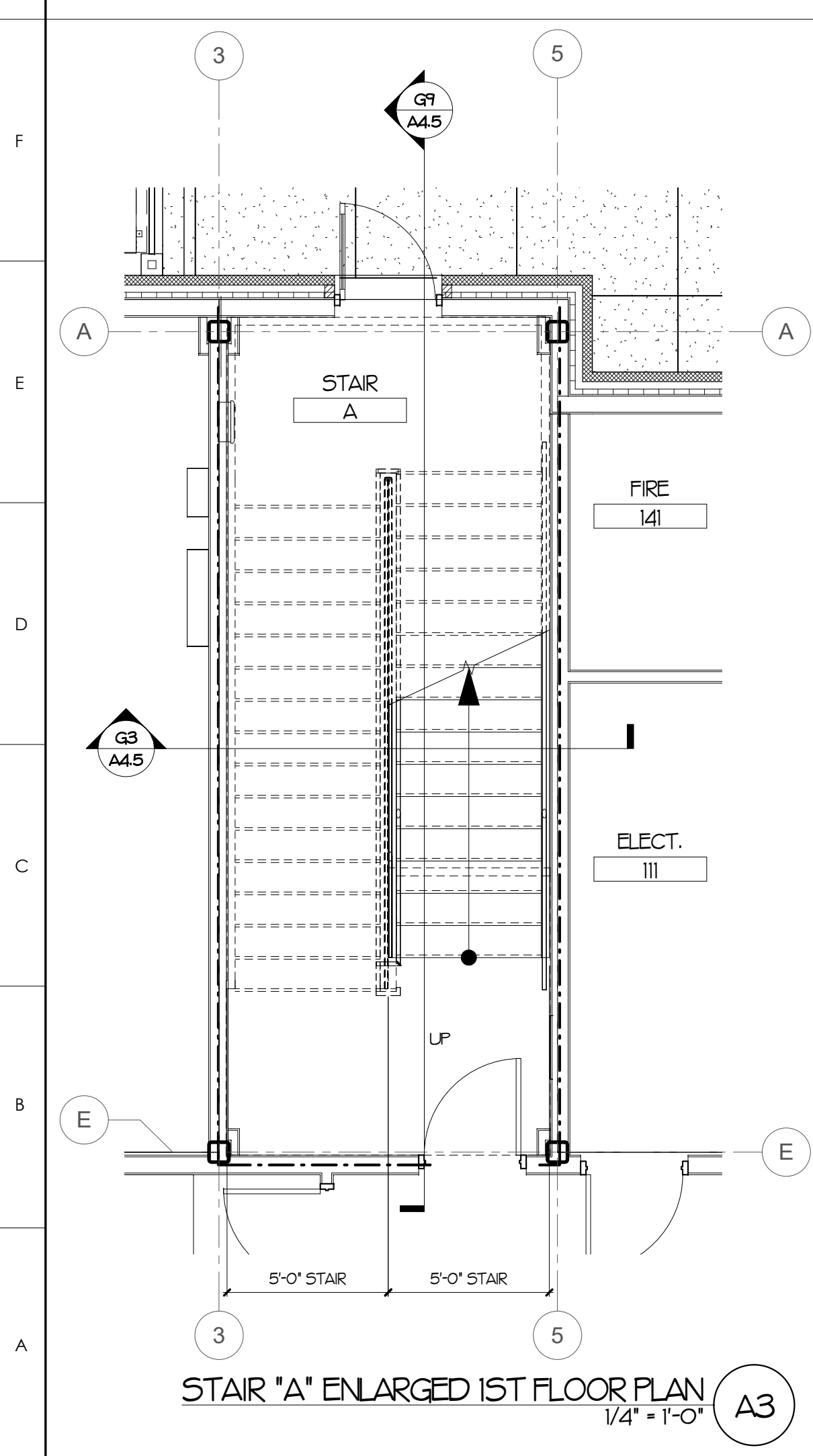
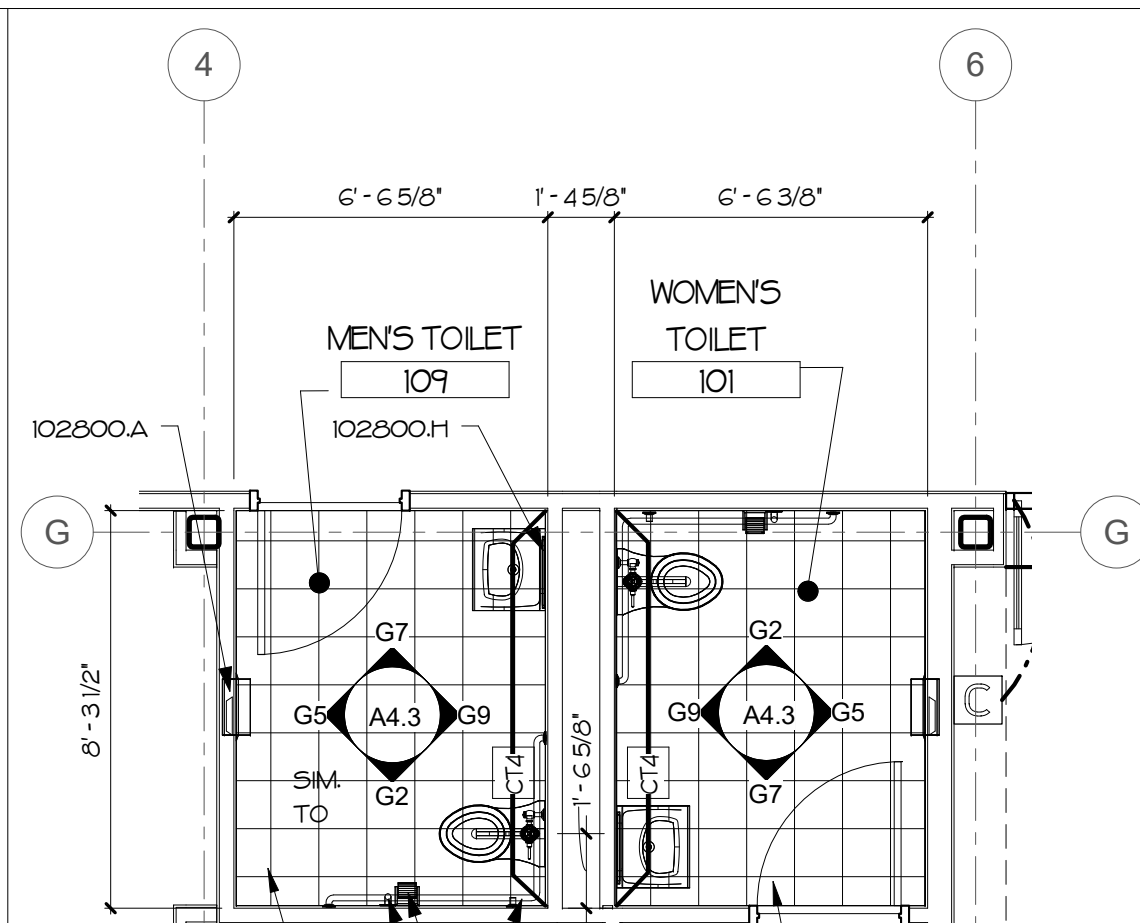
STAIR "A" / BOARDROOM ENLARGED 2ND FLOOR PLAN  
1/4" = 1'-0" G9



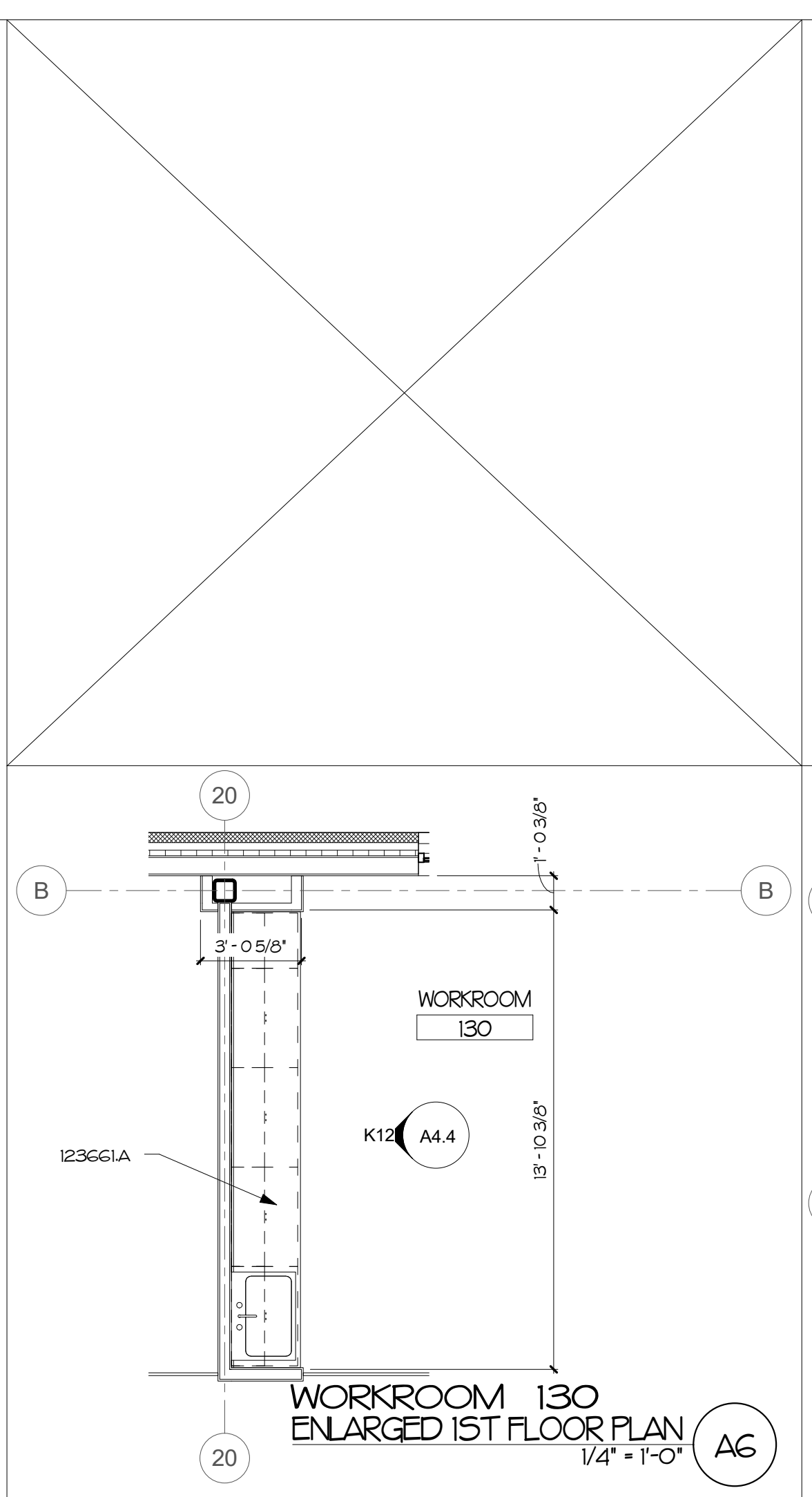
ENLARGED FLOOR PLAN  
1/4" = 1'-0" K15



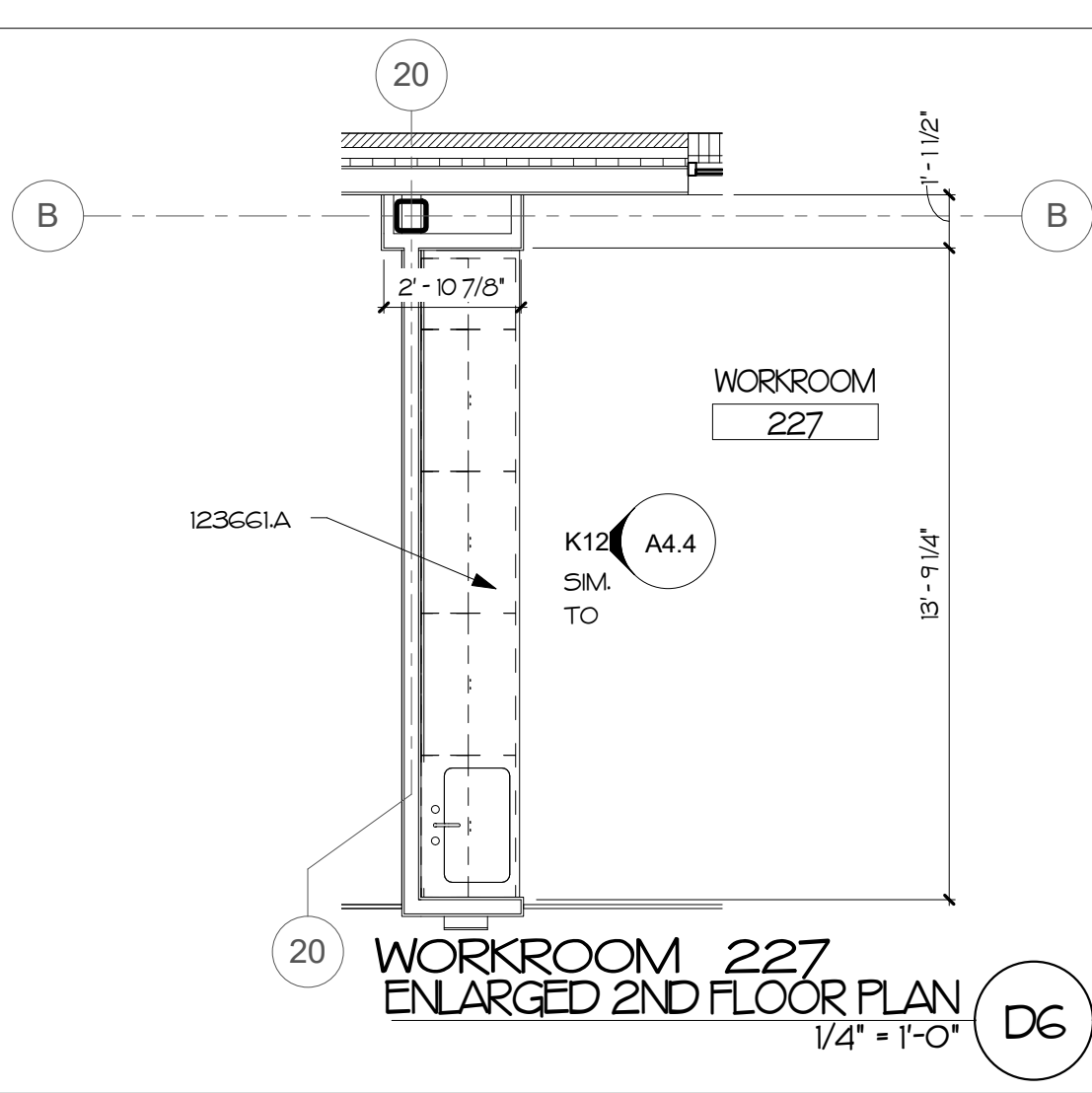
TRANSACTION WINDOW/COUNTER  
1/4" = 1'-0" G12



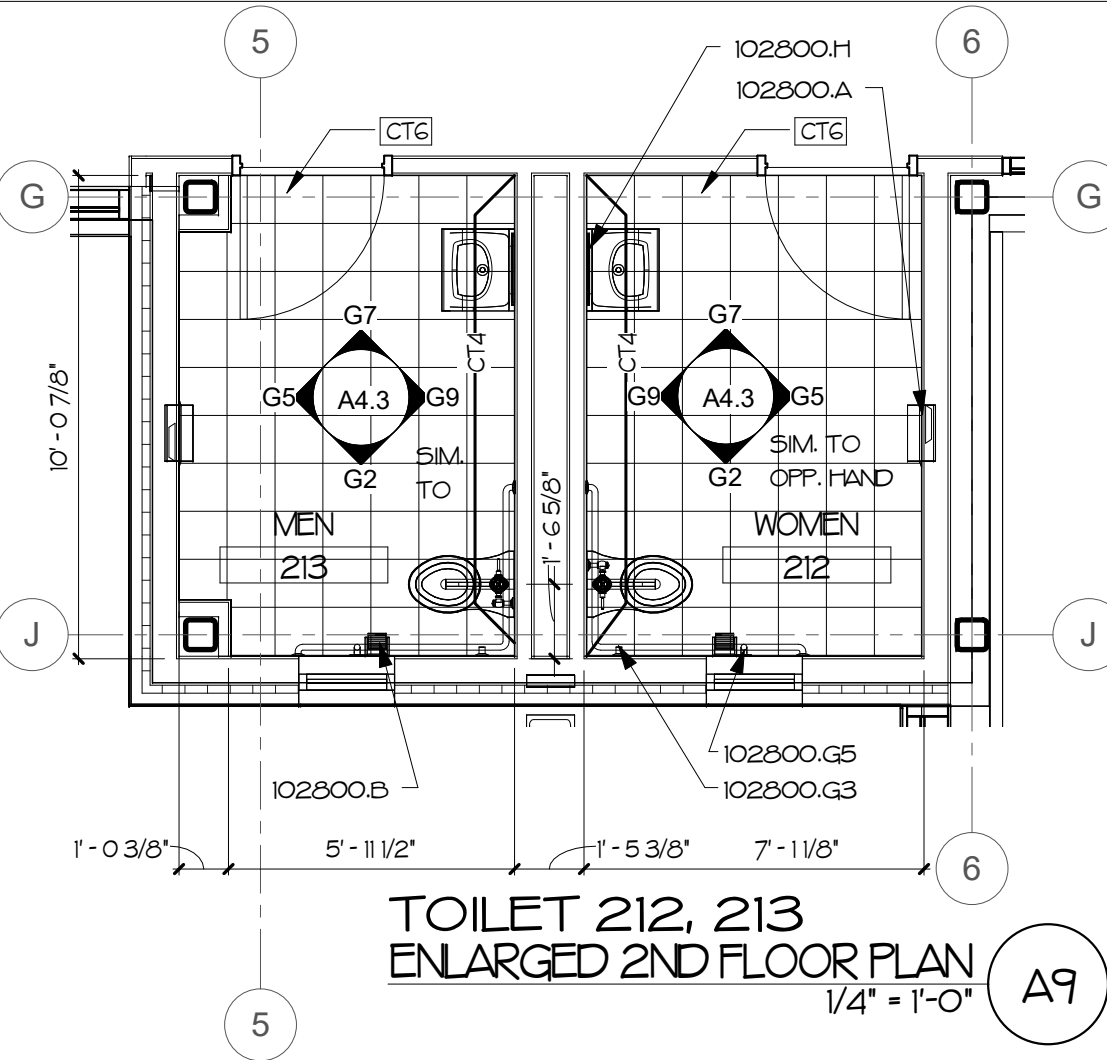
STAIR "A" ENLARGED 1ST FLOOR PLAN  
1/4" = 1'-0" A3



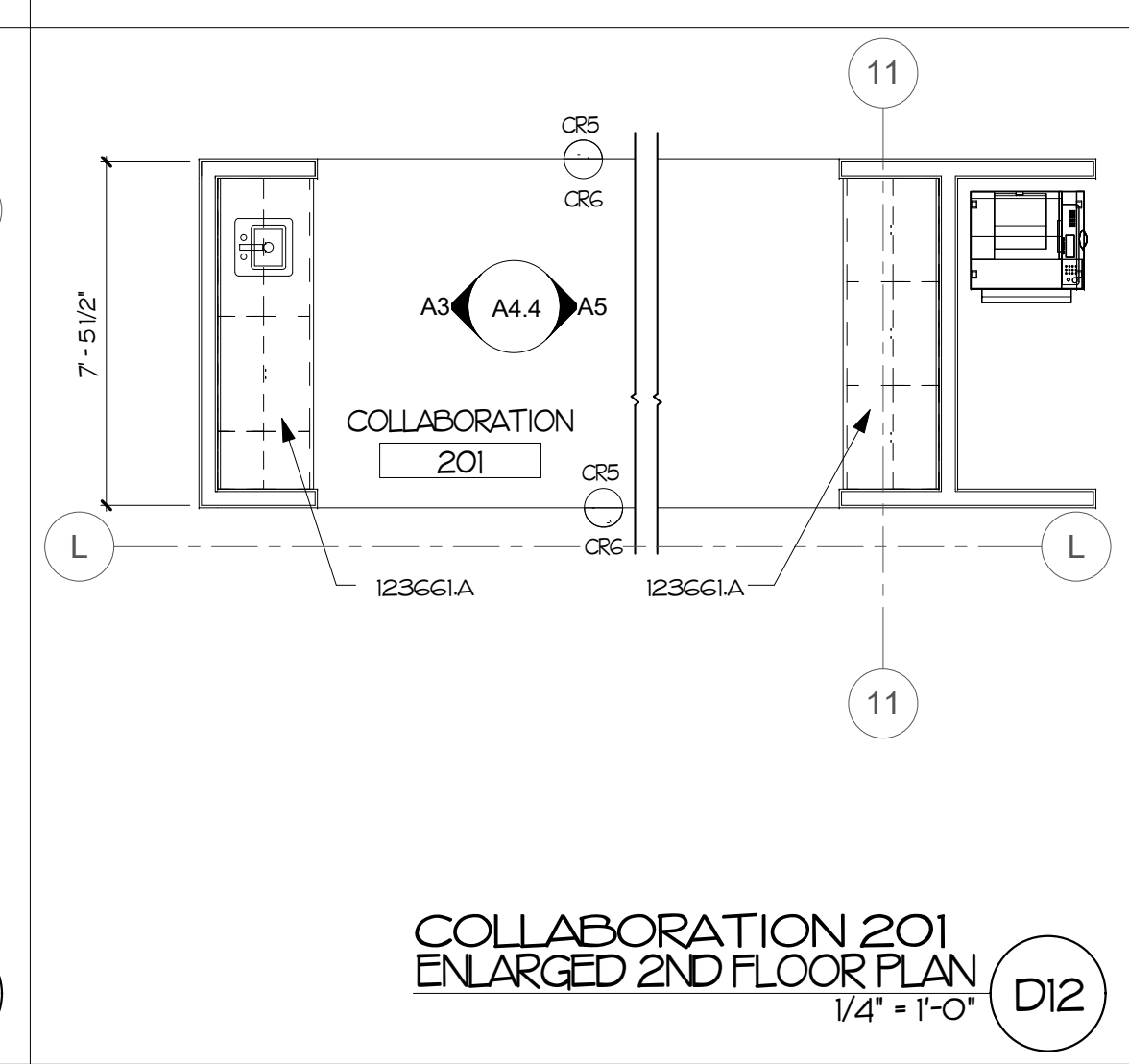
WORKROOM 130 ENLARGED 1ST FLOOR PLAN  
1/4" = 1'-0" A6



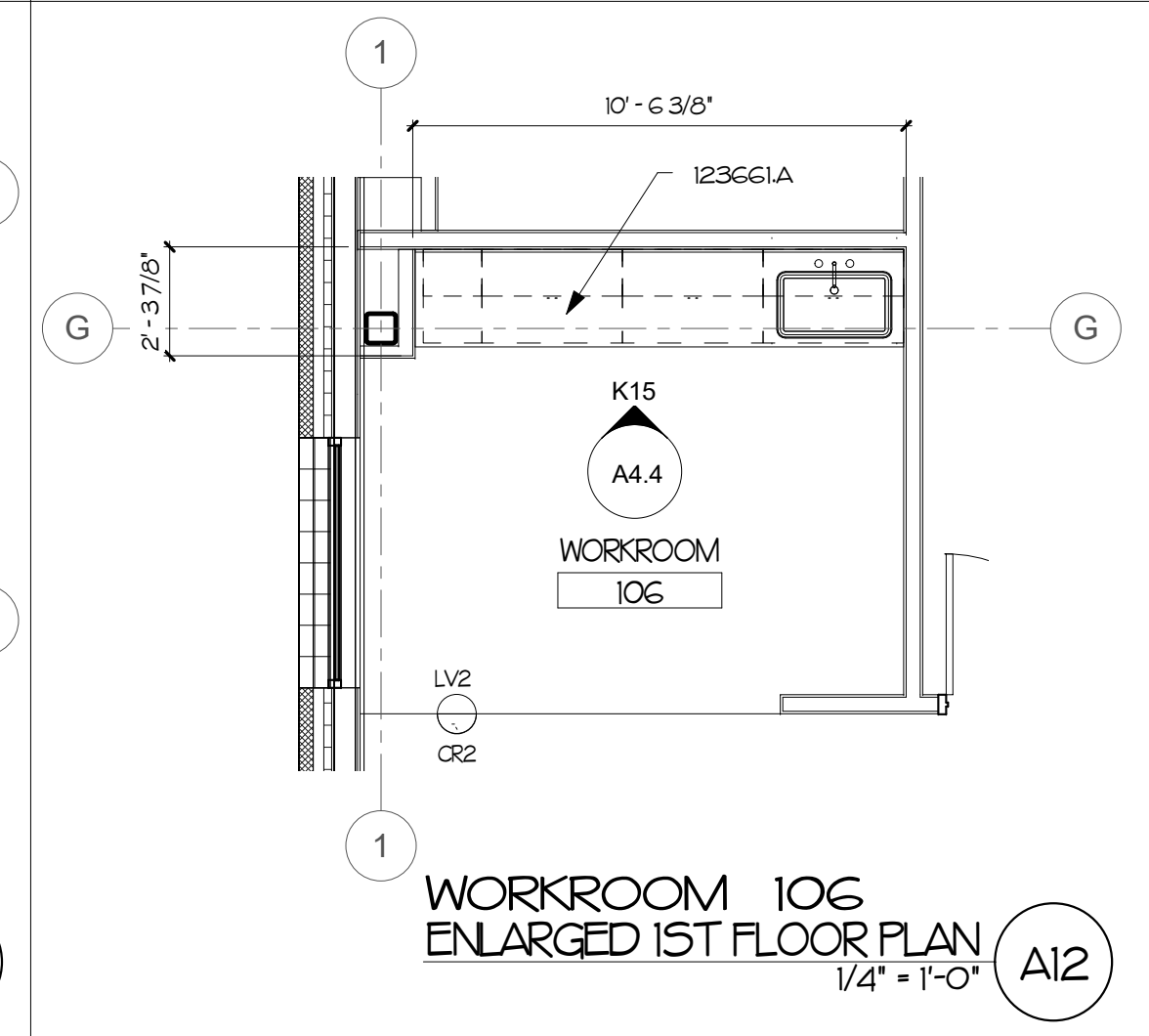
WORKROOM 227 ENLARGED 2ND FLOOR PLAN  
1/4" = 1'-0" D6



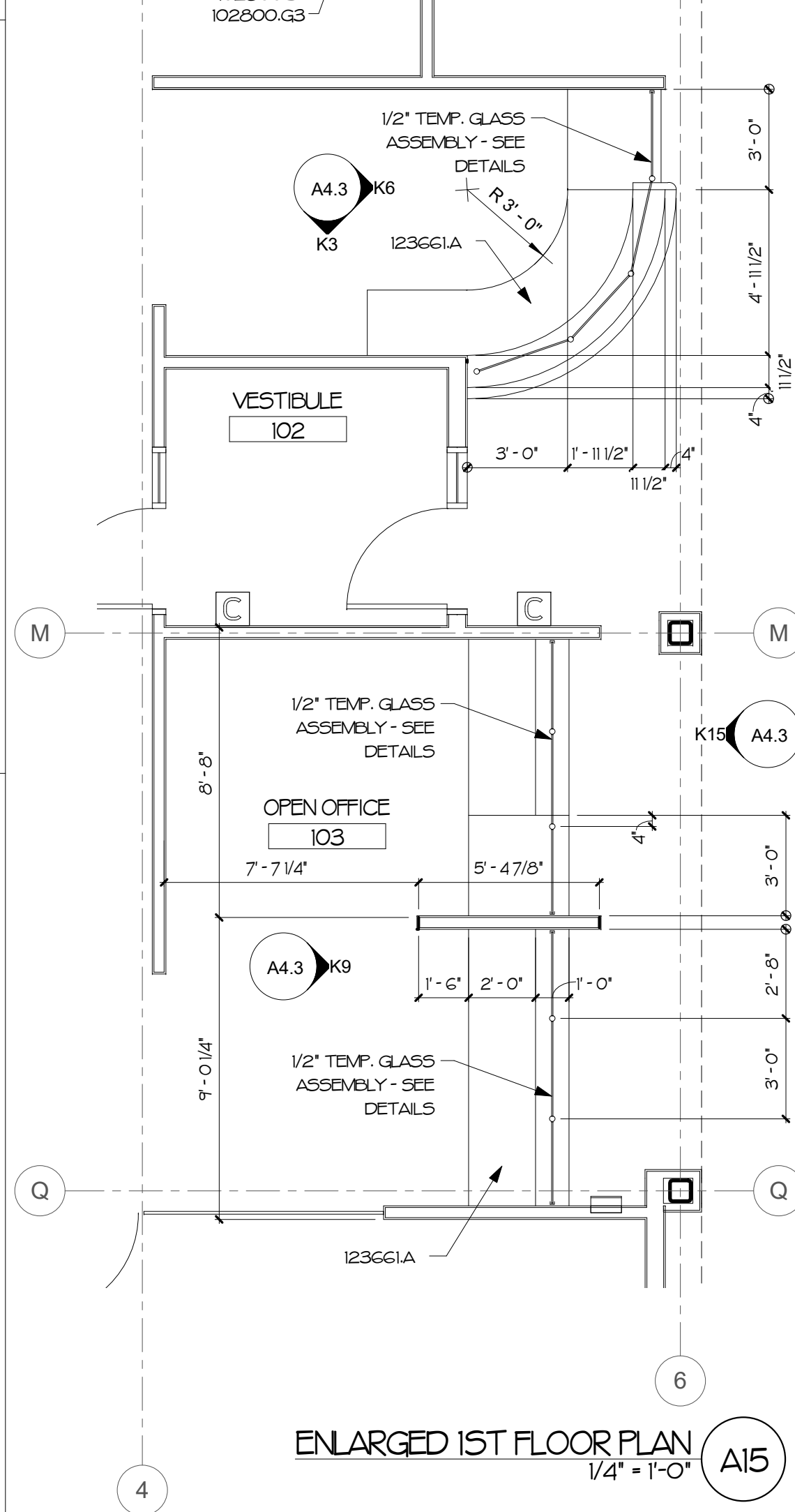
TOILET 212, 213 ENLARGED 2ND FLOOR PLAN  
1/4" = 1'-0" A9



COLLABORATION 201 ENLARGED 2ND FLOOR PLAN  
1/4" = 1'-0" D12



WORKROOM 106 ENLARGED 1ST FLOOR PLAN  
1/4" = 1'-0" A12



ENLARGED 1ST FLOOR PLAN  
1/4" = 1'-0" A15

**MATERIALS KEYING LEGEND**

102800.A	TOWEL DISPENSER/WASTE RECEPTACLE
102800.B	TOILET TISSUE DISPENSER
102800.G3	42x54 GRAB BAR
102800.G5	18" VERT. GRAB BAR
102800.H	MIRROR UNIT, 12x32 MOUNT 40" MAX TO REFLECTING SURFACE
104413.A	SEM-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" A.F.F.
104416.A	FIRE EXTINGUISHER
113013.A	EXHAUST HOOD
113013.A2	30" RANGE/OVEN
113013.E	DISHWASHER
123661.A	SIMULATED STONE COUNTERTOP

**GENERAL NOTES**

1. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNLESS INDICATED OTHERWISE.

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
REVISION	DATE

JOHN K. FARKAS  
REGISTERED ARCHITECT  
9/15/2023  
5822  
GREENVILLE, NC

**JKF**  
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

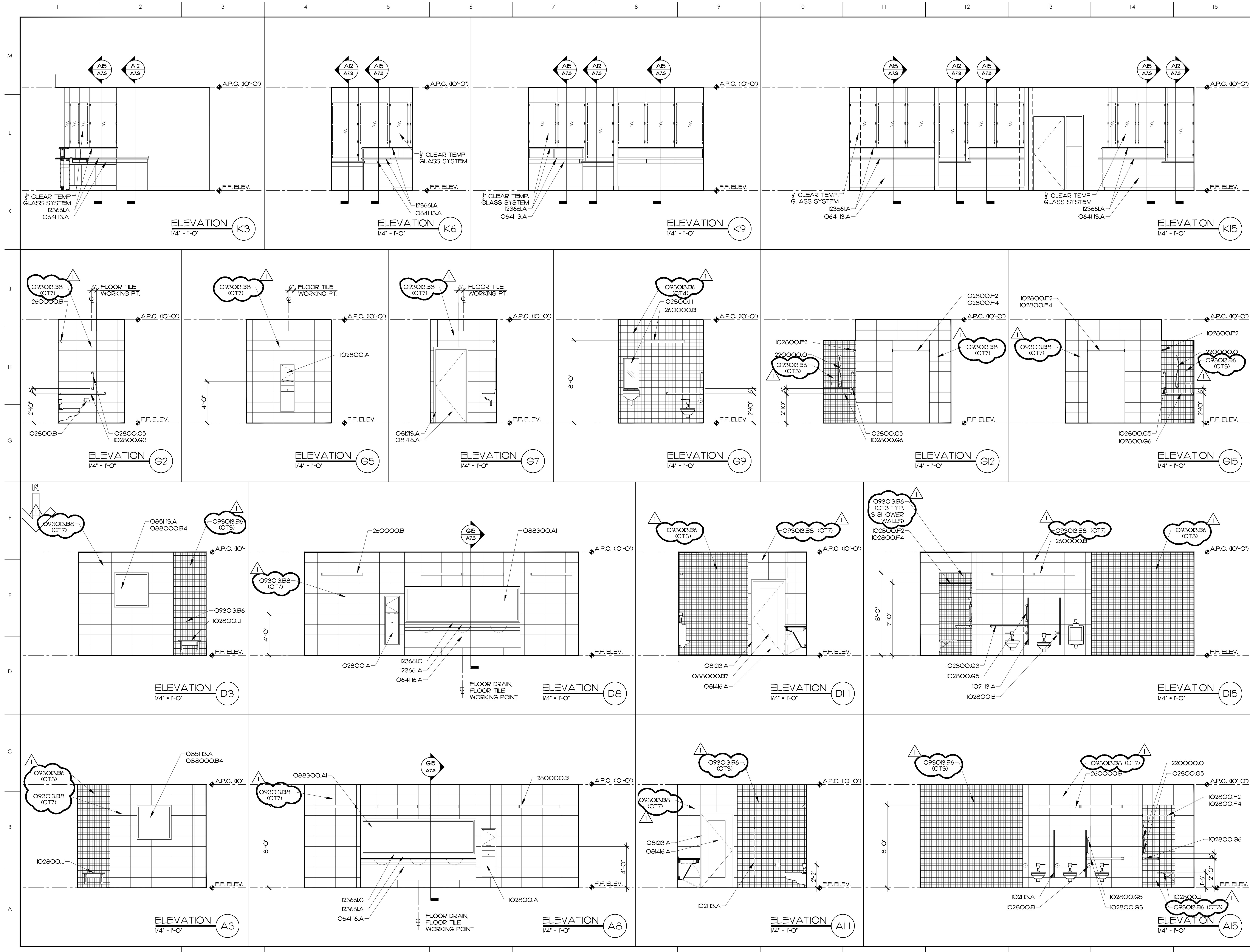
STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC

DRAWING TITLE  
ENLARGED FLOOR PLANS

SCALE	1/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

**A4.2**





**MATERIALS KEYING LEGEND**

- 0641 13.A - WOOD-VENEER-FACED CABINETS
- 0641 16.A - PLASTIC LAMINATE CABINETS
- 081213.A - HOLLOW METAL FRAME
- 081416.A - SOLID CORE WOOD DOOR, FLUSH
- 0851 13.A - ALUMINUM WINDOW ASSEMBLY
- 088300.A1 - 1/4" GLASS MIRROR
- 088000.B4 - 1" INSULATING GLASS-LOW E, FROSTED
- 088000.B7 - 1/4" TEMPERED GLASS, FROSTED
- 093013.B6 - CERAMIC TILE, MOSAIC
- 093013.B8 - CERAMIC TILE, 12X24
- 1021 13.A - TOILET COMPARTMENT
- 102800.A - TOWEL DISPENSER/WASTE RECEPTACLE
- 102800.B - TOILET TISSUE DISPENSER
- 102800.F2 - SHOWER CURTAIN ROD
- 102800.F4 - SHOWER CURTAIN
- 102800.G3 - 42X54 GRAB BAR
- 102800.G5 - 18" VERT. GRAB BAR
- 102800.G6 - 18"X32" GRAB BAR
- 102800.H - MIRROR UNIT, 18X32 (MOUNT 40" MAX. TO REFLECTING SURFACE)
- 102800.J - FOLDING SHOWER SEAT
- 123661.A - SIMULATED STONE COUNTERTOP
- 123661.C - SIMULATED STONE BACKSPASH
- 220000.0 - SHOWER HEAD ASSEMBLY W/6" HAND-HELD HEAD
- 260000.B - INTERIOR LIGHT FIXTURE

- GENERAL NOTES**
- INTERIOR DIMENSIONS ARE TO FACE OF STUD UNO. W/ DOT LEADER + (FINISH)
  - CERAMIC TILE WALLS, ALIGN WALL JOINTS WITH FLOOR GROUT JOINTS (TYP.)
  - UNO. WALL TILE TO BE (CT7)

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
NO REVISION	DATE

**JOHN K. FARKAS**  
REGISTERED ARCHITECT  
5322  
John K. Farkas  
311 W. WESSLEY

**JKF**  
ARCHITECTURE

625 LYNNDALE CT., SUITE F, GREENVILLE, NC 27638 252-355-1048

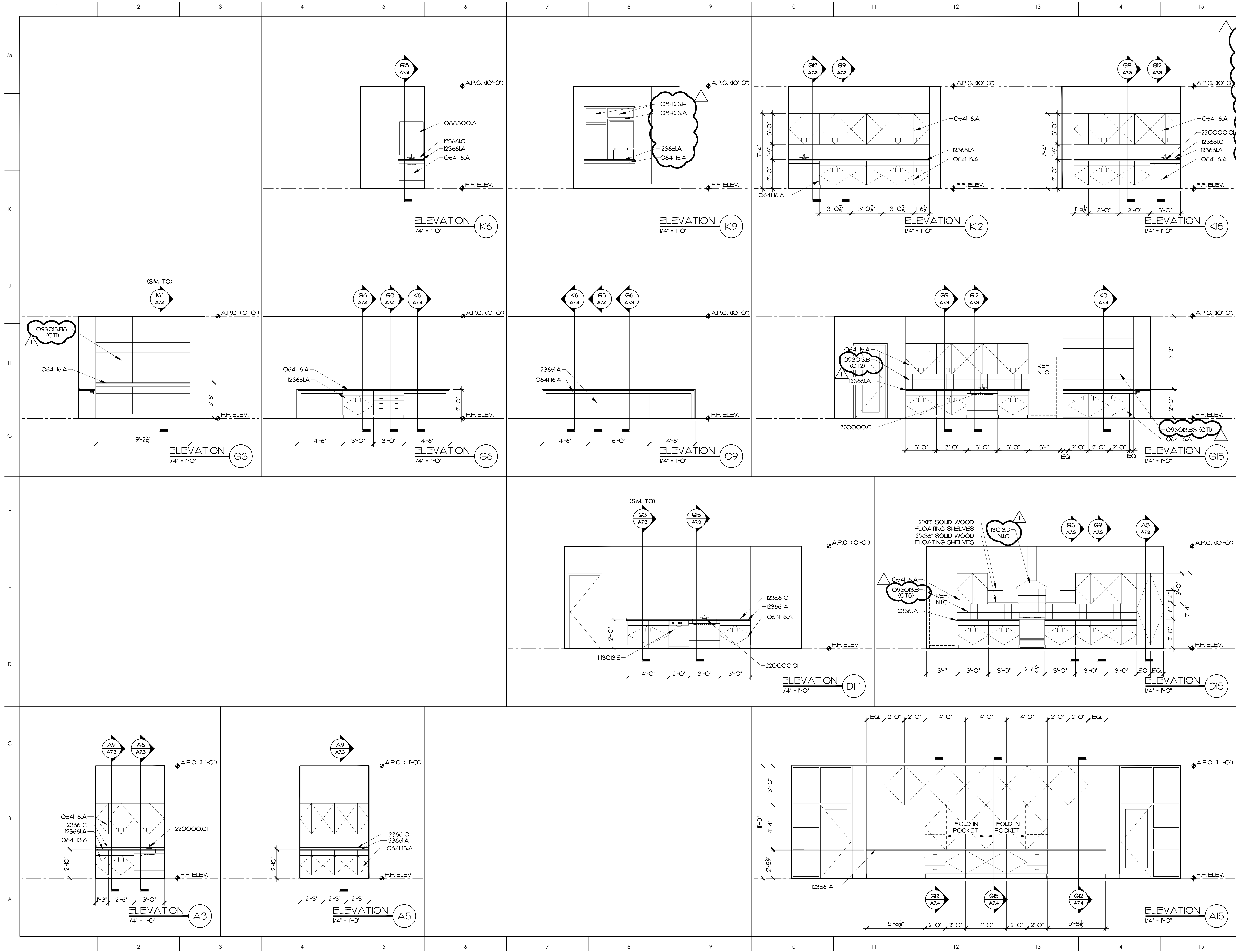
**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CLINTON, NC

DRAWING TITLE  
**INTERIOR ELEVATIONS**

SCALE	1/4" = 1'-0"	DRAWING NO.	
DRAWN	MCZ	<b>A4.3</b>	
CHECKED	JKF		
DATE	7-15-2023		
PROJECT NO.	2022-17		

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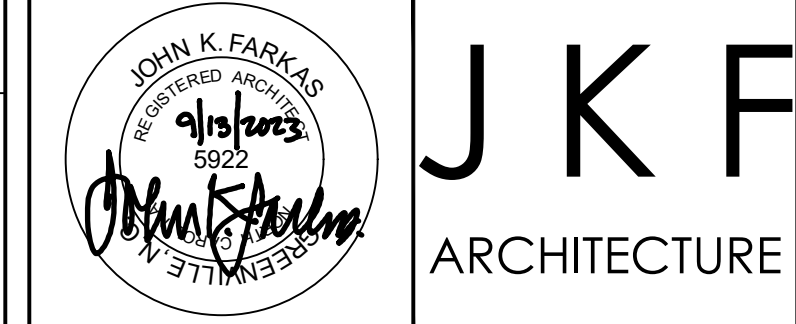


- MATERIALS KEYING LEGEND**
- O641 13.A - WOOD-VENEER-FACED CABINETS
  - O641 16.A - PLASTIC LAMINATE CABINETS
  - O84213.A - STOREFRONT FRAMING, HERMALLY BROKEN
  - O84213.H - 1" INSULATED METAL PANEL
  - O88300.A1 - 1/4" GLASS MIRROR
  - O93013.B - CERAMIC TILE
  - O93013.B8 - CERAMIC TILE, 12X24
  - I13013.D - ELECTRIC STOVETOP W/DOWNDRAFT VENTILATION
  - I13013.E - DISH-WASHER
  - I23661.A - SIMULATED STONE COUNTERTOP
  - I23661.C - SIMULATED STONE BACKSPLASH
  - 220000.C1 - STAINLESS STEEL SINK, 1-COMPARTMENT

- GENERAL NOTES**
1. INTERIOR DIMENSIONS ARE TO FACE OF STUD UNO. W/ DOT LEADER ← (FINISH)
  2. CERAMIC TILE WALLS, ALIGN WALL GROUT JOINTS WITH FLOOR GROUT JOINTS (TYP.)

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
NO. REVISION	DATE

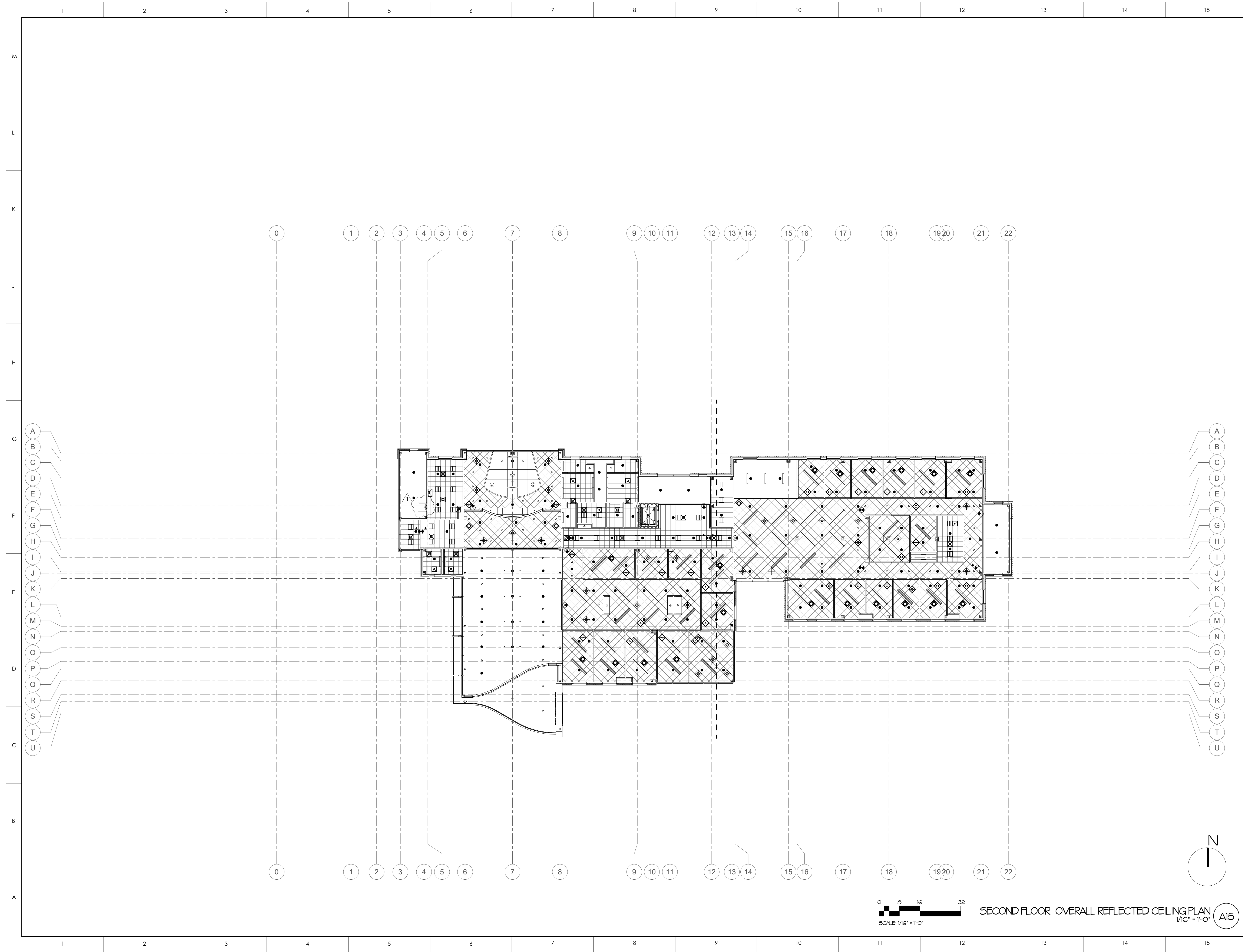


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**STAR COMMUNICATIONS  
NEW HEADQUARTERS**  
CLINTON, NC

**INTERIOR ELEVATIONS**

SCALE	1/4" = 1'-0"	DRAWING NO.	<b>A4.4</b>
DRAWN	MCZ		
CHECKED	JKF		
DATE	7-15-2023		
PROJECT NO.	2022-17		



**MATERIALS KEYING LEGEND**

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**GENERAL NOTES**

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**KEY PLAN**

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ADDENDUM NO. 1	9-12-2023
REVISION	DATE



## JKF

ARCHITECTURE

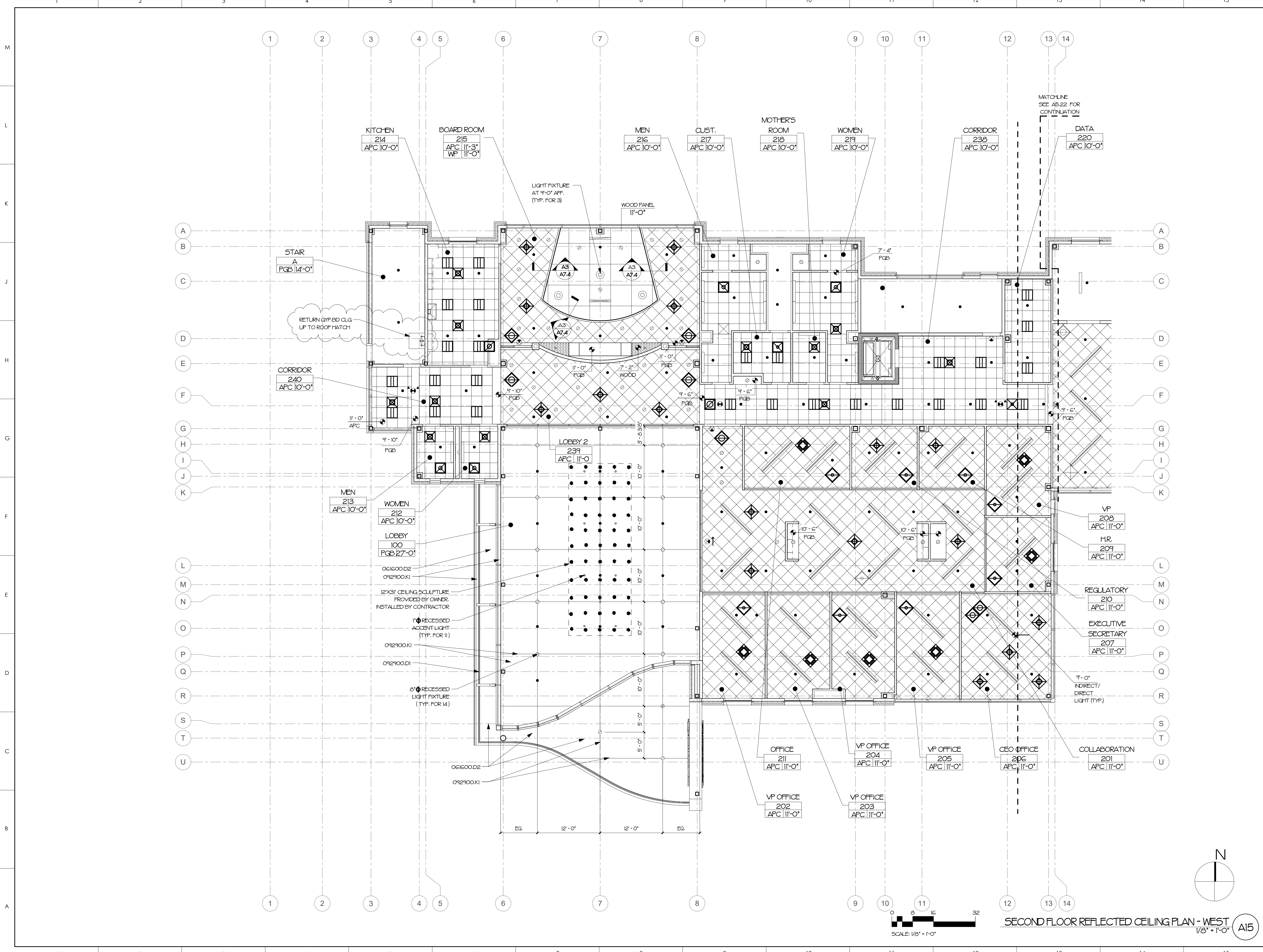
625 LYNDALE CT., SUITE F, GREENVILLE NC 27838 252-355-1068

**STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON NC**

DRAWING TITLE: **SECOND FLOOR  
OVERALL REFLECTED CEILING PLAN**

SCALE	1/16" = 1'-0"	<b>A5.2</b>
DRAWN	MED	
CHECKED	JKF	
DATE	7-15-2023	
PROJECT NO.	2022-17	

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**MATERIALS KEYING LEGEND**

061600.D2	GLASS-MAT GYPSUM SHEATHING 5/8" THICK
092900.D1	5/8" ACOUSTICALLY ENHANCED GYPSUM BOARD
092900.K1	TRIM REVEAL

GENERAL NOTES

KEY PLAN

ADDENDUM NO. 1	9-12-2023
REVISION	DATE

**JKF**  
ARCHITECTURE

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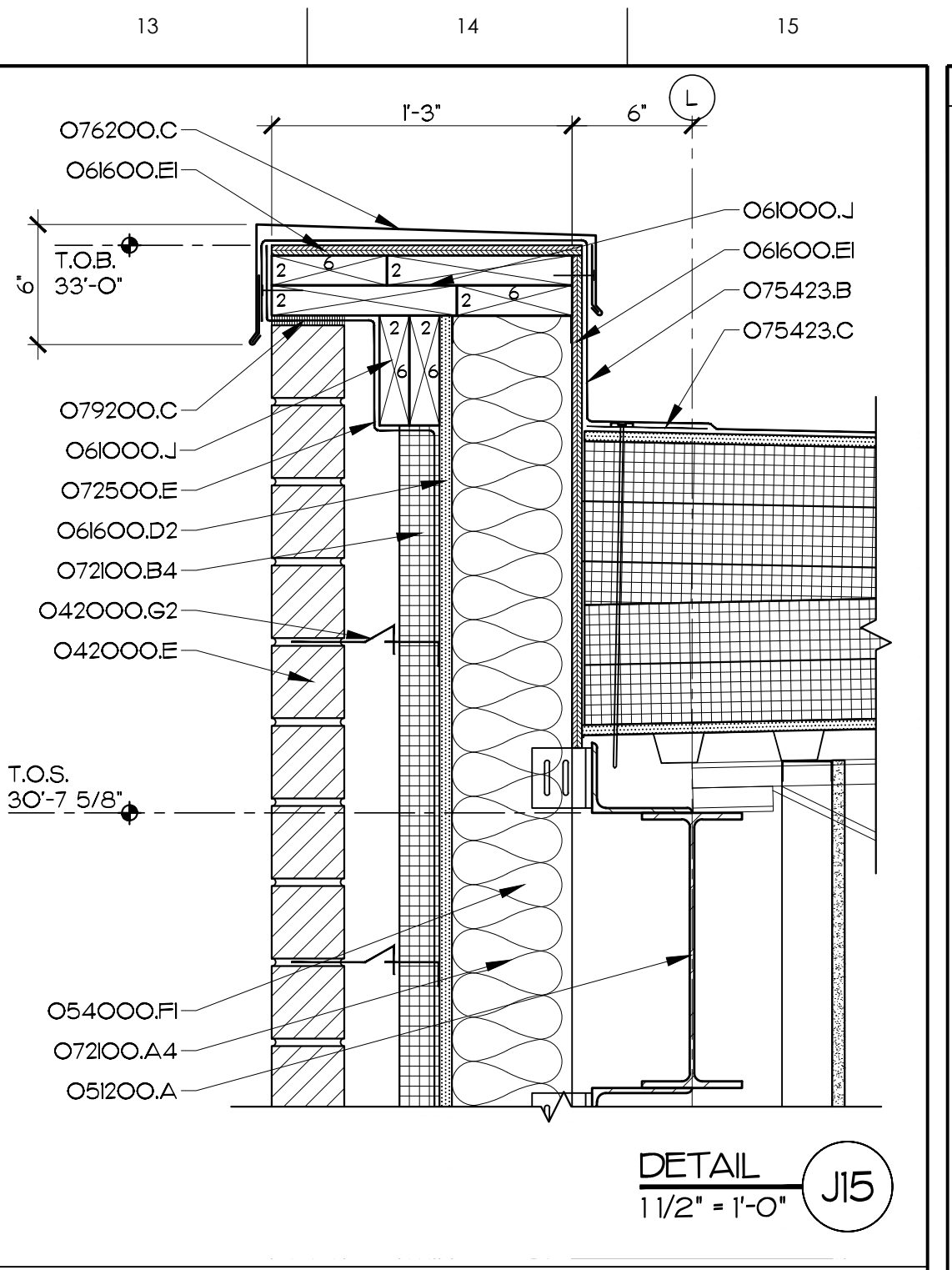
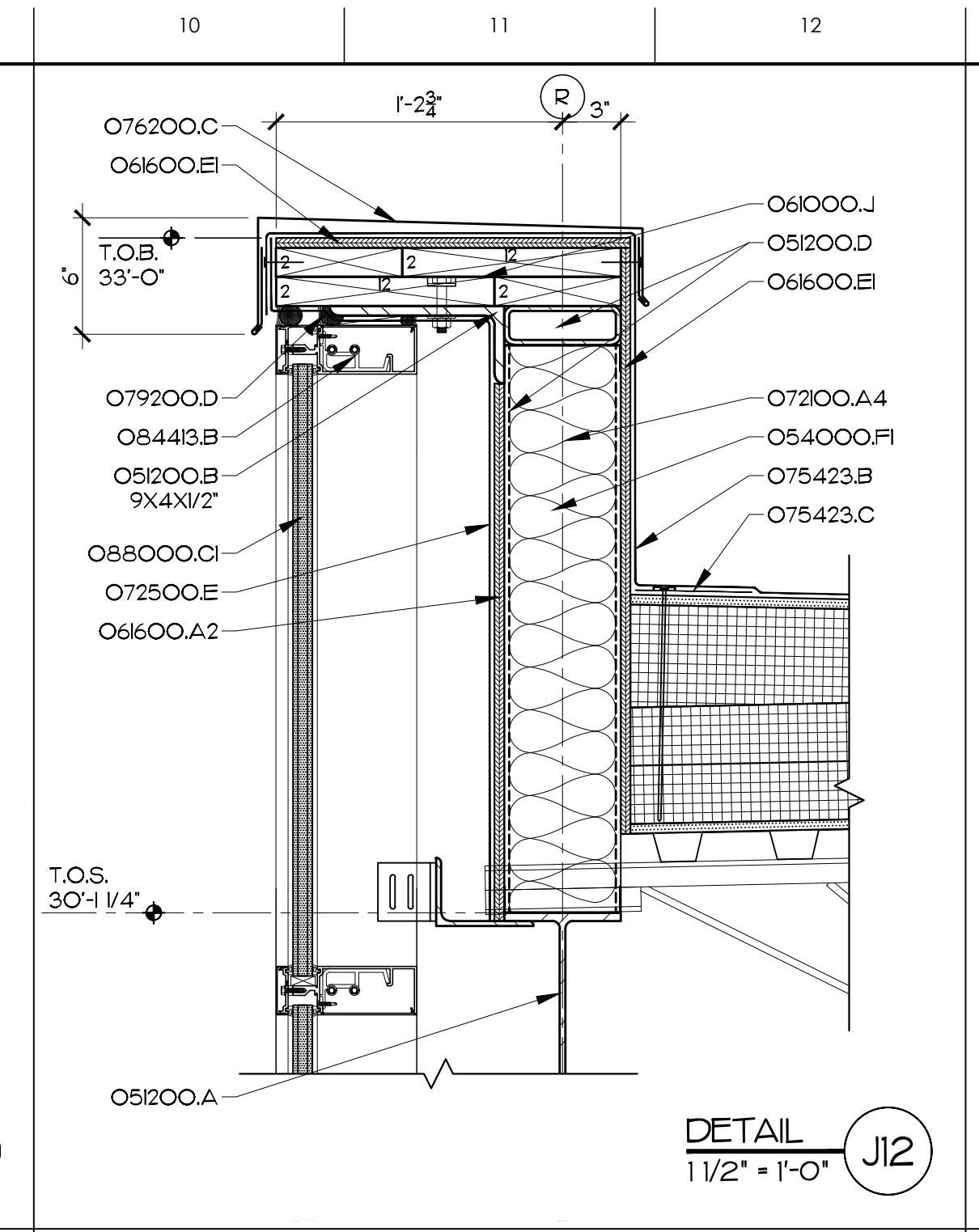
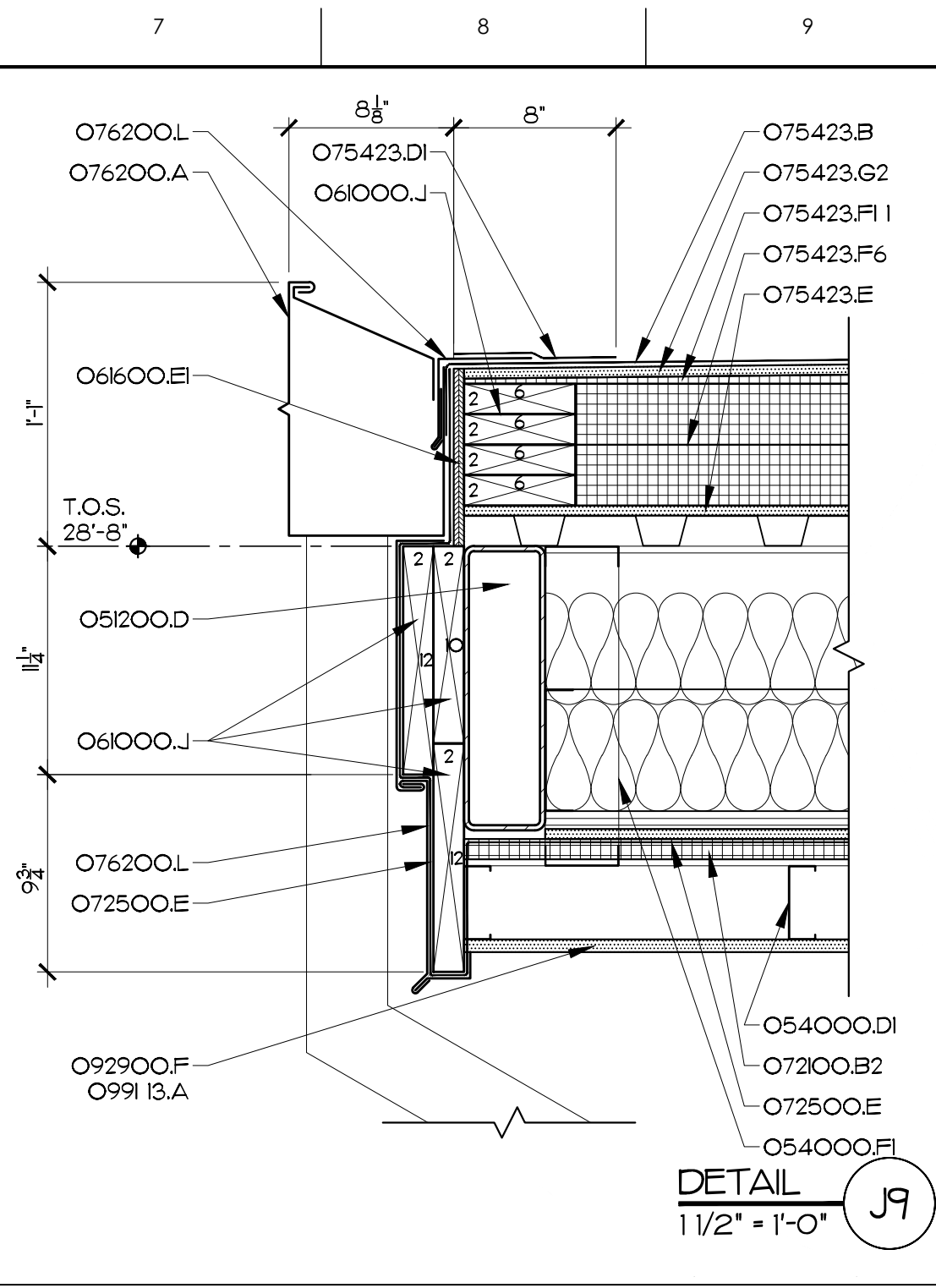
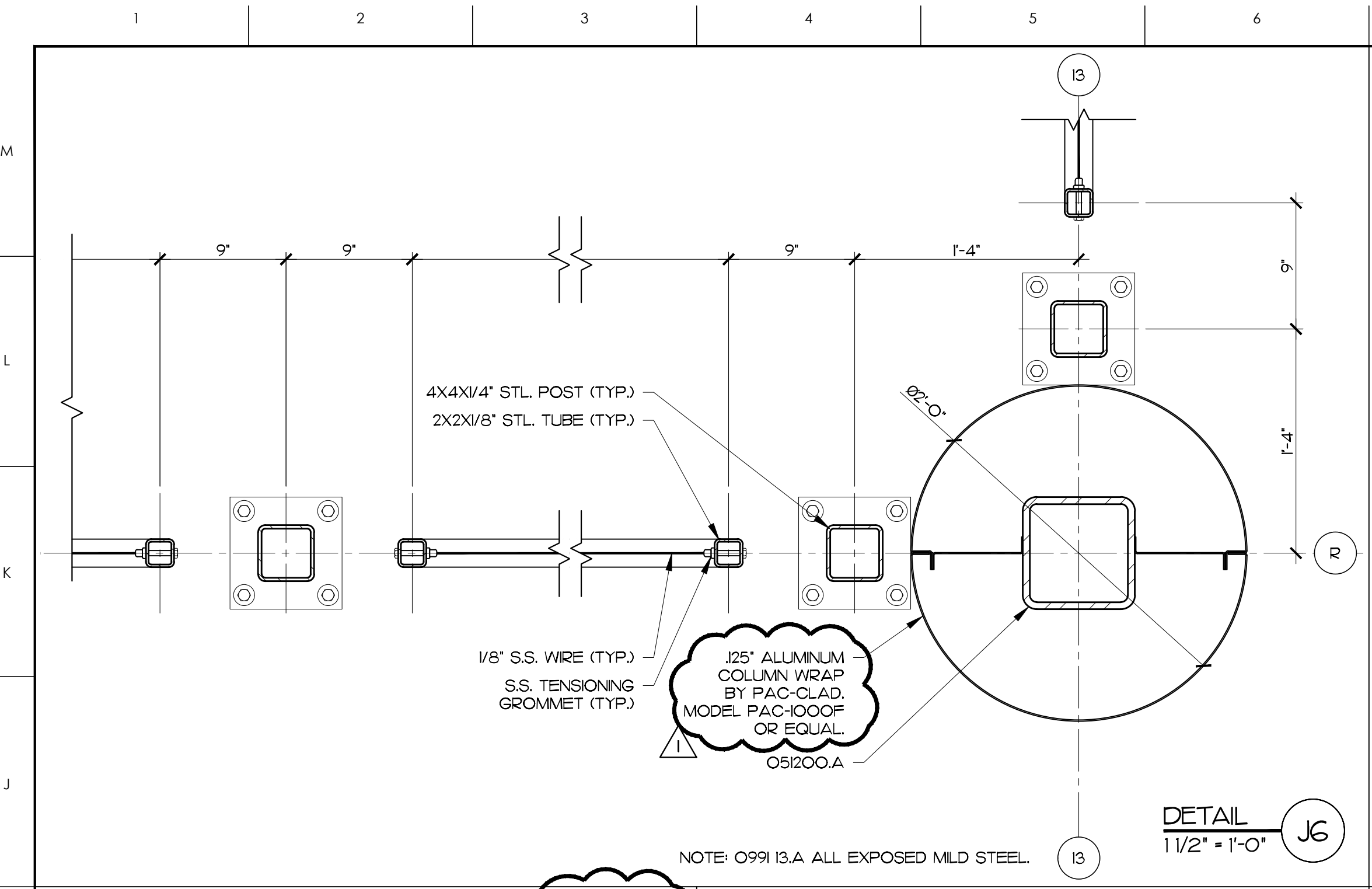
**STAR COMMUNICATIONS  
NEW HEADQUARTERS  
CLINTON, NC**

DRAWING TITLE  
**SECOND FLOOR  
REFLECTED CEILING PLAN - WEST**

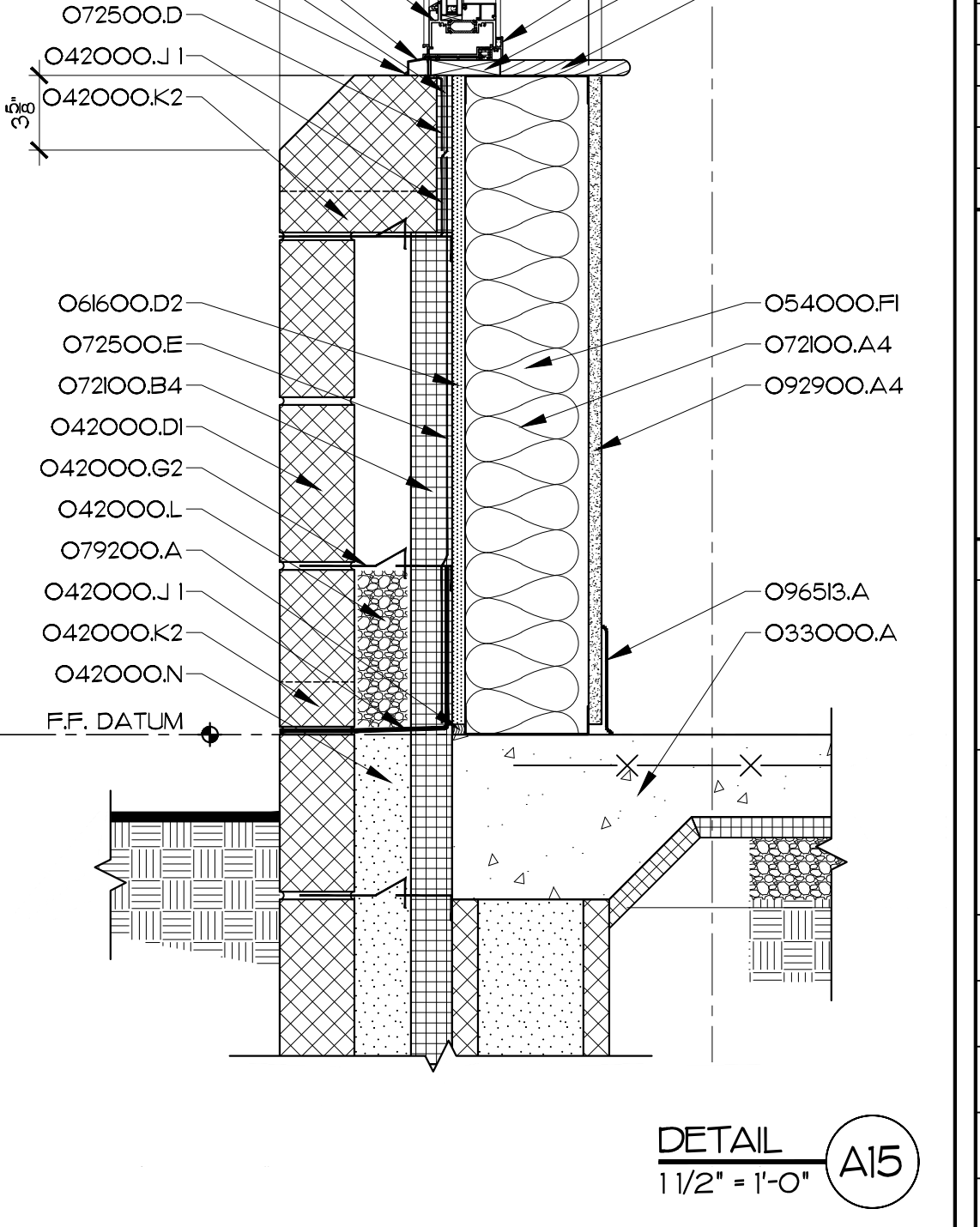
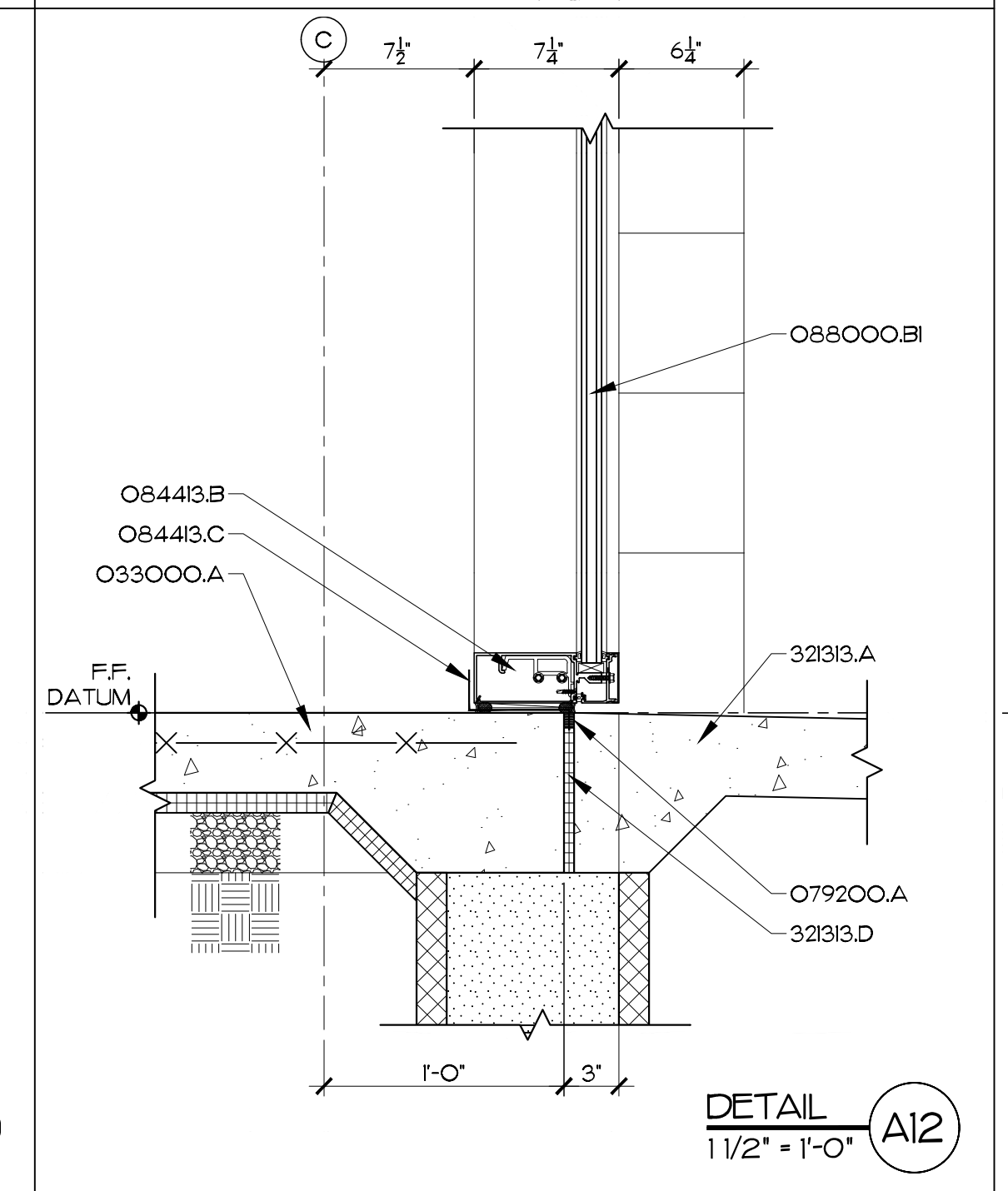
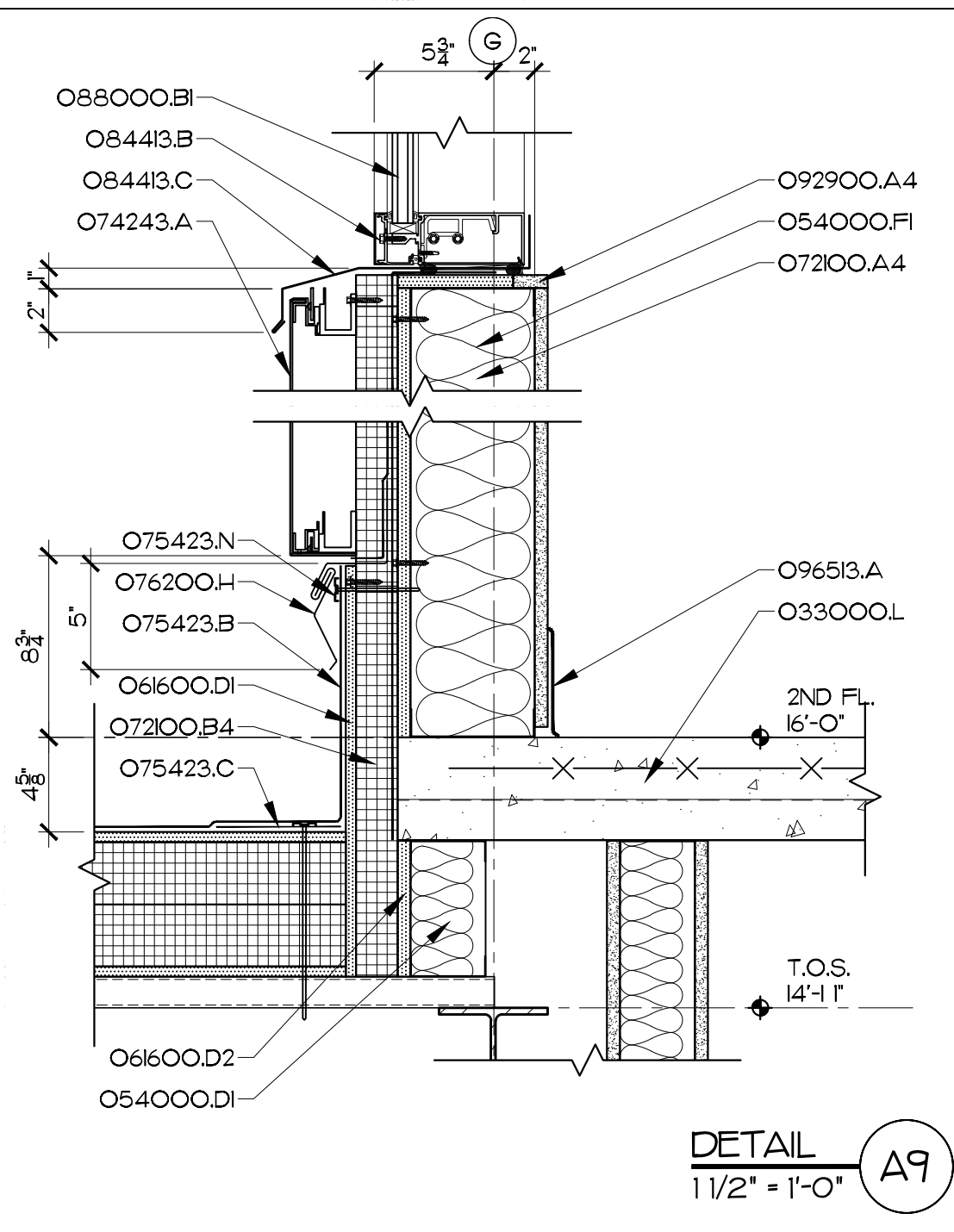
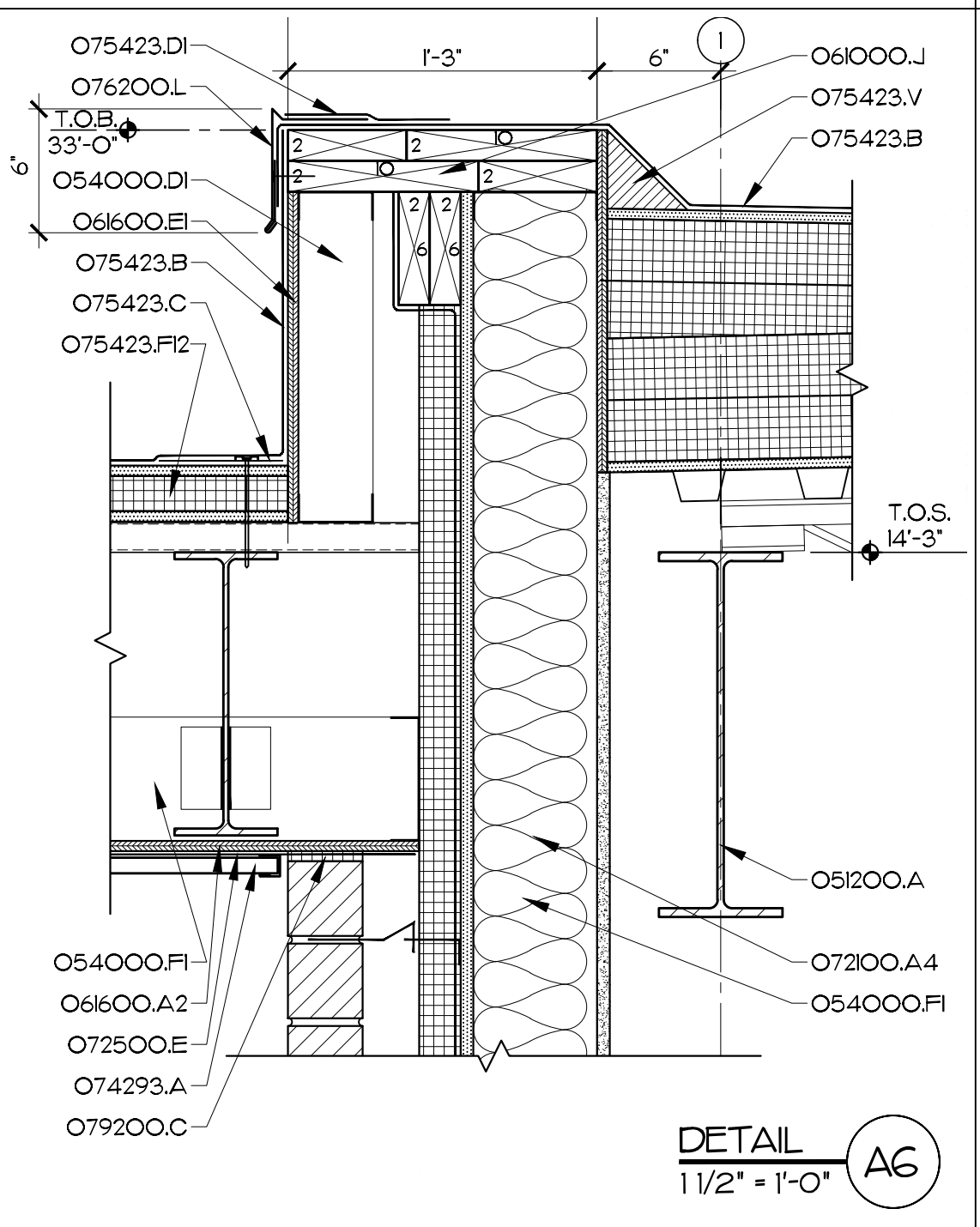
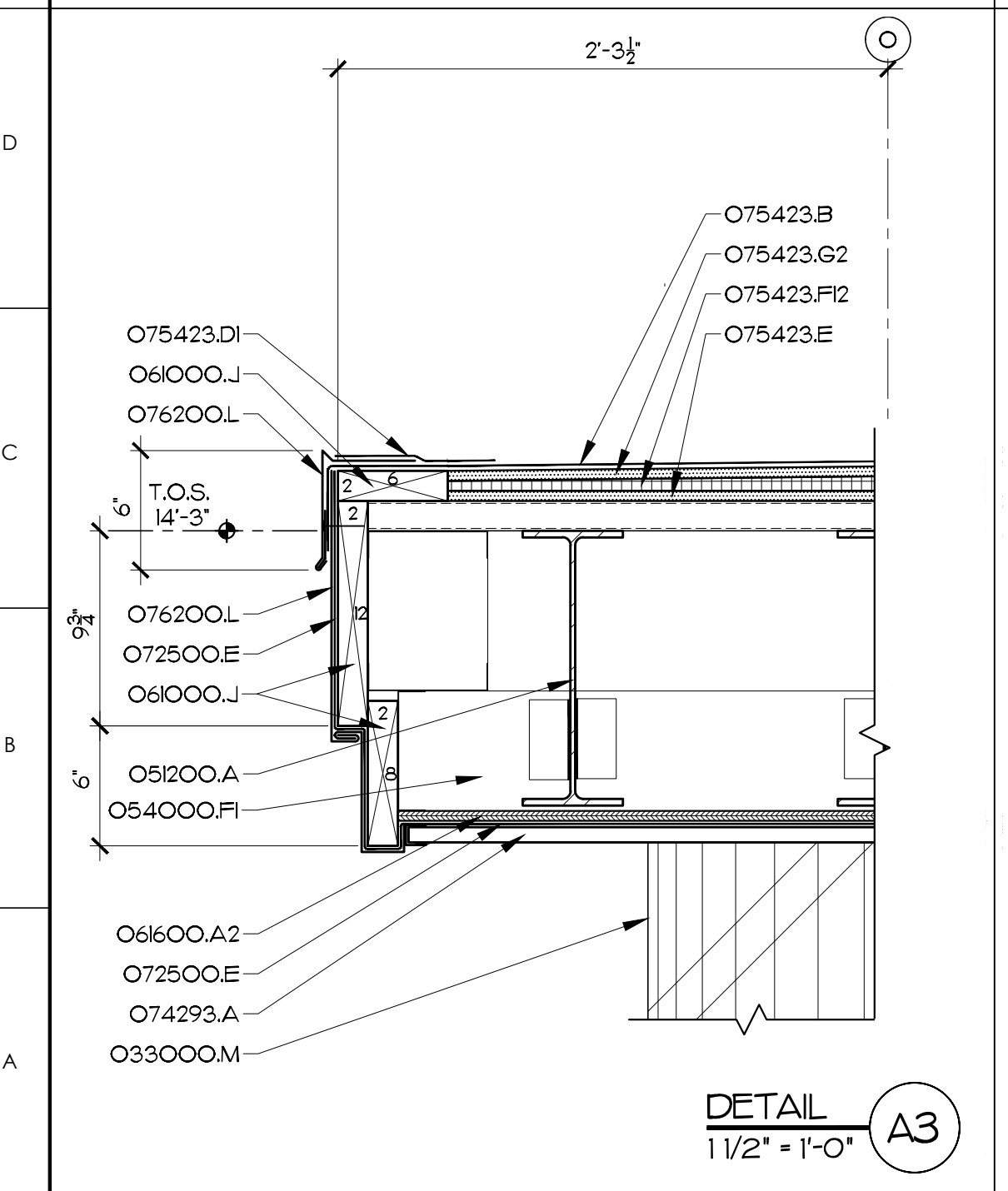
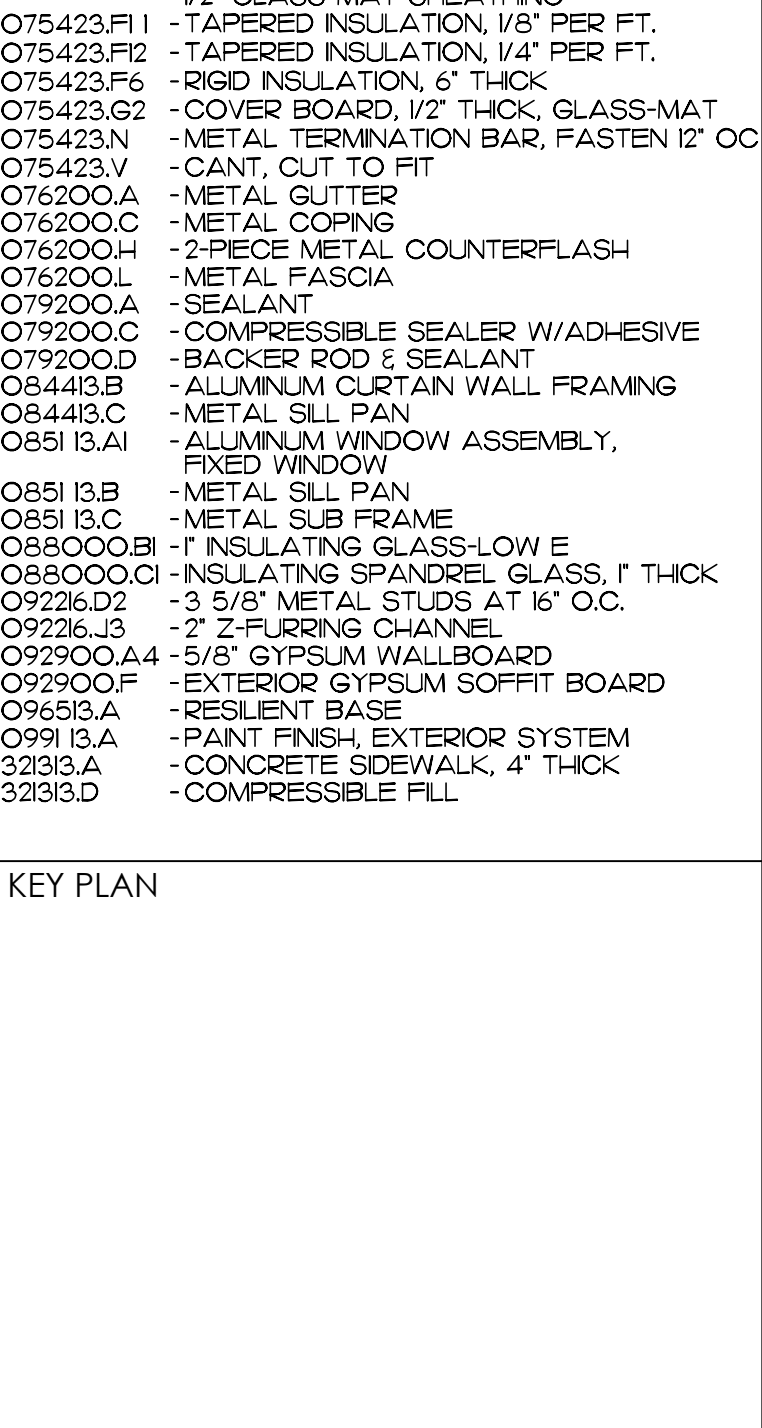
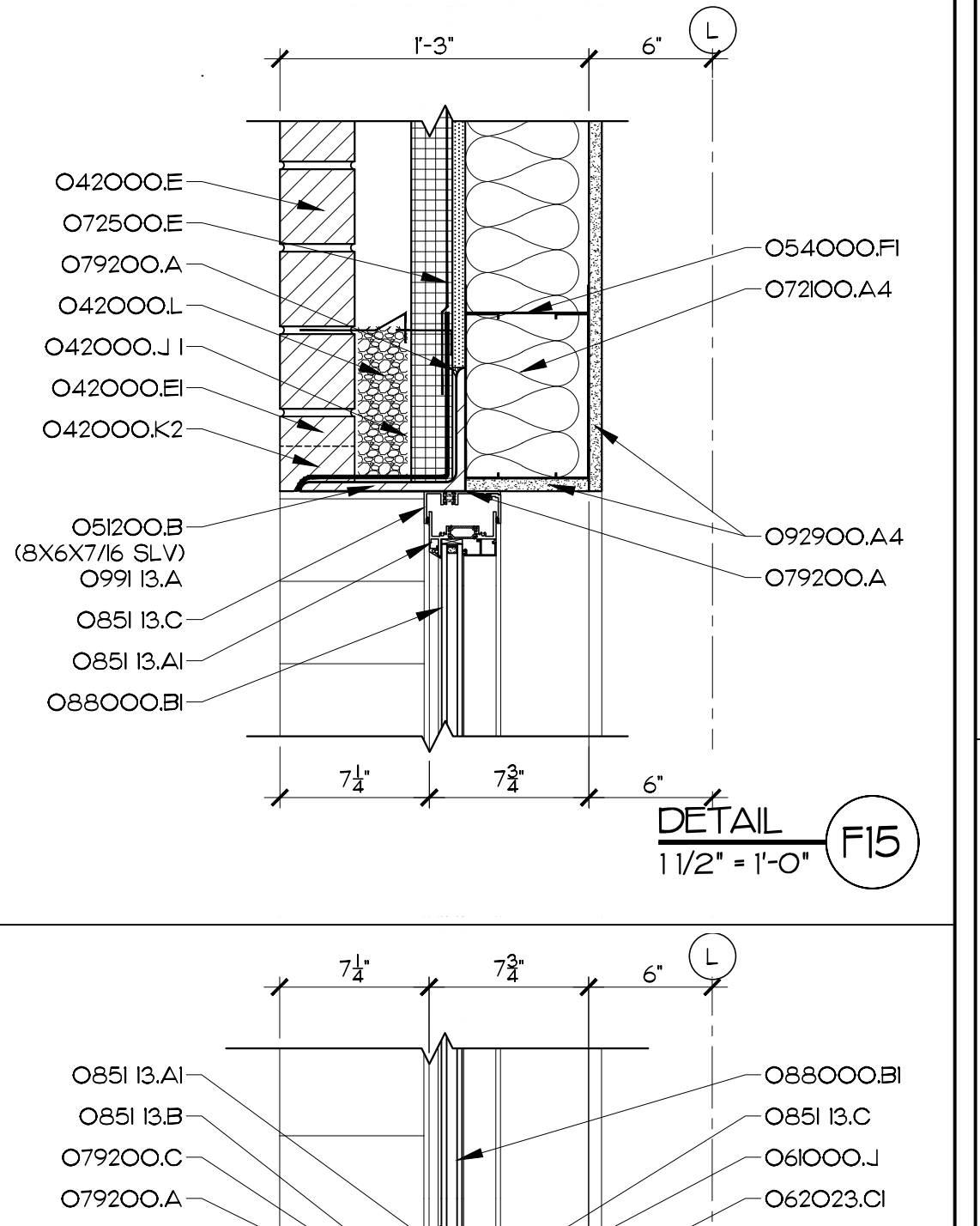
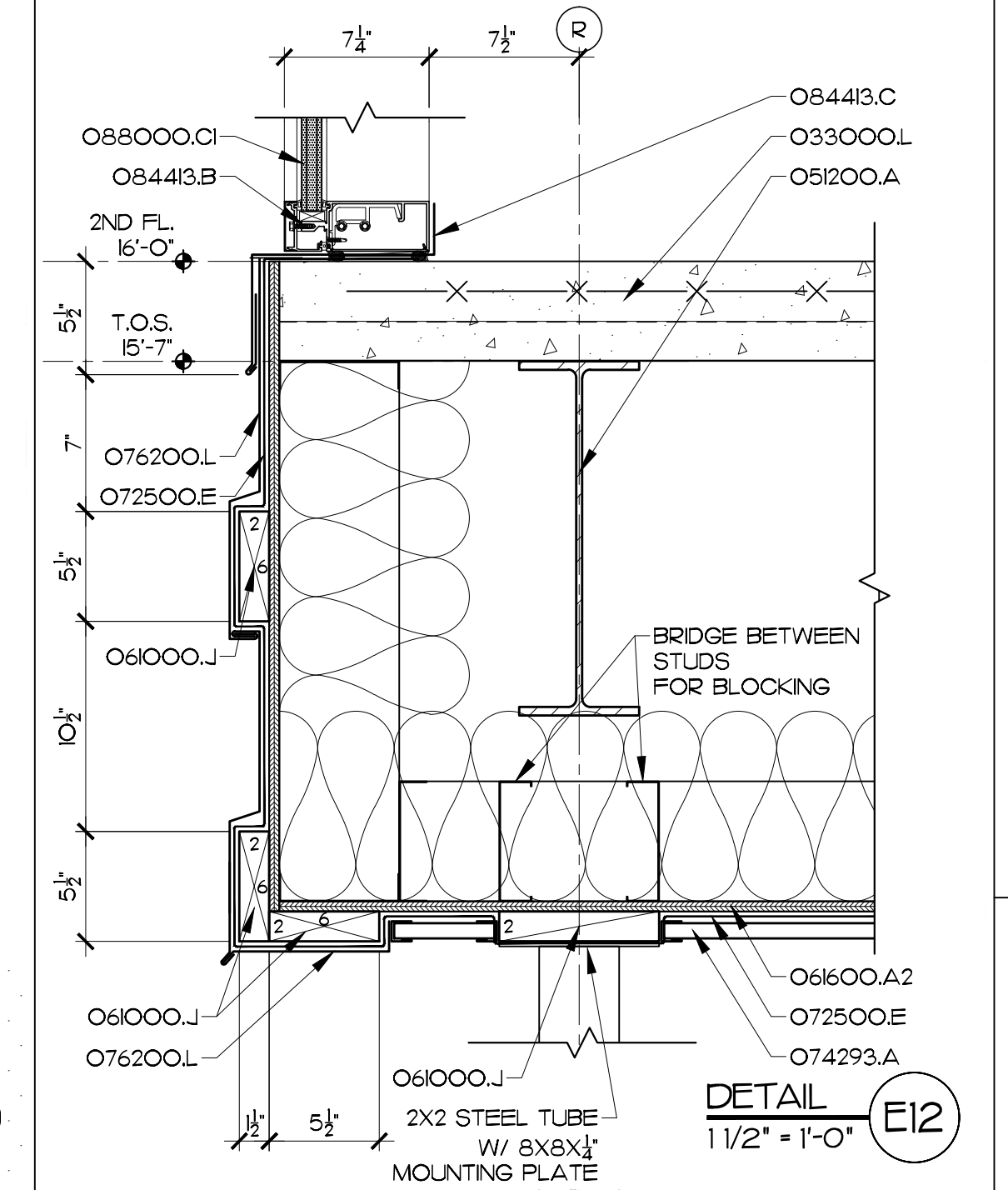
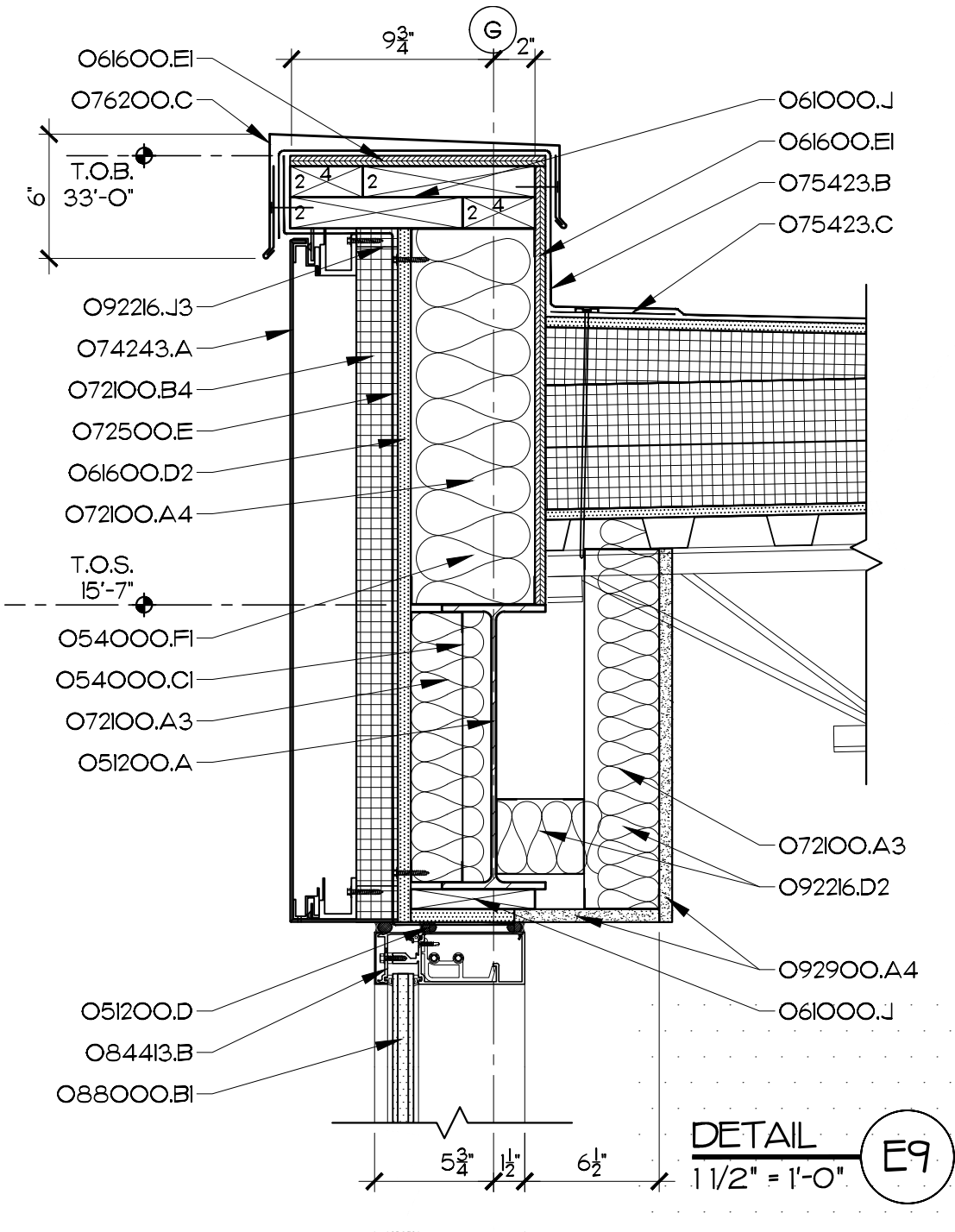
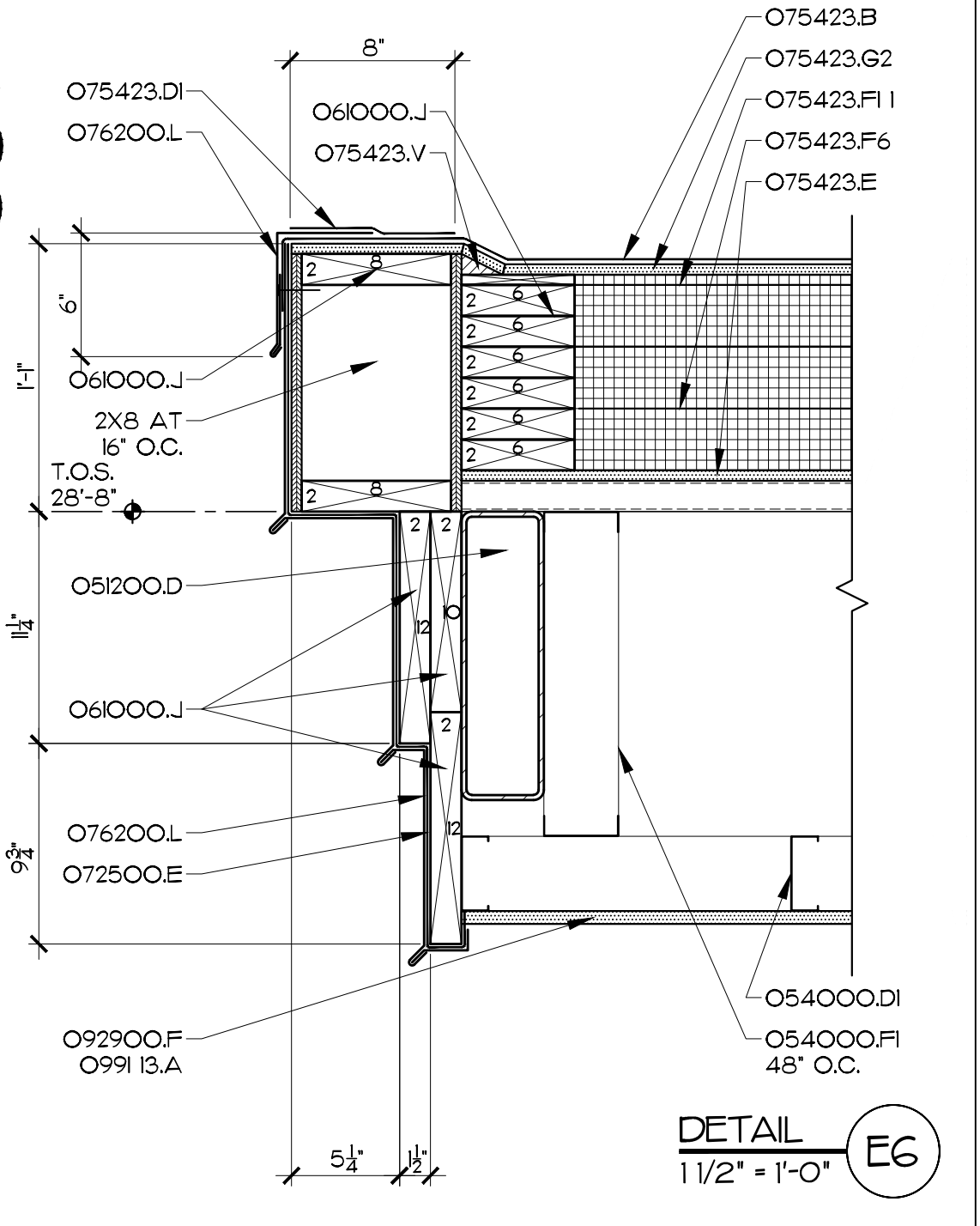
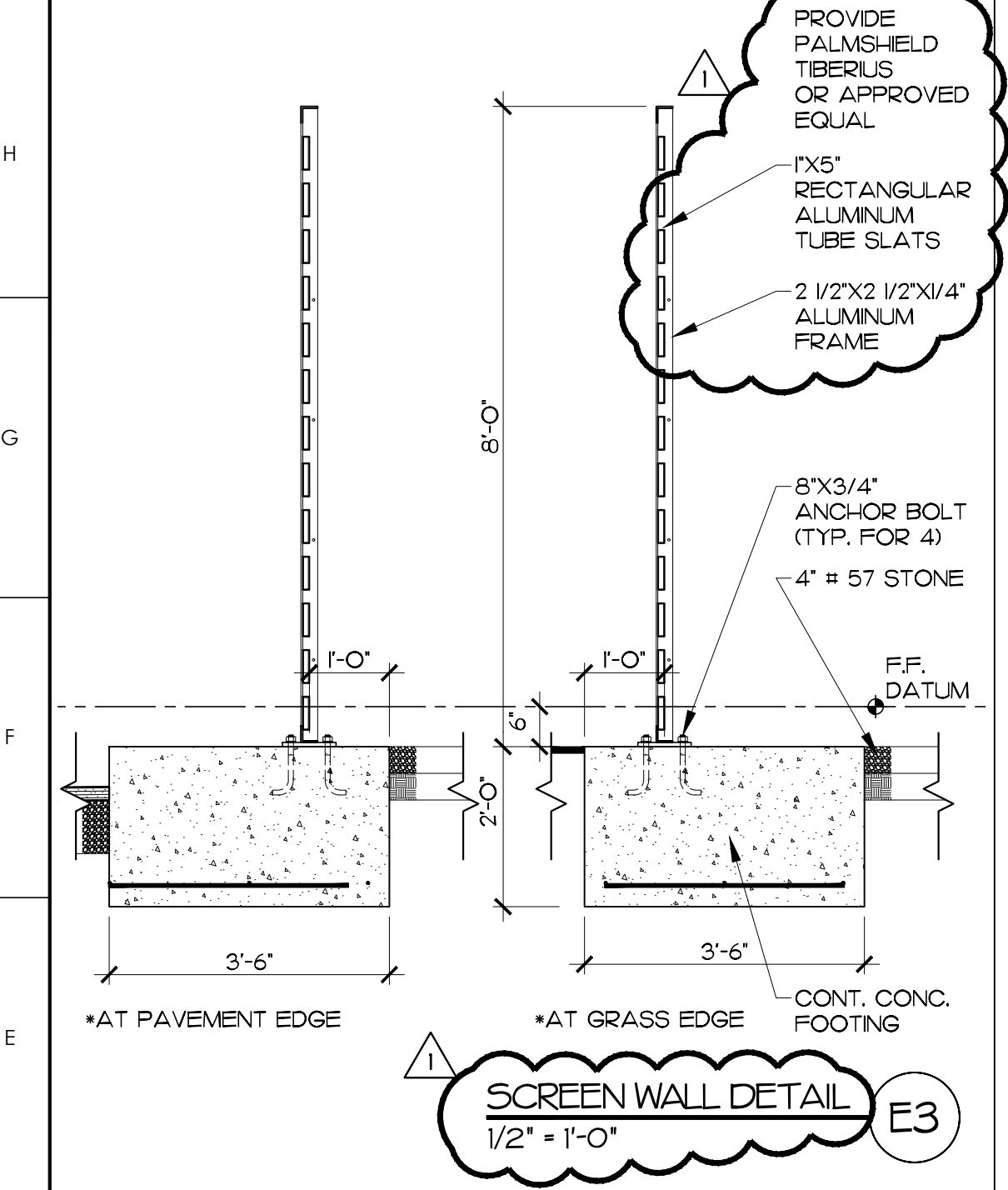
SCALE	1/8" = 1'-0"
DRAWN	MED
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

**A5.21**





- MATERIALS KEYING LEGEND**
- 033000.A - CONCRETE SLAB ON GRADE, SEE STRUCTURAL
  - 033000.L - CONCRETE SLAB ON STEEL DECK, SEE STRUCTURAL
  - 033000.M - CONCRETE SONOTUBE
  - 042000.DI - CONCRETE MASONRY UNIT, DECORATIVE 4"
  - 042000.E - FACE BRICK
  - 042000.EI - FACE BRICK, SHELF BRICK
  - 042000.G2 - ADJ. BRICK TIES AT 16" O.C. 24" O.C. HORIZ.
  - 042000.J - THRU-WALL FABRIC FLASHING
  - 042000.K2 - WEEP SLOTS AT 16" O.C.
  - 042000.L - CAVITY DRAINAGE MATERIAL
  - 042000.N - SCOUT SOLID
  - 052000.A - STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
  - 052000.B - STEEL ANGLE, SIZE AS INDICATED
  - 052000.D - TUBE STEEL, SIZE AS INDICATED
  - 054000.CI - COLD FORMED METAL FRAMING, 2-1/2" STUD AT 16" O.C.
  - 054000.DI - COLD FORMED METAL FRAMING, 3-5/8" STUD AT 16" O.C.
  - 054000.FI - COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
  - 060000.B4 - 2X8
  - 060000.B5 - 2X10
  - 060000.B6 - 2X12
  - 060000.B7 - BLOCKING
  - 060000.J1 - WOOD BLOCKING AS NOTED
  - 066000.A2 - PLYWOOD SHEATHING, 1/2" THICK
  - 066000.DI - GLASS-MAT GYPSUM SHEATHING, 1/2" THICK
  - 066000.D2 - GLASS-MAT GYPSUM SHEATHING, 5/8" THICK
  - 066000.EI - PLYWOOD ROOF SHEATHING, 1/2" THICK
  - 062023.CI - INTERIOR WOOD TRIM, WINDOW SILL, TRANSPARENT FINISH
  - 072000.A3 - R-15 BATT INSULATION
  - 072000.A4 - R-19 BATT INSULATION
  - 072000.B2 - 1" RIGID INSULATION
  - 072000.B4 - 2" RIGID INSULATION
  - 072500.D - SELF-ADHERING SHEET
  - 072500.E - BUILDING WRAP
  - 074293.A - COMPOSITE WALL PANEL, FLUSH PANEL W/REVEAL
  - 074293.A - METAL SOFFIT PANELS
  - 075423.B - TPO MEMBRANE, FULLY ADHERED
  - 075423.C - RENF. STRIP, 6" WIDE (GUSS)
  - 075423.DI - TPO MEMBRANE COUNTER FLASHING
  - 075423.E - SUBSTRATE BOARD
  - 075423.FI - 1/2" GLASS-MAT SHEATHING
  - 075423.FI1 - TAPERED INSULATION, 1/8" PER FT.
  - 075423.FI2 - TAPERED INSULATION, 1/4" PER FT.
  - 075423.F6 - RIGID INSULATION, 6" THICK
  - 075423.G2 - COVER BOARD, 1/2" THICK, GLASS-MAT
  - 075423.N - METAL TERMINATION BAR, FASTEN 12" OC
  - 075423.V - CANT, CUT TO FIT
  - 076200.A - METAL GUTTER
  - 076200.C - METAL COPING
  - 076200.H - 2-PIECE METAL COUNTERFLASH
  - 079200.A - METAL FASCIA
  - 079200.C - SEALANT
  - 079200.CI - COMPRESSIBLE SEALER W/ADHESIVE
  - 079200.D - BACKER ROD & SEALANT
  - 084413.B - ALUMINUM CURTAIN WALL FRAMING
  - 084413.C - METAL SILL PAN
  - 0851.B3.AI - ALUMINUM WINDOW ASSEMBLY, FIXED WINDOW
  - 0851.B3.BI - METAL SILL PAN
  - 0851.B3.CI - METAL SUB FRAME
  - 088000.CI - 1" INSULATING GLASS-LOW E
  - 088000.CI - INSULATING SPANDREL GLASS, 1" THICK
  - 092216.D2 - 3 5/8" METAL STUDS AT 16" O.C.
  - 092216.J3 - 2" Z-FURRING CHANNEL
  - 092900.A4 - 5/8" GYPSUM WALLBOARD
  - 092900.FI - EXTERIOR GYPSUM SOFFIT BOARD
  - 096513.A - RESILIENT BASE
  - 0991.B3.A - PAINT FINISH EXTERIOR SYSTEM
  - 32313.A - CONCRETE SIDEWALK, 4" THICK
  - 32313.D - COMPRESSIBLE FILL



**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
NO REVISION	DATE

**JKF ARCHITECTURE**

625 LYNNDALE CT. SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS  
NEW HEADQUARTERS**

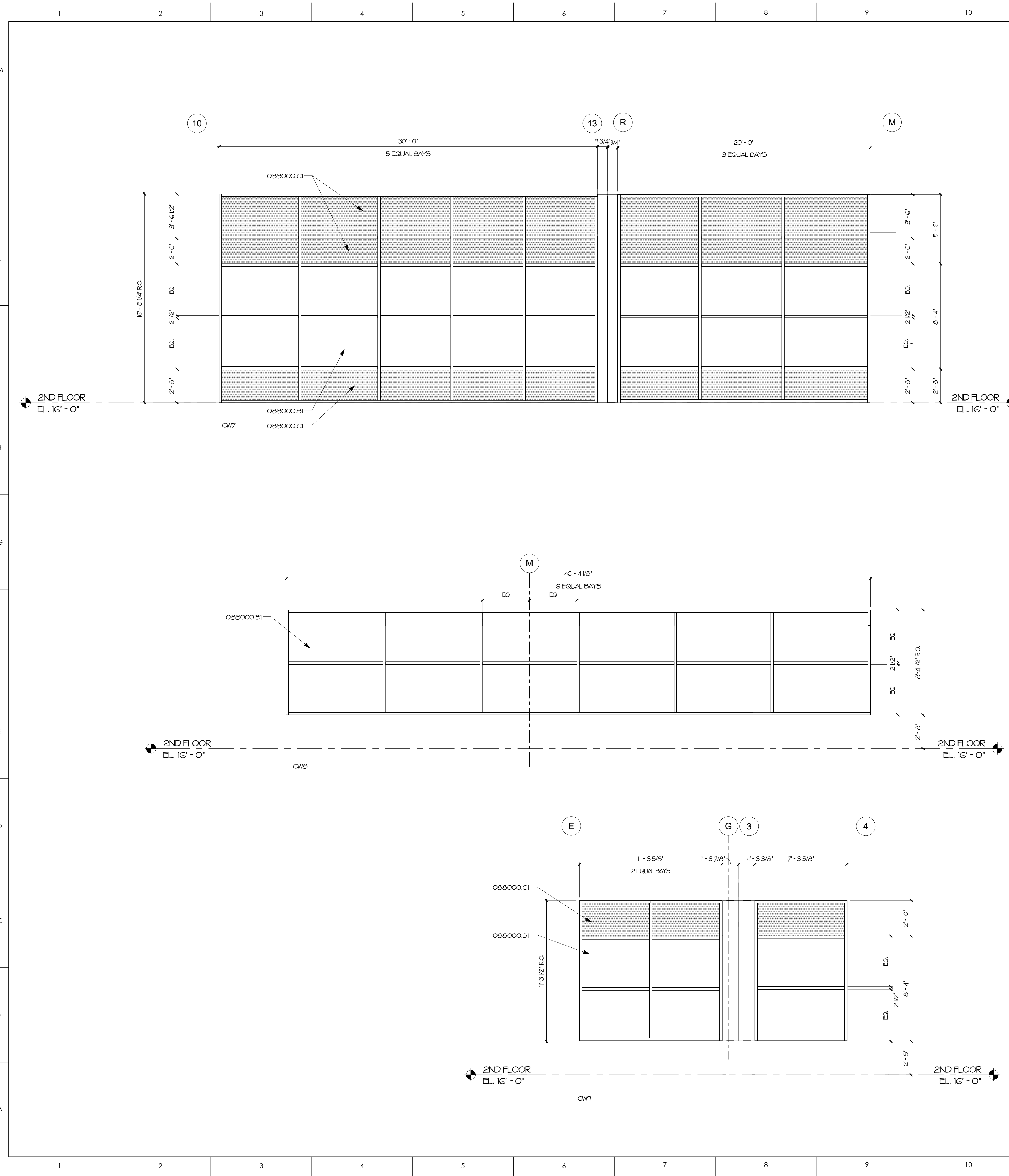
CLINTON, NC

**EXTERIOR DETAILS**

SCALE: AS NOTED	DRAWING NO:
DRAWN: MCZ	
CHECKED: JKF	
DATE: 7-15-2023	
PROJECT NO: 2022-17	

**A6.3**

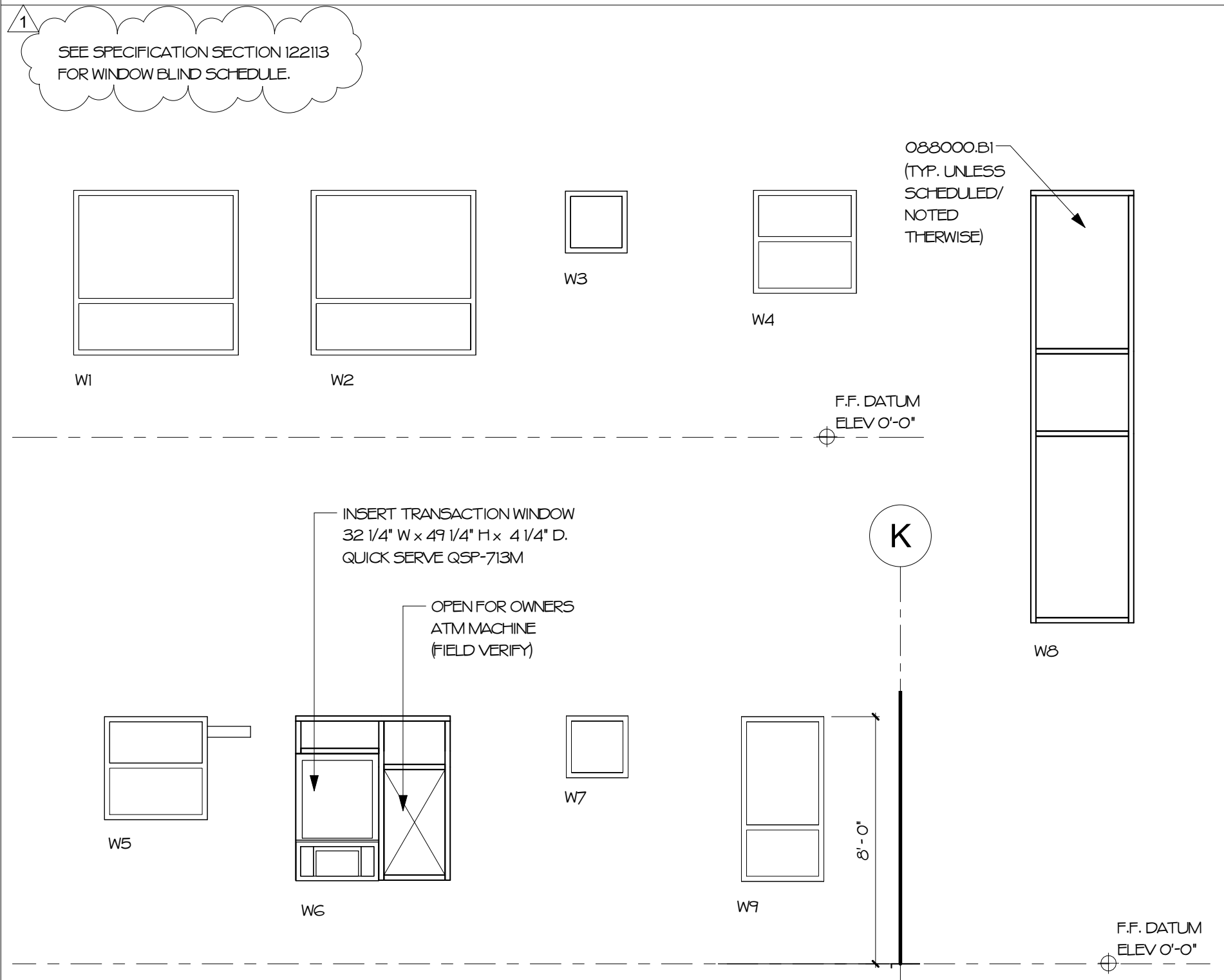
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### WINDOW SCHEDULE

WINDOW GROUP NO.	WINDOW UNIT SIZE (W X H)	WINDOW TYPE	MATERIAL	FINISH	FRAME ELEVATION	FRAME SIZE	DETAILS			GLASS	FIRE RATING (HRS.)	REMARKS
							J	H	S			
W1	5'-4" X 5'-4"	ALUMINUM FIXED	AL	AN	W1	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	
W2	5'-4" X 5'-4"	ALUMINUM FIXED	AL	AN	W2	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	
W3	2'-0" X 2'-0"	ALUMINUM FIXED	AL	AN	W3	3 1/4" DEEP	E9 AG-3	E9 AG-3	A9 AG-3	1" LOW-E T&M <sup>1</sup>	-	PROVIDE FROSTED GLASS INSIDE LITE
W4	3'-4" X 3'-4"	ALUMINUM FIXED	AL	AN	W4	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	PROVIDE FROSTED GLASS INSIDE LITE
W5	3'-4" X 3'-4"	ALUMINUM FIXED	AL	AN	W5	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	
W6	5'-0" X 5'-4"	ALUMINUM SLIDING TRANSACTION	AL	AN	W6	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	PREP WINDOW FRAME TO RECEIVE TRANSACTION WINDOW SPECIFIED AND OWNERS ATM MACHINE
W7	2'-0" X 2'-0"	ALUMINUM FIXED	AL	AN	W7	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	
W8	3'-4" X 14'-0"	ALUMINUM FIXED	AL	AN	W8	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	
W9	2'-8" X 5'-4"	ALUMINUM FIXED	AL	AN	W9	3 1/4" DEEP	M5 A3.1	M5 A3.1	A3 AG.1	1" LOW-E T&M <sup>1</sup>	-	
CW1	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL W/ DOOR	AL	AN	CW1	10 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW2	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL W/ DOOR	AL	AN	CW2	7 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW3	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL W/ DOOR	AL	AN	CW3	10 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW4	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL W/ DOOR	AL	AN	CW4	10 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW5	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL W/ DOOR	AL	AN	CW5	7 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW6	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL	AL	AN	CW6	7 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW7	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL	AL	AN	CW7	7 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW8	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL	AL	AN	CW8	10 1/4"				1" LOW-E T&M <sup>1</sup>	-	
CW9	SEE CURTAIN WALL FRAME ELEVATIONS	CURTAIN WALL	AL	AN	CW9	7 1/4"				1" LOW-E T&M <sup>1</sup>	-	

### WINDOW TYPES



**MATERIALS KEYING LEGEND**

088000.B1 1" INSULATING GLASS-LOWE  
 088000.C1 INSULATING SPANDREL GLASS, 1" THICK

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**GENERAL NOTES**

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**KEY PLAN**

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ADDENDUM NO. 1 9-12-2023  
 REVISION DATE

**JKF**  
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

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**STAR COMMUNICATIONS**  
 NEW HEADQUARTERS  
 CLINTON, NC

---

DRAWING TITLE  
**WINDOW SCHEDULE AND ELEVATIONS**

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SCALE 1/4" = 1'-0"  
 DRAWN MBD  
 CHECKED JKF  
 DATE 7-15-2023  
 PROJECT NO. 2022-17

A8.2

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**PLAN NOTES:**

- DATUM FOR ALL ELEVATIONS GIVEN ON THIS PLAN IS FINISHED FIRST FLOOR ELEVATION = 0'-0". REFER TO CIVIL DRAWINGS FOR ACTUAL FINISHED FLOOR ELEVATION.
- TOP OF STEEL BEAM ELEVATIONS INDICATED THUS (+\_\_\_\_\_) ON PLAN.
- ROOF CONSTRUCTION IS 1-1/2" DEEP, 20 GA. TYPE 'B' STEEL ROOF DECK SUPPORTED ON OPEN WEB STEEL JOIST ON STEEL BEAMS.
- FOR LOCATION AND DIMENSIONS OF ROOF OPENINGS REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS.
- UNLESS OTHERWISE SHOWN PROVIDE ANGLE L4x4x1/4 FRAMING AROUND ALL MECHANICAL AND ARCHITECTURAL ROOF OPENINGS.
- MECHANICAL UNITS SHALL BE SUPPORTED ON OR SUSPENDED FROM A MINIMUM OF 3 JOIST AND AT PANEL POINTS ONLY. PROVIDE STEEL SUB FRAMING IF REQUIRED.
- FOR COLUMN SIZE, REFER TO FOUNDATION PLAN.
- STEEL JOIST PREFIX 'SP' ARE COLUMN BRACING JOIST. FOR JOIST TO COLUMN CONNECTION REFER TO TYPICAL DETAILS.
- FOR MOMENT CONNECTIONS INDICATED THUS (  ) ON PLAN, REFER TO TYPICAL DETAILS ON SHEET S5.4.
- STAGGER JOIST AS REQUIRED TO OBTAIN REQUIRED BEARING ON BEAMS AND WALLS.
- FOR EXTERIOR WALL OPENING, REFER TO TYPICAL DETAIL ON S5.2.
- FOR TYPICAL DETAILS REFER TO SHEETS S5.1, S5.2, S5.3 AND S5.4.
- FOR GENERAL NOTES REFER TO SHEETS S0.1 AND S0.2.

**KEY NOTES:**

- W14x22 OUTLOOKERS.
- L2-1/2x2-1/2x5/16 DIAGONAL BRACE BETWEEN JOIST AND BEAM. REFER TO TYPICAL JOIST TO BEAM CONNECTION DETAIL FOR ADDITIONAL INFORMATION.
- W8X18 ELEVATOR HOIST BEAM. REFER TO TYPICAL STEEL BEAM BEARING ON CMU DETAIL ON S5.2.
- HSS6X6 POST SPACED AT 48" OC MAX WITH HSS6X2 (LSH) CONT TOP AT PARAPET WHERE SHOWN ON PLAN. REFER TO RELEVANT SECTIONS FOR INFORMATION.
- PROVIDE L4X4X1/4 CONT ANGLE AT DECK EDGE. REFER TO G1/S4.4 FOR ATTACHMENT TO BEAM
- PROVIDE L4X4X1/4 ANGLE AT ROOF OPENINGS TO SUPPORT ROOF DECK. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.

GENERAL NOTES

KEY PLAN

NO	REVISION	DATE
1	ROOF HATCH OPENING	9-12-2023

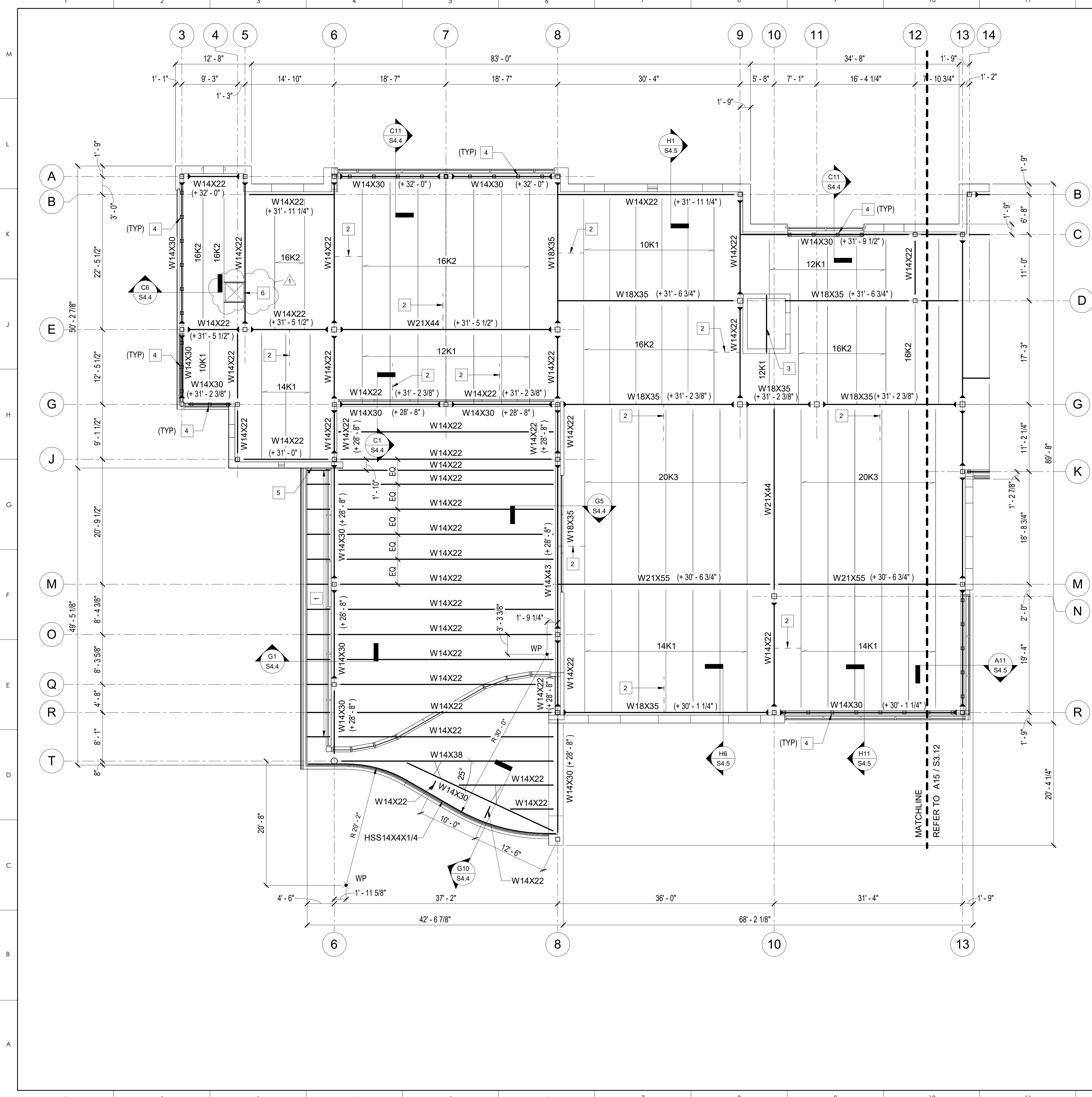


25 LYNNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

**STAR COMMUNICATIONS**  
NEW HEADQUARTERS  
CLINTON, NC

DRAWING TITLE  
**ROOF FRAMING PLAN - WEST**

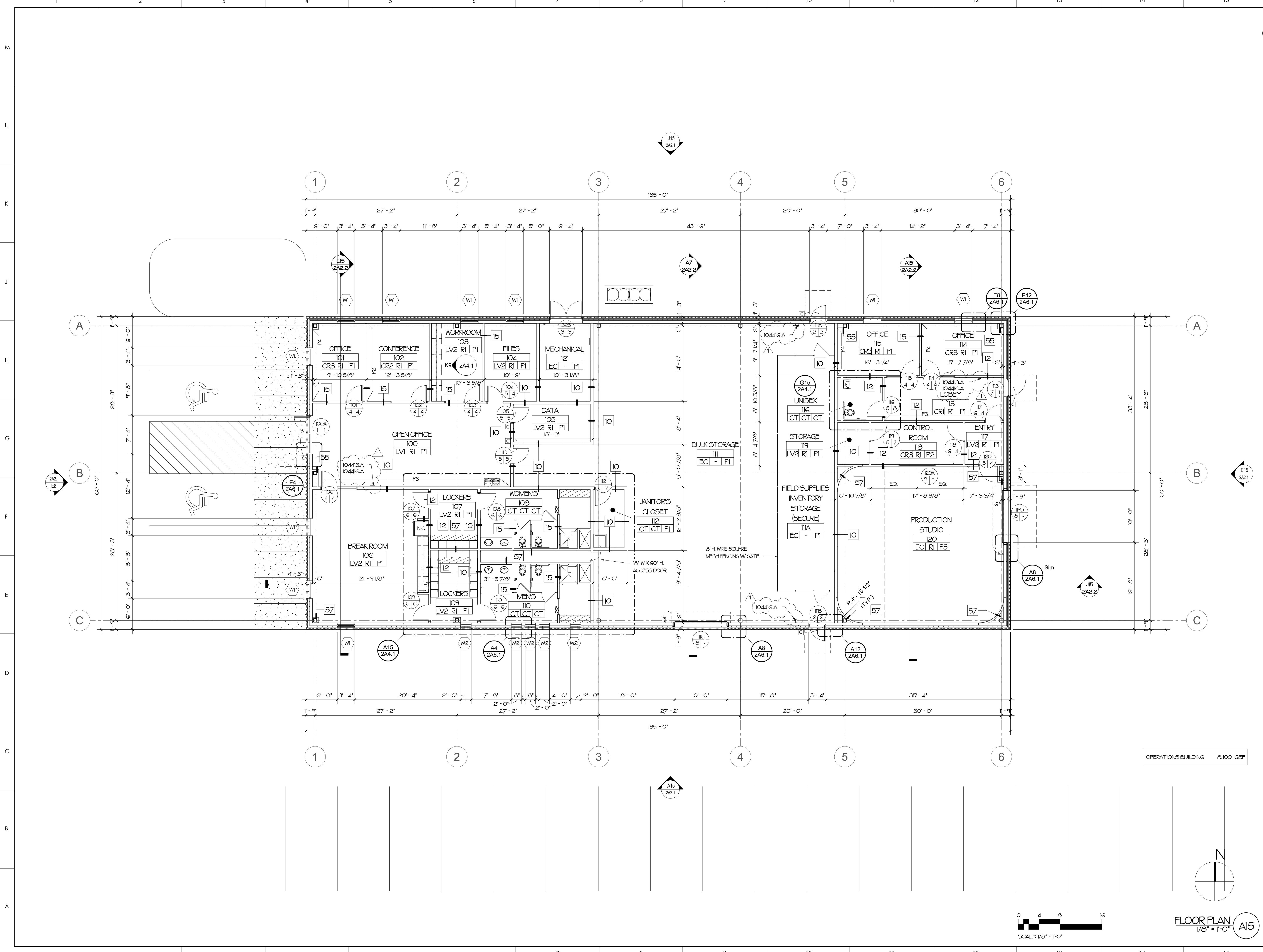
SCALE	As indicated
DRAWN	JSS
CHECKED	KMR
DATE	7-15-2023
PROJECT NO.	2022-17



ROOF FRAMING PLAN - WEST  
1/8" = 1'-0" A15

**S3.11**

MATERIALS KEYING LEGEND	
104413A	SEMI-RECESSED FIRE EXTINGUISHER CABINET, MOUNT TOP AT 54" A.F.F.
104416A	FIRE EXTINGUISHER



GENERAL NOTES

KEY PLAN

ADDENDUM NO. 1	9-12-2023
REVISION	DATE

**JKF**  
ARCHITECTURE

625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

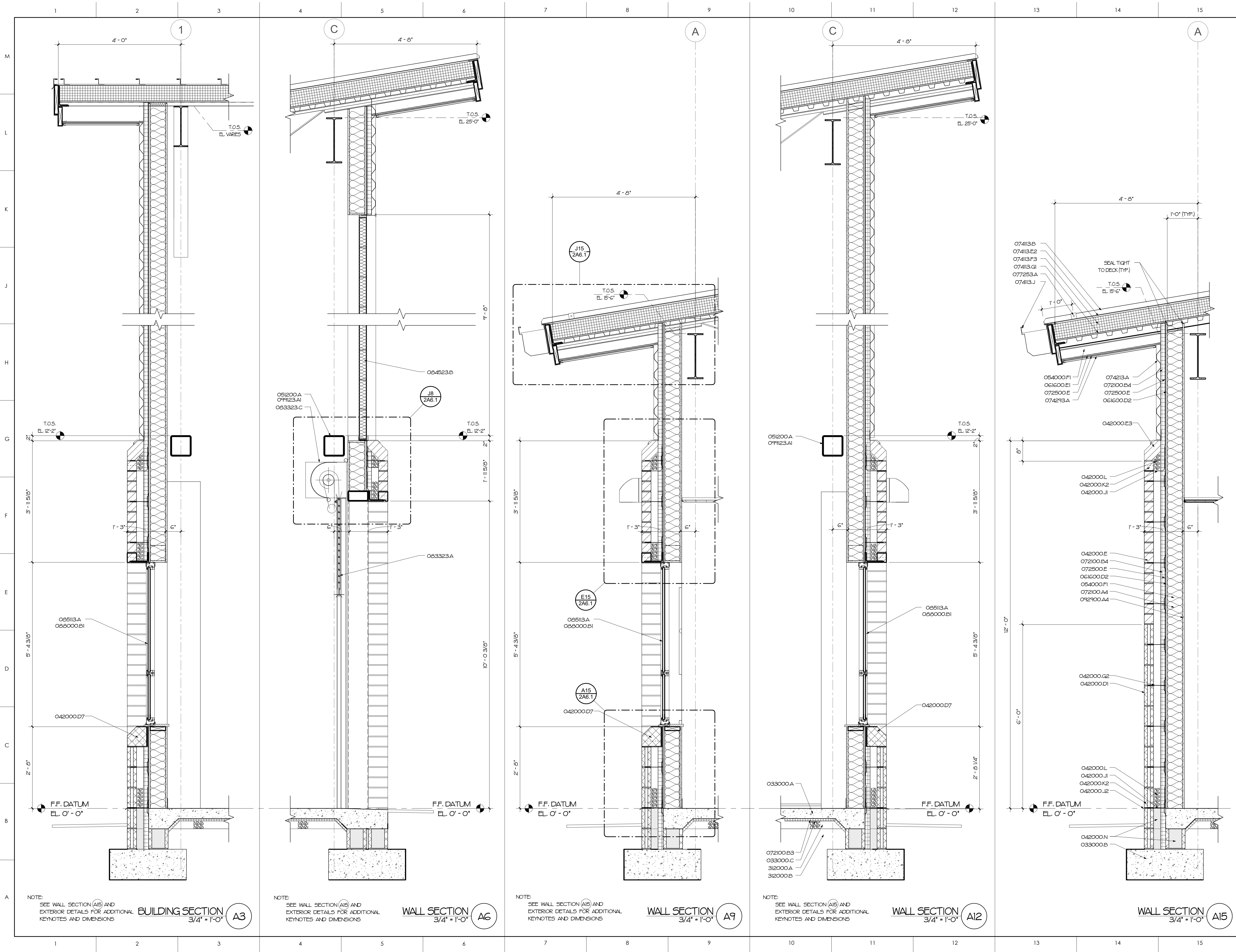
STAR COMMUNICATIONS  
NEW OPERATIONS BUILDING  
CLINTON, NC

DRAWING TITLE  
**FLOOR PLAN**

SCALE	1/8" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

**2A1.1**





**MATERIALS KEYING LEGEND**

033000.A	CONCRETE SLAB ON GRADE. SEE STRUCTURAL DRAWINGS
033000.B	CONCRETE FOOTING. SEE STRUCTURAL DRAWINGS
033000.C	VAPOR BARRIER
042000.D1	CONCRETE MASONRY UNIT, DECORATIVE. SPECIAL SHAPE SILL
042000.D7	CONCRETE MASONRY UNIT, DECORATIVE. SPECIAL SHAPE SILL
042000.E	FACE BRICK
042000.E3	FACE BRICK, SILL SPECIAL SHAPE
042000.G2	ADJ. BRICK TIES AT 16" OC VERT., 24" OC HORIZ.
042000.J1	THRU-WALL FABRIC FLASHING
042000.J2	METAL DRIP FLASHING
042000.K2	WEEP SLOTS AT 16" O.C.
042000.L	CAVITY DRAINAGE MATERIAL
042000.N	GROUT SOLID
051200.A	STRUCTURAL STEEL. SEE STRUCTURAL DRAWINGS
054000.F1	COLD FORMED METAL FRAMING. 6" STUD AT 16" O.C.
061600.D2	GLASS-MAT GYPSUM SHEATHING 5/8" THICK
061600.E1	PLYWOOD ROOF SHEATHING 1/2" THICK
072100.A4	R-19 BATT INSULATION
072100.B3	1 1/2" RIGID INSULATION
072100.B4	2" RIGID INSULATION
072500.E	BUILDING WRAP
074113.B	METAL ROOF, STANDING SEAM
074113.E2	SELF ADHERING SHEET
074113.F3	RIGID INSULATION 6" THICK
074113.G1	GLASS-MAT GYP. SHEATHING 1/2" THICK
074113.J	METAL GUTTER
074213.A	METAL WALL PANEL
074213.A	METAL SOFFIT PANELS
077253.A	SNOW GUARD
083323.A	OVER-HEAD COILING DOOR
083323.C	OVER-HEAD COILING DOOR METAL HOUSING
084523.B	FIBERGLASS-SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
085113.A	ALUMINUM WINDOW ASSEMBLY
088000.B1	1" INSULATING GLASS-LOW E
092900.A4	5/8" GYPSUM WALLBOARD
099123.A1	PAINT FINISH, INTERIOR SYSTEM
312000.A	POROUS FILL
312000.B	COMPACTED FILL

**GENERAL NOTES**

SEE WALL SECTION (A15) AND EXTERIOR DETAILS FOR ADDITIONAL KEYNOTES AND DIMENSIONS

**KEY PLAN**

ADDENDUM NO. 1	9-12-2023
REVISION	DATE

JOHN K. FARKAS  
REGISTERED ARCHITECT  
913 hours  
5922  
ARCHITECTURE

25 LYNDALE CT., SUITE F, GREENVILLE NC 27638 252-355-1068

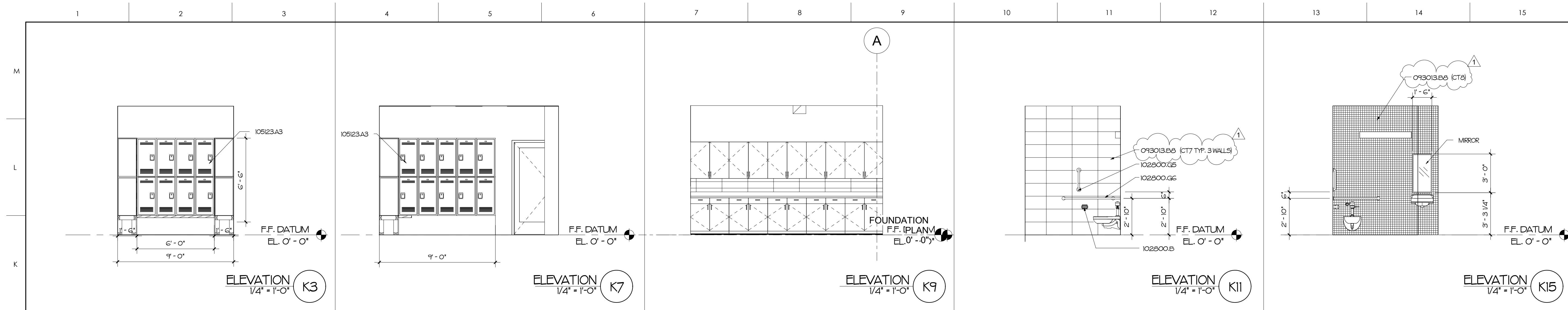
STAR COMMUNICATIONS  
NEW OPERATIONS BUILDING  
CLINTON NC

DRAWING TITLE: WALL SECTIONS

SCALE	3/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

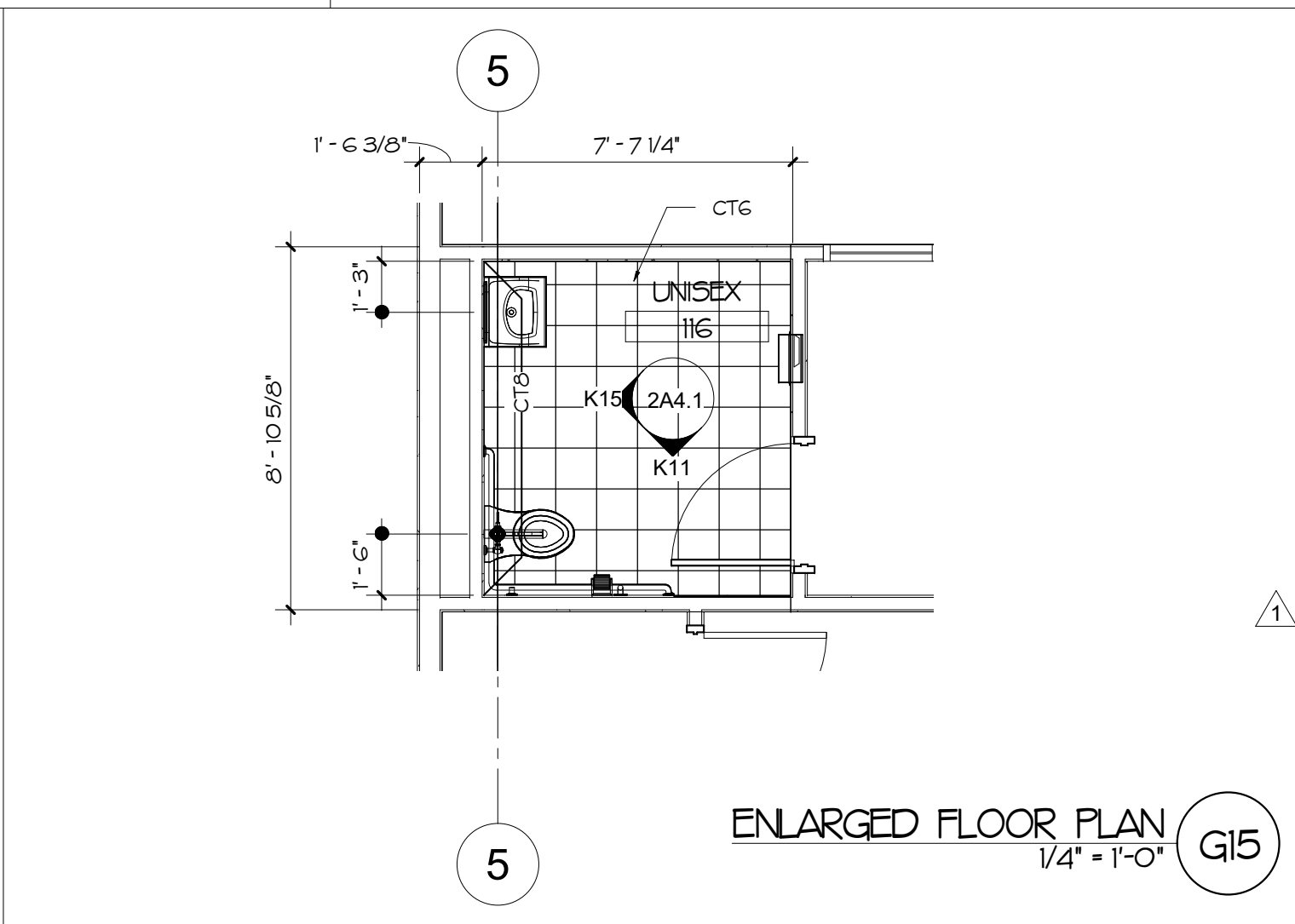
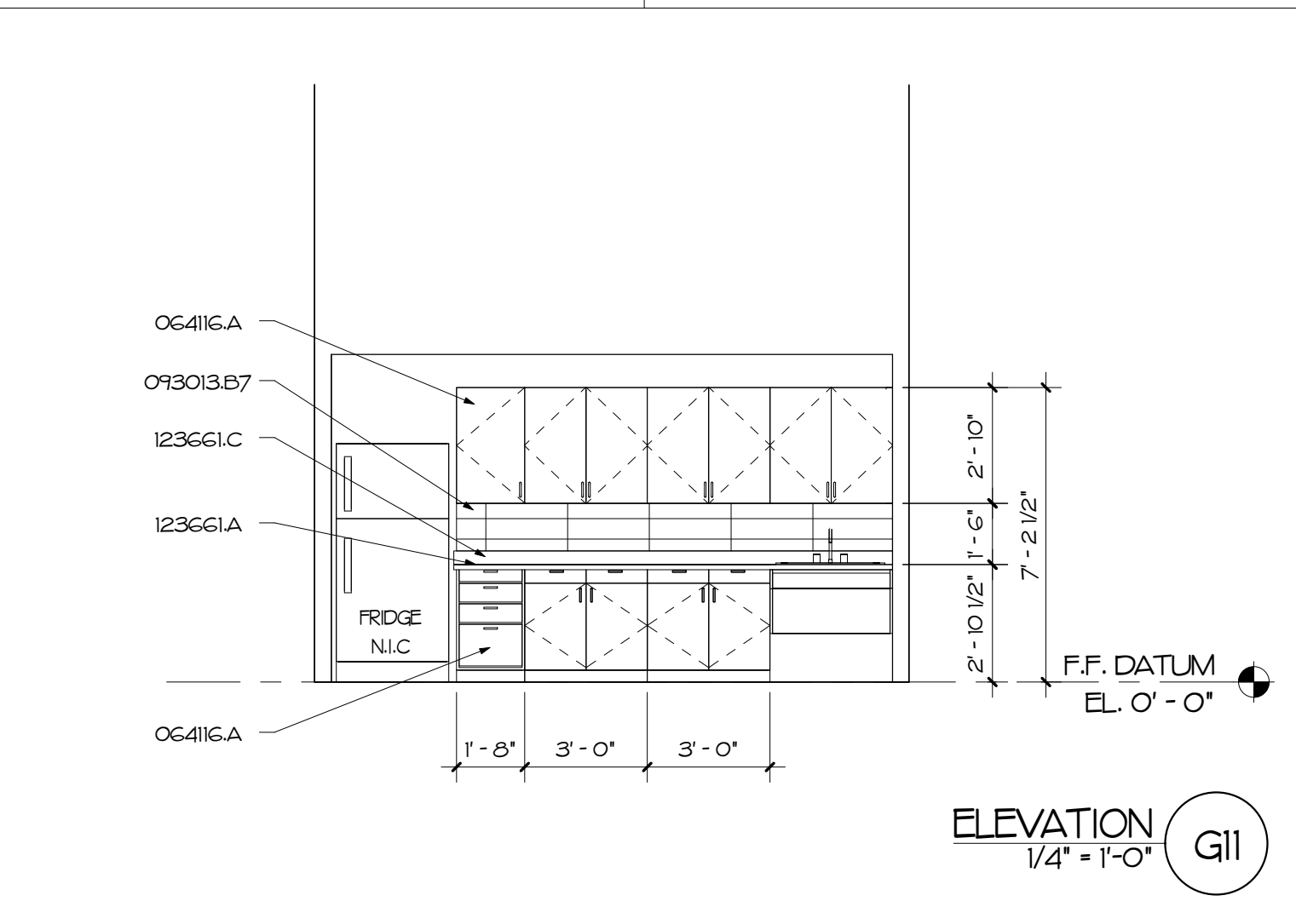
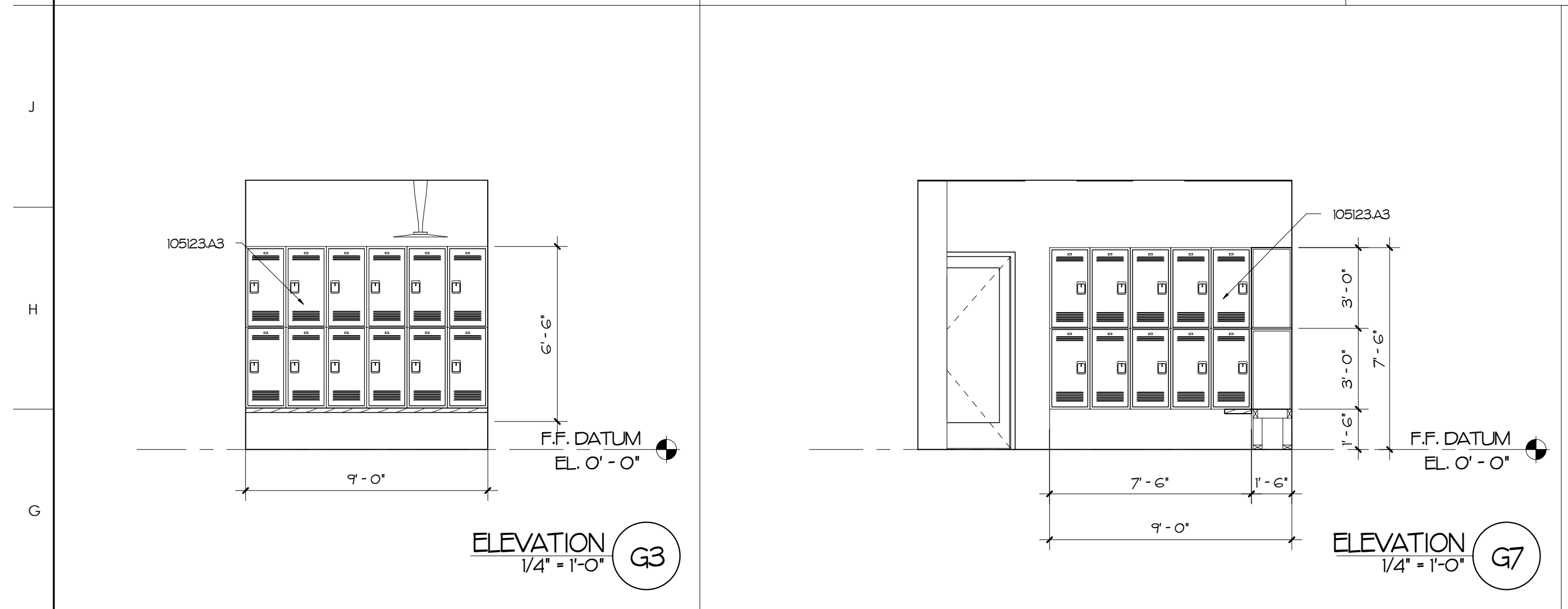
2A3.1





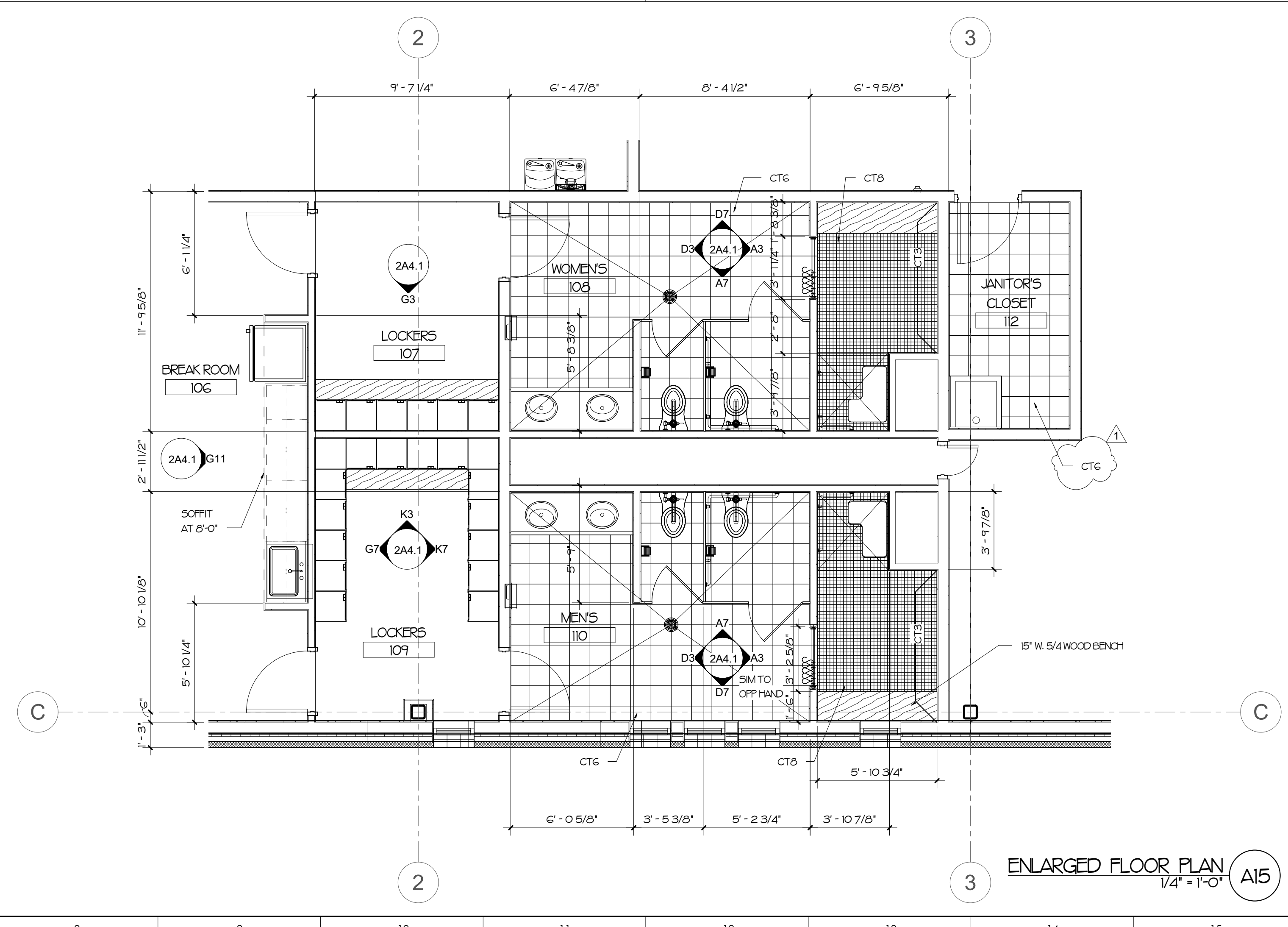
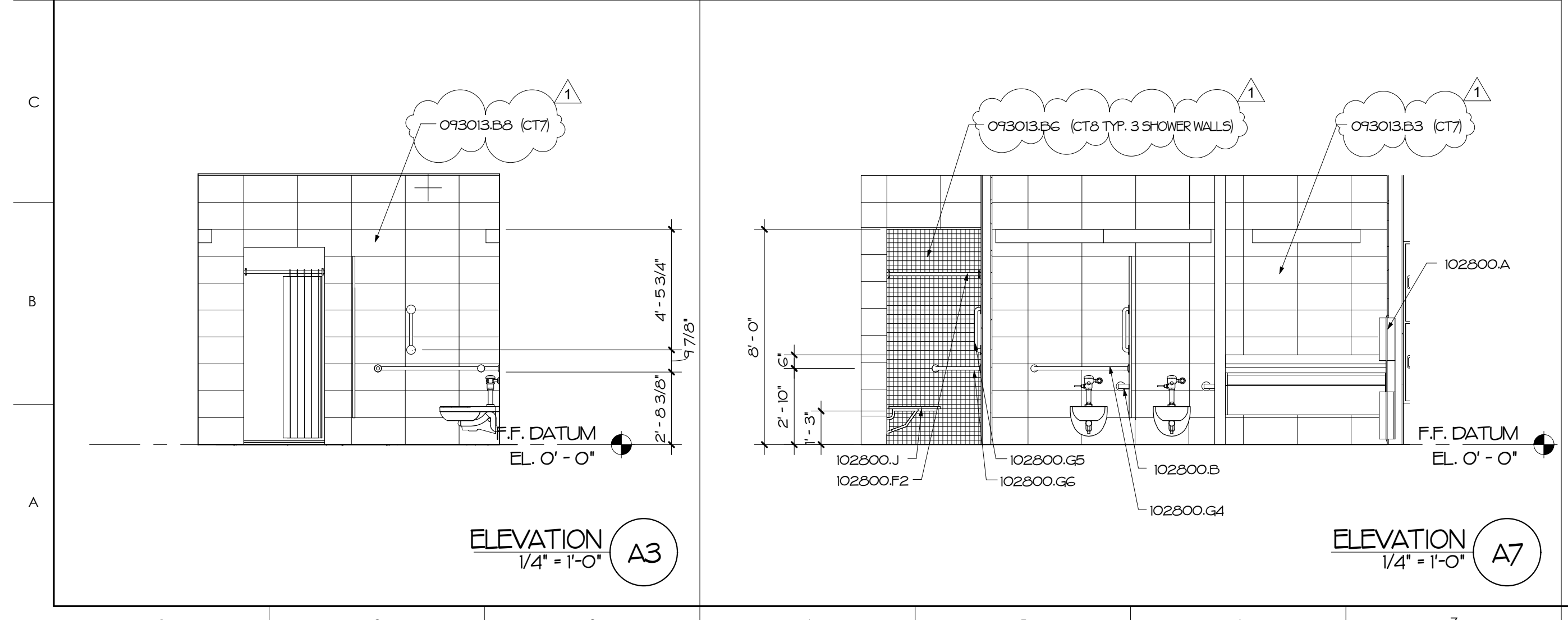
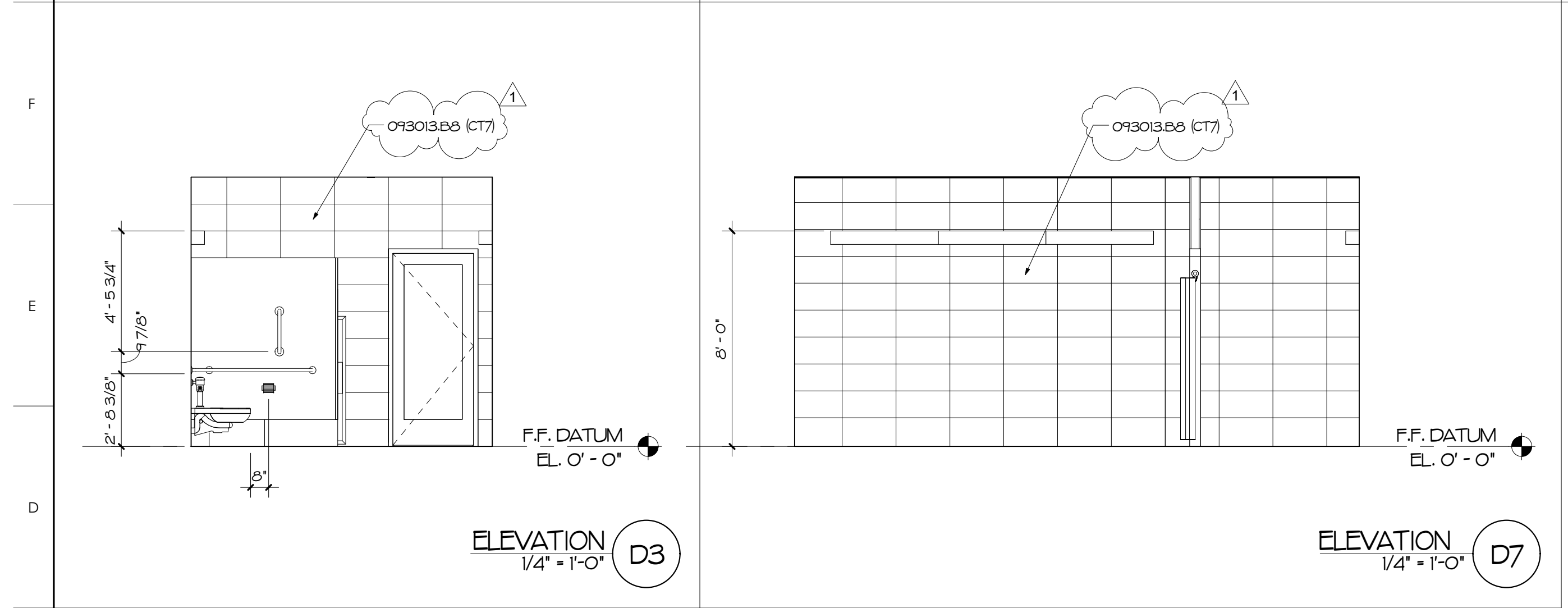
**MATERIALS KEYING LEGEND**

06416.A	PLASTIC LAMINATE CABINETS
09303.B3	CERAMIC TILE, 24X24
09303.B6	CERAMIC TILE, MOSAIC
09303.B7	CERAMIC TILE, 6X12
09303.B8	CERAMIC TILE, 12X24
102800.A	TOWEL DISPENSER/WASTE RECEPTACLE
102800.B	TOILET TISSUE DISPENSER
102800.F2	SHOWER CURTAIN ROD
102800.G4	24" VERT. GRAB BAR
102800.G5	18" VERT. GRAB BAR
102800.G6	18"X32" GRAB BAR
102800.J	FOLDING SHOWER SEAT
10523.A3	PLASTIC-LAMINATE-LOCKERS, 2 TIERED
123661.C	SIMULATED STONE BACKSPASH



**GENERAL NOTES**

- INTERIOR DIMENSIONS ARE TO FACE OF STUD UNO. W/DOT LEADER -Ø- (FINISH)
- UNO. WALL TILE TO BE (CT7)



**KEY PLAN**

NO	REVISION	DATE

JOHN K. FARKAS  
REGISTERED ARCHITECT  
3922  
JKF ARCHITECTURE

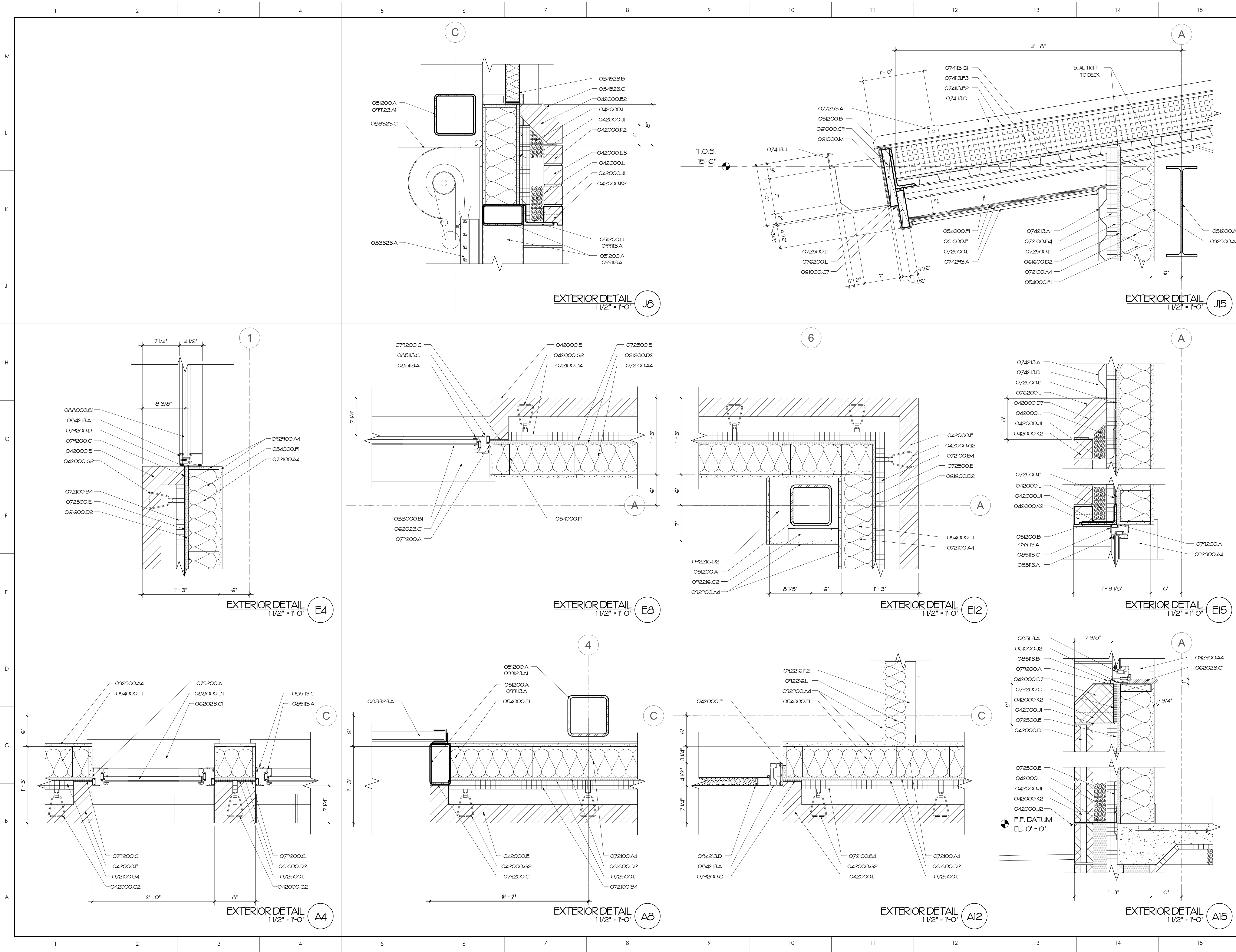
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068

STAR COMMUNICATIONS  
NEW OPERATIONS BUILDING  
CLINTON, NC

DRAWING TITLE  
**ENLARGED PLANS**

SCALE	1/4" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17

**2A4.1**



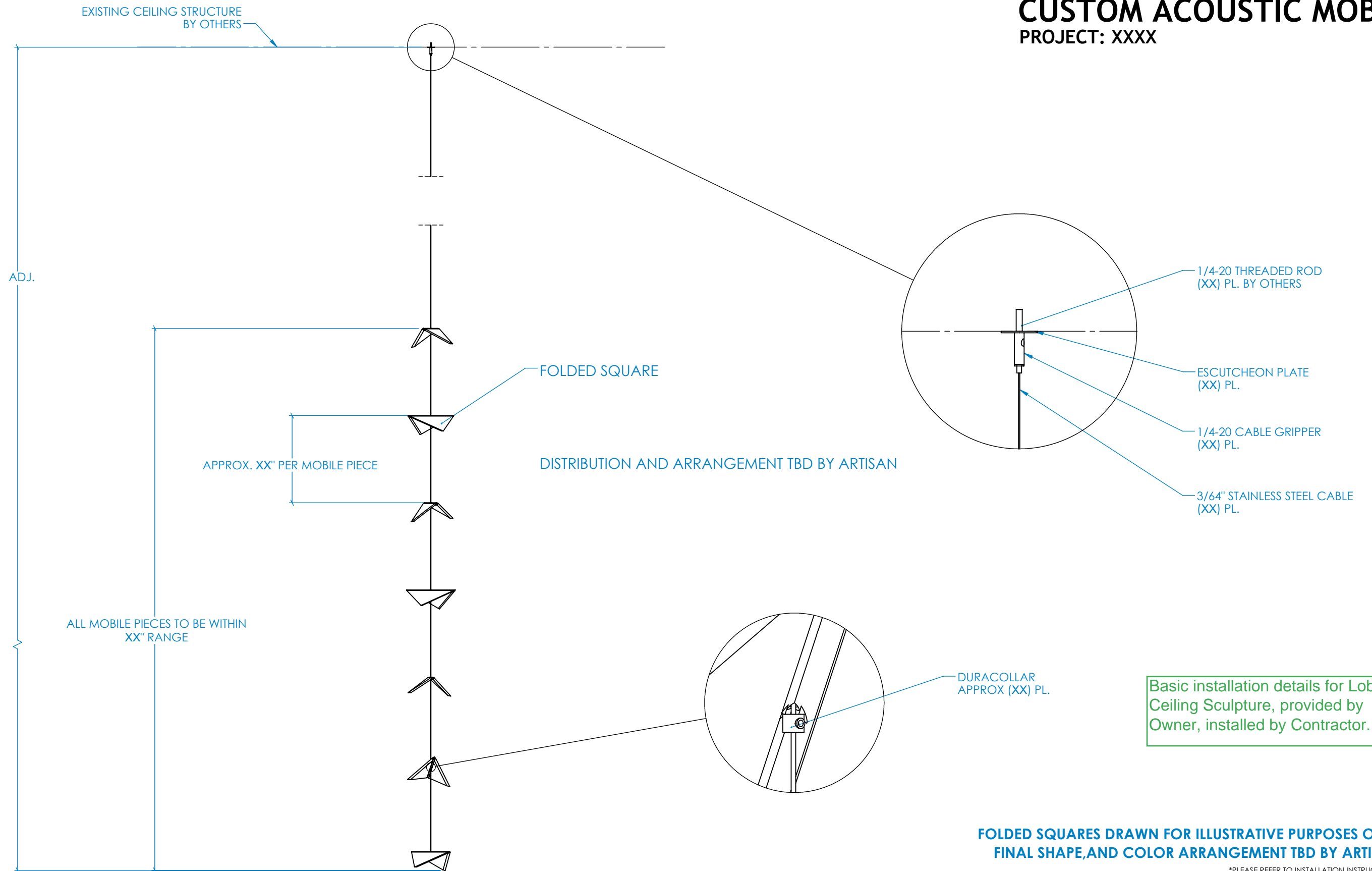
**MATERIALS KEYING LEGEND**

042000.D1	CONCRETE MASONRY UNIT, DECORATIVE 4"
042000.D7	CONCRETE MASONRY UNIT, DECORATIVE SPECIAL SHAPE SILL
042000.E	FACE BRICK
042000.E2	FACE BRICK, SPECIAL SHAPE
042000.E3	FACE BRICK, SILL, SPECIAL SHAPE
042000.G2	ADJ. BRICK TIES AT 16" OC VERT., 24" OC HORIZ.
042000.J1	THRU-WALL FABRIC FLASHING
042000.J2	METAL DRIP FLASHING
042000.K2	WEEP SLOTS AT 16" O.C.
042000.L	CAVITY DRAINAGE MATERIAL
051200	STRUCTURAL STEEL FRAMING
051200.A	STRUCTURAL STEEL, SEE STRUCTURAL DRAWINGS
051200.B	STEEL ANGLE, SIZE AS INDICATED
054000.F1	COLD FORMED METAL FRAMING, 6" STUD AT 16" O.C.
061000.C7	TREATED 2X8
061000.C9	TREATED 2X12
061000.J2	WOOD BLOCKING, PRESSURE TREATED
061000.M	1/2" DIA. BOLT COUNTERSUNK AT 16" O.C. STAGGERED
061600.D2	GLASS-MAT GYPSUM SHEATHING 5/8" THICK
061600.E1	PLYWOOD ROOF SHEATHING 1/2" THICK
062023.C1	INTERIOR WOOD TRIM WINDOW SILL, TRANSPARENT FINISH
072100.A4	R-FIB BATT INSULATION
072100.B4	2" RIGID INSULATION
072500.E	BUILDING WRAP
074113.B	METAL ROOF, STANDING SEAM
074113.E2	SELF ADHERING SHEET
074113.F3	RIGID INSULATION 6" THICK
074113.G1	GLASS-MAT GYP. SHEATHING 1/2" THICK
074113.J	METAL GUTTER
074213.A	METAL WALL PANEL
074213.D	METAL CLOSURE TRIM
074213.B4	METAL SOFFIT PANELS
076200.J	METAL SILL PAN
076200.L	METAL FASCIA
077253.A	SNOW GUARD
079200.A	SEALANT
079200.C	COMPRESSIBLE SEALER W/ADHESIVE
079200.D	BACKER ROD AND SEALANT
083323.A	OVER-HEAD COLING DOOR
083323.C	OVER-HEAD COLING DOOR, METAL HOUSING
084213.A	STOREFRONT FRAMING, THERMALLY BROKEN
084213.D	ALUMINUM FRP DOOR
084523.B	FIBERGLASS SANDWICH PANEL ASSEMBLY, 2-3/4" THICK
084523.C	METAL SILL PAN
085113.A	ALUMINUM WINDOW ASSEMBLY
085113.B	METAL SILL PAN
085113.C	METAL SUB FRAME
085000.B1	1" INSULATING GLASS-LOW E
092216.C2	2 1/2" METAL STUDS AT 16" OC
092216.D2	3 5/8" METAL STUDS AT 16" OC
092216.F2	6" METAL STUDS AT 16" OC
092216.L	ACOUSTICAL BLANKET, THICKNESS AS NOTED IN PARTITION TYPES
092900.A4	5/8" GYPSUM WALLBOARD
099113.A	PAINT FINISH, EXTERIOR SYSTEM
099123.A1	PAINT FINISH, INTERIOR SYSTEM

ADDENDUM NO. 1	9-12-2023
REVISION	DATE
<b>JK F</b> ARCHITECTURE	
625 LYNDALE CT., SUITE F, GREENVILLE, NC 27858 252-355-1068	
<b>STAR COMMUNICATIONS</b> NEW OPERATIONS BUILDING CLINTON, NC	
DRAWING TITLE <b>EXTERIOR DETAILS</b>	
SCALE	1 1/2" = 1'-0"
DRAWN	MCZ
CHECKED	JKF
DATE	7-15-2023
PROJECT NO.	2022-17
2A6.1	

# CUSTOM ACOUSTIC MOBILE

PROJECT: XXXX



Basic installation details for Lobby Ceiling Sculpture, provided by Owner, installed by Contractor.

**FOLDED SQUARES DRAWN FOR ILLUSTRATIVE PURPOSES ONLY  
FINAL SHAPE, AND COLOR ARRANGEMENT TBD BY ARTISAN**

\*PLEASE REFER TO INSTALLATION INSTRUCTIONS AND ADDITIONAL .DXF FILES FOR ADDITIONAL INFORMATION

## FRONT VIEW

PRINT NAME:		<b>LightArt</b> <sup>®</sup> A 3FORM COMPANY	Drawn By: SKI	Date: 7/28/2020	LA 1.1	
SIGNATURE:			Approved By:			
<input type="checkbox"/> APPROVED	<input type="checkbox"/> REVISE AND RESUBMIT	4770 Ohio Ave. S Suite A Seattle, Washington 98134	t: 206 524 2223 f: 206 763 0588			Submittal 1
<input type="checkbox"/> APPROVED AS NOTED	DATE:					Submittal 2 Submittal 3 Submittal 4