

NEWTON COUNTY HISTORIC JAIL RENOVATION

ISSUED FOR PRICING



PROJECT DIRECTORY		DRAWING INDEX	
LANDLORD:	NEWTON COUNTY STREET ADDRESS SUITE CITY, STATE ZIP	CONTACT NAME TEL: PHONE # EMAIL ADDRESS	SHEET NO. SHEET NAME
ARCHITECT:	JERICHO DESIGN GROUP 208 PIRKLE FERRY RD SUITE C CUMMING, GA 30040	DOUG SHAW TEL: 678-983-5992 dshaw@jericho-design.com	01 COVER CS-1.01 COVER SHEET 02 LIFE SAFETY LS-1.01 LIFE SAFETY PLANS 03 GENERAL G-1.01 ADA REGULATORY DETAILS & DIAGRAMS G-2.01 PARTITION TYPES G-3.01 SPECIFICATIONS G-3.02 SPECIFICATIONS 07 ARCHITECTURAL D-1.01 DEMOLITION PLANS 07 ARCHITECTURAL A-1.01R REFERENCE PLANS A-4.01 EXTERIOR ELEVATIONS A-6.51 EXTERIOR STAIR PLANS & DETAILS A-6.52 EXTERIOR STAIR SECTIONS & DETAILS A-7.01 DOOR & WINDOW SCHEDULE AND ELEVATIONS A-7.51 DOOR DETAILS 08 INTERIORS ID-1.01 FINISH SCHEDULE & GENERAL NOTES ID-2.01 FINISH & REFERENCE PLANS ID-2.51 ENLARGED FINISH PLANS & ELEVATIONS ID-3.01 REFLECTED CEILING FINISH PLANS ID-4.01 INTERIOR ELEVATIONS ID-5.01 INTERIOR SECTIONS & DETAILS ID-5.02 INTERIOR SECTIONS & DETAILS ID-6.01 FURNITURE & EQUIPMENT PLANS
STRUCTURAL:	WALLACE DESIGN COLLECTIVE 1455 LINCOLN PARKWAY E SUITE 260 ATLANTA, GA 30346	ERICK BLACKMORE TEL: 404-849-9085 erick.blackmore@wallace.design.com	
MECHANICAL, ELECTRICAL, & PLUMBING:	COORDINATED BY CONTRACTOR		
VICINITY MAP		ALPHA BLDG SET 10-06-2025	
KEY PLAN		GENERAL NOTES	
		<p>1. THESE DRAWINGS ARE THE PROPERTY OF JERICHO DESIGN GROUP, LLC AND SHALL NOT BE REPRODUCED OR COPIED (PHYSICALLY AND/OR DIGITALLY) IN PART OF WHOLE. THEY ARE TO BE USED FOR THIS PROJECT ONLY AND ARE NOT TO BE USED ON ANY OTHER PROJECT.</p> <p>2. DRAWINGS AND SPECIFICATIONS ARE INTENDED TO AGREE AND BE MUTUALLY EXPLANATORY. THEY SHALL BE ACCEPTED/USED AS A WHOLE; NOT SEPARATELY. ALL ITEMS BE OMITTED FROM THE DRAWINGS AND BE HIGHLIGHTED ON THIS SHEET AND SHALL BE EXECUTED TO SAME AS IF SHOWN AND COMBINED IN BOTH. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY ENTIRE SET TO EACH SUBCONTRACTOR.</p> <p>3. THE CONTRACTOR IS TO NOTIFY ARCHITECT OF ANY DISCREPANCIES AFTER FULL REVIEW OF CONTRACT DOCUMENTS TO INCLUDE, BUT NOT LIMITED TO, ERRORS, OMISSIONS, INCONSISTENCIES, DISCREPANCIES, AND CONFLICTS WITH THE DRAWINGS/SPECIFICATIONS OR AS RELATED TO FIELD CONDITIONS. CONTRACTOR TO CONTACT ARCHITECT IMMEDIATELY TO DISCUSS A RESOLUTION.</p> <p>4. DO NOT SCALE THE DRAWINGS UNDER ANY CONDITION.</p> <p>5. WORK PERFORMED SHALL BE IN ACCORDANCE TO ALL FEDERAL, STATE, AND LOCAL BUILDING CODE REQUIREMENTS PER INDUSTRY STANDARDS. ALL REQUIRED PERMITS AND FEES ASSOCIATED ARE TO BE THE RESPONSIBILITY OF THE CONTRACTOR NECESSARY FOR START AND COMPLETION OF THE PROJECT. CONTRACTOR IS TO MAKE SURE THAT NO DAMAGE IS CAUSED TO OWNER AT REQUEST AND/OR AT PROJECT CLOSEOUT.</p> <p>6. CONTRACTOR TO TAKE PRECAUTIONS IN PROTECTING THE WORK DURING CONSTRUCTION. ANY DAMAGE TO BE RESTORED TO ORIGINAL CONSTRUCTION BY THE CONTRACTOR. PATCH AND REPAIR ALL ITEMS DAMAGED OR ALTERED DURING CONSTRUCTION BY THE CONTRACTOR. ALL PATCHES SHALL BLEND WITH ADJACENT MATERIAL, COLOR, FINISH, AND TEXTURE. ALL EXISTING WORK FOR WHICH DAMAGE IS NOTIFIED, SHALL BE REPAIRED BY THE CONTRACTOR. OPERATIONS DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.</p> <p>7. REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED IN WRITING TO THE ARCHITECT FOR CONSIDERATION ONLY IF IMPACT TO SCHEDULE, COST, CHANGE OR QUALITY OF PRODUCT. ACCEPTANCE BY ARCHITECT DOES NOT IDENTIFY PRODUCT TO BE OF BETTER QUALITY THAN SPECIFIED PRODUCT.</p> <p>8. FOR ALL EXTERIOR PENETRATIONS AND VOIDS ON EXTERIOR BUILDING ENVELOPE.</p> <p>9. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND CONTRACT DOCUMENTS PRIOR TO ANY CONSTRUCTION ACTIVITY IN AREA OF CONCERN.</p>	
ABBREVIATIONS		GENERAL NOTES	
<p>@ AT ACT ACOUSTICAL CEILING TILE A.F. ABOVE FINISHED FLOOR ALUM. ALUMINUM B/ BOTTOM OF BLDG. BUILDING BRD. BRICK BRG. BEARING CFMF COLD FORMED METAL FRAMING C.L. CENTER LINE CLR. CLEAR CMU CONCRETE MASONRY UNIT C.O. COLUMN CONC. CONCRETE CONT. CONTINUOUS Ø DIAMETER DWG. DRAWING D.S. DOWN SPOUT E. ELEVATION ELEC. ELECTRIC E.S. EQUIPMENT SUPPLIER EXP. EXPANSION EXT. EXTERIOR E.W.C. ELECTRIC WATER COOLER F.D. FIRE DRAIN FEC FIRE EXTINGUISHER CABINET F.F. FINISHED FLOOR FL. FLOOR F.O. FACE OF F.O.F. FACE OF FINISH F.O.M. FACE OF MASONRY FOIC FURNISHED BY OWNER INSTALLED F.R. FIRE RETARDANT FRAN. FRANCHISEE FRP. FIBERGLASS REINFORCED POLYESTER G.C. GENERAL CONTRACTOR GYP. BD. GYPSUM BOARD H.M. HOLLOW METAL HT. HEIGHT I.B.C. INSTALLED BY CONTRACTOR</p>		<p>JT. JOINT LL. MANUFACTURER MFR. MATERIAL MAT. MAX. MAXIMUM MAX. MECHANICAL MIN. MINIMUM MIL. MIL. NC. NON-COMBUSTIBLE N.C. NOT IN CONTRACT N.T.E. NOT TO EXCEED N.T.S. NOT TO SCALE O.D. OPPOSITE OVERFLOW DRAIN PLYWD. PLASTIC LAMINATE PR. PAIR P.T. PRESSURE TREATED O.C. ON CENTER R.D. ROOF DRAIN S.B.O. SUPPLIED BY OWNER SCHED. SCHEDULE SIM. SIMILAR STL. STEEL STRUCT. STRUCTURAL T/ T&G TYP. TONGUE AND GROOVE U.N.O. UNLESS NOTED OTHERWISE VERT. VERTICAL VWC. VINYL WALL COVERING W. WIDE W/ WITH WD. WOOD W.W.F. WELDED WIRE FABRIC</p>	
SYMBOLS		GENERAL NOTES	
		<p>10. THE LOCATION OF THE EXISTING UTILITIES & STRUCTURES SHOWN HEREIN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE & ACTUAL LOCATIONS OF ALL, SHOWN OR NOT SHOWN. ANY DAMAGES RESULTING BY CONTRACTORS' ACTIVITIES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.</p> <p>11. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING & SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD.</p> <p>12. PROVIDE SEPARATION BETWEEN ALL DISSIMILAR METALS INCLUDING SCREWS, NAILS & OTHER FASTENING DEVICES TO AVOID GALVANIC CORROSION.</p> <p>13. PROVIDE EXPANSION AND CONTROL JOINTS IN ALL WORK AS PER PRODUCT MANUFACTURER'S STANDARDS, OR SPECIFICATIONS, UNLESS NOTED OTHERWISE.</p> <p>14. ALL DIMENSIONS ARE WITNESSED TO THE OUTSIDE FACE OF MASONRY, FLOOR, CEILINGS, AND ROOF. EXCEPT TO THE TOP OF CRUCIFORM CONCRETE SLAB OR ROUGH WINDOW OPENING UNLESS NOTED OTHERWISE.</p> <p>15. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON INDIVIDUAL SHEETS SHALL BE APPLIED TO RELATED DRAWINGS AND DETAILS.</p> <p>16. INTERIOR PARTITION MOVEMENT CONTROL - VERTICAL CONTROL JOINTS FOR ALL PARTITIONS ARE TO OCCUR AT NOT MORE THAN 30'-0" O.C. IN THE HORIZONTAL DIRECTION UNLESS NOTED OTHERWISE.</p> <p>17. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL PARTS OF THE WORK SO THAT NO WORK SHALL BE LEFT IN AN UNFINISHED OR INCOMPLETE CONDITION.</p>	
<p>Print Record No. 09-23-2024 Date 09-23-2024 Description ISSUED FOR PRICING</p>		<p>Drawn By BNC Checked By AM Date 05-16-2025 Job No. 24004 Sheet Title COVER SHEET Sheet No. CS-1.01 NOT RELEASED FOR CONSTRUCTION</p>	

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

BUILDING DATA	
OCCUPANCY CLASSIFICATION: BUSINESS (NFPA CHPT. 38-39) GROUP B (IBC CHPT. 6)	
TYPE OF CONSTRUCTION (IBC): TYPE V-B, PROTECTED, SPRINKLERED	
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (IBC TABLE 803.9): CORRIDORS C ROOMS AND ENCLOSED SPACES C	
OCCUPANCY SEPARATIONS (IBC TABLE 508.3.3): B TO S-1 = 0 HRS B TO S-2 = 1 HRS S-2 TO S-1 = 1 HRS	
BUILDING AREAS (IBC): LEVEL 100 TENANT = 1,928 GSF LEVEL 200 TENANT = 1,588 GSF	
BUILDING OCCUPANCY (NFPA): LEVEL 100 TENANT = 73 PERSONS LEVEL 200 TENANT = 17 PERSONS	
APPLICABLE CODES	
2018 INTERNATIONAL BUILDING CODE WITH GEORGIA AMENDMENTS (2020)(2022)(2024)	
2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH GEORGIA SUPPLEMENTS AND AMENDMENTS (2020)(2022)(2023)	
2018 INTERNATIONAL FIRE CODE WITH GEORGIA AMENDMENTS (2020)	
2018 INTERNATIONAL PLUMBING CODE WITH GEORGIA AMENDMENTS (2020)(2022)(2023)(2024)	
2018 INTERNATIONAL MECHANICAL CODE WITH GEORGIA AMENDMENTS (2020)(2024)	
2018 INTERNATIONAL FUEL GAS CODE WITH GEORGIA AMENDMENTS (2020)(2022)	
2020 NATIONAL ELECTRICAL CODE WITH GEORGIA AMENDMENTS (2021)	

LIFE SAFETY PLAN LEGEND	
SEPARATION PER IBC CHAPTER 5	
EXISTING PARTITION	NON-RATED PARTITION
1-HOUR RATED PARTITION	
OCCUPANCY PER LSC 7.3.1.2 PER GEORGIA AMENDMENTS TO THE IBC	
AREA SF / OCCUPANT LOAD FACTOR = OCCUPANCY COUNT (REFER TO PLANS FOR ROOM OCCUPANCY CALCULATIONS)	
EXIT SIGNS PER IBC 10.1.1	
EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION)	
EXTINGUISHER LOCATION PER NFPA 10	
● FE BRACKET MOUNTED FIRE EXTINGUISHER	
CAPACITY PER LSC 7.3.3.1	
STAIRS = 0.3" / PERSON DOORS = 0.2" / PERSON 32"W DOOR = 30" CLR. = 150 CAPACITY 36"W DOOR = 34" CLR. = 170 CAPACITY 42"W DOOR = 40" CLR. = 200 CAPACITY 48"W DOOR = 46" CLR. = 230 CAPACITY 68"W DOOR = 64" CLR. = 320 CAPACITY 72"W DOOR = 68" CLR. = 340 CAPACITY 96"W DOOR = 92" CLR. = 460 CAPACITY	
TRAVEL DISTANCE LIMIT - MAX. 300 FT. SPRINKLERED	
COMMON PATH LIMIT - MAX. 150 FT. SPRINKLERED	
DEAD END LIMIT - MAX. 50 FT. SPRINKLERED	
PATH OF EGRESS WITHIN BUILDING ➡ ➡ ➡ ➡ ➡	
TRAVEL DISTANCE & COMMON PATH (SEE NOTES ON PLANS)	
NUMBER OF EXITS PER IBC 1015 & LSC 7.4.1.2	
00 ACTUAL EGRESS COUNT	00 EGRESS CAPACITY OF STAIR
00 EGRESS CAPACITY OF EXIT	
DOORS PER IBC 715.4	

PLUMBING FIXTURE REQUIREMENTS (IBC 2902.01)				
OCCUPANCY	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINK
BUSINESS	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 100	1	
107 PERSONS	REQUIRED PROVIDED	REQUIRED PROVIDED	REQUIRED PROVIDED	REQUIRED PROVIDED
	M F UNISEX	M F UNISEX	1	1
	1 1 3	1 1 3		

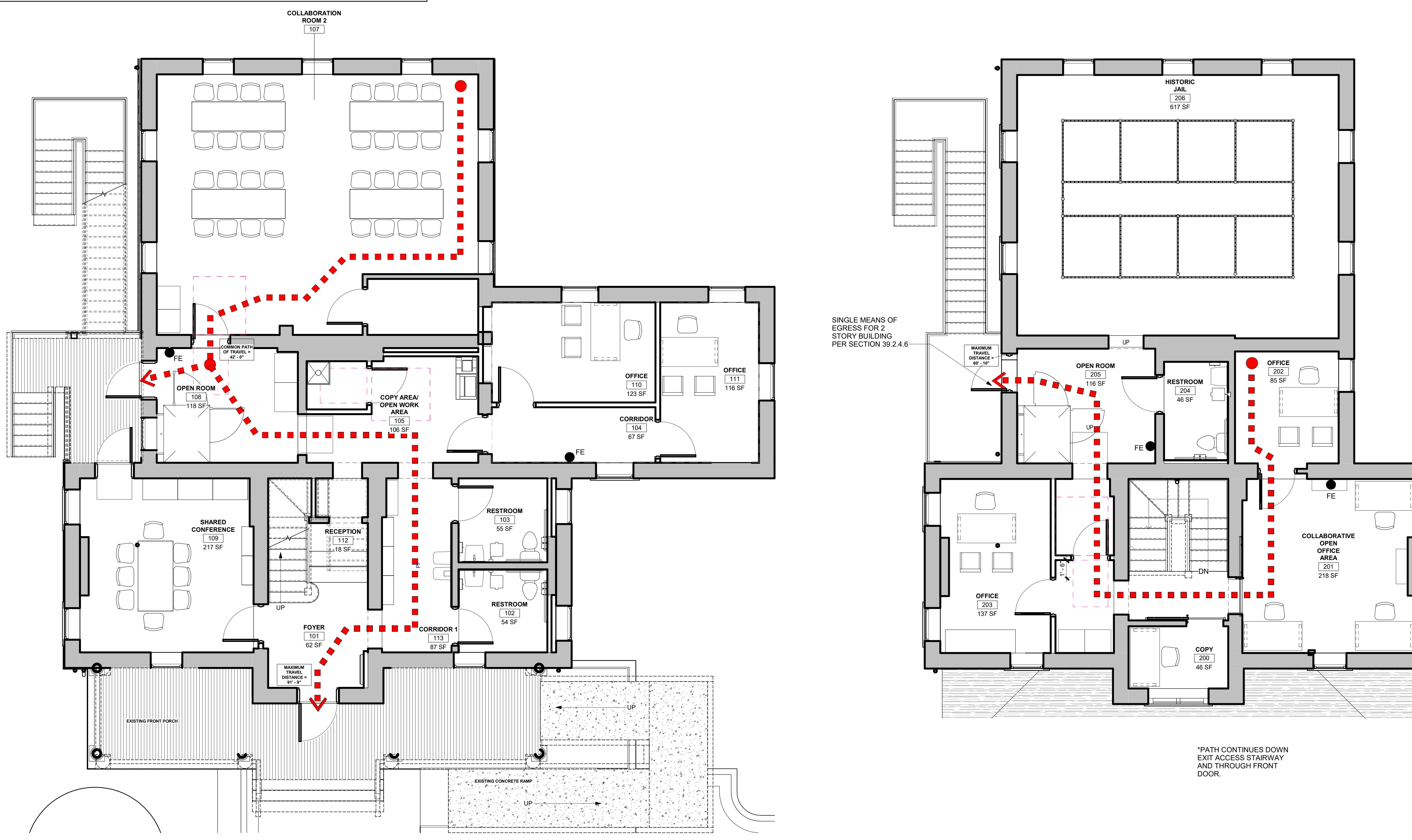
L.S.C. 7.3.1.2. OCCUPANCY SCHEDULE 1ST FLOOR				
ROOM #	ROOM NAME	AREA	OCCUPANT LOAD FACTOR	TOTAL OCCUPANTS
101	FOYER	82 SF	5 NET	12
102	RESTROOM	54 SF	N/A	0
103	RESTROOM	55 SF	N/A	0
104	CORRIDOR	67 SF		
105	COPY AREA/ OPEN WORK AREA	106 SF	150 GROSS	1
106	STORAGE/JANITOR	21 SF	Not Placed	0
107	COLLABORATION ROOM 2	563 SF	15 NET	33
108	OPEN ROOM	118 SF	150 GROSS	1
109	SHARED CONFERENCE	217 SF	15 NET	15
110	OFFICE	123 SF	30 GROSS	10
111	OFFICE	116 SF		
112	RECEPTION	18 SF	15 NET	2
113	CORRIDOR 1	87 SF	N/A	0
114	ELECTRICAL/MDF	46 SF		

L.S.C. 7.3.1.2. OCCUPANCY SCHEDULE 2ND...

ROOM #	ROOM NAME	AREA	OCCUPANT LOAD FACTOR	TOTAL OCCUPANTS
200	COPY	46 SF	150 GROSS	1
201	COLLABORATIVE OPEN OFFICE AREA	218 SF	30 GROSS	7
202	OFFICE	85 SF	150 GROSS	1
203	OFFICE	137 SF	150 GROSS	2
204	RESTROOM	46 SF	N/A	0
205	OPEN ROOM	116 SF	150 GROSS	1
206	HISTORIC JAIL	617 SF	30 GROSS	21
207	CORRIDOR 2	Not Placed	N/A	0

TOTAL: 33

ALPHA BLDG SET 10-06-2025



1 LIFE SAFETY PLAN - LEVEL 1
(COLLABORATION ROOM 2)

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

2 LIFE SAFETY PLAN - LEVEL 2

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

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

PRINT RECORD
No. DATE DESCRIPTION
1 09-23-2024 ISSUED FOR PRICING

Drawn By AM
Checked By JDG
Date 05-16-2025
Job No. 24004

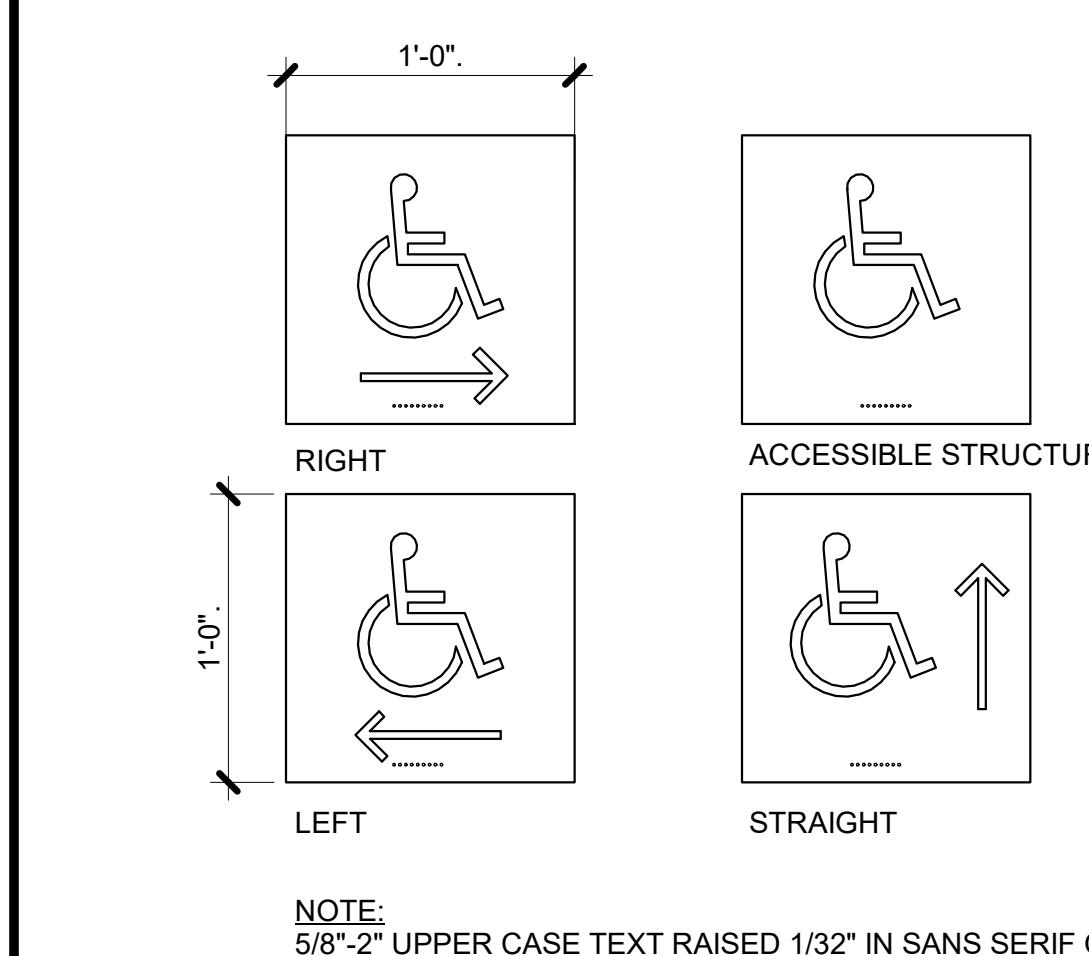
Sheet Title
LIFE SAFETY PLANS

Sheet No.

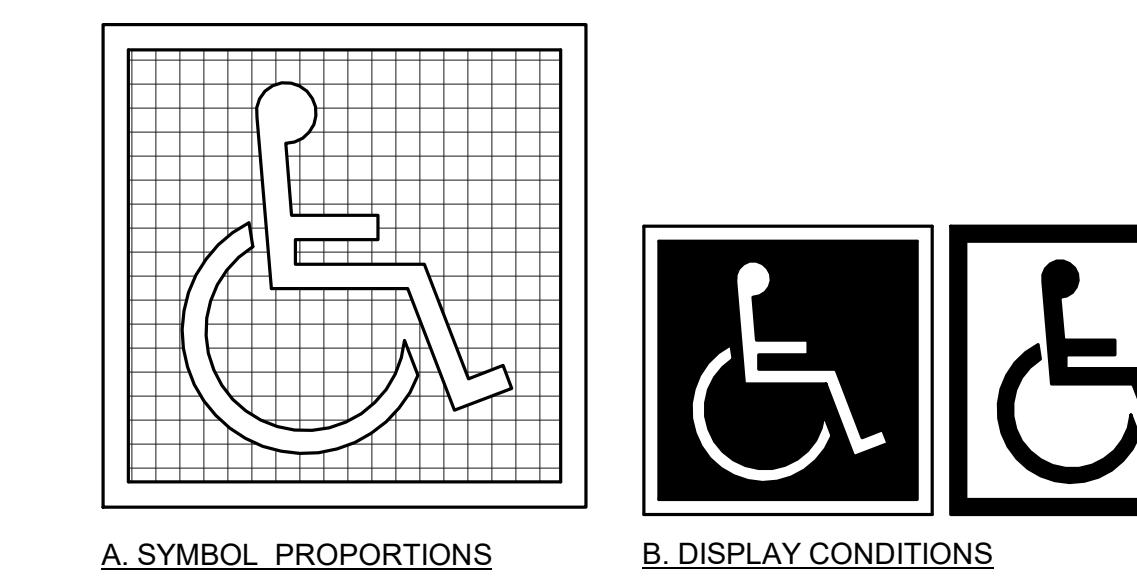
LS-1.01

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ALPHA BLDG SET 10-06-2025



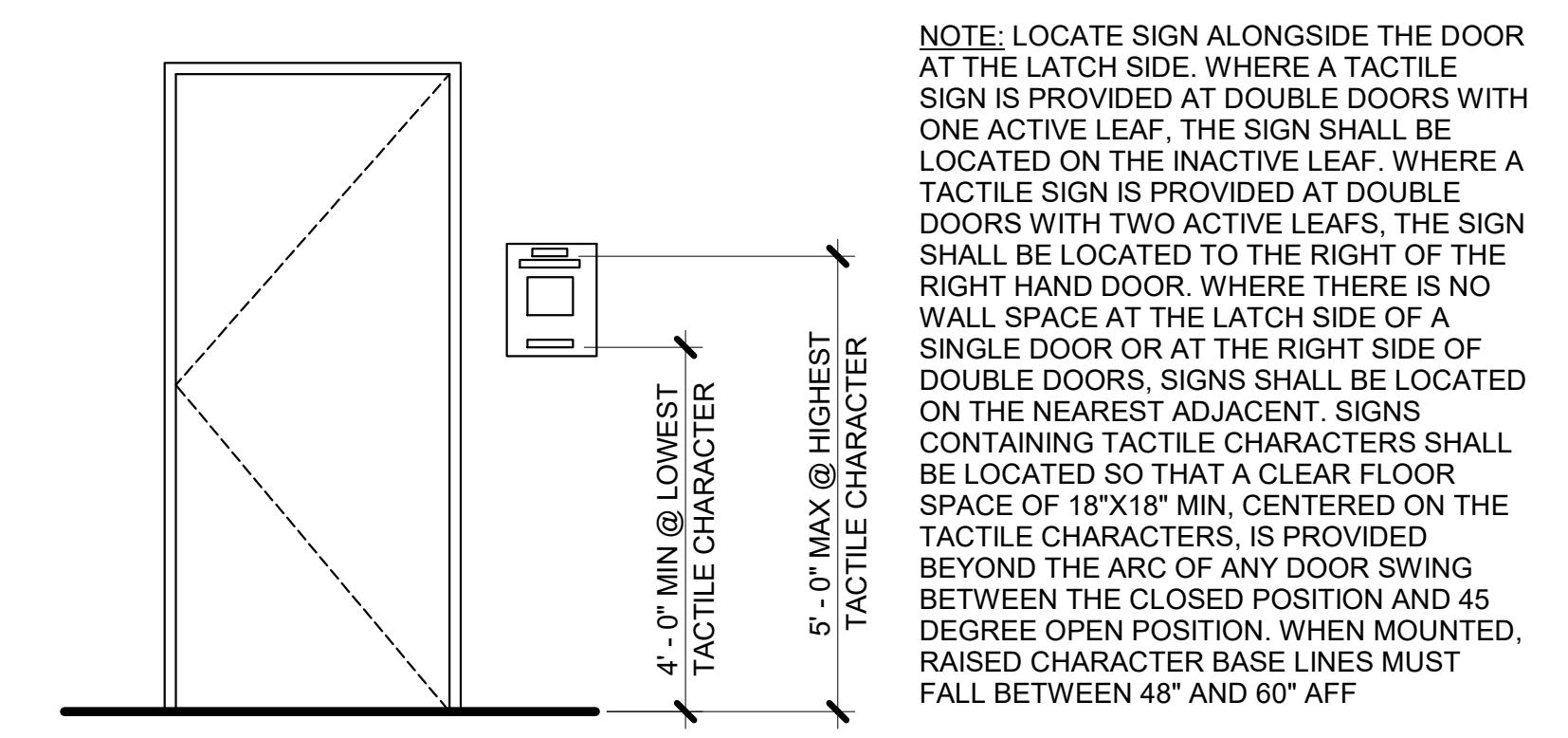
D1 DIRECTIONAL WALL SYMBOLS
NOT TO SCALE



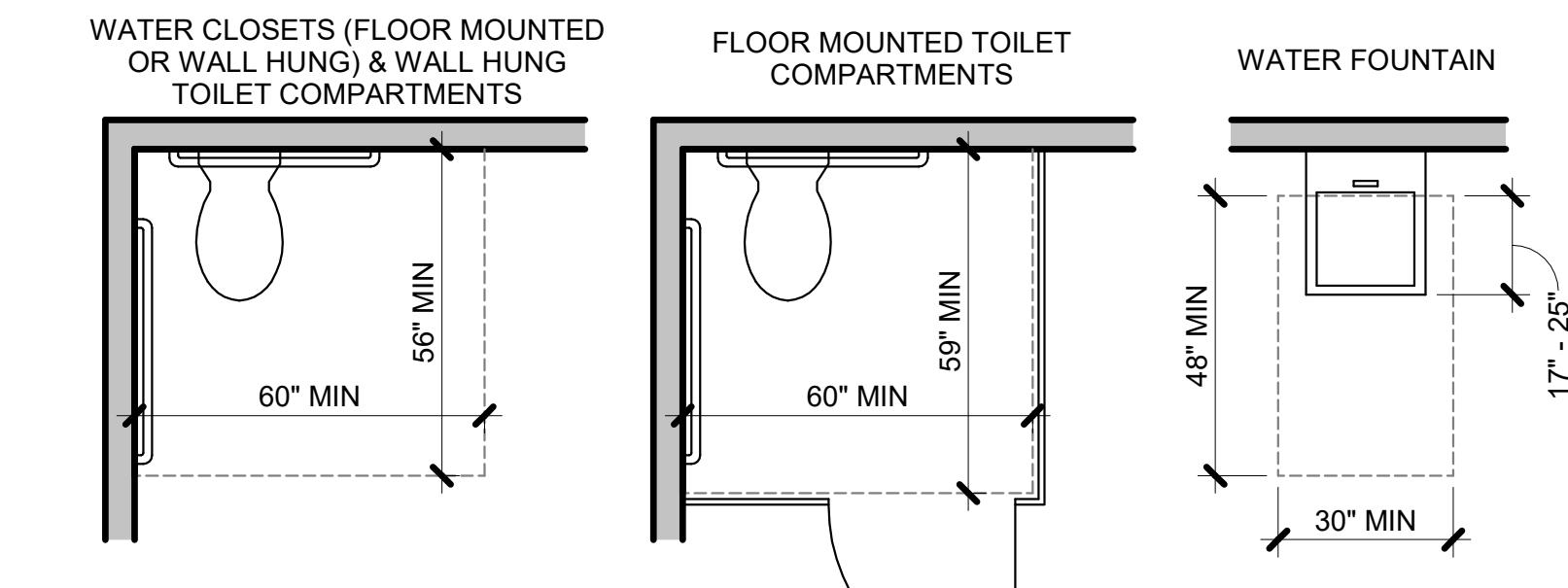
D2 INTERNATIONAL ACCESSIBILITY SYMBOL
SCALE: 12" = 1'-0"

NOTE:
SYMBOL SIZE SHALL BE AS SCHEDULED IN SIGN LAYOUT DIAGRAMS. STROKE WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.
SIGN LETTERS/ NUMBERS WIDTH TO HEIGHT RATIO SHALL BE BETWEEN 1:5 & 1:10.

NOTE:
5/8"-2" UPPER CASE TEXT RAISED 1/32" IN SANS SERIF OR SIMPLE SERIF TYPEFACE WITH GRADE II BRAILLE



D3 SIGNAGE MOUNTING REQMTS
SCALE: 1/2" = 1'-0"



E5 ADA CLEARANCES
SCALE: 3/8" = 1'-0"

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE II BRAILLE.

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8"(15.9mm) AND A MAXIMUM OF 2" (51mm) HIGH.

3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH.

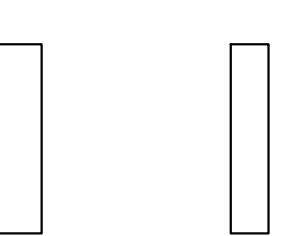
4. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.

ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS I, X AND O AT 1 INCH HIGH. PLACE THE TEMPLATES 1:1 SQUARE OVER THE X OR O, WHATEVER IS NARROWER. IF THE CHARACTER IS NOT SMALLER THAN 1 INCH, IT IS NARROWER THAN 1:1. PRINT THE I TO DETERMINE IF THE STROKE OF THE I IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

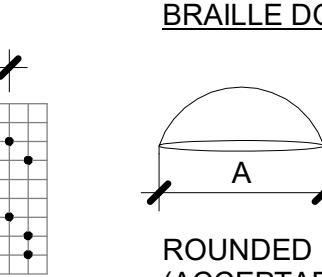
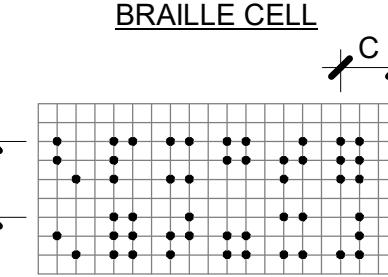
5. BRAILLE: GRADE II BRAILLE SHALL BE USED WHENEVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. SEE CHART FOR DIMENSIONS.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS

CHARACTER WIDTH STROKE WIDTH

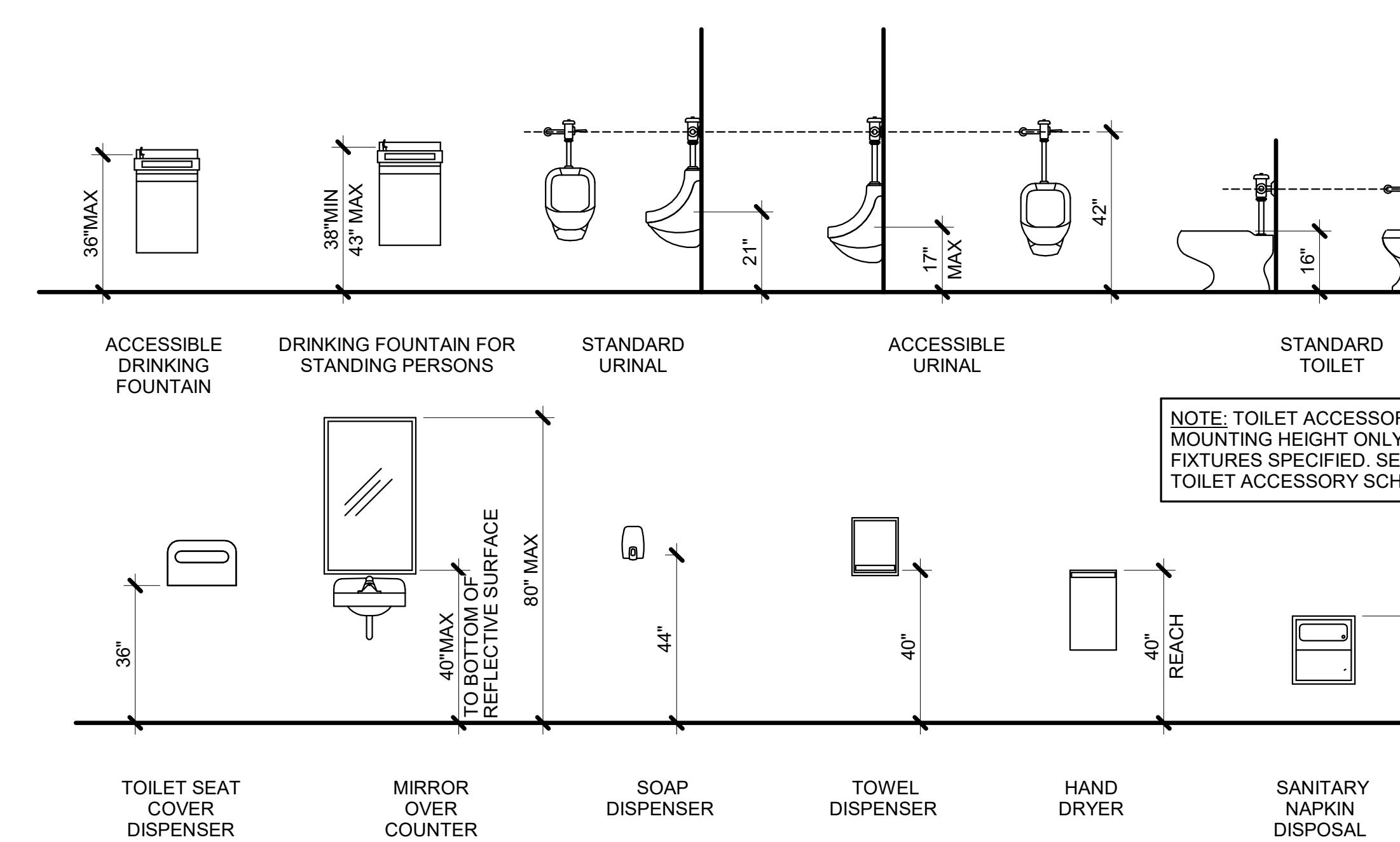


MEASUREMENT RANGE	MIN - MAX
A: DOT BASE DIAMETER	0.059" - 0.063"
B: DOT HEIGHT	0.256" - 0.337"
C: DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.241" - 0.300"
D: DISTANCE BETWEEN DOTS IN THE SAME CELL	0.090" - 0.100"
E: DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395" - 0.400"



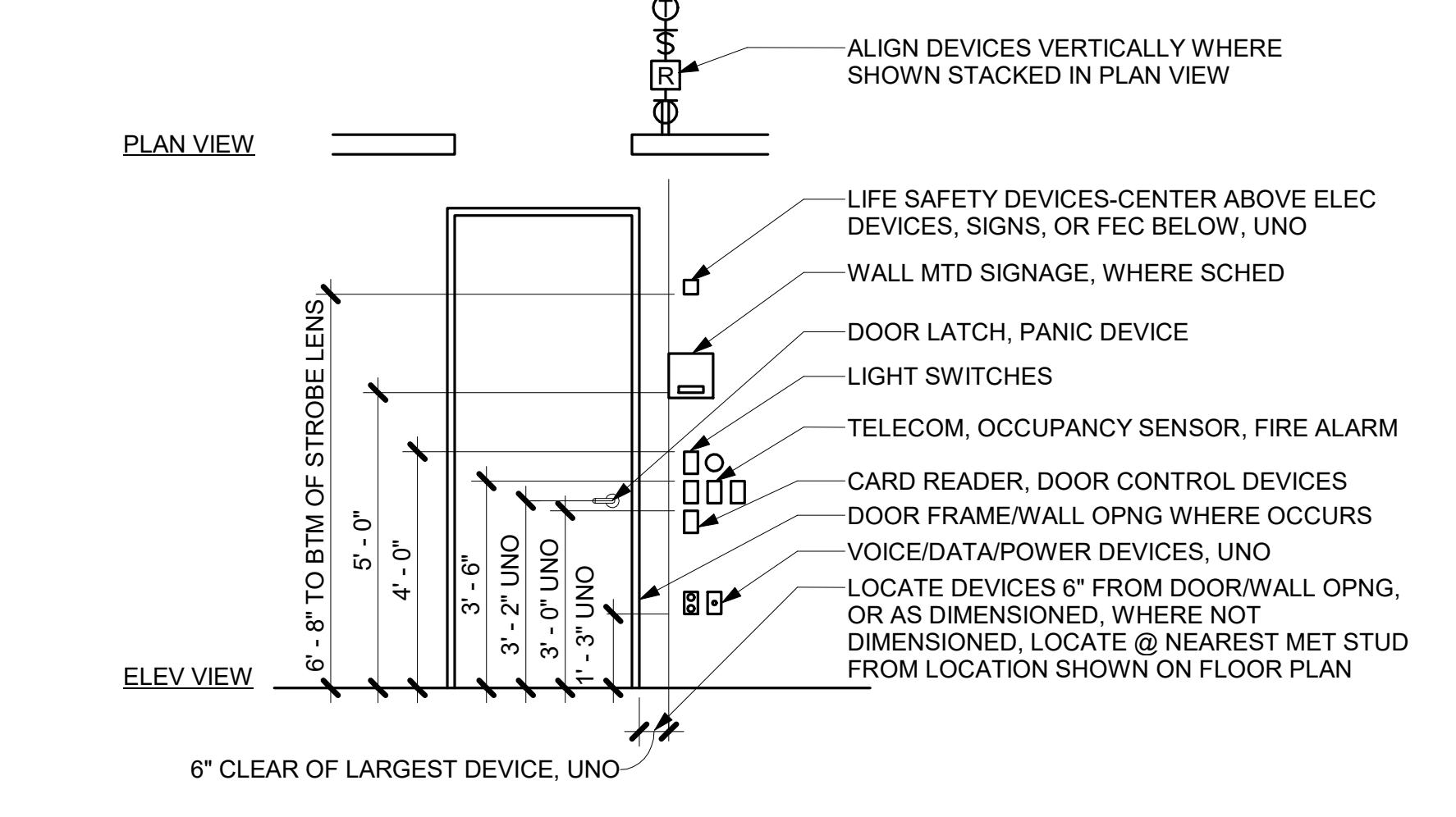
B1 BRAILLE REQUIREMENTS

SCALE: 12" = 1'-0"



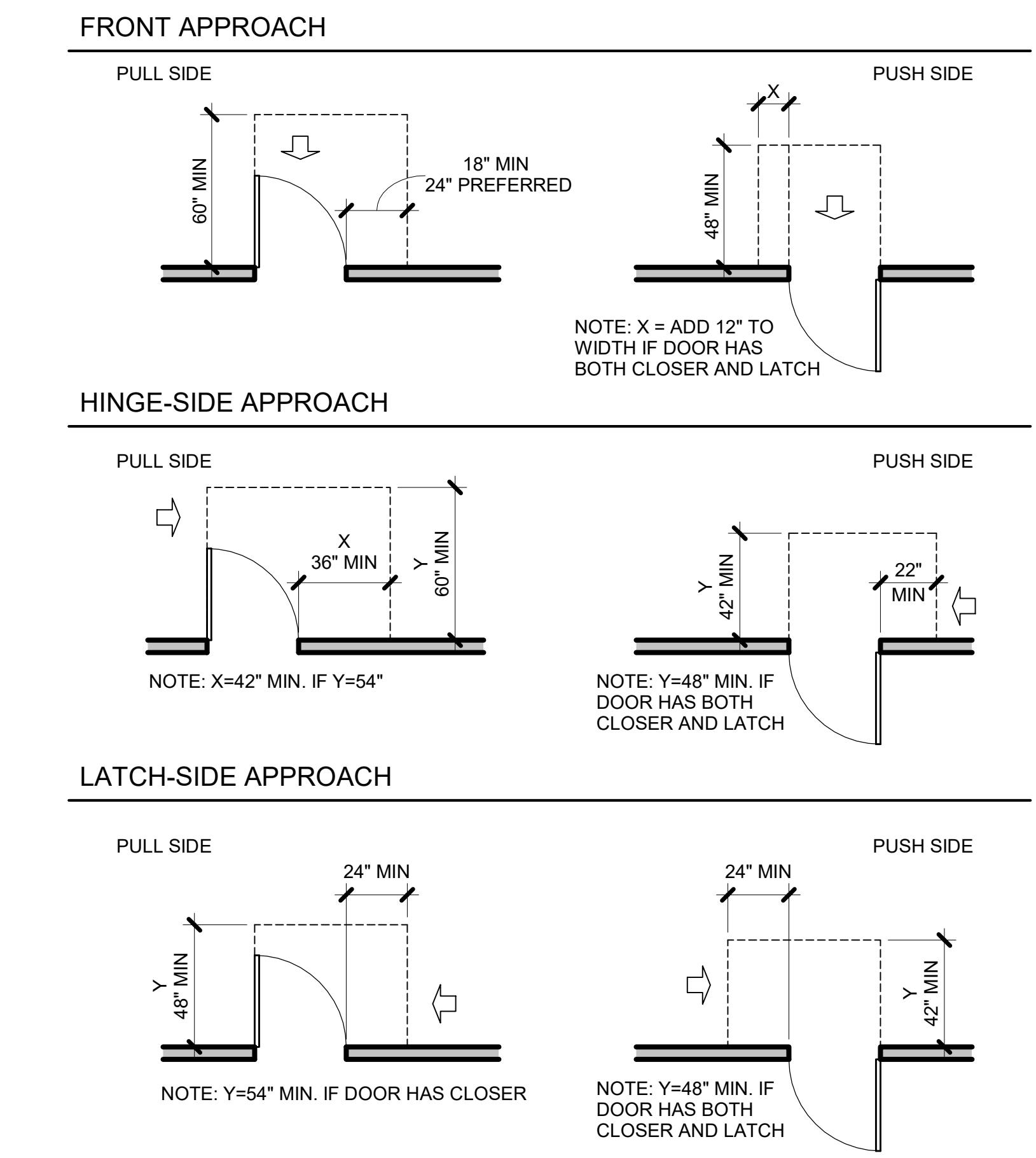
A1 MOUNTING HEIGHTS

SCALE: 3/8" = 1'-0"



B3 DEVICE ALIGNMENT DIAGRAM

SCALE: 3/8" = 1'-0"



B5 DOOR CLEARANCES

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

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

1177 STALLINGS STREET
COVINGTON, GEORGIA

PRINT RECORD		
No.	DATE	DESCRIPTION
1	09-23-2024	ISSUED FOR PRICING

Drawn By **BNC** Checked By **AM**
Date **05-16-2025** Job No. **24004**
Sheet Title **ADA REGULATORY DETAILS & DIAGRAMS**
Sheet No. **G-1.01**

NOT RELEASED FOR CONSTRUCTION

G-1.01

NOT RELEASED FOR CONSTRUCTION

PROJECT SPECIFICATIONS

PROJECT SPECIFICATIONS

00 50 00 GENERAL CONDITIONS

"The General Conditions of the Contract for Construction", AIA Document A201, 2007 edition, or the American Institute of Architects, is made a part of these Contract Documents in its entirety.

01 20 00 PRICE AND PAYMENT PROCEDURES

A. Applications for Payment shall utilize AIA G702, "Application and Certificate for Payment" including required continuation sheets. Approved Schedule of Values shall be used in the same format and values.

B. Submit three copies of each application.

C. When Architect or Owner's Representative requests substantiating information, submit data justifying dollar amounts in question.

D. Submit to the Architect or Owner's Representative for review and approval a Schedule of Values, at least ten consecutive business days prior to submitting first Application for Payment, utilizing AIA Document G703, "Continuation Sheet".

E. Use Project Specification headings as basis for format for listing costs of work under Divisions 02 - 49. Additional breakdown of work in certain sections may also be provided or required if needed or requested by the Architect or Owner's Representative.

01 30 00 ADMINISTRATIVE REQUIREMENTS

A. Contractor shall schedule and administer pre-construction meeting, periodic progress meetings, and specially called meetings throughout the work progress.

B. In order to provide for a regular review and evaluation of the work and a systematic discussion of problems, the Owner's representative, Architect (if included in CA scope) and General Contractor shall meet at a mutually agreed schedule during the construction period. Representatives of contractor, subcontractors, and suppliers shall attend on an as needed basis. Contractor shall prepare agenda for meetings, make physical arrangements, preside, record minutes, and distribute copies of minutes within three days to those in attendance, those affected by decisions, the Owner's Representative, and the Architect, if he is involved during the construction.

C. Owner and Architect may attend meetings to ascertain work is expedited consistent with Contract Documents and construction schedules.

D. The Contractor's relations with his subcontractors and materials suppliers and discussions relative thereto, are the Contractor's responsibility and will not be part of the project meeting content.

E. To the maximum extent practicable, meetings will be held at the job site.

F. Contractor shall apply Contractor's stamp, signed or initialed in blue ink, certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and contract documents.

G. Submit sufficient quantities of project data and shop drawings for Architect or Owner's Representative to retain two copies and for one copy to be retained by Contractor and turned over to the Owner at the completion of the Project.

H. Submit sufficient quantities of samples for Architect or Owner's Representative to retain one copy. Review of submittals is only for conformance with design concept of Project and information in Contract Documents.

I. Maintain an orderly file of submittals bearing the Architect's or Owner's Representative's review stamp for the Project duration at Project site and deliver to Owner's part of Project closeout documents.

J. Maintain at the site for the Owner, one record copy of drawings and specifications, addenda, change orders, construction change directives, approved shop drawings, product data, and samples, field test reports, and RFIs documents.

K. Store in Contractor's field office in file cabinets or racks for storage of documents. Using record documents for construction purposes is prohibited. Label each document "PROJECT RECORD" in large printed and legible letters.

L. If applicable, on drawings legibly mark to record actual construction including depth of foundations, vertical and horizontal locations of underground utilities, field changes of dimension or detail, and any other changes including change orders.

M. It is the responsibility of the General Contractor to maintain the "as built" set of contract documents. These will serve as the as-built record recording all field built conditions and made part of the closeout package.

01 32 16 CONSTRUCTION PROGRESS SCHEDULE

A. Promptly after award of Contract, Contractor shall prepare and submit to Architect or Owner's Representative estimated construction progress schedules for construction activities.

B. A formal "Notice to Proceed" will be issued to mark commencement of project.

C. Progress schedules shall include complete sequence of activity, dates for beginning and completion of each element; show accumulated percentage of each item's completion and total percentage of work completed.

D. Submit initial schedule with 15 days of Contract award. Submit revisions as needed to show major changes in scope or other identifiable changes.

E. Contractor shall submit samples, shop drawings, and product data to Architect or Owner's Representative as required by the specification sections below.

01 40 00 TESTING LABORATORY SERVICES

A. If required for the project, the Owner shall employ and pay for services of independent testing laboratory acceptable to Architect or Owner's Representative to perform specified services and testing.

01 43 30 SPECIAL INSPECTIONS

A. If required for the project, the Owner will retain the services of a qualified licensed Architect or Engineer to serve as "Special Inspector(s)" to perform inspections pursuant to the Statement of Special Inspections scheduled on the drawings. Approved Special Inspector(s) shall provide testing and verification reports to Owner, architect, building official, and structural engineer of record which indicate the inspected work was done in conformance with approved construction documents.

01 50 00 TEMPORARY FACILITIES, CONTROLS, AND UTILITIES

A. Temporary construction office - provide all temporary facilities as required to build this project with sufficient space for Contractor's personnel, telephone/fax, and office space complete with desk and layout board.

B. Temporary storage facilities - if required, provide with weatherlight, secure storage sheds or trailers, type and size required for storage. Locate where directed by Owner. Owner is not responsible for securing the temporary storage facility and any theft or loss that may occur.

C. Electrical service - Terms to be discussed prior to execution of contact between Owner and General Contractor. Electrical for construction purposes may be obtained from Owner's present facility, coordinate with Owner's Representative. Provide temporary lighting for construction purposes as required by OSHA or local code.

D. Telephone/Wi-Fi/Fax - provide telephone, telephone message service, Wi-Fi and fax service to the temporary construction office.

E. Temporary heat and ventilation - Maintain spaces in range of 600 F to 800 F, unless product manufacturer for a particular product calls for more stringent requirements. Interior renovation within an existing building, maintain spaces in range of 600 F to 800 F, unless product manufacturer for a particular product calls for more stringent requirements.

F. Water service - Terms to be discussed prior to execution of contact between Owner and General Contractor. Water for construction purposes may be obtained from Owner's present facility, coordinate with Owner's Representative.

G. Sanitary toilet facilities - Provide and maintain temporary toilet facilities and enclosures for construction personnel. Using permanent new or existing facilities in the building is prohibited by construction personnel.

H. Project sign - order and erect or position sign as requested by Owner's Representative, or as indicated in the Construction Documents. Coordinate location with Owner's Representative.

01 60 00 PRODUCT REQUIREMENTS

A. Provide new products unless specifically required or permitted by Contract Documents.

01 70 00 EXECUTION AND CLOSEOUT REQUIREMENTS

A. Clean-up during construction - execute cleaning procedures to ensure building interior, project site, and adjacent properties are maintained free from construction debris and rubbish. Maintain site, both exterior and interior, in clean and orderly condition. Provide covered, on-site containers for waste collection.

B. Final cleaning - clean finish surfaces in accord with manufacturer's product data and requirements specified in sections not more than 48 hours prior to Date of Substantial Completion. Remove dust, debris, oils, stains, fingerprints, manufacturer's product labels and temporary labels from exposed interior and exterior surfaces, include washing and polishing interior and exterior glazing materials, vacuum carpeted and soft surfaces. Broom clean paved surfaces. Protect, maintain and clean inside of all HVAC supply and return ductwork free from dust and debris, and install new clean set of HVAC system filters not more than 48 hours prior to Date of Substantial Completion. Clean plumbing fixtures. Replace spent lamps and bulbs and clean lighting fixtures to "like-new" condition.

C. Submit operation and maintenance manuals - submit at issuance of Date of Substantial Completion or 15 days prior to final inspection whichever date is earlier. Submit in duplicate, in 8 1/2" x 11-inch format in D size ring binders with plastic covers including an electronic version of all documents in PDF format on a CD. Internally divide with permanent page dividers logically organized. Include:

1. Part 1 - Directory: list names, addresses, telephone numbers of Architect, Contractor, subcontractors, major equipment suppliers, and local service for major equipment.

2. Part 2 - Operation and Maintenance Instructions: arrange by system further subdivided by specification section and include significant design criteria, equipment list, component parts list, operating instructions and maintenance instructions.

3. Part 3 - Project Documents and Certificates: include shop drawings and product data, air balance reports, certificates, and photocopies of warranties and bonds.

D. Certificates from governing code authorities/AHJ indicating construction has been inspected as required by laws or ordinances and building is approved for occupancy.

E. Warranties - Provide executed warranty in writing, indicate Date of Substantial Completion and warranty expiration date. Warranty period begins on Date of Substantial Completion and continues for one year unless otherwise indicated in individual specification sections or otherwise provided by individual manufacturers' warranties.

F. Record Documents - Provide set of Record Documents with final Application for Payment. This includes a scanned copy of the as-built set of contract documents identifying, including but not limited to, the completed walls and PROSOCO Burnished Custom Masonry Cleaner (dilute 1 part to 3 parts clean water), strictly following the manufacturer's instructions - including thorough rinsing. Do not use acids or abrasives on the finished surfaces

DO NOT OVERWASH

FINISH COAT APPLICATION

For completely finished walls, a finish coat of TRENDICOAT

Acrylic (minimum 20% solids content) or TRENDICOAT WB (water-base) is recommended. Apply to walls after clean down and when the walls are dry. Apply the acrylic evenly to cover the entire surface without forming drips or runs. For maximum coverage and best appearance, apply with airless spray equipment.

MAINTENANCE

Properly installed and cleaned, units need virtually no maintenance other than routine cleaning (i.e. Pinosol or Fantastik). Graffiti, paint or dye stains may need special cleaning methods.

06 10 00 ROUGH CARPENTRY

A. Lumber shall be #2 Southern Pine or Western Lumber. Miscellaneous furring and nailers shall be utility grade Southern Pine. Nailers and blocking associated with roofing and flashing systems shall be preservative and fire-retardant treated. Exterior plywood shall be CC-EXT-APA, Group I. Interior plywood shall be A-D, INT-APA, Group 1. Fire-retardant-treated wood.

B. Provide concealed blocking, nailers, and supports for securing applied fixtures and fittings; specific drawings shall be indicated on the drawings.

C. Provide concealed blocking, nailers, and supports for securing base cabinets and wall mounted cabinets to partitions. Reference drawings for locations of base and wall mounted cabinets.

D. Provide concealed blocking, nailers, and supports for securing video/tv./monitors to partitions. Reference drawings for locations of wall mounted video/tv./monitor locations.

E. Backboards at phone equipment shall be 3/4" fire treated plywood, painted face and all exposed edges. Sand, prime and ease all edges prior to painting.

F. Nailing schedule shall be in accord with current edition of International Building Code.

G. Install rough carpentry work cut square, bearings, closely fitted, accurately set to required lines and levels and secured in place. Brackets apply preservative treatment to cut ends of treated lumber.

Covering location of blocking and nailers with locations of finishing materials, fixtures, specialty items and trim. Install plywood with face grain perpendicular to supports. Eliminate panels over supports, allowing 1/8" between end joints and 1/4" between edge joints for expansion and contraction.

H. Maintenance training - provide a training class for each of the primary systems. Training class shall include Owner and/or Owner's designated representative. General Contractor shall video tape training class for archiving and reference by the Owner and/or Owner's designated representative.

FOR THE FOLLOWING MATERIAL SPECIFICATIONS, REFERENCE AND COMPLY WITH THE MANUFACTURER'S PRODUCT LITERATURE, SPECIFICATIONS, AND WRITTEN INSTRUCTIONS ON INSTALLATION UNLESS OTHERWISE NOTED.

02 41 00 BUILDING DEMOLITION

A. Comply with the most recent applicable codes for demolition of structures, safety of adjacent structures, noise control, and dust control. Obtain required permits, notify affected utility companies and comply with their requirements, conform to regulatory procedures when hazardous or contaminated materials are discovered, and do not close or obstruct roadways without permits.

B. Suspend operations immediately if hazardous or contaminated materials such as asbestos or polychlorinated biphenyl, not previously rendered harmless, are encountered. Contact Architect and Owner in writing. Do not resume operations until directed, hazardous or contaminated materials have been rendered harmless, and conditions are agreed to by Owner and Contractor in writing.

C. Provide and maintain temporary barriers and security procedures as required to protect property and people and to meet the requirements of the General Conditions. Protect existing landscaping, appurtenances and structures that are not to be demolished. Prevent movement or settlement of adjacent structures. Provide bracing and shoring. Mark location of all utilities prior to proceeding with scope of work.

D. Minimize interference with adjacent structures and public or private access. Maintain protected egress and access at all times. Obtain written permission from adjacent property Owners when demolition equipment will traverse or infringe upon their property. Suspend operations immediately if adjacent structures appear to be in danger, contact Architect and authority having jurisdiction, do not resume operations until directed. Provide hoses and water connection to sprinkle demolition area with water to minimize dust. It is the sole responsibility of the General Contractor to confine dust and odors to construction area and quickly remediate any breaches in containment.

E. Contractor shall submit samples, shop drawings, and product data to Architect or Owner's Representative as required by the specification sections below.

04 42 00 POLISHED MASONRY VENEER

PART I - GENERAL

Provide Specific Product, No Substitutions. Verastone Plus filled and polished units are filled with a continuous grout and are made through a two-stage production process. Both the ground face and filled and polished surfaces shall have a factory-applied heat-treated acrylic or water-based sealer finish. All units contain a manufacturer-approved integral water repellent CMU admixture at the time of manufacturing.

FIELD CONSTRUCTED MOCK-UPS: Construct a sample panel, no less than 6' x 4', of units to be used in the project. A full-size unit is required to illustrate color and texture for _____.

This panel will represent both the quality of the product and the workmanship to be expected for the project. The panel must be approved by either the owner or architect for the project. Manufacturer will provide 4" units for a 4' by 4' sample panel at no cost for the material (excluding freight to site).

H. Lumber (Verify all species selections with drawings):

1. Exposed and semi-exposed painted millwork and trim: Custom Grade Poplar or Custom Grade White Pine, kiln dried.

2. Interior standing and running trim: Custom Grade Poplar or Custom Grade White Pine, kiln dried. Install in single, unjointed lengths for openings and runs less than 16'-0". Stagger joints in adjacent members. Cope at returns, miter at corners.

I. Hardware

1. Door and drawer pulls to be 4" matt nickel stainless steel.

2. Concealed hinges to be Grade 2 (structural duty), 170 degrees opening.

3. Door and drawer locks: provide elbow catches on un-keyed leaf of pair of doors. If electronic push button, provide battery operated with low battery indicator.

4. Drawer Slides to be full extensions slides; 100lb per slide per standard drawer, 150lb per slide per standard file drawer and 250lb per lateral file drawer.

5. Shelf standards to be same color as cabinet interior.

J. Countertops shall have 1-1/2" radiused corners as indicated on drawings, U.N.O.

PART III - EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include manufacturer approved matching water repellent additive added to each batch in the appropriate dosage rates for mortar type (M, S or N) per manufacturer's instructions. Refer to NCMA TEK Notes, available at EchelonMasonry.com, for hot and cold weather construction practices.

Leave uniform joints and lay units in a staggered pattern. Lay units in a staggered pattern.

Level and true the wall as required by the manufacturer's instructions.

Do not lay units in a vertical pattern.

Do not lay units in a horizontal pattern.

Do not lay units in a diagonal pattern.

Do not lay units in a random pattern.

Do not lay units in a herringbone pattern.

Do not lay units in a basketweave pattern.

Do not lay units in a herringbone basketweave pattern.

Do not lay units in a basketweave herringbone pattern.

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PROJECT SPECIFICATIONS

PART III – EXECUTION

- A. Take field measurements before fabrication where possible; do not delay job progress.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals.
- C. Coordinate with work of other sections.
- D. Anchor securely in place; install plumb, level and in true alignment. Isolate dissimilar materials to prevent corrosion.
- E. Clean and protect completed system; repair damage.

08 31 00 ACCESS DOORS

- A. Non-rated flush type access doors with trimless frames for tile, walls and ceiling shall be Karp Associates Inc. or equivalent. The frame shall be 16 gauge steel, the door shall be 14 gauge steel with continuous piano hinge spring type closer. Provide a flush screwdriver operated locking, baked on enamel primer, size 8" by 8" minimum or as indicated on drawings.

- B. Fire-rated flush type access doors with trimless frames for tile, walls and ceiling shall be Karp Associates Inc. or equivalent. Match adjacent construction up to 1-1/2 hr. wall and 3 hr. ceiling. The frame shall be 16 gauge steel and the door shall be 14 gauge steel with a core of mineral-fiber insulation enclosed in sheet metal and a continuous piano hinge spring type closer. Provide a self-latching bolt operated by a flush screwdriver with interior release. Door to be baked on enamel primer and size 8" by 8" minimum or as indicated on drawings.

- C. Provide access doors at locations where access to Mechanical/Electrical/Plumbing valves, controls, filters and maintenance paths are required.

08 71 00 DOOR HARDWARE

- All exterior (if applicable) and interior doors shall comply with NFPA 101 Life Safety Code 2018 Edition and current Georgia Accessibility Code. Doors shall be provided with handicapped accessible hardware including levers, panic hardware, u-shape designed devices, closers, etc.

- A. If applicable - building exterior or suite entry door, door hardware to be Building Standard.

- B. Interior door hinges, interior locksets and latchesets to be Building Standard or as directed by Owner. Hospital push/pull latches to be ABH Manufacturing or equal; interior door closers to be Building Standard, overhead door stop to be Glynn-Johnson; wall stops to be Burnes or equal.

- C. Flush bolts, door silencers, kick plates, armor plates and panic exit device to be Building Standard or as directed by Owner.

- D. Obtain each type of hardware from a single manufacturer. Hardware supplier shall be a recognized architectural door hardware supplier that employs an experienced architectural hardware consultant (AHC) who is available to Owner, Architect, and Contractor for consultation. Submit proposed hardware schedule developed by AHC organized into hardware sets for each door or opening to Owner's Representative for review and approval prior to ordering hardware.

- E. Material and finishes: Coordinators - 600 (USP). Other items 630 (US32D) or 626 (US26D) if not commercially available. Architect to select final color.

- F. Warranty door hardware for one-year period and door closers for ten-year period.

- G. Hinges, provide full mortise hinges, heavy duty ball bearing butt with non-rising stainless-steel pins, exterior doors non-removable pins, 4 1/2" by 4 1/2" unless otherwise required for proper operation, 3 hinges per door leaf minimum, Continuous hinge to be placed on doors 3'-6" wide and over door leafs. Aluminum hinge at all non-rated doors, stainless steel hinge at rated doors. Acceptable manufacturers are Hager Hinge Company, Lawrence Brothers, Stanley Works and Marker Products, 100/300 series.

- H. Lock cylinders and keying, supplier will meet with Owner to finalize keying requirements. Master key to Owner's current or new system. Cylinders shall be manufacturer's standard 6-pin tumber cylinders, constructed from brass/bronze, stainless steel or nickel silver. Furnish 2 change keys for each lock and 6 master keys.

- I. Locksets, latchesets, and specialty locks shall be Building Standard (unless directed by the Owner), heavy-duty commercial cylindrical type, 2 3/4" backset. Lever to be Building Standard (unless directed by the Owner). Furnish locksets and latchesets with sufficient strike lip to protect door trim.

- J. Surface mounted door closers shall be Building Standard. Provide closers as shown on door schedule. Powder coat finish to match adjacent door hardware.

- K. Stops and Holders: overhead door stop shall be Glynn-Johnson series 90 and/or 100, wall stop to be Burnes 565 and floor stop to be 535. Where practical use wall stops unless noted otherwise on drawings. Other acceptable manufacturers are Rockwood Manufacturing and H.B. Ives. Provide stops at all doors.

- J. Flush bolts shall have a 3/4" throw, complete with dust-proof bottom and top strike plate to be Building Standard (unless directed by the Owner).

- K. Kickplates shall be Rockwood Manufacturing, K1050 series, kickplates shall not more than 1-1/2" less than door width on stop side and not more than 1/2" less than door width on pull side. Armor plates to be Rockwood Manufacturing, K1050A-6 series.

- L. Thresholds shall be National Guard Products Inc., #425, extruded smooth mill finish. Other acceptable manufacturers are Reese and Zero Weatherstripping Company. Provide at all exterior doors.

- L. Weatherstripping shall be National Guard Products Inc., #133 SA door seals and #200SA door bottom seals. Other acceptable manufacturers are Reese and Zero Weatherstripping Company. Provide at all hollow metal exterior doors.

09 21 16 GYPSUM BOARD ASSEMBLIES

- All gypsum board systems shall be in accordance with recommendations and instructions published by U.S. Gypsum Company's "Gypsum Construction Handbook", latest edition.

- A. Non-loadbearing metal framing materials: Metal framing shall be cold-rolled, galvanized steel studs and runners, stud gauge as required by manufacturer's product data for heights and conditions of use; maximum deflection of 1/240; sizes indicated.

- B. Gypsum board: Exterior gypsum sheathing shall be moisture and fire-resistant type, thickness as indicated, with square edges. Standard gypsum board shall be 5/8" thickness, tapered edges. Fire retardant gypsum board shall be Type 'X', 5/8" thickness, tapered edges. Provide Dens-Shield DS012 gypsum board (or equal) at all non-tile wet walls. Provide Dens-Shield DS001 gypsum board (or equal) at all wet walls to receive ceramic tile. Minimize butt end joints, especially in highly visible locations. Use screws for attachment of all gypsum board.

- C. Acoustic ceilings: 6" x 20 GA metal joists, or as otherwise indicated on drawings at 16" o.c. with denim batt acoustic insulation. Sheath with 1/2" sound board with applied mass loaded vinyl sound barrier covered with Green glue. Provide 3/4" gypsum wall board metal clips @ 16" on center, horizontal, screwed to mass loaded vinyl. Overlay with 5/8" gypsum wall board applied to clips, tape and spackle all joints. Finish with batt insulation and acoustical ceiling tile system as indicated on drawings.

- D. Acoustic partitions: 5 1/8" x 20 GA metal studs at 16" o.c. with denim batt acoustic insulation. Sheath with 1/2" sound board with applied mass loaded vinyl sound barrier adhered with Green glue. Provide 3/4" gypsum wall board metal clips @ 16" on center, horizontal, screwed to mass loaded vinyl. Overlay with 5/8" gypsum wall board applied to clips, provide level 5 finish.

- E. Joint tape, perforated type recommended for board type use. Joint compound, ready mixed tape embedding and taping compounds, type recommended for board type use.

- F. Sound Attenuation Blankets: for partition and ceiling cavities, sound blankets shall be unfaced mineral-fiber blanket insulation manufactured from slag wool or rock wool with thermosetting resins to comply with ASTM C665. Blankets shall have a minimum density of 2.5pcf, 1-1/2" thickness.

- G. Tape fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes. Feather coats of joint compound so that camber is maximum 1/32 inch. Surfacing material to be U.S. Gypsum Company, Sheetrock First Coat.

- H. Accessories include corner reinforcement, Unimast Inc. SHEETROCK No. 800. Metal jamb, ceiling and casing "U" and "J" shaped trim providing edge protection and neat finished edges, Unimast Inc. SHEETROCK Trim No. 801 series. Resilient channel, Unimast Inc. RC-1 Resilient Channel, 25 gauge galvanized steel.

- I. Provide aluminum wall mullion end caps to match the color of existing window mullions where partitions terminate at window mullions.

- J. Install framing at indicated spacing, plumb and rigid in accord with ASTM C754. Apply wallboard and fasten at intervals recommended by wallboard manufacturer. Apply embedding, filling and finishing coats of joint compound to all joints, with joint tape in the embedding coat. Install sound attenuation blankets where indicated. Partitions receiving sound attenuation blankets shall have acoustical sealant around perimeter of partition and penetrations on both sides of partition.

- K. Install framing at indicated spacing, plumb and rigid in accord with ASTM C754. Apply wallboard and fasten at intervals recommended by wallboard manufacturer. Apply embedding, filling and finishing coats of joint compound to all joints, with joint tape in the embedding coat. Install sound attenuation blankets where indicated. Partitions receiving sound attenuation blankets shall have acoustical sealant around perimeter of partition and penetrations on both sides of partition.

- L. Extra Materials: Supply for each finish coating material, color and finish specified, one gallon of coating material, marked with color and finish identification.

09 31 10 PORCELAIN TILE

- A. Install porcelain tile per the TCA installation guidelines (Handbook for Tile Installation). Install tile only on sound substrates, maintaining exposed surfaces free of setting materials.

- B. Install expansion joints with sealant not less than 1/4 inch wide where tile work abuts restraining surfaces such as perimeter walls, curbs, columns, pipes, etc.

- C. Mortar shall be latex-portland cement for this setting and shall comply with ANSI A118.5. For tiles larger than 14 inch by 14 inch, shall be medium bed latex-portland cement for medium-setting and shall comply with ANSI A118.15.

- D. Grout (color as indicated or drawings as selected by Architect):

- 1. Grout for porcelain tile shall be latex-modified cement, on accordance with ANSI A118.7.

- 2. Epoxy grout where indicated on drawings and shall comply with ANSI 118.3.

- E. Wet Areas (refer to TCA Installation Guidelines):

- 1. General wet areas on elevated slabs: Membrane shall meet ANSI 118.10 and have a minimum thickness of 30 mil.

- 2. Extra Materials: Furnish extra materials in fill-sized tiles matching installed tile in a quantity equal to 2% percent of the amount of each tile type installed.

- E. Lay out tile symmetrically in spaces. Fit tile closely at walls, fixtures and accessories. Install in accordance with applicable portions of ANSI A108. Provides a water-proof membrane under all elevated structured slab restroom ceramic tile floors. Lay out quarry tile symmetrically in spaces. Fit tile closely at walls, fixtures and accessories. Provide sealant joints at perimeter at rooms and at 16'-0" o.c. Install in accordance with applicable portions of ANSI A108 and TCA, Ceramic Tile Installation Handbook.

- F. Grout for porcelain tile shall be latex-modified cement, on accordance with ANSI A118.7.

- G. Epoxy grout where indicated on drawings and shall comply with ANSI 118.3.

- H. General wet areas on elevated slabs: Membrane shall meet ANSI 118.10 and have a minimum thickness of 30 mil.

- I. Extra Materials: Furnish extra materials in fill-sized tiles matching installed tile in a quantity equal to 2% percent of the amount of each tile type installed.

- E. Lay out tile symmetrically in spaces. Fit tile closely at walls, fixtures and accessories. Install in accordance with applicable portions of ANSI A108. Provides a water-proof membrane under all elevated structured slab restroom ceramic tile floors. Lay out quarry tile symmetrically in spaces. Fit tile closely at walls, fixtures and accessories. Provide sealant joints at perimeter at rooms and at 16'-0" o.c. Install in accordance with applicable portions of ANSI A108 and TCA, Ceramic Tile Installation Handbook.

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- F. Grout for porcelain tile shall be latex-modified cement, on accordance with ANSI A118.7.

- G. Epoxy grout where indicated on drawings and shall comply with ANSI 118.3.

- H. General wet areas on elevated slabs: Membrane shall meet ANSI 118.10 and have a minimum thickness of 30 mil.
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CODE AND DESIGN CRITERIA

- SUMMARY OF STRUCTURAL SCOPE OF WORK:**
 - DESIGN OF NEW FRAMING FOR INSTALLATION OF A NEW PLATFORM LIFT
- STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:**
 - INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GEORGIA STATE AMENDMENTS
- STRUCTURE RISK CATEGORY**
 - RISK CATEGORY II
- GRAVITY LOADS**
 - FLOOR DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):**
 - FLOOR FINISH 5 PSF
 - MEP ALLOWANCE 4 PSF
 - CEILING ALLOWANCE 3 PSF
 - ROOF DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):**
 - ROOF 3 PSF
 - MEP ALLOWANCE 4 PSF
 - CEILING ALLOWANCE 3 PSF
 - UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):**
 - CORRIDOR — FIRST FLOOR 100 PSF
 - CORRIDOR — ABOVE FIRST FLOOR 80 PSF
 - LOBBY 100 PSF
 - STAIRS AND EXITS 100 PSF
 - PLATFORM LIFT 150 PSF
 - OFFICE 50 PSF
 - PARTITIONS 15 PSF (WHERE FLR LL < 80 PSF)
 - CONTINUOUS FLOOR LIVE LOADS (DISTRIBUTED OVER AN AREA OF 2-1/2 FEET X 2-1/2 FEET, UNLESS NOTED OTHERWISE):**
 - STAIRS AND EXITS 300 LB (2 INCH X 2 INCH AREA)
 - OFFICE BUILDING 2000 LB
 - UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):**
 - ROOF 20 PSF
- ROOF SNOW LOAD DATA**
 - GROUNDS SNOW LOAD $P_s = 5$ PSF
- ROOF RAIN LOAD DATA**
 - 15-MINUTE DURATION / 100-YEAR RAINFALL $I_{15} = 6.76$ INCHES/HOUR
 - 60-MINUTE DURATION / 100-YEAR RAINFALL $I_{60} = 3.18$ INCHES/HOUR
- WIND DESIGN DATA**
 - BASIC DESIGN WIND SPEED $V_d = 108$ MILES/HOUR
 - ALLOWABLE STRESS DESIGN WIND SPEED $V_{ad} = 84$ MILES/HOUR
 - WIND EXPOSURE B
 - INTERNAL PRESSURE COEFFICIENT $G_{Cp} = +0.18$
 - COMPONENTS AND CLADDING DESIGN WIND PRESSURES
 - ZONE 1 16.0 PSF / -2.7 PSF
 - ZONE 2a 16.0 PSF / -32.7 PSF
 - ZONE 2b 16.0 PSF / -35.0 PSF
 - ZONE 3 16.0 PSF / -40.7 PSF
 - WALLS 21.0 PSF / -22.8 PSF
 - ZONE 5 21.0 PSF / -28.1 PSF
 - POSITIVE PRESSURES INDICATE WIND LOADING TOWARD THE SURFACE. NEGATIVE PRESSURES INDICATE WIND LOADING AWAY FROM THE SURFACE.
 - COMPONENTS AND CLADDING WIND PRESSURES LISTED ABOVE ARE BASED UPON FIGURE 8-1 (WALL) AND FIGURE 30-3.1 (WALL) OF ACSE 7-16 USING A WIDTH OF 10 SQUARE FEET.
- EARTHQUAKE DESIGN DATA**
 - SEISMIC IMPACTOR FACTOR $I = 1.00$
 - MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS
 - 0.2-SECOND PERIOD $S_a = 0.179$
 - 1.0-SECOND PERIOD $S_a = 0.082$
 - SITE CLASS **D** SITE CLASS **D** (ASSUMED DEFAULT)
 - DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS
 - 0.2-SECOND PERIOD $S_a = 0.191$
 - 1.0-SECOND PERIOD $S_a = 0.131$
 - SEISMIC DESIGN CATEGORY SDC **B**
 - EXISTING BUILDING
 - BASED ON THE PROVISIONS OF CHAPTER 34 OF THE STATE-AMENDED INTERNATIONAL BUILDING CODE, STRUCTURAL ELEMENTS OF THE EXISTING STRUCTURE ARE NOT BEING ALTERED OR MODIFIED TO THE EXTENT REQUIRING THE EXISTING SEISMIC LATERAL RESISTING SYSTEM TO BE UPGRADED TO MEET THE PROVISIONS AND REQUIREMENTS OF THE CURRENT BUILDING CODE.
- DEFLECTION CRITERIA**
 - UNLESS NOTED OTHERWISE, CALCULATED INDIVIDUAL MEMBER DEFLECTIONS DO NOT EXCEED THE FOLLOWING LIMITS:
 - FLOOR MEMBERS
 - DEAD LOAD L/360
 - LIVE LOAD L/480
 - DEAD + LIVE LOAD L/300
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 - VERTICAL: NO PROVISIONS HAVE BEEN MADE FOR FUTURE VERTICAL EXPANSION.

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</

STATEMENT OF SPECIAL INSPECTIONS

PROJECT: Newton County Historic Jail Renovation

LOCATION: 1177 Stallings Street; Covington Georgia 30014

PERMIT APPLICANT: —

PERMIT APPLICANT'S ADDRESS: —

ARCHITECT OF RECORD: Doug Shaw, AIA (Jericho Design Group)

STRUCTURAL ENGINEER OF RECORD: Eric D. Blackmore, PE, SE (Wallace Design Collective)

MECHANICAL ENGINEER OF RECORD: Jeffrey McGee, PE

ELECTRICAL ENGINEER OF RECORD: Krunal Patel, PE

REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: Doug Shaw, AIA

This Statement of Special Inspections is submitted in accordance with Section 1705.3 of the 2018 International Building Code and the Special Inspections Services Appendix. This Statement of Special Inspections Project as well as the identity of the individuals, agencies, or firms intended to be retained for conducting these inspections, if applicable, it includes Special Inspections for Wind Resistance and/or Special Inspections for Seismic Resistance.

Are Special Inspections for Wind Resistance included in the Statement of Special Inspections? NO

Are Special Inspections for Seismic Resistance included in the Statement of Special Inspections? NO

The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge at a frequency agreed upon by the Design Professional and the Building Official prior to the start of work. Discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A Final Report of Special Inspections documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

Frequency of interim report submittals to the Registered Design Professional in Responsible Charge:

Weekly Bi-Weekly Monthly Other: specify: _____

Frequency of interim report submittals to the Building Official:

Monthly Bi-Monthly Upon Completion Other: specify: _____

The Special Inspection Program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

Statement of Special Inspections Prepared by: Preparer's Seal

Eric D. Blackmore, PE, SE

Type or print name

Eric D. Blackmore Date 11 October 2024

Building Officials Acceptance:

—

Signature _____ Date _____

Permit Number: _____

SPECIAL INSPECTIONS FOR WIND RESISTANCE

See the Schedule of Special Inspections for inspection and testing requirements

Allowable Stress Design Wind Speed: $V_{ad} = 84$ mph

Wind Exposure Category: Category B

Special Inspection for Wind Resistance Required: NO

(Required in Wind Exposure Category B, where the Allowable Stress Design Wind Speed (V_{ad}) is 120 miles-per-hour or greater. Required in Wind Exposure Category C or D, where the Allowable Stress Design Wind Speed (V_{ad}) is 110 miles-per-hour or greater.)

Description of structural wood and cold-formed steel light-frame construction, main windforce-resisting system subject to special inspections for wind resistance:

(Required for systems noted in IBC Section 1705.11 and 1705.11.2.)

None

Description of wind force-resisting components subject to special inspections for wind resistance:

(Required for systems and components noted in IBC Section 1705.11.3.)

None

Statement of Responsibility:

Each contractor responsible for the construction or fabrication of a system or component described above must submit a Contractor's Statement of Responsibility.

SCHEDULE OF SPECIAL INSPECTION SERVICES

PROJECT: Newton County Historic Jail Renovation

MATERIAL / ACTIVITY: —

SERVICE: —

APPLICABLE TO THIS PROJECT: —

Y/N: — EXTENT: — AGENT*: — DATE COMPLETED: —

1705.1 Special Cases

(work unique in nature, unusual in design, but not unusual in materials and systems, unusual design applications, materials, and systems with special manufacturer's requirements, and additional work as needed)

1. Inspection of post-installed in grout of masonry units and reports including verification of anchor type, anchor dimensions, hole dimensions, grouting procedures, anchor spacing, edge distances, masonry unit, grout, masonry composition, anchor type, embedment, and tightening torque.

2. Aggregate Pipe Inspection:

a. Before installation: Review of the aggregate pipe designer's plan of soil parameters as presented in the project soils report.

b. During installation: Verification of aggregate pipe type and size, depth, top elevations of the pier elements, and placement of grout.

c. After installation: Review of the results of qualitative tests on production of aggregate pipe, including modulus load testing, uplift pull-out testing, and dynamic cone penetration tests in accordance with the design specifications.

3. Fall Arrest System Inspection:

a. Prior to testing, visual inspection of welded and bolted connections of fall arrest hardware to support structure.

b. Prior to testing, verification of support structure and fall arrest hardware installed in accordance with Structural Documents.

c. System testing and commissioning: Observation of testing procedures in accordance with the manufacturer's testing procedures. If applicable, verify calibration of load measuring devices, record maximum load tested, and deflection of top of each anchor at maximum test load (relative to a fixed point).

Statement of Responsibility:

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SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

See the Schedule of Special Inspections for inspection and testing requirements

Seismic Design Category:

SDC B

Special Inspection for Seismic Resistance Required: NO

Description of seismic force-resisting system subject to special inspection and testing for seismic resistance:

(Required for systems noted in IBC Section 1705.12.1, 1705.12.2, and 1705.12.3. Special inspections for seismic resistance of structural steel, where required, shall be in accordance with AISC 341.)

N/A

Description of designated seismic systems subject to special inspection and testing for seismic resistance:

(Required for architectural, electrical, and mechanical systems and their components that require design in accordance with ASCE 7, Chapter 13, have a component importance factor (I) greater than one and are in Seismic Design Category C, D, E, or F.)

N/A

Description of additional seismic systems and components requiring special inspections:

(Required for systems noted in IBC Section 1705.12.5, 1705.12.6, 1705.12.7, and 1705.12.8.)

N/A

Description of additional seismic systems and components requiring testing:

(Required for systems and components noted in IBC Section 1705.12.13.)

N/A

Statement of Responsibility:

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PROJECT: Newton County Historic Jail Renovation

MATERIAL / ACTIVITY: —

SERVICE: —

APPLICABLE TO THIS PROJECT: —

Y/N: — EXTENT: — AGENT*: — DATE COMPLETED: —

1705.2.1 Structural Steel Construction

1. Fabricator and erector documents (verify reports and certificates as listed in AISC 360, Section N3.2 for compliance with construction documents).

2. Material verification of structural steel.

3. Structural steel welding:

a. Inspection tasks prior to welding (Observe or perform for each welded joint or member; the QA tasks listed in AISC 360, Table N5-3).

b. Inspection tasks during welding (Observe or perform for each welded joint or member; the QA tasks listed in AISC 360, Table N5-3).

c. Inspection tasks after welding (Observe or perform for each welded joint or member; the QA tasks listed in AISC 360, Table N5-3).

d. Nondestructive testing (NDT) of welded joints: (see commentary)

1) Complete penetration groove welds 1/8" or greater in Risk Category III or IV.

2) Complete penetration groove welds 5/16" or greater in Risk Category II.

3) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table N5-3.

4) Fabricator's NDT reports when fabricator performs NDT.

5. Structural steel bolting:

a. Inspection tasks prior to bolting (Observe or perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5-3).

b. Inspection tasks during bolting (Observe or perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5-3).

c. Inspection tasks after bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5-3).

d. Visual inspection of bolted connections cut surfaces of exposed structural steel main members and exposed corners of the main members for cracks subsequent to galvanizing.

6. Embedded items (Verify diameter, grade, type, length, embedment. See IBC 1705.2.2 for additional requirements as needed)

7. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents.

1705.2.2 Cold-Formed Steel Deck

1. Manufacturer documents (Verify reports and certificates as listed in SDI Q4QC, Section 2, Paragraph 2.1 and 2.2 for compliance with construction documents).

2. Material verification of steel, mechanical fasteners, and welding materials.

3. Cold-formed steel deck placement:

a. Inspection tasks prior to deck placement (Perform the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.2).

b. Inspection tasks after deck placement (Perform the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.2).

4. Cold-formed steel deck welding:

a. Inspection tasks prior to welding (Observe the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.3).

b. Inspection tasks during welding (Observe the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.4).

c. Inspection tasks after welding (Perform the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.5).

5. Cold-formed deck mechanical fastening:

a. Inspection tasks prior to mechanical fastening (Observe the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.6).

b. Inspection tasks during mechanical fastening (Observe the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.7).

c. Inspection tasks after mechanical fastening (Observe the QA tasks listed in SDI Q4QC, Appendix 1, Table 1.8).

1705.2.3 Open-Web Steel Joists and Joist Girders

1. Installation of open-web steel joists and joist girders:

a. End connections — welded or bolted.

b. Bridging — horizontal or diagonal:

1) Standard bridging.

2) Bridging that differs from the specifications listed in SJI CJ or SJI 100.

N/A

1705.2.4 Cold-Formed Steel Trusses Spanning 60-feet or Greater

1. Verify temporary and permanent restraining are installed in accordance with the approved truss submittal package.

2. Concrete Test Specimens:

a. Prior to placement, fresh concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

b. After placement, concrete curing, and concrete testing.

c. Prior to placement, concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

3. Inspection tasks after concrete placement:

a. Prior to placement, concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

b. After placement, concrete curing, and concrete testing.

c. Prior to placement, concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

4. Inspection tasks after concrete placement:

a. Prior to placement, concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

b. After placement, concrete curing, and concrete testing.

c. Prior to placement, concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

5. Verify use of approved design mix.

6. Concrete Test Specimens:

a. Prior to placement, concrete sampling, perform slump and consistency tests, and verify the concrete mixture and deflection of top of each anchor at maximum test load (relative to a fixed point).

b. After placement, concrete curing, and concrete testing.</

SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT	Newton County Historic Jail Renovation					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT				
		Y/N	EXTENT	AGENT ¹	DATE COMPLETED	
1705.5 Wood Construction						
1. For prefabricated wood structural elements, inspection of the fabrication process and assemblies in accordance with the approved building plans.	In-Plant Review (3)	N	Periodic			
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans.	Field Inspection	N	Periodic			
3. For high-load diaphragms, verify nominal size of framing members at least 10% larger than the size, diameter and length, number of fastener lines, and that spacing between fasteners in the same plane, edge margins agree with approved building plans.	Field Inspection	N	Periodic			
4. For prefabricated connected wood masses:						
a. For trusses with heights greater than or equal to 60-inches: verify permanent individual truss number restraining devices are installed in accordance with the approved truss package.	Field Inspection	N	Periodic			
b. For trusses spans 60-feet or greater, temporary and permanent restraining bracing are installed in accordance with the approved truss submittal package.	Field Inspection	N	Periodic			
1705.5.3 Mass Timber Construction						
1. Inspection of anchorage and connection of mass timber construction to timber deep foundation systems	Field Inspection	N	Periodic			
2. Inspection of connections where installation methods are required to meet design requirements	Field Inspection	N	Periodic			
3. Inspection of connections where a. Threaded Fasteners						
4. Verify use of proper installation equipment.	Field Inspection	N	Periodic			
5. Verify use of pre-drilled holes where required.	Field Inspection	N	Periodic			
6. Inspect screws, including diameter, length, head type, spacing, installation angle, and depth.	Field Inspection	N	Periodic			
7. Adhesive anchors installed in horizontal or upwardly inclined locations to resist sustained tension loads.	Field Inspection	N	Periodic			
8. Other adhesive anchors.	Field Inspection	N	Periodic			
9. Bolted connections.	Field Inspection	N	Periodic			
10. Concealed connections.	Field Inspection	N	Periodic			

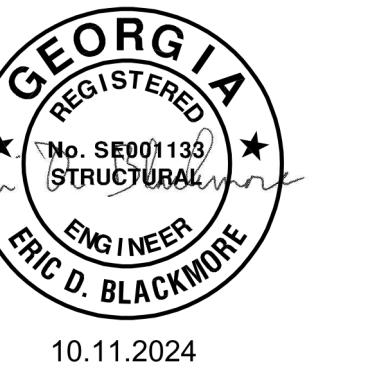
SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT	Newton County Historic Jail Renovation					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT				
		Y/N	EXTENT	AGENT ¹	DATE COMPLETED	
1705.11.1 Structural Wood Special Inspections for Wind Resistance						
1. Inspection of fastener operations of elements of the main windforce-resisting system.	Field Inspection	N	Continuous			
2. Inspection of nailing, bolting, anchoring, and other fastening of components within the main windforce-resisting system, including shear walls, wood shear walls, drag struts, braces, and hold-downs.	Shop (3) and Field Inspection	N	Periodic			
1705.11.2 Cold-Formed Steel Special Inspections for Wind Resistance						
1. Inspection during operations of elements of the main windforce-resisting system.	Shop (3) and Field Inspection	N	Periodic			
2. Inspection of screw attachment, bolting, anchoring, and other fastening of components within the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag struts), and hold-downs.	Shop (3) and Field Inspection	N	Periodic			
1705.11.3 Wind-Resisting Components						
1. Roof covering, roof deck, and roof framing connections.	Shop (3) and Field Inspection	N	Periodic			
2. Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and Field Inspection	N	Periodic			

SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT	Newton County Historic Jail Renovation					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT				
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1705.13.1 Structural Steel Testing for Seismic Resistance						
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with ASCE 341, in structures assigned to SDC B, C, D, E, or F.	Field Test	N	Periodic			
2. Nondestructive testing of structural steel elements in the seismic force-resisting system, including structures covered in Item 1 above, including structural columns and foundations elements in accordance with ASCE 341, in structures assigned to SDC B, C, D, E, or F.	Field Test	N	Periodic			
1705.13.2 Seismic Certification of Nonstructural Components						
1. Review certificate of compliance for nonstructural components in structures assigned to SDC B, C, D, E, or F.	Certificate of Compliance Review	N	Each Submittal			
1705.13.3 Seismic Certification of Designated Seismic Systems						
1. Review certificate of compliance for designated seismic system components in structures assigned to SDC C, D, E, or F.	Certificate of Compliance Review	N	Each Submittal			
1705.13.4 Seismic Isolation Systems						
1. Test seismic-isolation systems in accordance with ASCE 7, Section 17.8 in structures assigned to SDC B, C, D, E, or F.	Prototype Testing	N	Per ASCE 7			

SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT	Newton County Historic Jail Renovation					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT				
		Y/N	EXTENT	AGENT ¹	DATE COMPLETED	
1705.6 Soils						
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field Inspection	Y	Periodic	1		
2. Verify excavations are extended to proper depth and have reached proper material.	Field Inspection	Y	Periodic	1		
3. Perform classification and testing of compacted fill materials.	Field Inspection	Y	Periodic	1		
4. Verify use of proper materials, densities, and fill thicknesses during placement and compacting of fill material.	Field Inspection	Y	Continuous	1		
5. Prior to placement of controlled fill, inspect subgrade and verify that site has been prepared properly.	Field Inspection	Y	Periodic	1		
1705.7 Driven Deep Foundations						
1. Verify elements meet size, depth, and weight limits with requirements.	Field Inspection	N	Continuous			
2. Determine capacities of test elements and conduct additional load tests as required.	Field Inspection	N	Continuous			
3. Inspect driving operations and maintain complete and accurate records for each element.	Field Inspection	N	Continuous			
4. Verify placement locations and parameters, confirm type and size of hammer, record number of blows per foot of penetration, and conduct limited penetrations to achieve design capacity, record tip and butt elevations, and document any damage to foundation elements.	Field Inspection	N	Continuous			
5. For steel elements, perform additional inspections per Section 1705.7.		See IBC Section 1705.2	N	See IBC Section 1705.2		
6. For concrete elements, perform concrete strength tests, perform load and additional inspections per Section 1705.7.		See IBC Section 1705.3	N	See IBC Section 1705.3		
7. For specialty elements, perform additional inspections as determined by the registered design professional in accordance with the construction documents.	Field Inspection	N	In Accordance with Construction Documents			
1705.8 Cast-In-Place Deep Foundations						
1. Inspect drilling operations and maintain complete and accurate records for each element.	Field Inspection	N	Continuous			
2. Verify placement locations and parameters, confirm element diameters, bolt diameters (if applicable), lengths, embedments, and end-bearing characteristics, and adequate end-bearing strata capacity. Record concrete or grout volumes.	Field Inspection	N	Continuous			
3. For concrete elements, perform tests and additional inspections per Section 1705.3.		See IBC Section 1705.3	N	See IBC Section 1705.3		
1705.9 Helical Pile Foundations						
1. Verify installed pile locations, final depth, final installation torque, and other installation data as required by construction documents.	Field Inspection	N	Continuous			

SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT	Newton County Historic Jail Renovation					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT				
		Y/N	EXTENT	AGENT ¹	DATE COMPLETED	
1705.10 Fabricated Items						
1. List of fabricated items requiring special inspection during fabrication:	Shop Inspection	As noted in each applicable shop activity				
a. None						
2. List of fabricated items to be fabricated on the premises of a fabricator, approach to the work, and work without special inspection (including name of approved agency providing periodic audit):						
a. None						

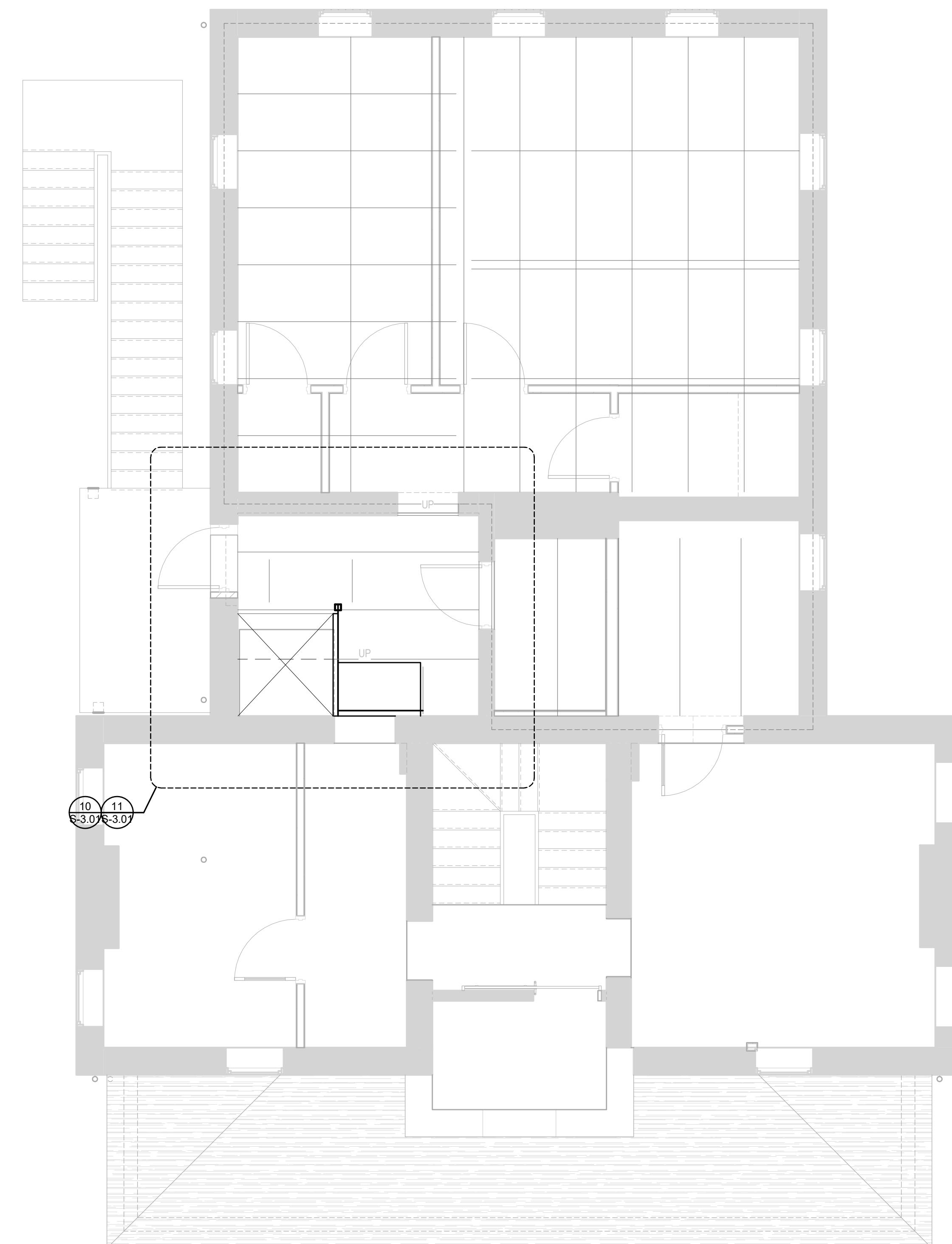
SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT	Newton County Historic Jail Renovation					
MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT				
		Y/N	EXTENT	AGENT ¹	DATE COMPLETED	
1705.12.1 Structural Steel Testing for Seismic Resistance						
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with ASCE 341, in structures assigned to SDC B, C, D, E, or F.	Field Test	N	Periodic			
2. Nondestructive testing of structural steel elements in the seismic force-resisting system, including structures covered in Item 1 above, including structural columns and foundations elements in accordance with ASCE 341, in structures assigned to SDC B, C, D, E, or F.	Field Test	N	Periodic			
1705.12.2 Seismic Certification of Nonstructural Components						
1. Review certificate of compliance for nonstructural components in structures assigned to SDC B, C, D, E, or F.	Certificate of Compliance Review	N	Each Submittal			
1705.12.3 Cold-Formed Steel Light-Frame Construction Special Inspections for Seismic Resistance						
1. Welding operations of elements of the seismic force						



ALPHA BLDG SET 10-06-2025



1 REFERENCE PLAN - LEVEL 1



2 REFERENCE PLAN - LEVEL 2

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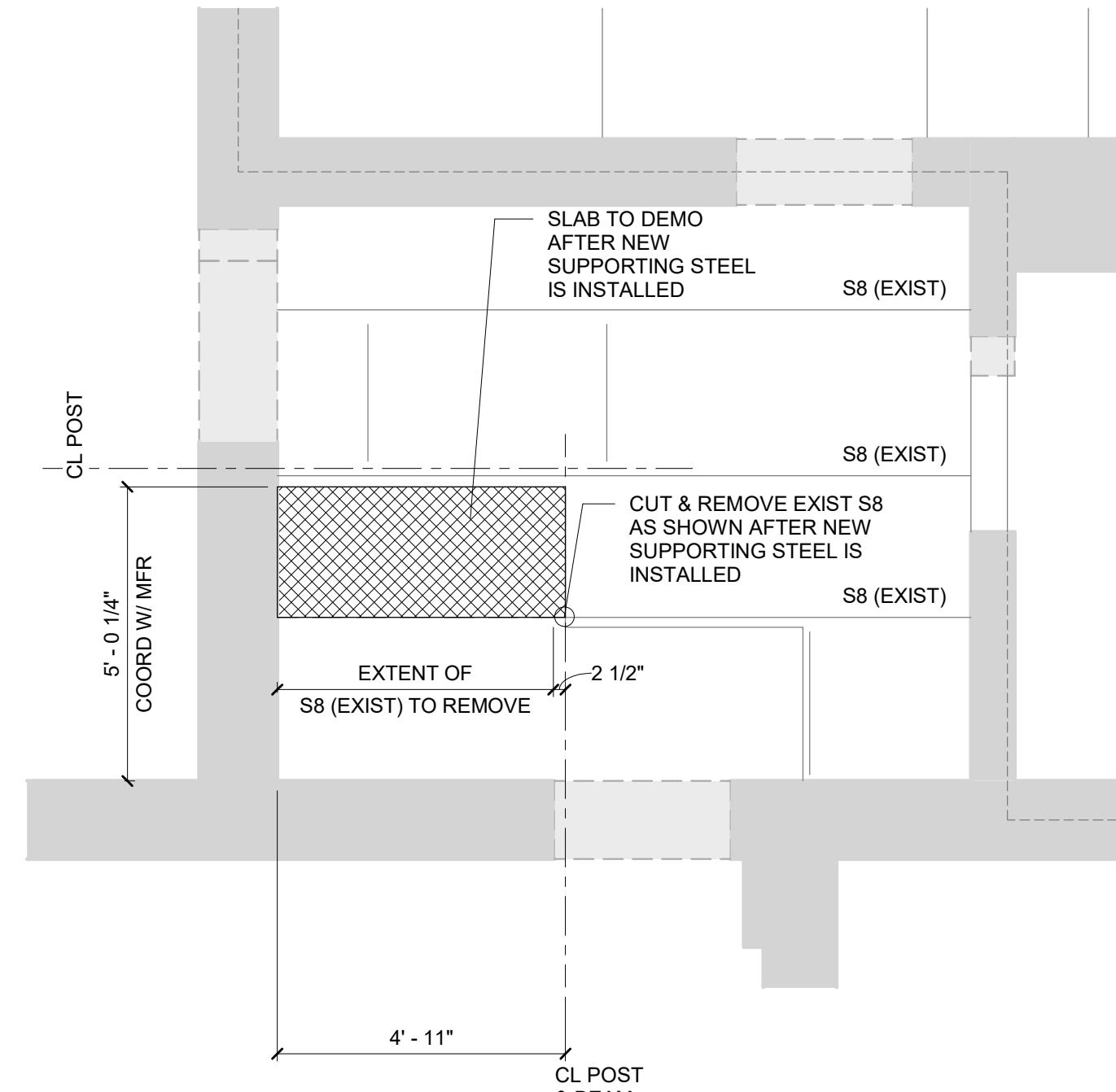
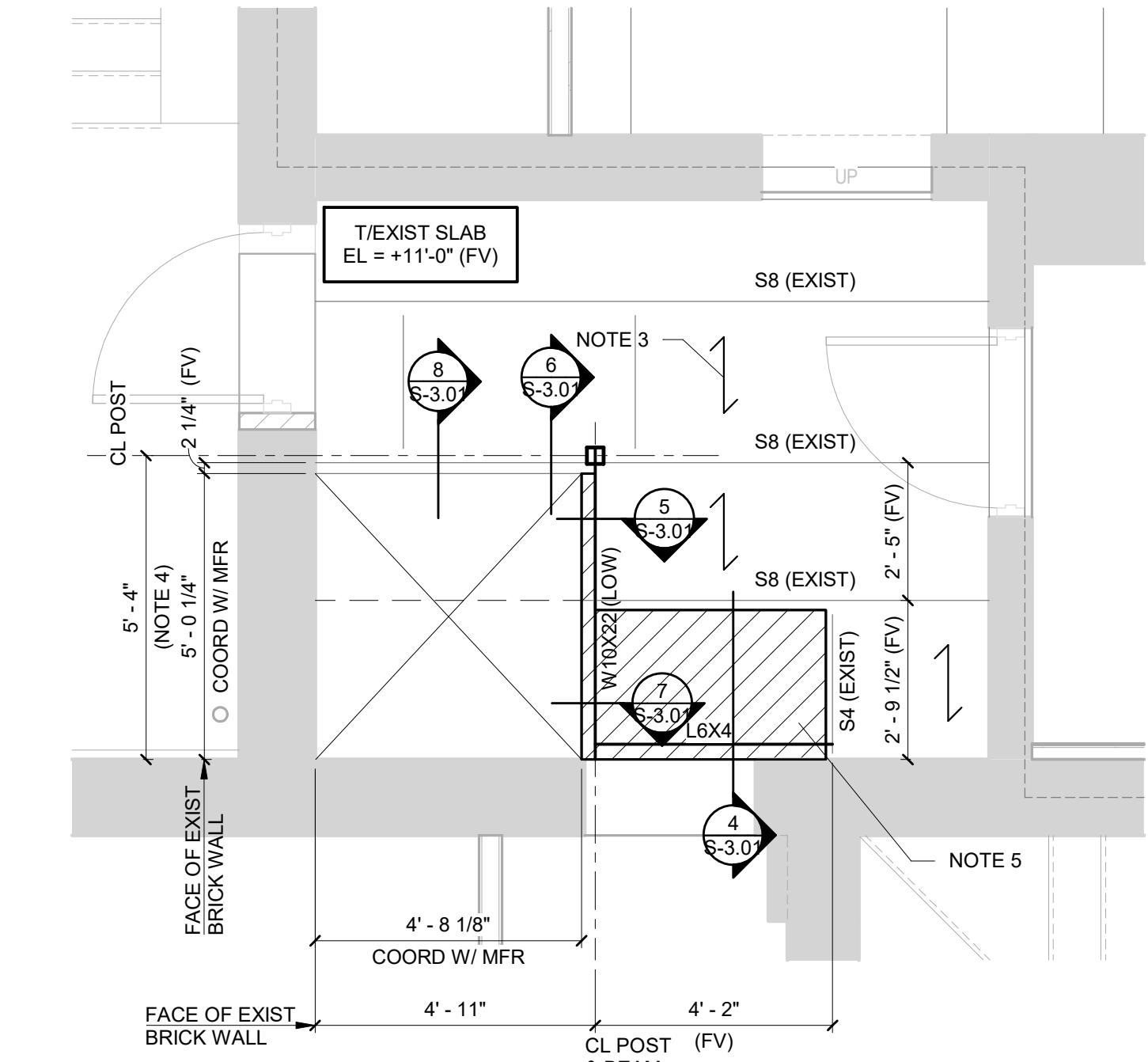
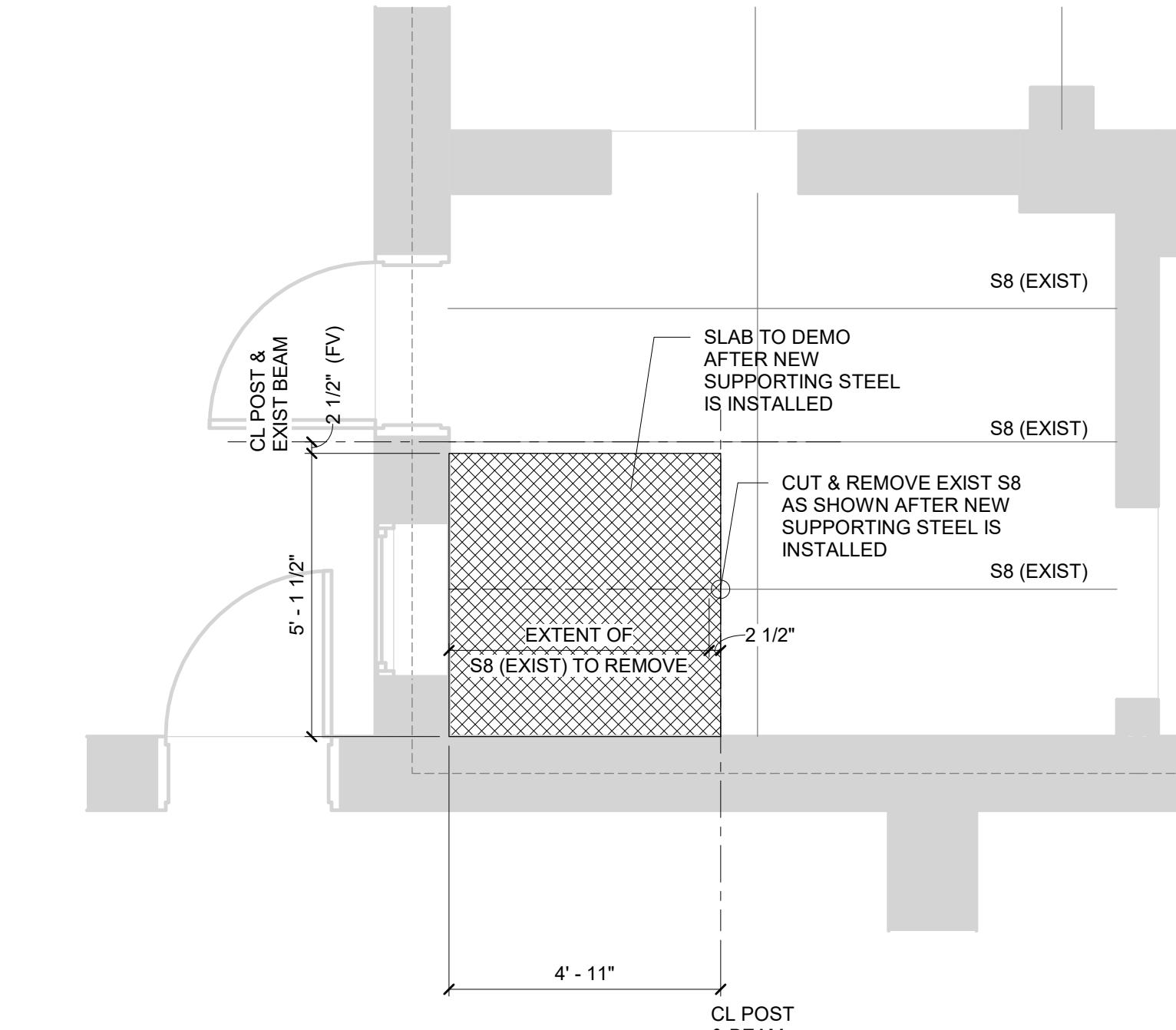
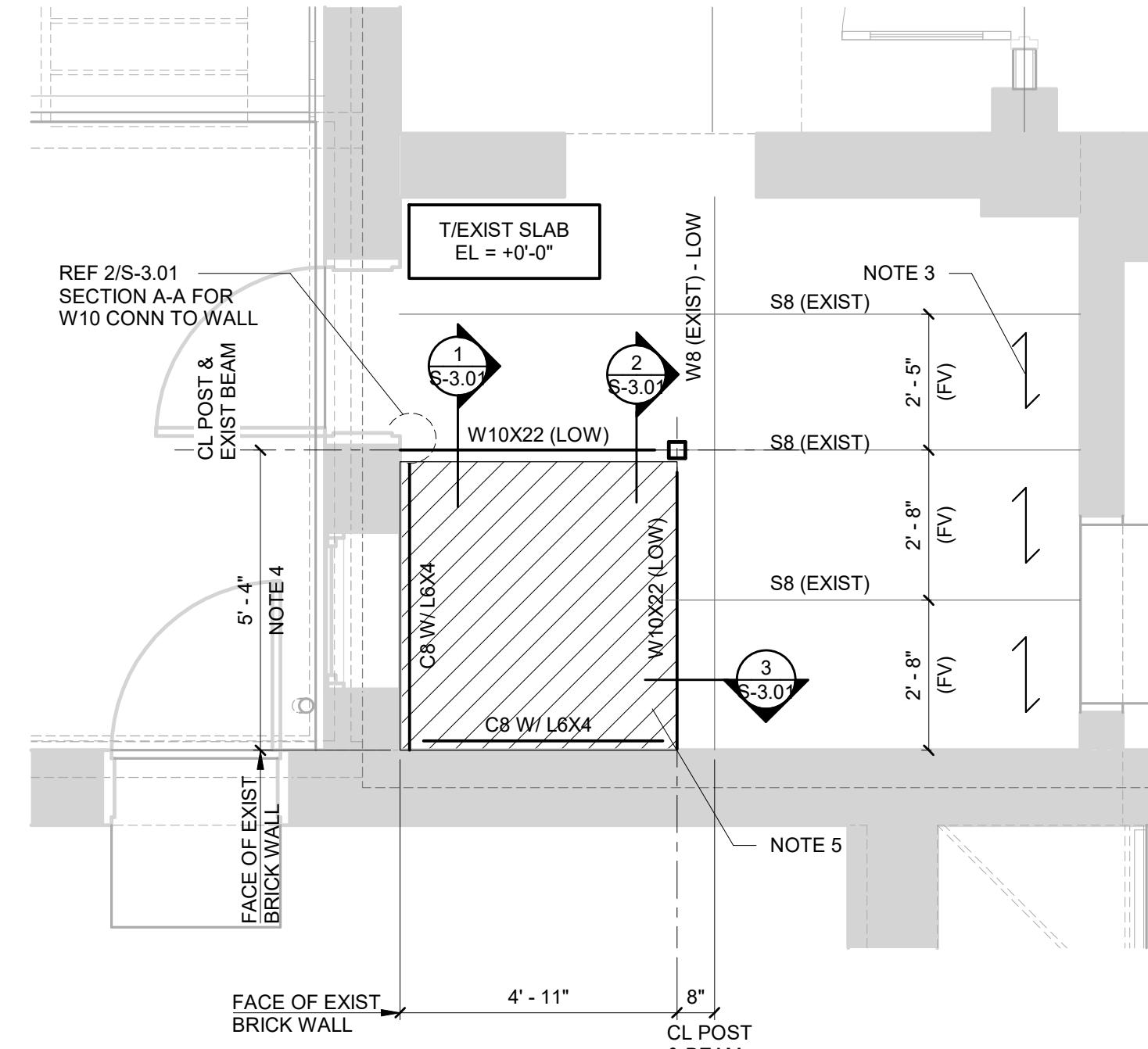
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COVINGTON, GEORGIA

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Date **11 OCTOBER 2024** Job No. **24004**

Sheet Title
REFERENCE PLANS

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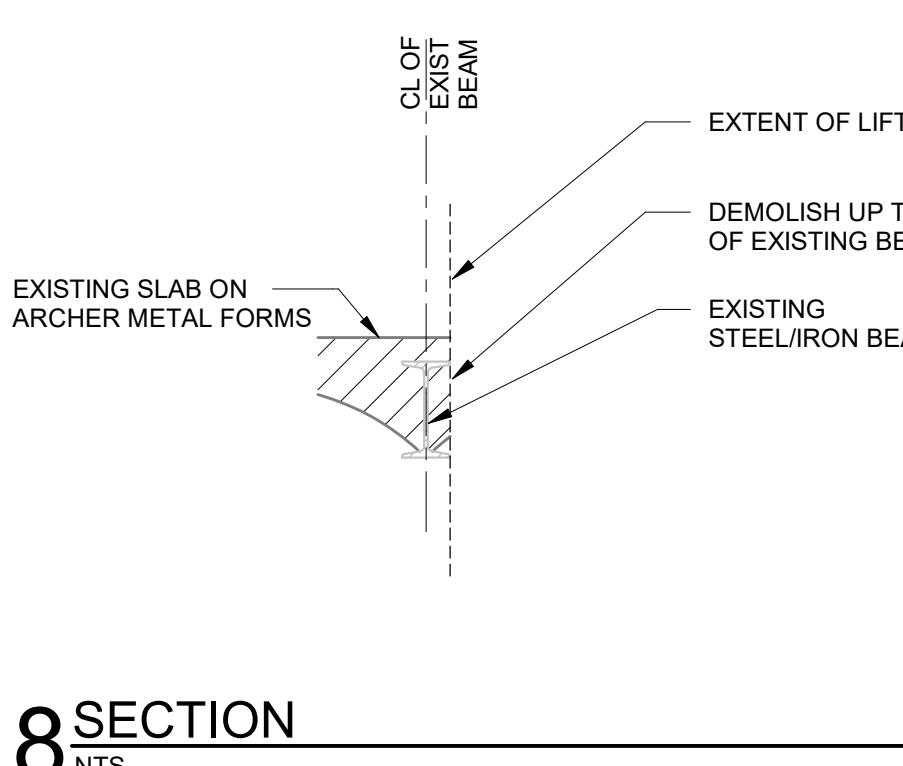
13 PARTIAL LEVEL 1 PLAN

12 PARTIAL LEVEL 1 DEMO PLAN

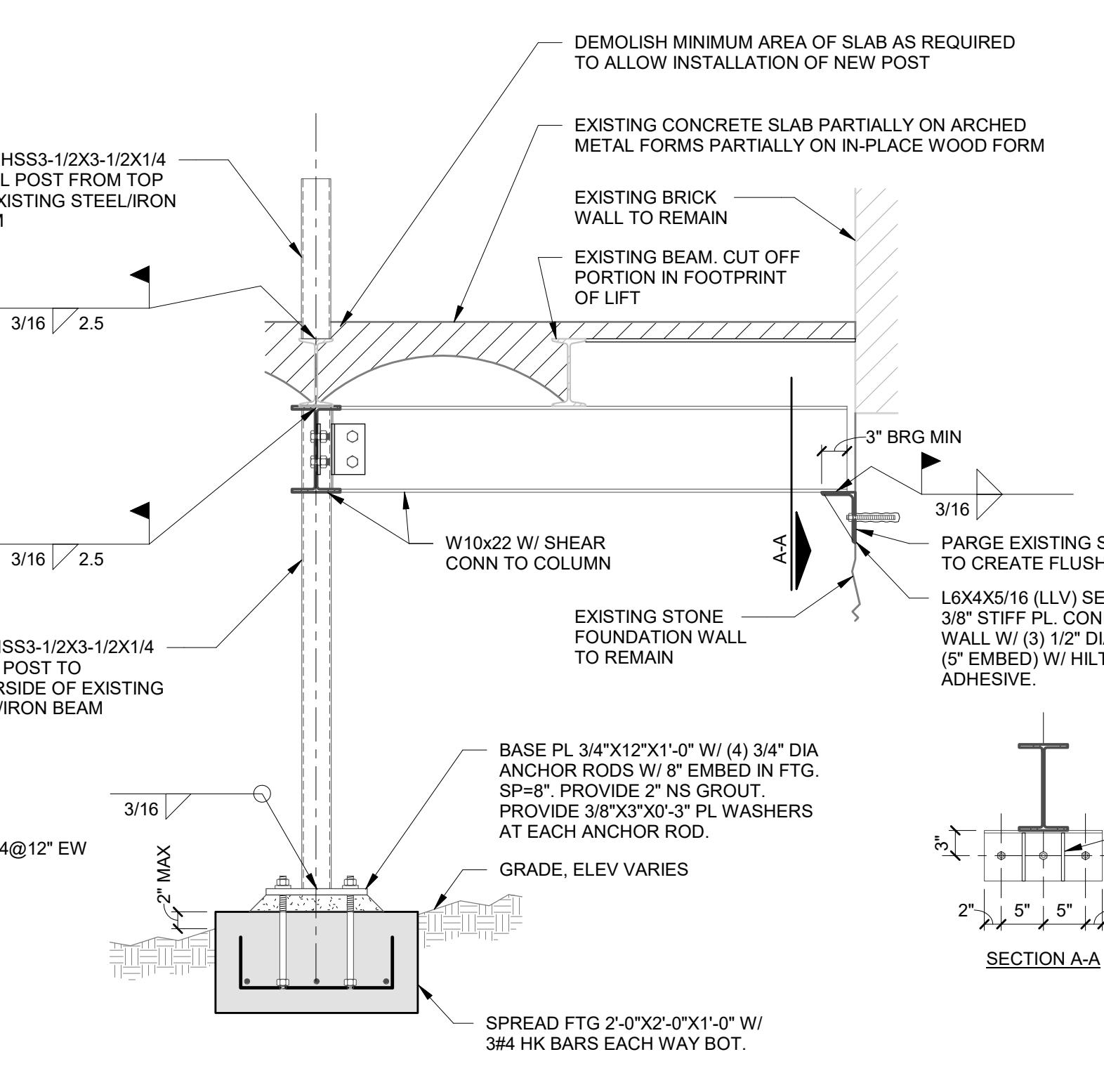
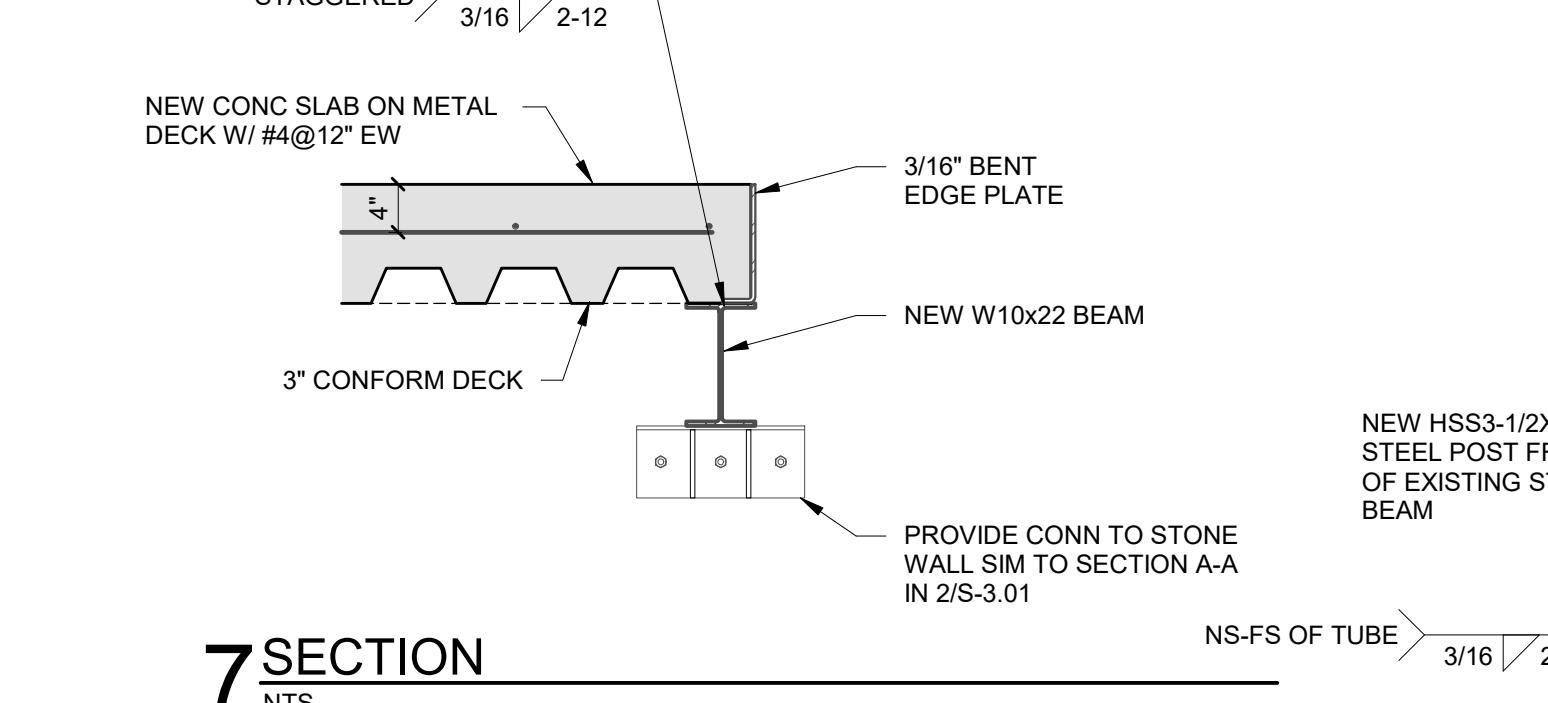
11 PARTIAL LEVEL 2 PLAN

10 PARTIAL LEVEL 2 DEMO PLAN

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7 SECTION

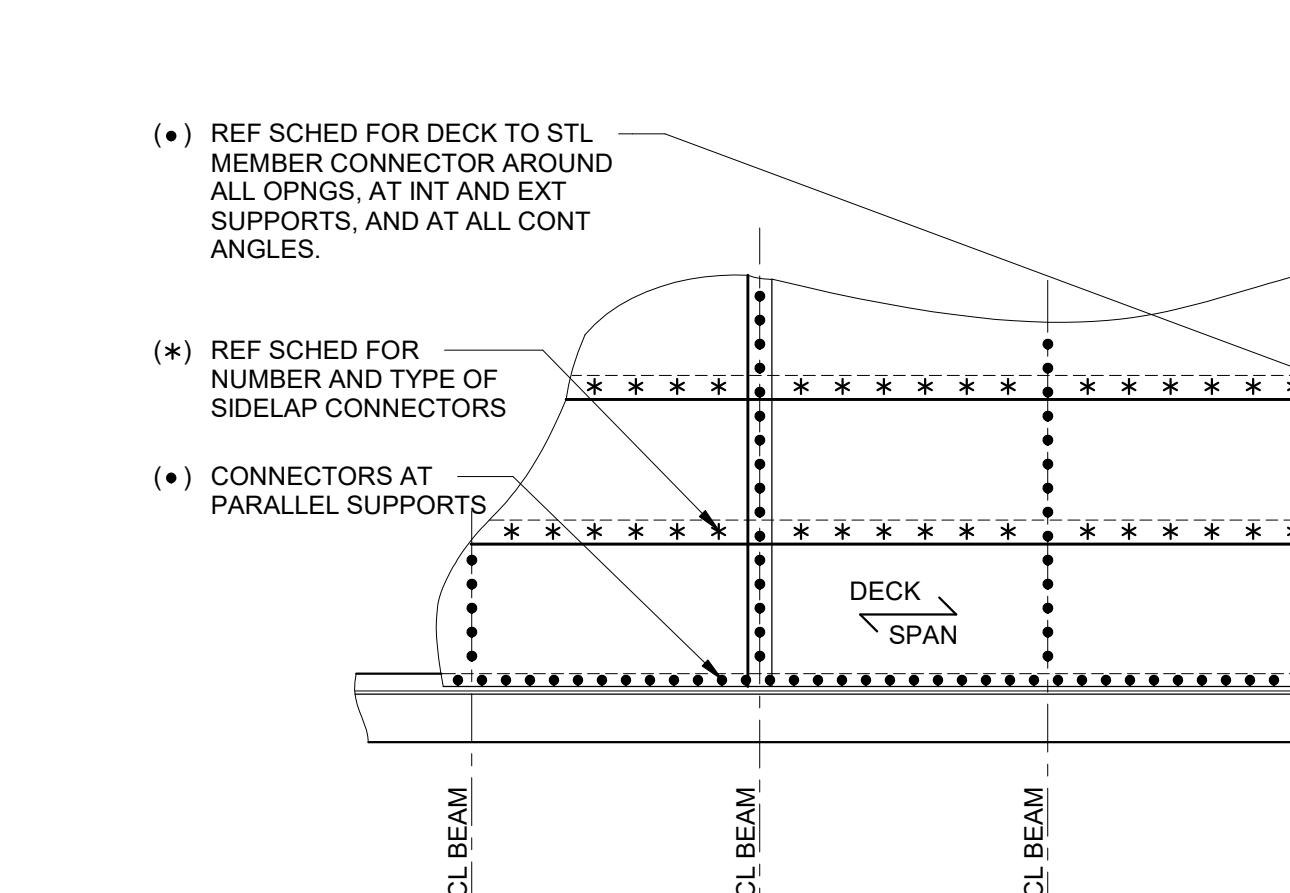


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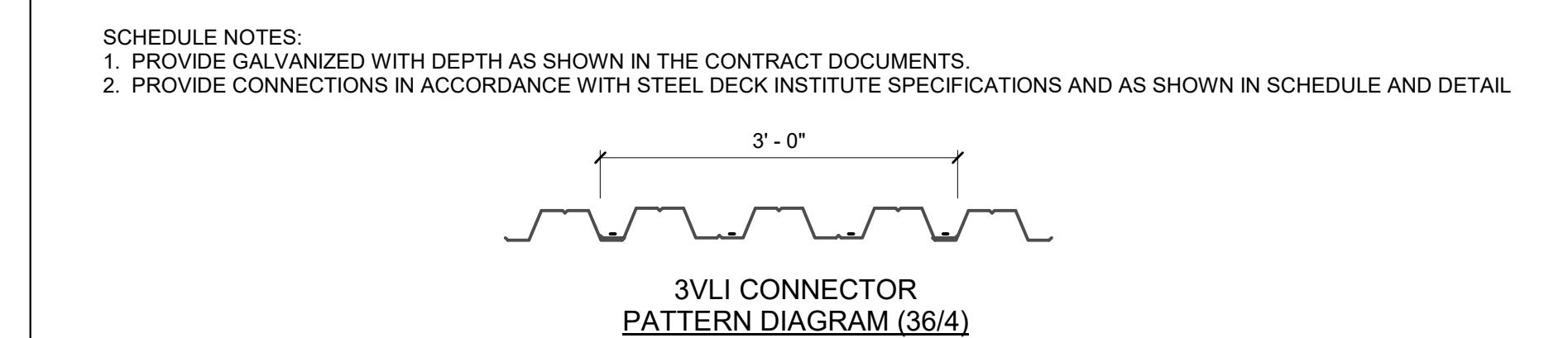
3 SECTION

2 SECTION

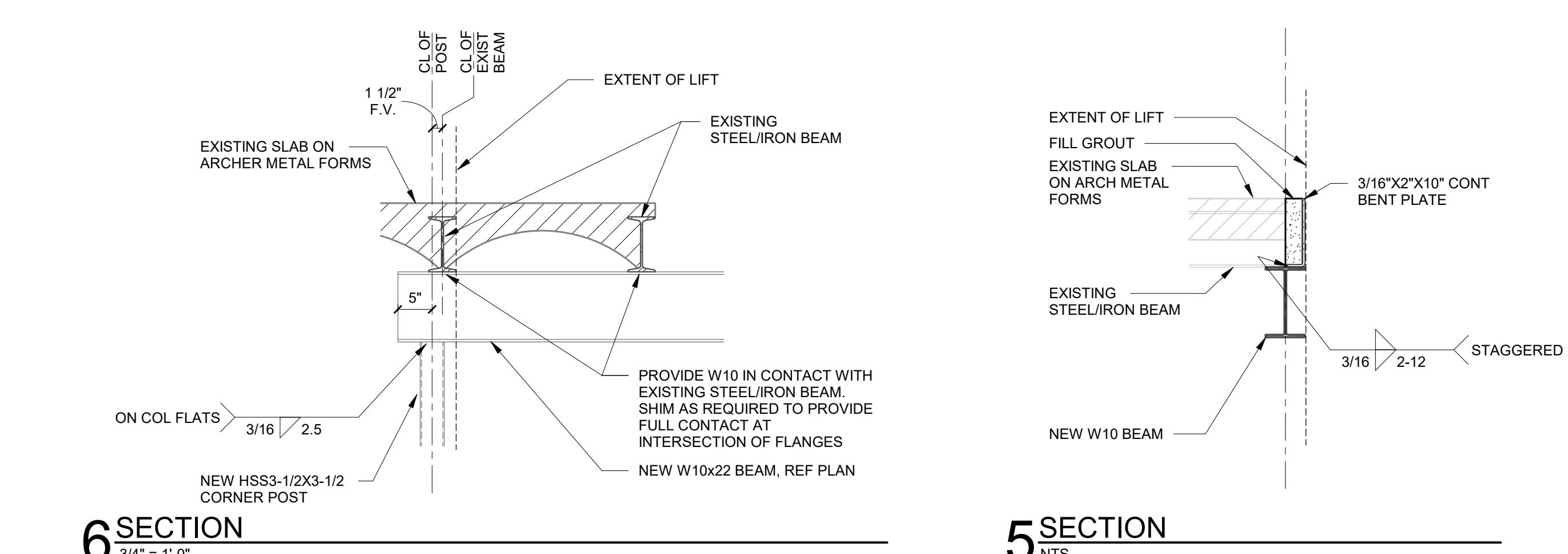
1 SECTION



LOCATION	(*) DECK TO STEEL MEMBER CONNECTOR PATTERN AND TYPE	(*) SIDELAP CONNECTOR NUMBER AND TYPE	(-) CONNECTIONS AT PARALLEL SUPPORT
ALL	364 - 3/8" DIA PUDLE WELDS	BUTTON PUNCH AT 12" OC, UNO	5/8" DIA PUDLE WELDS AT 12" OC



9 METAL DECK CONNECTION DIAGRAM



6 SECTION

5 SECTION

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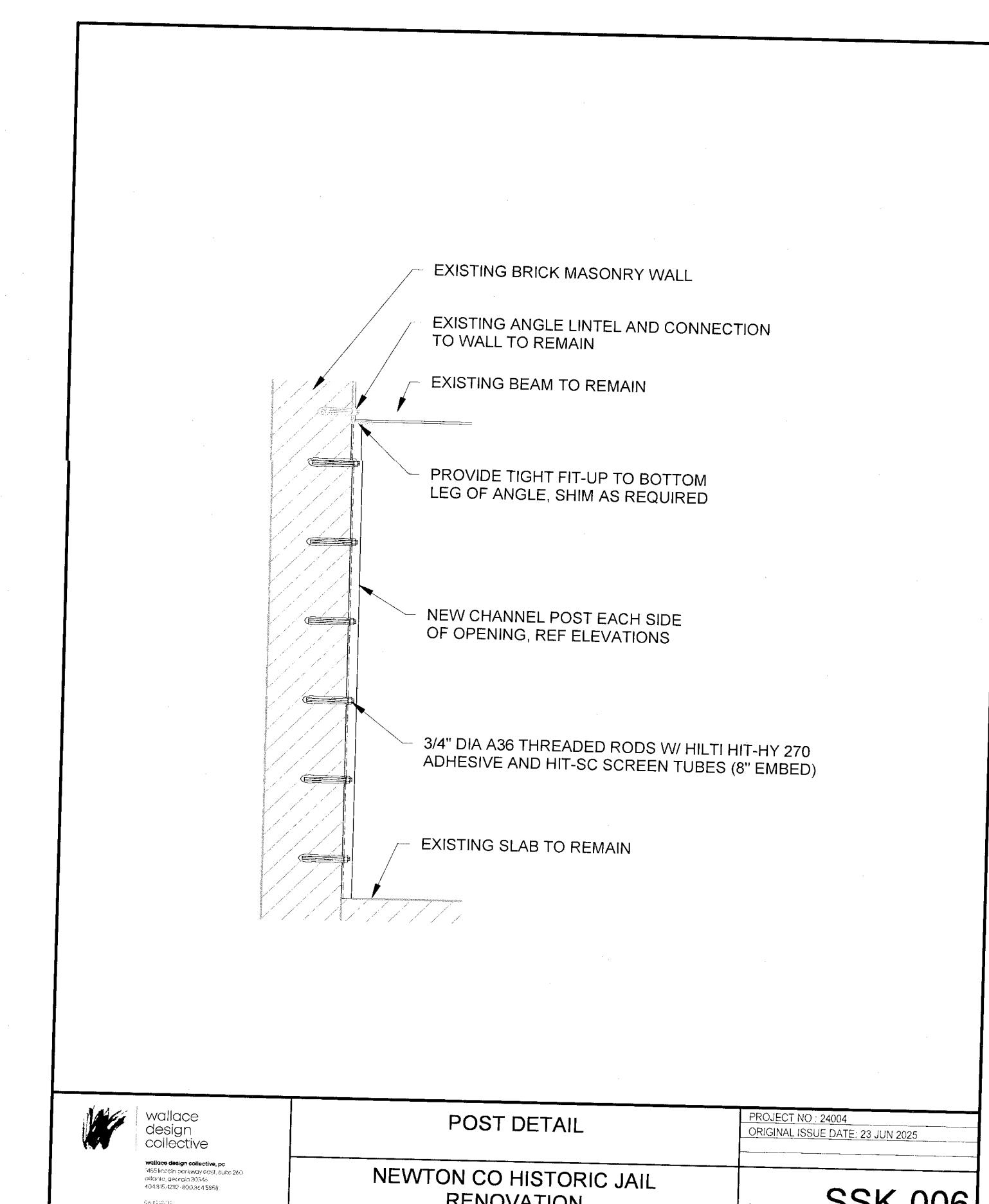
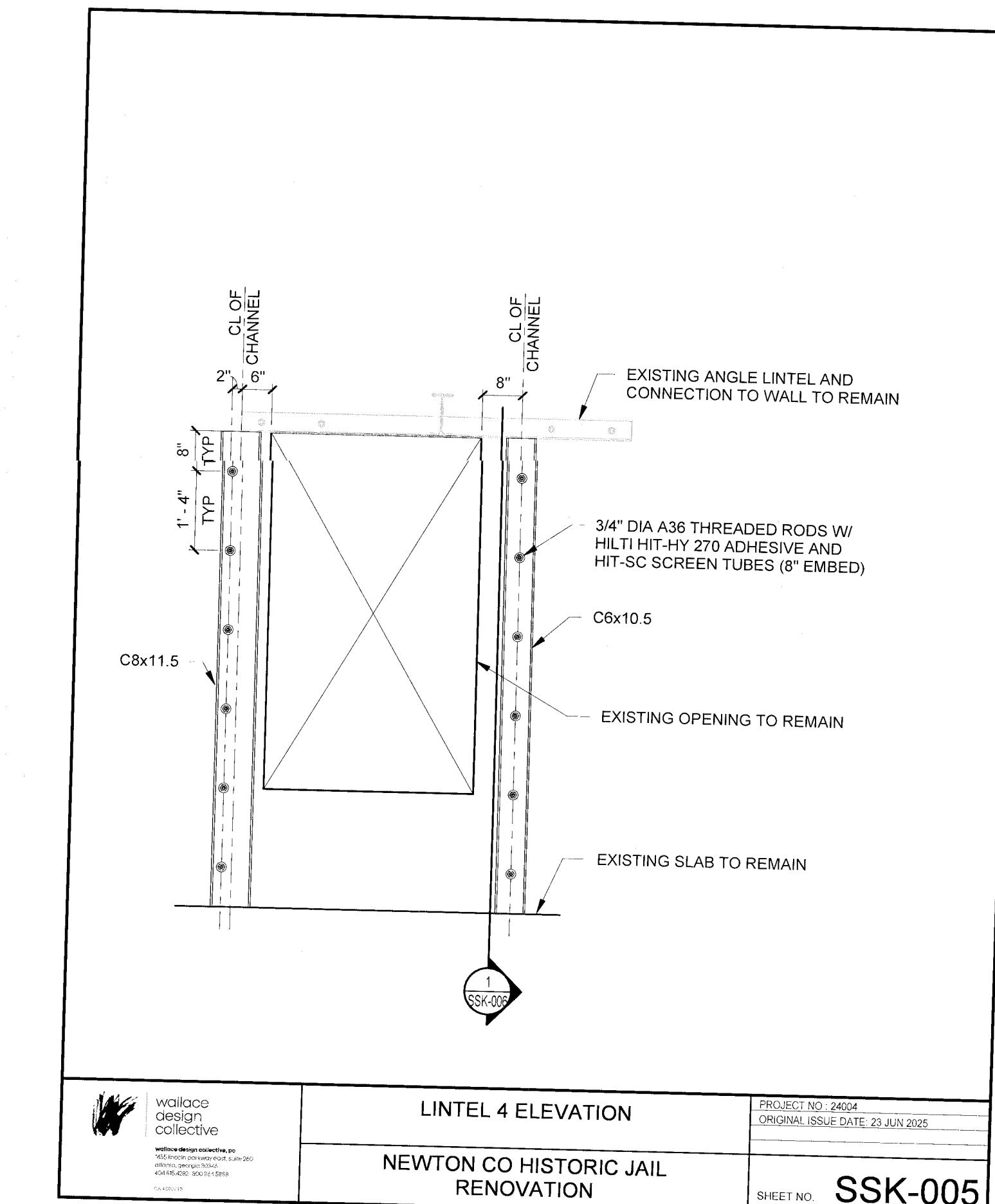
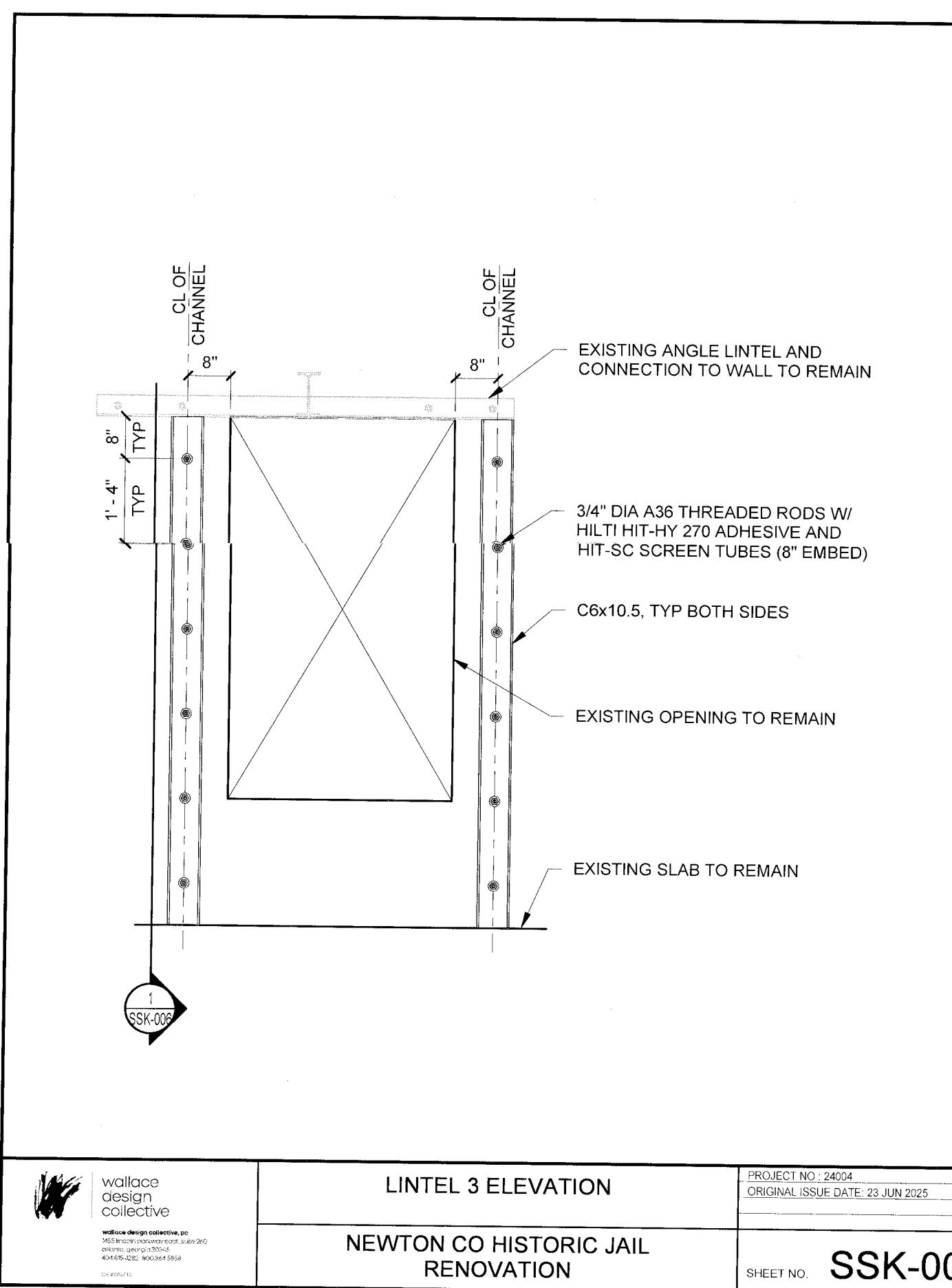
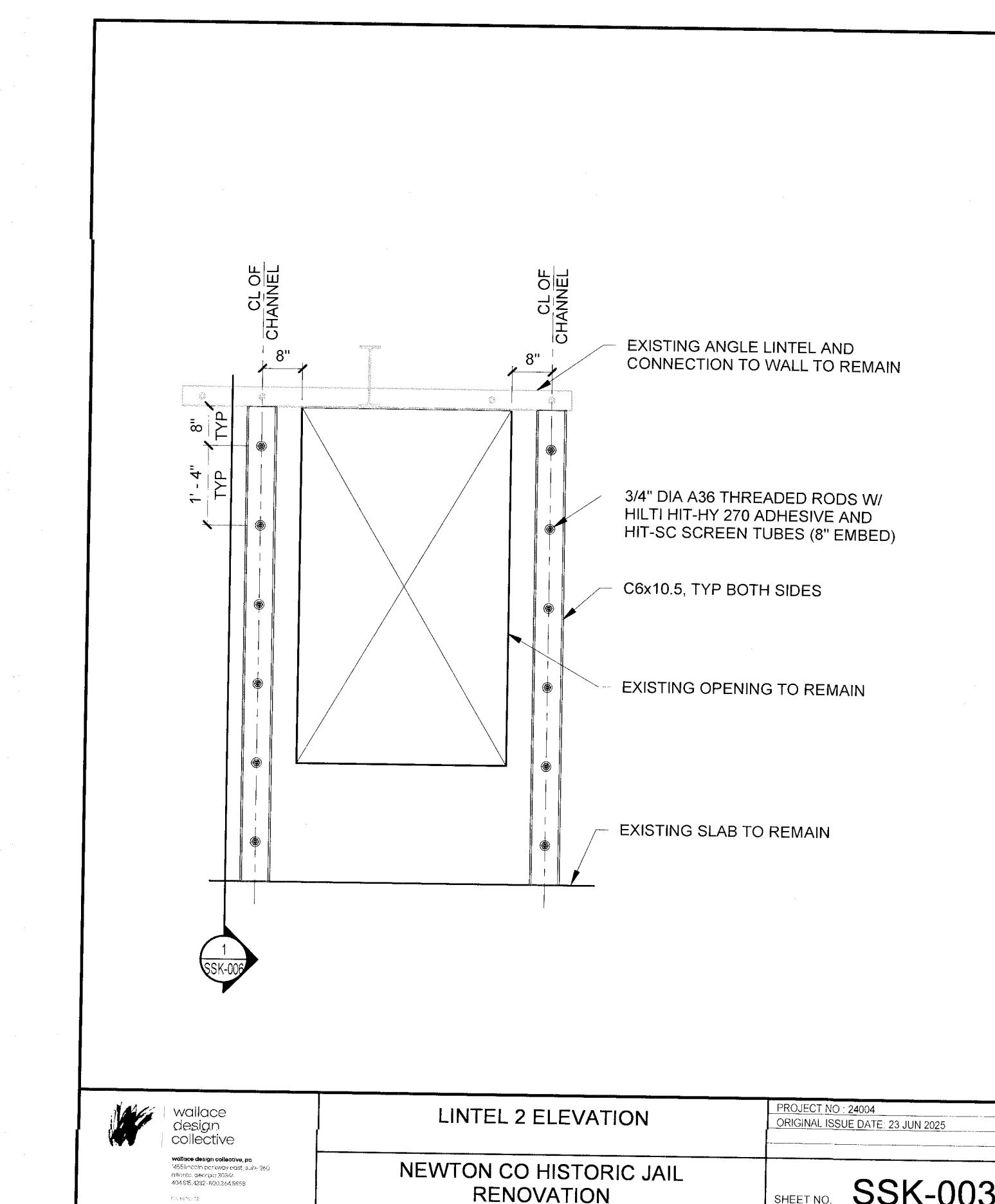
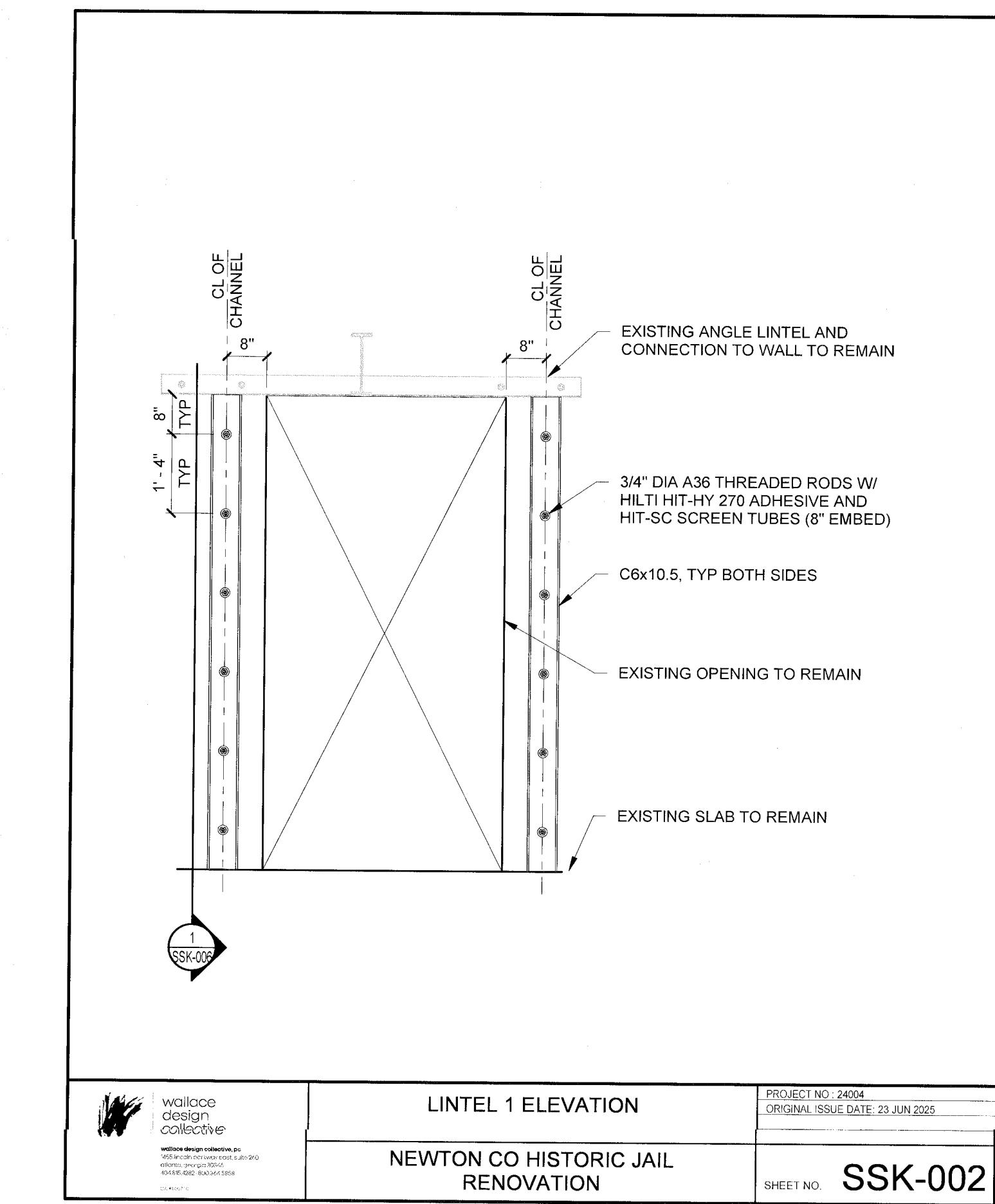
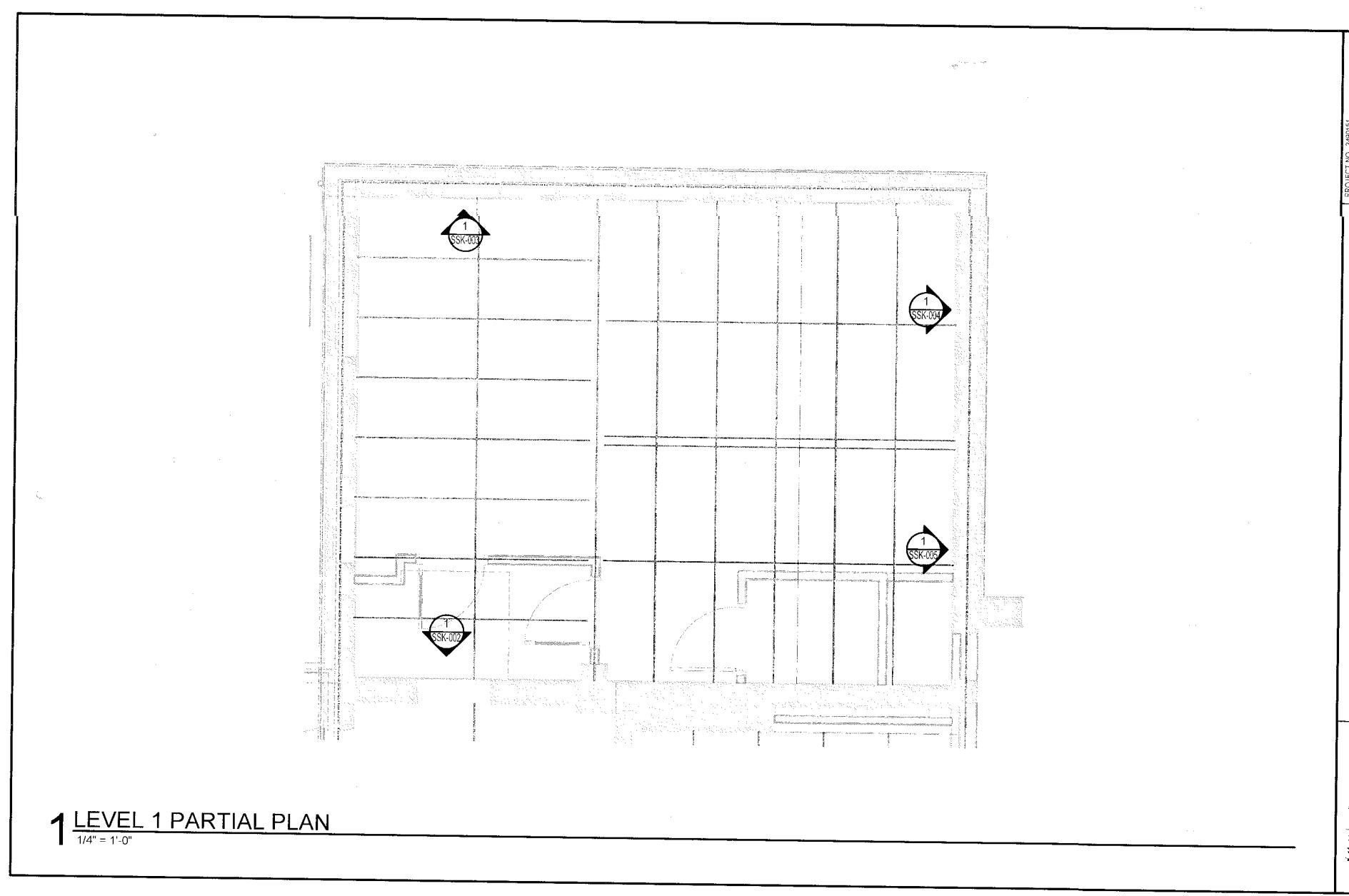
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Date 11 OCTOBER 2024 Job No. 24004

Sheet Title STRUCTURAL DETAILS & PARTIAL PLANS

Sheet No. S-3.01

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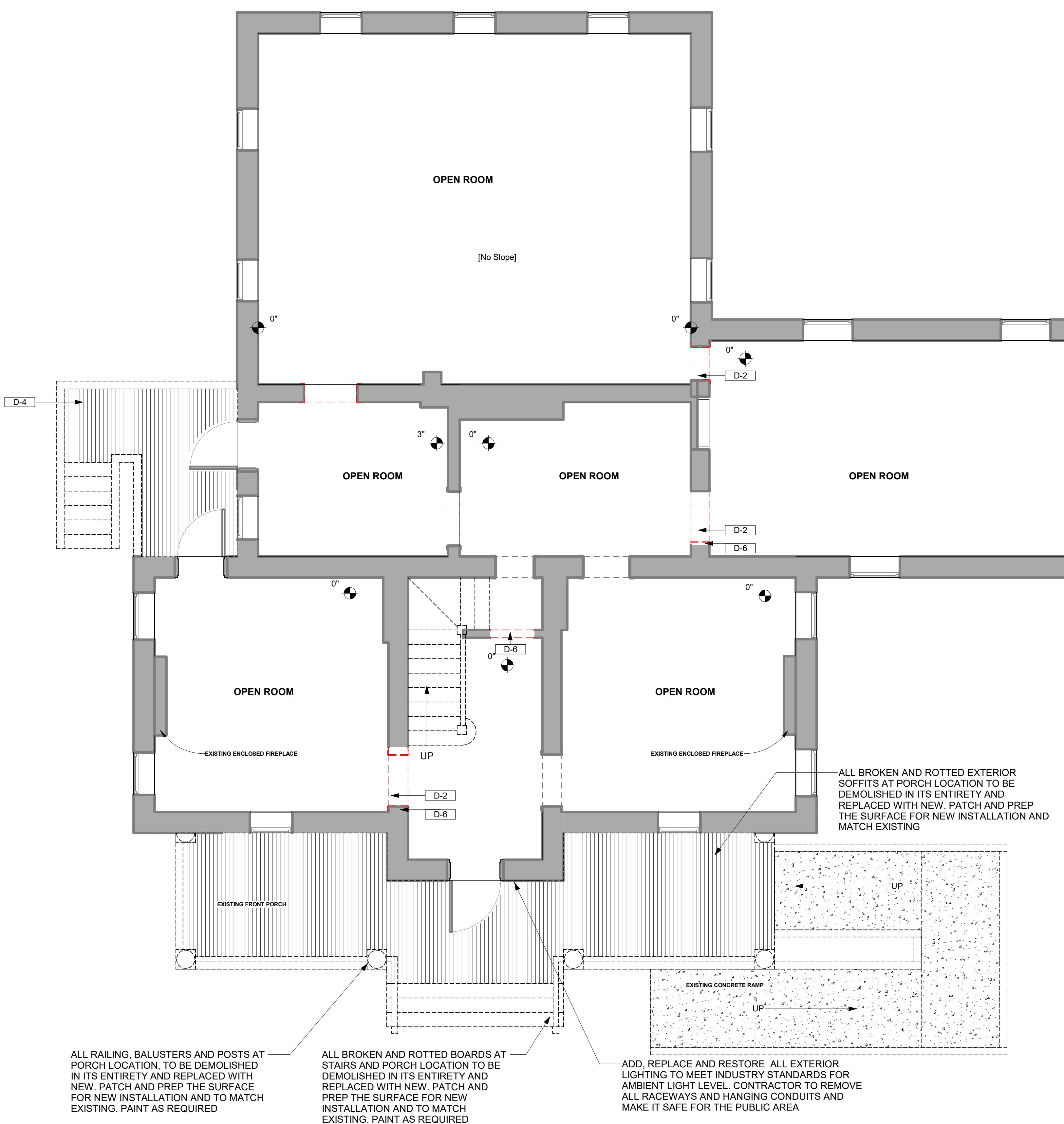
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S-4.01

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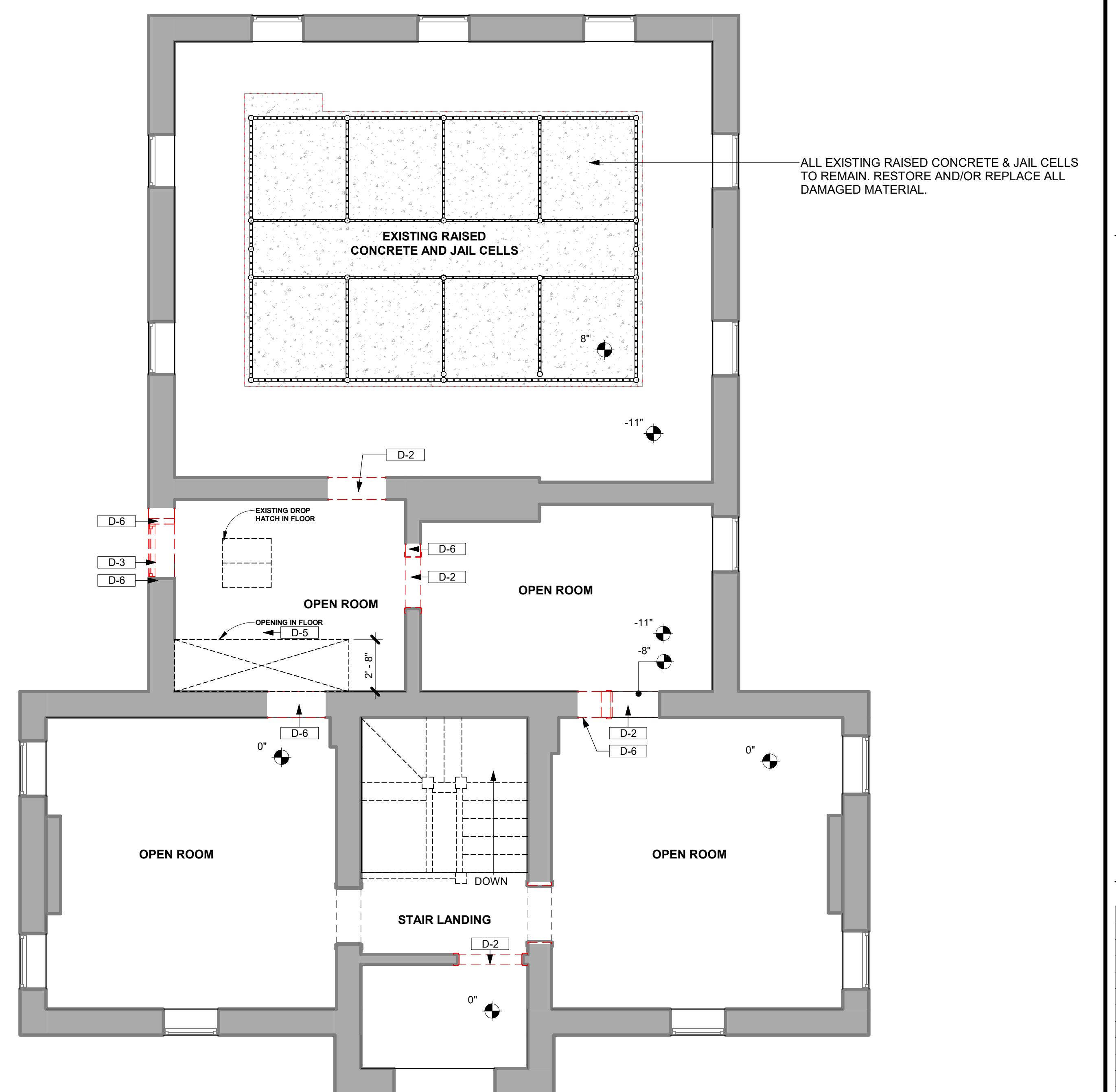
ALPHA BLDG SET 10-06-2025

KEY NOTES - DEMO PLAN		KEY PLAN	GENERAL DEMO NOTES
KEY NOTE #	DESCRIPTION		
D-2	REMOVE EXISTING DOOR, FRAMES, & HARDWARE IN ITS ENTIRETY, TURN OVER TO OWNER IF REQUESTED BY THE OWNER.	EXISTING WALL TO REMAIN	1. CONTRACTOR TO TAKE CARE IN REMOVAL OF ANY ITEMS SCHEDULED OR NOT SCHEDULED FOR REUSE, SUCH AS FIXTURES, CEILING TILES, DOORS, DOOR FRAMES, HARDWARE, ETC. ITEMS TO BE OFFERED TO BUILDING OWNER FOR STOCK.
D-3	DEMOLISH EXISTING WINDOW IN ITS ENTIRETY. PREPARE OPENING FOR A NEW DOOR INSTALLATION.	WORK TO BE DEMOLISHED/REMOVED	2. DEMOLITION SHALL BE COMPLETED DURING THE HOURS OUTLINED IN CONTRACT.
D-4	DEMOLISH EXISTING STAIRS AND LANDING IN ITS ENTIRETY AND PREPARE THE SPACE FOR NEW STAIR INSTALLATION.	NOT IN SCOPE	3. DUST FREE BARRIERS MUST BE MAINTAINED AND SECURED @ CEILING TO FLOOR BETWEEN OCCUPIED AREAS AND AREAS OF DEMOLITION EXCEPT @ ENTRANCE AND EXIT TO SPACE.
D-5	SAW CUT EXISTING CONCRETE SLAB TO LIMITS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION. COORDINATE LOCATION AND EXTENT OF SAW CUTTING WITH ARCHITECT, MECHANICAL, PLUMBING, ELECTRICAL, AND SPECIFICATIONS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL SAW CUTTING AND DEMOLITION EFFORTS WITH EXISTING BELOW SLAB MECHANICAL, ELECTRICAL, PLUMBING, & FOUNDATION STRUCTURES. ALL TRENCHING AND SAW CUTTING SHOULD BE POURED BACK FLUSH AND LEVEL TO COMPLY WITH NEW CONSTRUCTION.	D-X	4. ALL EXISTING SECURITY CAMERAS TO REMAIN. PROTECT DURING DEMOLITION.
D-6	DEMOLISH PORTION OF EXISTING PARTITION TO STRUCTURE AND EXTENTS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION. ADJUST LOCATION OF WALL-MOUNTED DEVICES TO COORDINATE WITH NEW CONSTRUCTION.	KEY NOTES	5. AREAS/WALLS DAMAGED BY CONSTRUCTION EFFORTS DUE TO DEMOLITION OF ADJACENT PARTITIONS SHALL BE PATCHED AND PREPARED FOR NEW FINISHES.



1 DEMOLITION PLAN - LEVEL 1

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



2 DEMOLITION PLAN- LEVEL 2

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

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY
1177 STALLINGS STREET
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Sheet Title
DEMOLITION PLANS

Sheet No.

D-1.01

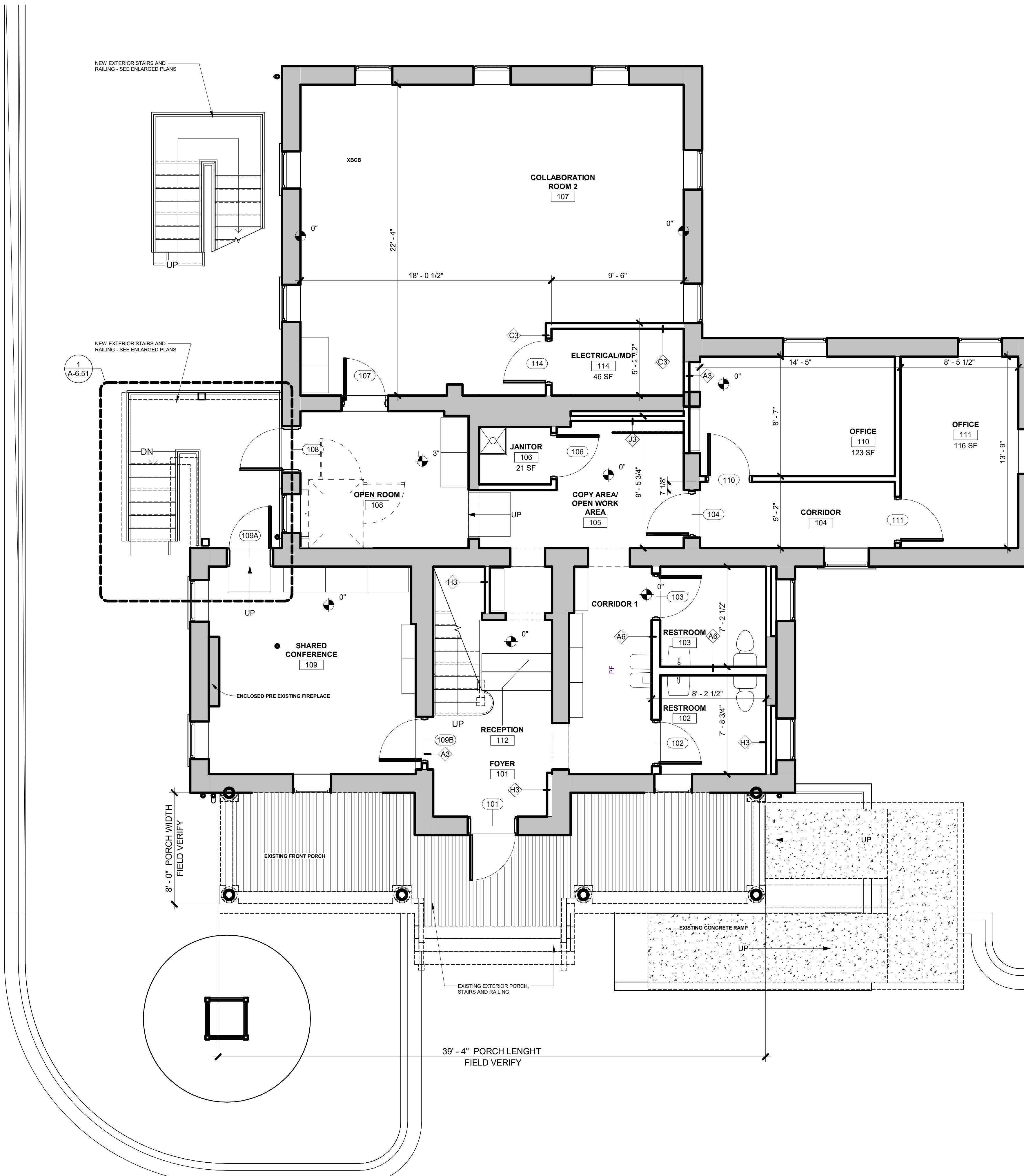
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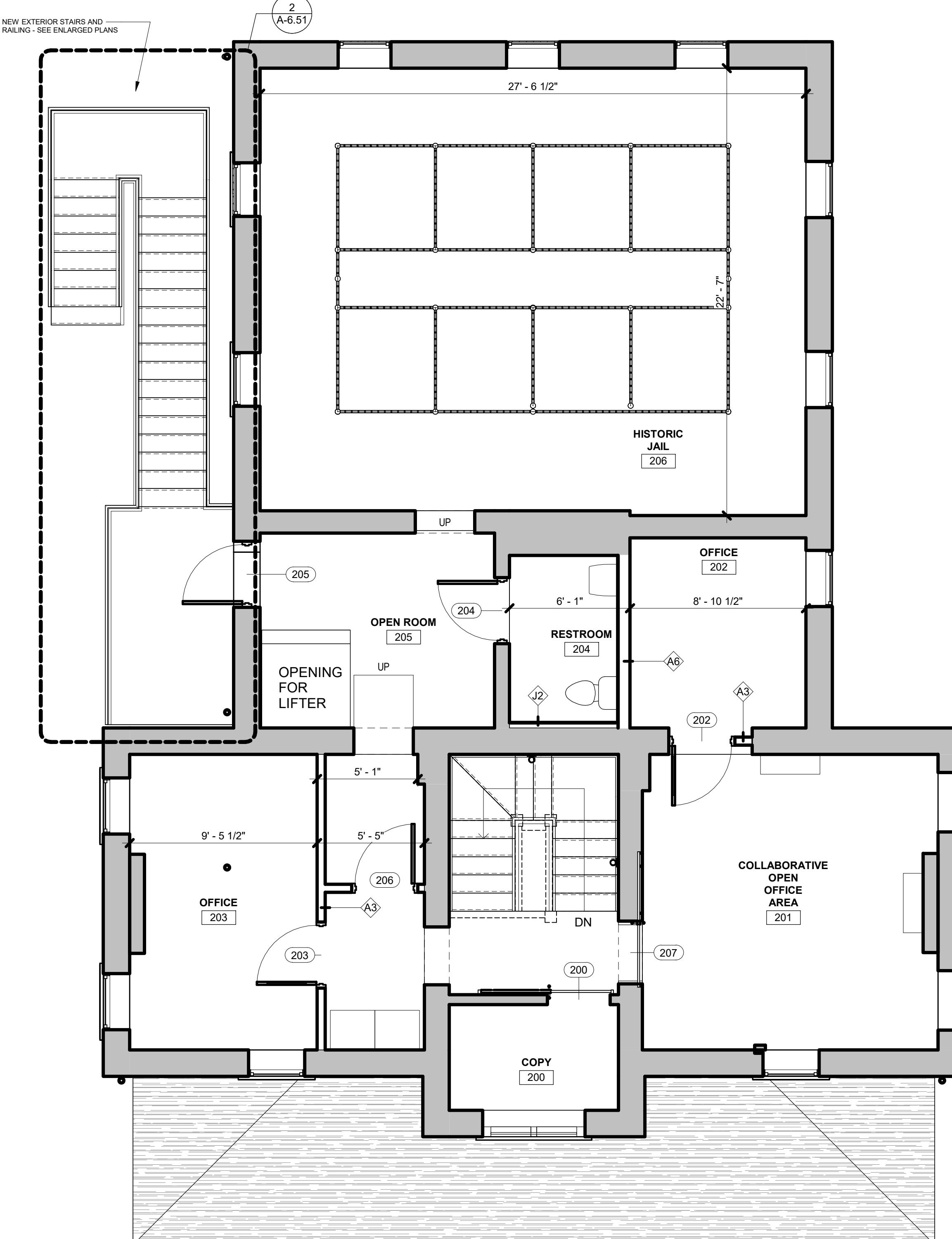
FLOOR PLAN GENERAL NOTES

1. ALL DOOR FRAMES IN METAL STUD WALLS SHALL BE SET 4" FROM PERPENDICULAR WALLS ADJACENT TO DOOR HINGE SIDE, U.N.O.
2. ALL DOOR FRAMES IN CMU WALLS SHALL BE SET 8" FROM PERPENDICULAR WALLS ADJACENT TO DOOR HINGE SIDE, U.N.O.
3. LOCATE CORNER GUARDS (C.G.) AS SHOWN ON THE PLANS.
4. THE FINISH ELEVATIONS OF EXIT LANDINGS SHALL NOT EXCEED A MAXIMUM OF 1/2" BELOW THRESHOLDS.



1 REFERENCE PLAN - LEVEL 1

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



2 REFERENCE PLAN - LEVEL 2

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

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY
1177 STALLINGS STREET
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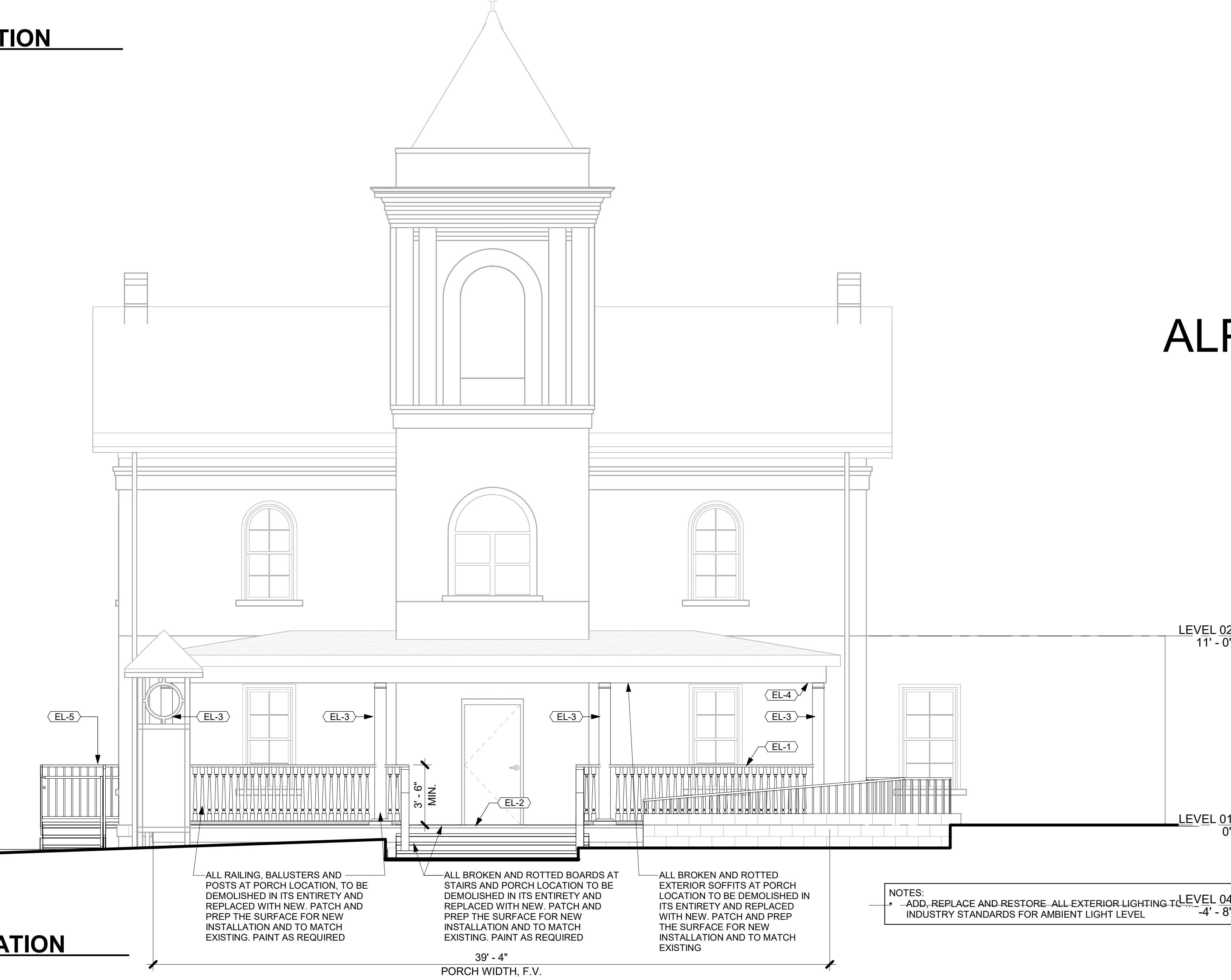
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2 WEST ELEVATION

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



3 SOUTH ELEVATION

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

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NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

KEY NOTES - ELEVATIONS	
KEY NOTE #	DESCRIPTION
EL-1	PORCH RAILING AND BALUSTERS
EL-2	STAIRS AND FLOOR AT PORCH
EL-3	ROOF SUPPORTING COLUMNS
EL-4	PORCH SOFFIT AND BOARDS
EL-5	NEW METAL STAIRS AND RAILINGS
EL-6	NEW ENTRANCE DOOR

PRINT RECORD

No. DATE DESCRIPTION

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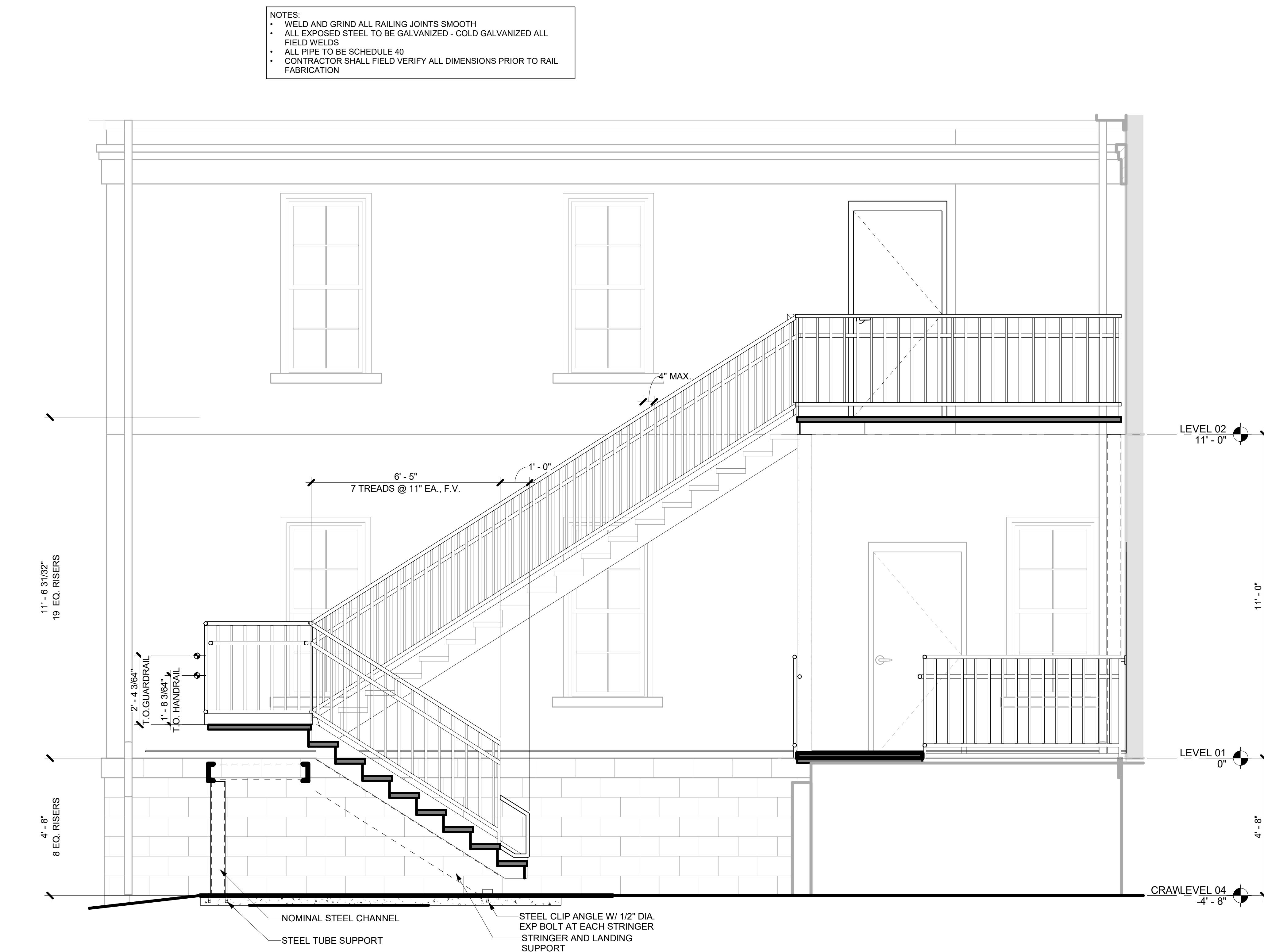
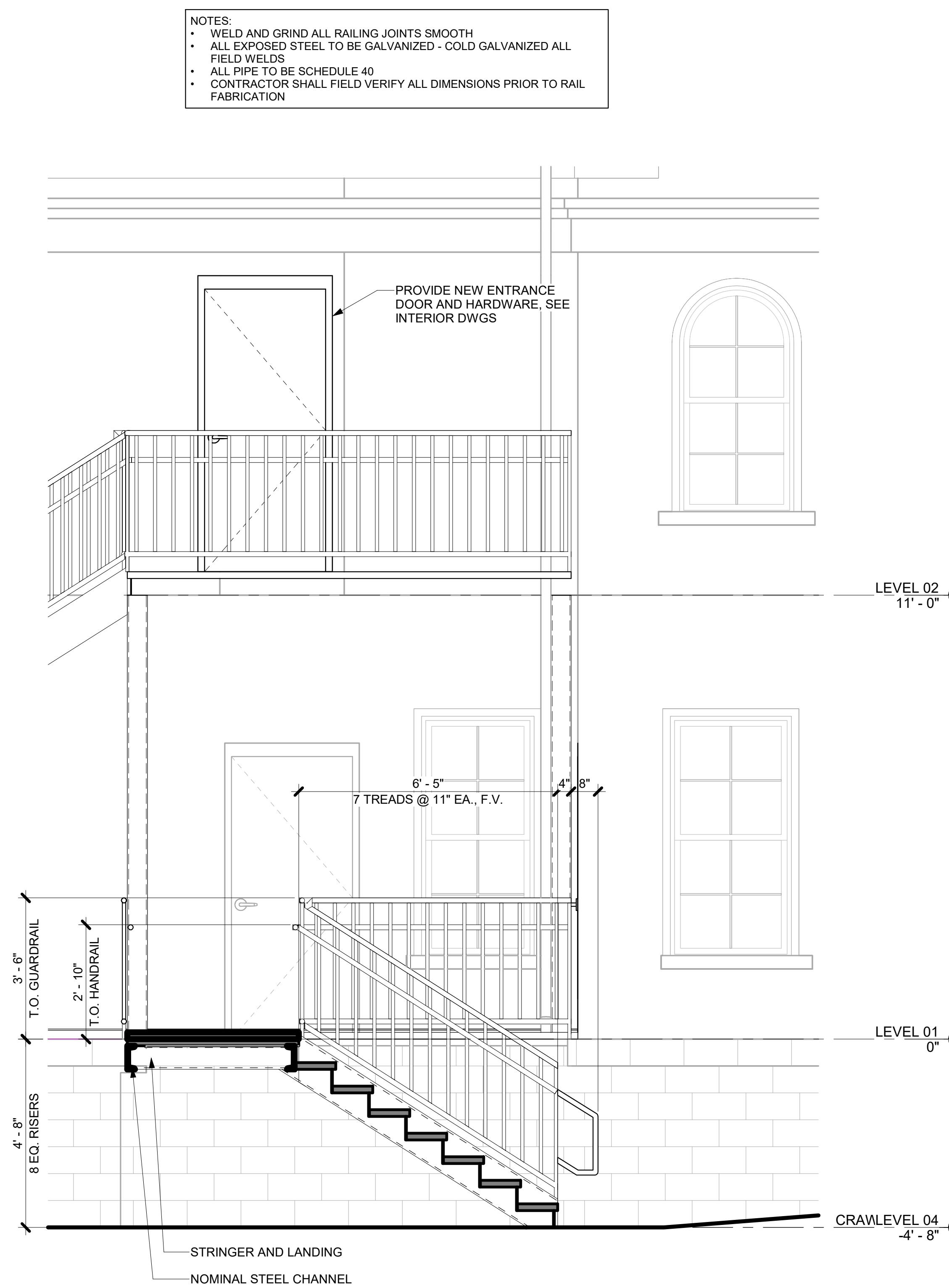
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EXTERIOR
ELEVATIONS

Sheet No.

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1 STAIR SECTION #1

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

2 STAIR SECTION #2

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

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**EXTERIOR STAIR
SECTIONS & DETAILS**

Sheet No.

A-6.52

NOT RELEASED FOR CONSTRUCTION

HARDWARE CODE	APPLICATION	DOOR HARDWARE TYPE											
		CLOSER	HINGES	TRIM	HANDLESET / LOCKSET / LATCH	HARDWARE COMMENTS							
INT-LOCK	OFFICE DOOR (WOOD OR HM)	STANDARD CLOSER	CLOSER W/ STOP, HOLD OPEN										
INT-OFFICE	OFFICE DOOR (WOOD OR HM)	CLOSED WITH STOP	CONCEALED CLOSER W/ STOP										
INT-REST	RESTROOM DOOR	CONTINUOUS HINGE											
INT-ST	STORAGE DOOR	OFFICE PIVOTS											
INT-ST-LK	JANITORS CLOSET, TEL DATA	STANDARD HINGE	BALL-BEARING HINGE										
INT-ENT	INTERIOR ENTRANCE DOOR	NON-FERROUS BB WITH N.R.P.	CONCEALED PIVOTS										
INT-COL	BREAK & OR COLLABORATION	WEATHERSTRIP / GASKETING											
INT-CON	CONFERENCE ROOM	BUMPERS											
2ND-ENT	SECONDARY ENTRY	THRESHOLD	FLOOR SWEEP										
		WALL-MOUNT DOOR STOP	KICK-DOWN HOLD OPEN										
		FLOOR STOP	RAIN Drip										
		MOP PLATE	MOP PLATE										
		KICK PLATE	ARMOR PLATE										
		STOREFRONT PULL & PUSH BAR	ROBE HOOK										
		PASSAGE LEVERSET	ENTRY LOCKSET										
		BARN DOOR LOCKSET	BARN DOOR LOCKSET										
		STOREROOM LEVERSET	OFFICE LOCKSET										
		PRIVACY LOCKSET											
		KEY PAD											
		PANIC BAR EXIT DEVICE											
		PUSH/PULL LEVERSET WITH PLATE											
		EXTENDED DECORATIVE PULL											
		2ND ENTRY LOCKSET											
		MORTISE PULL (RECESS PULL)											
		FLUSH BOLT (PAIR DOORS ONLY)											
		SECURITY											
		ELECTRONIC CARD READER											
		MAGNETIC LOCK PLATE & COVER											
		J-BOX											
		FIRE ALARM SYSTEM											

GENERAL NOTES

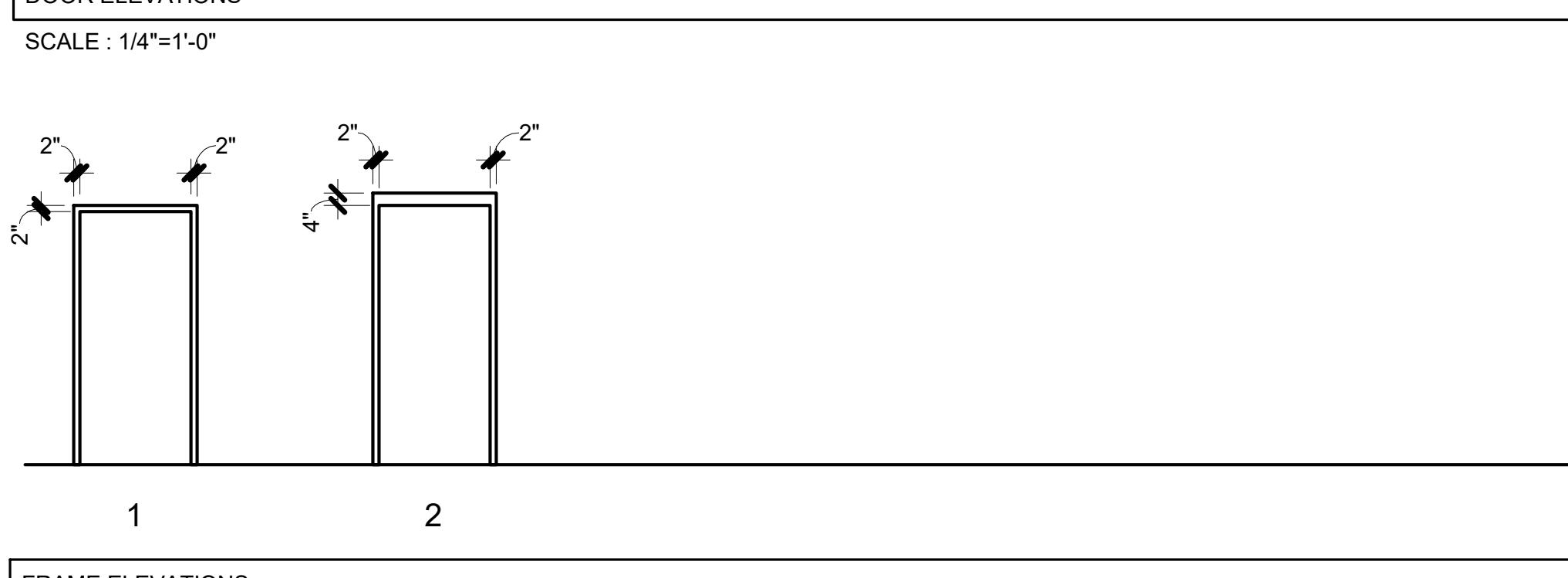
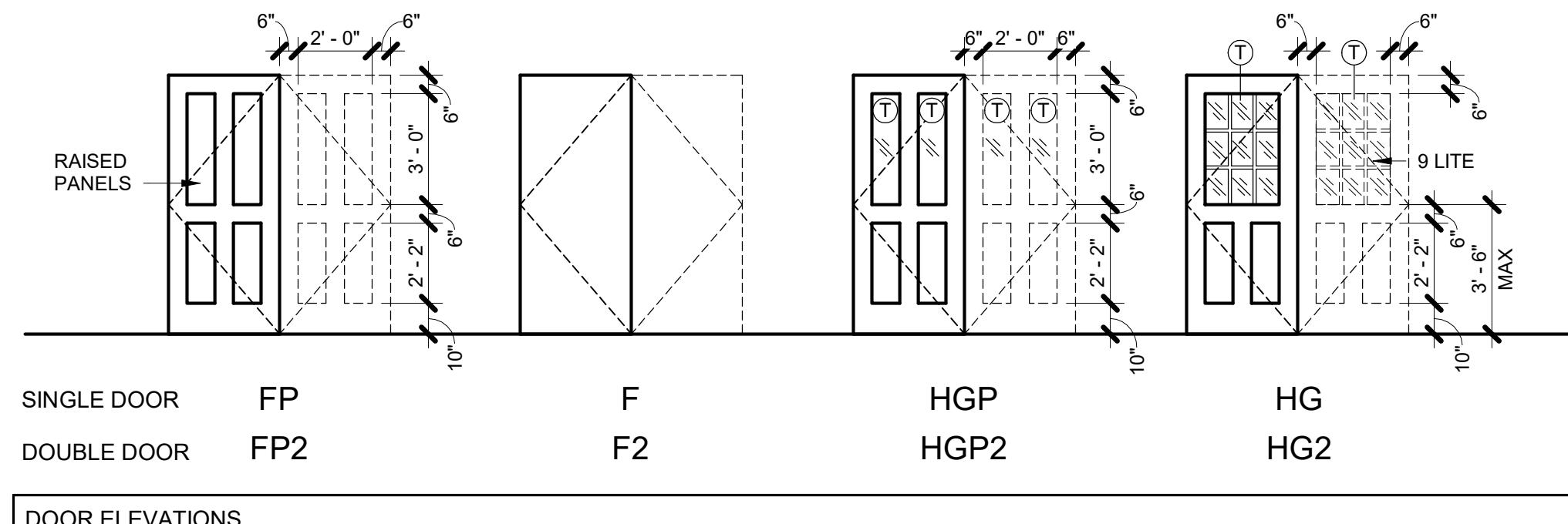
- REFER TO ADA REGULATORY DIAGRAMS FOR MORE INFORMATION
- SEE GENERAL SPECIFICATIONS FOR DOOR AND FRAME FINISHES.
- ALL DOOR HARDWARE SHALL BE HANDICAP ACCESSIBLE, COMPLYING WITH 2013 ADA STANDARDS FOR ACCESSIBLE DESIGN.
- WHEN DOORS SWING INTO A HALLWAY, PROVIDE DOOR SCHEDULE NOTES AND HARDWARE SPECIFICATIONS. NOTIFY THE ARCHITECT OF DISCREPANCIES TO RECEIVE DIRECTION ON HOW TO PROCEED.
- TIE MAGNETIC LOCK INTO FIRE ALARM.
- REFER TO THE PARTITION TYPE OR APPLICABLE WALL SECTION AND THEN TO TYPICAL DOOR DETAILS FOR APPROPRIATE DETAIL.
- ALL EXTERIOR HOLLOW METAL DOORS TO BE INSULATED.
- ALL FIRE RATED DOORS TO HAVE CLOSERS.
- PROVIDE BRASS STOP BAR TRANSITION STRIPS AT THE FOLLOWING FLOORING TRANSITIONS: WOOD-PORCELAIN, WOOD-CARPET, CARPET-PORCELAIN.

ABBREVIATIONS LEGEND

DOOR MATERIAL TYPE	FINISH TYPE
ALUM - ALUMINUM	STD - STAIN
HM - HOLLOW METAL	PTD - PAINT
PLAM - PLASTIC LAM CLAD	PF - PREFINISHED
SCWD - SOLID CORE WOOD	

FRAME MATERIAL TYPE	GLAZING TYPE
ALUM - ALUMINUM	T - CLEAR TEMPERED GLASS
HM - HOLLOW METAL	TT - TINTED & TEMPERED GLASS
STL - STEEL	IT - INSULATED TEMPERED GLASS
WD - WOOD	

DOOR SCHEDULE													
NO.	DOOR		FRAME		DETAILS		HEAD	JAMB	SILL	NOTES	DOOR HARDWARE		
	ELEVATION	SINGLE / PAIR	WIDTH	HEIGHT	THICK.	MATL.	FINISH	ELEVATION	MATL.	FINISH			
101	HG	SINGLE	3'-3"	7'-0"	2"	SCWD	STD	2	HM	PTD	A-7.51/1	A-7.51/4	
102	F	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	2	HM	PTD	A-7.51/7	A-7.01/8	
103	F	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	2	HM	PTD	A-7.51/7	A-7.01/8	
104	HGP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	A-7.51/2	A-7.51/5	
106	F	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	--	--	
107	F	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	--	--	
108	F	SINGLE	3'-0"	7'-0"	1 3/4"	HM	PTD	2	HM	PTD	A-7.51/1	A-7.51/4	
109A	F	SINGLE	3'-0"	7'-0"	1 3/4"	HM	PTD	2	HM	PTD	A-7.51/1	A-7.51/4	
109B	FP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	A-7.51/2	A-7.51/5	
110	FP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	--	--	
111	FP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	--	--	
114	F	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	--	--	
200	HGP	SINGLE	3'-2"	7'-0"	1 3/4"	SCWD	STD	SEE DETAIL	PF	STL	A-7.51/3	A-7.51/6	
202	HGP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	A-7.51/7	A-7.51/8	
203	HGP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	A-7.51/7	A-7.01/8	
204	FP	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	A-7.51/2	A-7.51/5	
205	F	SINGLE	3'-0"	7'-0"	1 3/4"	HM	PTD	2	HM	PTD	A-7.51/1	A-7.51/4	
206	F	SINGLE	3'-0"	7'-0"	1 3/4"	SCWD	STD	1	HM	PTD	A-7.51/1	A-7.51/4	
207	B	SINGLE	3'-2"	7'-0"	1 3/4"	SCWD	STD	5	PF	STL	--	--	



NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

1177 STALLINGS STREET
COVINGTON, GEORGIA

PRINT RECORD

No.	Date	Description
1	09-23-2024	ISSUED FOR PRICING

Drawn By

Author

Checked By

Checker

Date

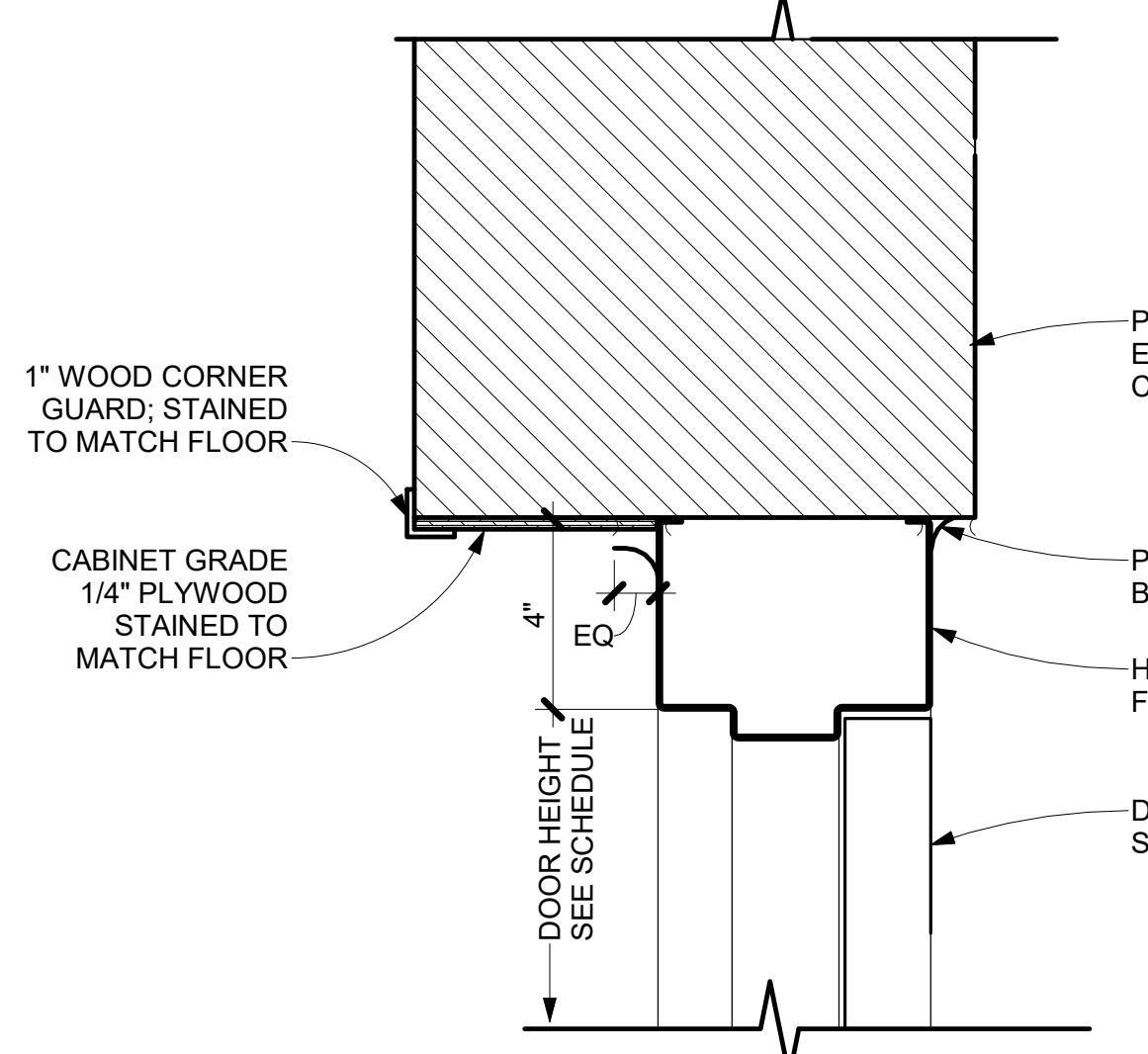
09-23-2024

Job No.

24004

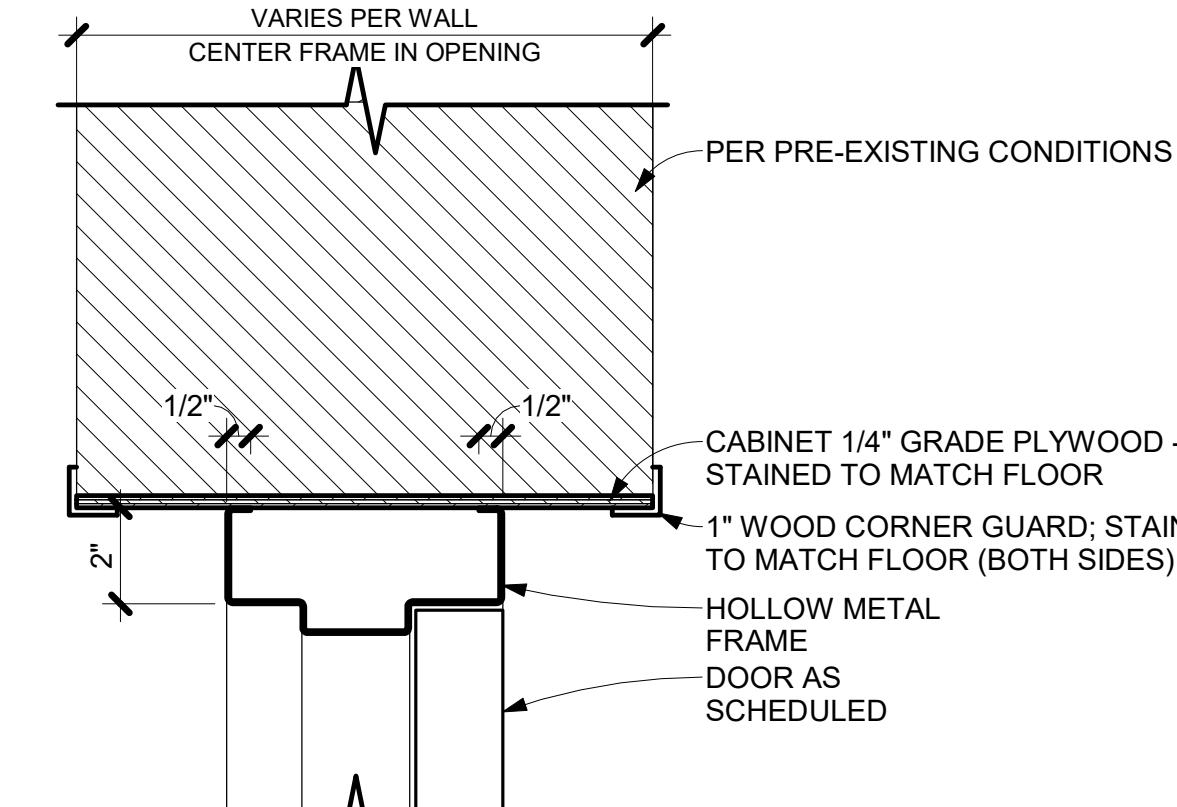
Sheet Title
DOOR & WINDOW SCHEDULE AND ELEVATIONS

Sheet



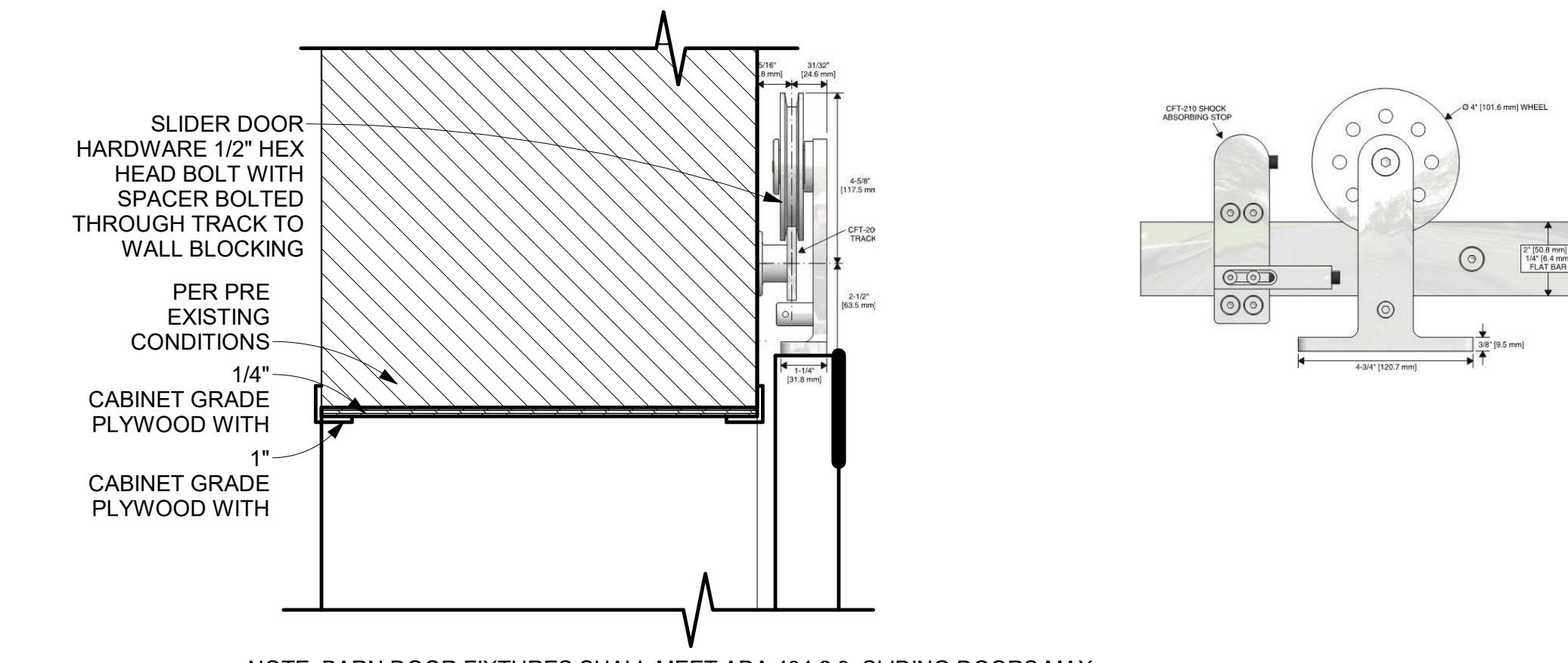
1 HEAD DETAIL

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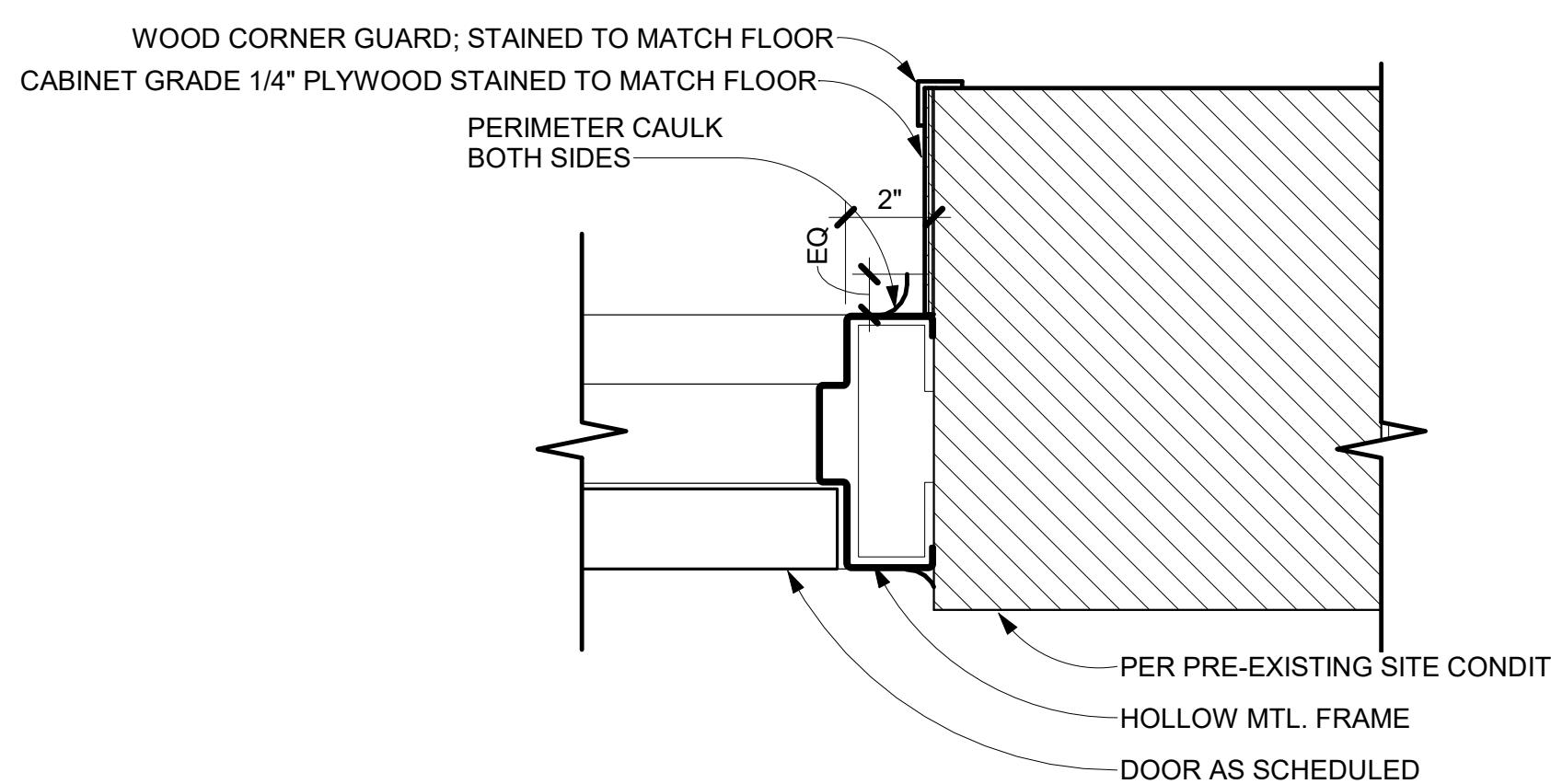
2 HM HEAD DETAIL

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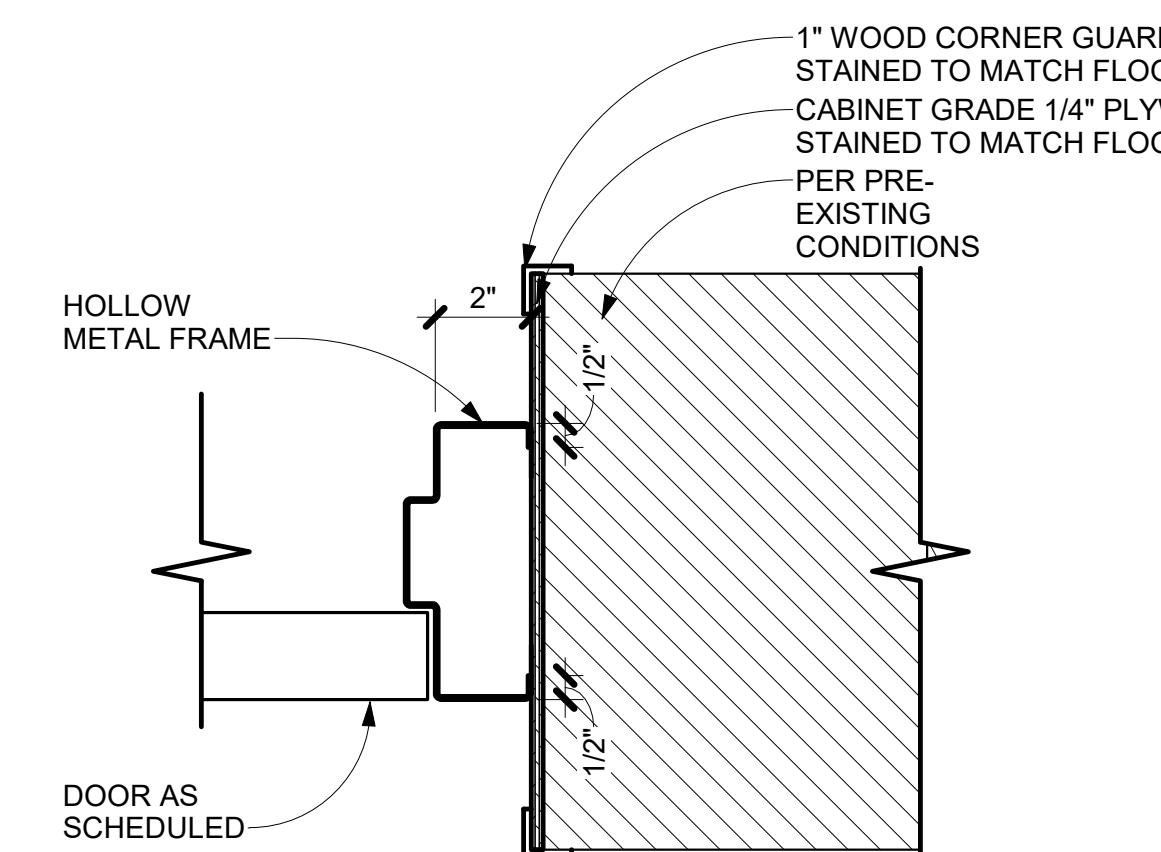
3 HEAD DETAIL

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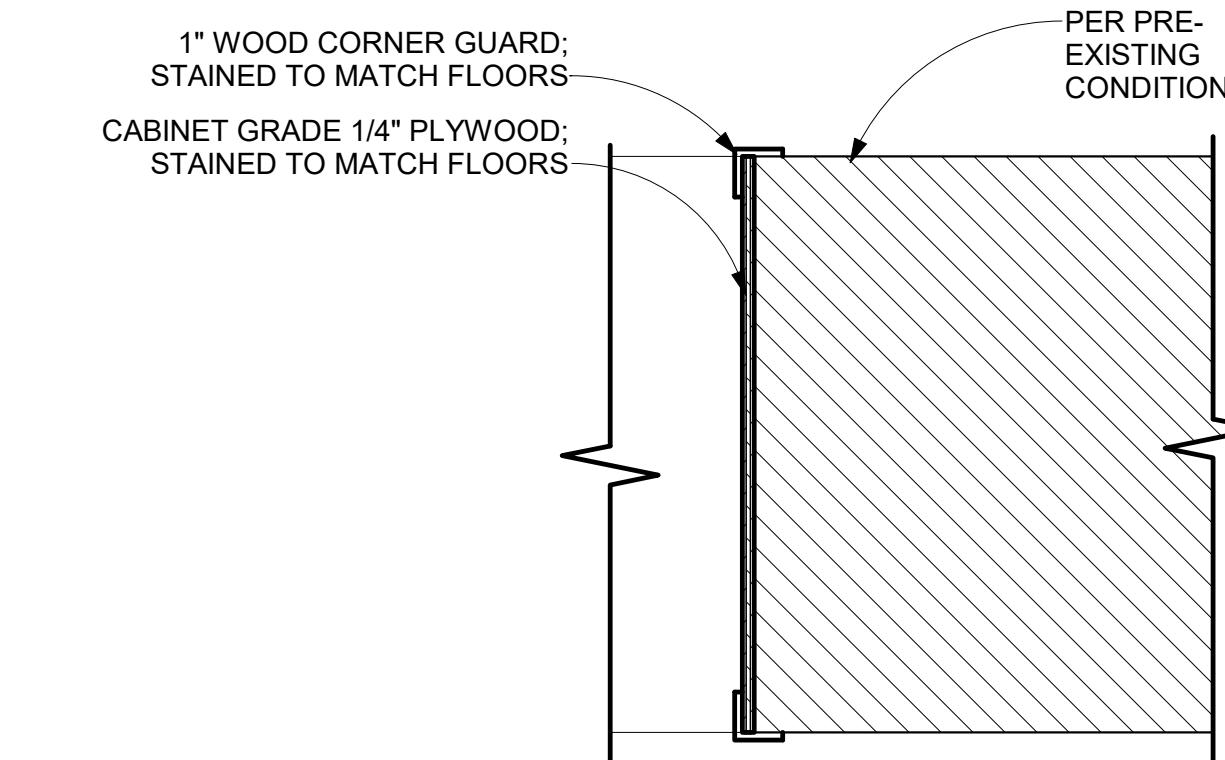
4 JAMB DETAIL

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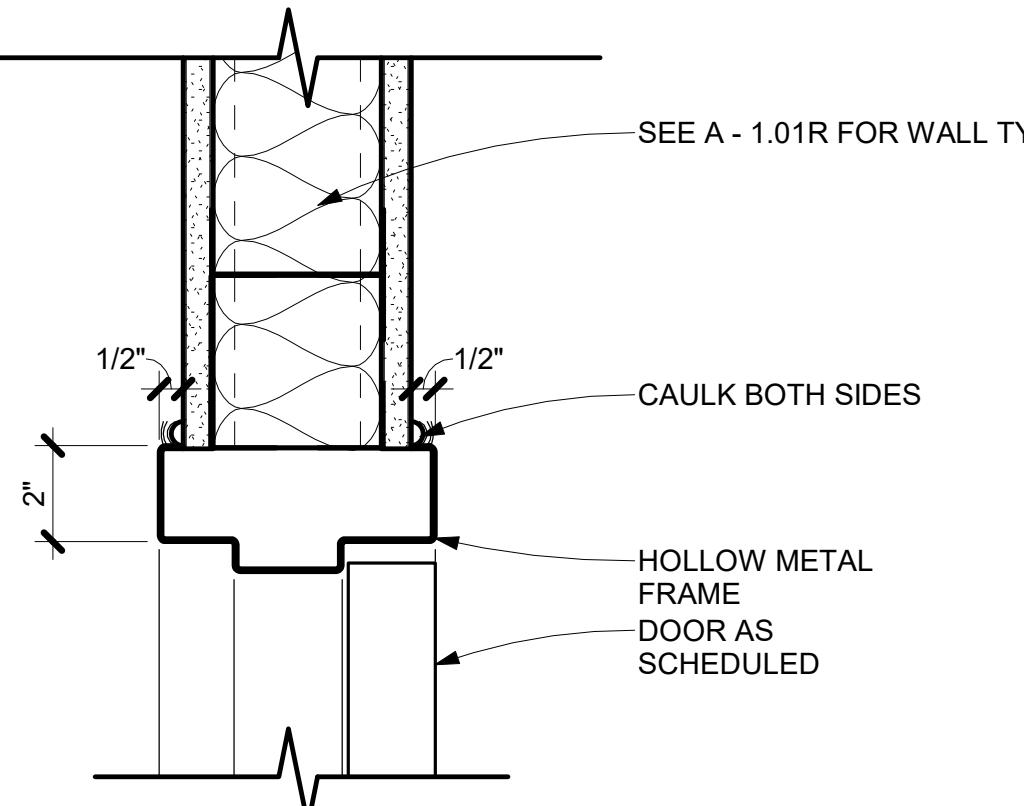
5 HM JAMB DETAIL

SCALE: 3" = 1'-0"



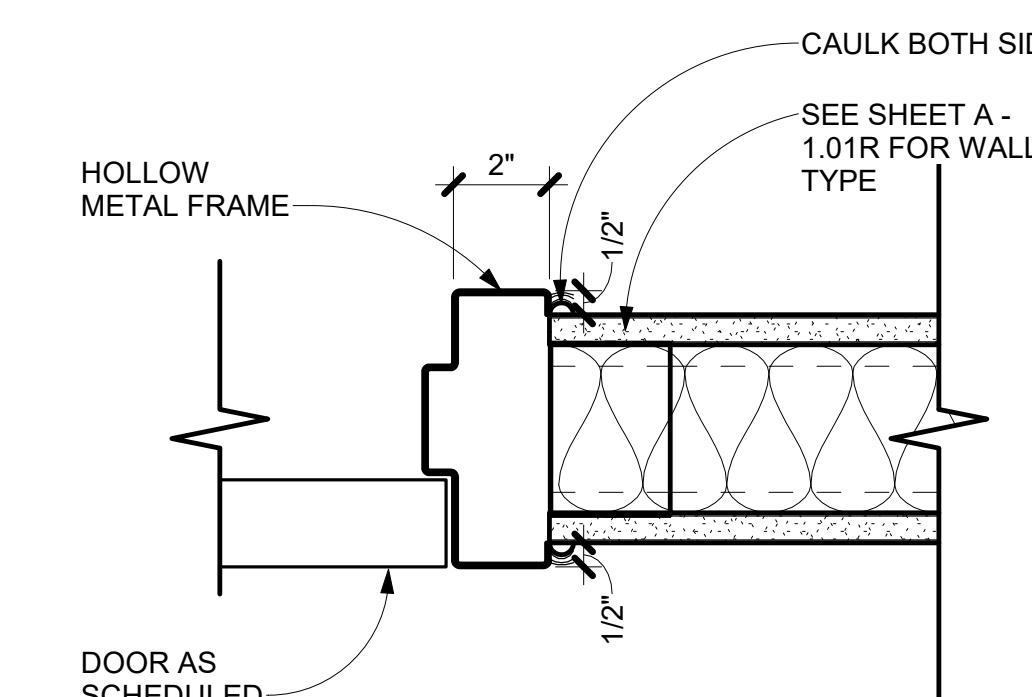
6 JAMB DETAIL - OPENING

SCALE: 3" = 1'-0"



7 HM HEAD DETAIL

SCALE: 3" = 1'-0"



8 HM JAMB DETAIL

SCALE: 3" = 1'-0"

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

1177 STALLINGS STREET

COVINGTON, GEORGIA

PRINT RECORD

No. DATE DESCRIPTION

1 09-23-2024 ISSUED FOR PRICING

Drawn By Checked By

Author Checker

Date Job No.

05-16-2025 24004

Sheet Title

DOOR DETAILS

Sheet No.

ALPHA BLDG SET 10-06-2025

A-7.51

NOT RELEASED FOR CONSTRUCTION

FINISH LEGEND				FINISH PLAN GENERAL NOTES				MILLWORK GENERAL NOTES				
FLOORING	WALLS	PLASTIC LAMINATE AND COUNTERTOPS										
LVP: LUXURY VINYL PLANK, FIELD MFR: PATCRAFT COLLECTION: POLYCHROME COLOR: RADIANCE SIZE: 9" X 48" INSTALL: TRACY ROAN CONTACT: 404.316.4631 TRACY.ROAN@PATCRAFT.COM	P-1: GENERAL PAINT MFR: SHERWIN WILLIAMS, BASIS OF DESIGN COLOR: SW6193 PRIVILEGE GREEN FINISH: TWO (2) COATS LATEX EGGSHELL @ GWB (NOTE: USE LIMEWASH IN MATCHING COLOR TO WHITEWASH BRICK U.N.O.)	PL: PLASTIC LAMINATE MFR: FORMICA COLOR: NUT BROWN CHERRY INSTALL: CABINETS VERTICAL EDGES TO BE PVC EDGEBANDING TO MATCH PLASTIC LAMINATE; BY CHARTER INDUSTRIES, BASIS OF DESIGN		1. ALL INTERIOR FINISH SPECIFICATIONS ARE INCLUDED HEREIN OR IN THE ATTACHED SPECIFICATIONS IF APPLICABLE. DISCREPANCIES, OMISSIONS AND DISCONTINUED OR DELAYED MATERIALS ARE TO BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY FOR RESOLUTION PRIOR TO PROCEEDING. THE DESIGN PROFESSIONAL IS TO RECOMMEND A SUBSTITUTION FOR ANY MATERIALS WHICH ARE DISCONTINUED OR REMOVED FROM THE MARKET. ALL FINISHES ARE TO BE APPROVED BY THE DESIGN PROFESSIONAL AND BY THE ARCHITECT. APPROVALS ARE TO BE IN WRITING AND NOT BY TELEGRAM OR FAX. APPROVALS ARE TO BE MADE BY ANOTHER PART AFTER INITIAL DRAWING ISSUANCE DATE UNLESS RECORDED IN A REVISION BY ARCHITECT. 2. SUBSTITUTIONS OF FINISH MATERIALS MUST BE SUBMITTED IN WRITTEN FORM AND ACTUAL SAMPLES PROVIDED FOR REVIEW BY THE DESIGN PROFESSIONAL AND USER GROUP. CONSTRUCTION PROFESSIONAL MUST RECEIVE APPROVAL SIGNATURE BEFORE PROCEEDING. REVIEW OF SUBSTITUTIONS DUE TO A CHANGE IN THE ORIGINAL SCHEDULE OR BUDGET MAY BE CONSIDERED ADDITIONAL SERVICES. 3. INSTALL ALL FINISH MATERIALS ACCORDING TO MANUFACTURER'S INSTRUCTIONS. REMEDIATION OF MOISTURE IN THE CONCRETE SUBSTRATE IS THE RESPONSIBILITY OF THE CONSTRUCTION PROFESSIONAL AND ITS INSTALLATION MUST BE ADHERED TO IN ORDER TO AVOID RISK OF VOIDING WARRANTY. 4. ONLY ONE DYE-LOT OF EACH STYLE AND COLOR SPECIFIED IN THE FINISH SCHEDULE SHALL BE USED. 5. REMOVE FINISH MATERIALS FROM PACKING AND ALLOW TO ACCLIMATIZE TO AREA OF INSTALLATION ACCORDING TO MANUFACTURER'S SPECIFICATIONS. 6. ALL SURFACES WHICH ARE TO RECEIVE A FINISH APPLICATION SHALL BE COMPLETELY SMOOTH FOR SCHEDULED FINISH MATERIALS. 7. ALL METAL, PLASTIC, GLASS, CERAMIC, AND OTHER SURFACES WHICH ARE TO BE PAINTED OR PAINTED ARE TO BE PREPARED FOR PAINTING. 8. ALL NEW PAINTED SURFACES ARE TO RECEIVE ONE PRIME COAT AND A MINIMUM OF TWO FINISH COATS. APPLY ADDITIONAL COATS OF PRIME AND FINISH PAINT AS REQUIRED UNTIL EXISTING UNDERCOAT OR OTHER CONDITIONS ARE FULLY CONCEALED AND PAINT FILM IS OF A UNIFORM FINISH, COLOR AND APPEARANCE. REFER TO SPECIFICATION SECTION 099123 INTERIOR PAINTING FOR CLARIFICATION. 9. PAINT FOR DOOR FRAMES AND DOORS WHEN APPLICABLE, WILL BE SHERWIN WILLIAMS PRO-CLASSIC WATER-BASED ACRYLIC SEMI-GLOSS B-31 SERIES, BASIS OF DESIGN. 10. ALL SURFACES TO BE STAINED, SHALL BE FABRICATED PER AW STANDARDS, REFER TO SPECIFICATIONS FOR CLARIFICATION. 11. PRIOR TO FLOORING INSTALLATIONS, PERFORM A CALCIUM CHLORIDE MOISTURE TEST TO ENSURE MOISTURE CONTENT MEETS MANUFACTURER'S ACCEPTABLE LEVELS. CONSTRUCTION PROFESSIONAL TO DOCUMENT AND MAINTAIN RECORDS. 12. FLOORING TRANSITIONS WILL OCCUR UNDER CENTERLINE OF DOOR IN CLOSED POSITION., U.N.O. 13. ALL FLOORING MATERIALS OF DIFFERENT THICKNESSES MEET LEVEL AS REQUIRED TO MEET ADA GUIDELINES AND SHOWN AS SPECIFIED. 14. INSTALL CERAMIC, PORCELAIN AND STONE TILES WITH MANUFACTURER'S MINIMUM RECOMMENDED GROUT WIDTH, U.N.O.; GROUT TO BE IMPREGNATED AND SEALED. 15. PAINT FIRE EXTINGUISHER CABINETS SEMI-GLOSS TO MATCH WALL ON WHICH IT OCCURS. 16. BASE CABINET PLASTIC LAMINATE TOE KICKS TO MATCH CORRESPONDING BASE CABINET PLASTIC LAMINATE SPECIFICATION, U.N.O. 17. ALL WET VENETS TO RECEIVE PROCECIL TILES TO HAVE CEMENT BACKER BOARD 18. SUBMIT SAMPLES OF ALL FINISH MATERIALS TO THE DESIGN PROFESSIONAL FOR APPROVAL PRIOR TO ORDERING MATERIALS AND COMMENCING WORK. SUBMIT ACTUAL COLOR AND FINISH OF PAINT ON 8 1/2" X 11" SAMPLES. WALLCOVERING SAMPLES MUST BE CUT FROM ACTUAL ROLL TO BE USED FOR INSTALLATION. 19. PREPARE SURFACES FOR ACCEPTING OF FINISHES PER MANUFACTURER'S RECOMMENDATIONS. 20. WHEN BASE IS CONTINUOUS OR TRANSITIONED ON AN OUTSIDE CORNER WHERE FLOOR MATERIALS OF DIFFERENT THICKNESSES OCCUR, SET BASE ON TOP OF LOWER FLOORING MATERIAL AND TRIM THE BOTTOM OF BASE AT THE HIGHER FLOORING SUCH THAT IT IS BOTH TIGHT TO THE FLOORING AND ALIGNS WITH THE BASE AT THE OUTSIDE CORNER AT THE TOP EDGE. NOTE: WOOD BASE TO BE INSTALLED AFTER FLOORING IS INSTALLED. 21. PROVIDE BLOCKING IN AREAS DESIGNED TO RECEIVE OVERHEAD CABINETS, TV DISPLAY SCREENS AND MARKERBOARDS. 22. IF DESIGN PROFESSIONAL'S WRITTEN DESCRIPTION OF COLOR NAME, NUMBER AND MANUFACTURER'S INFORMATION ARE IN CONFLICT, CONTACT DESIGN PROFESSIONAL FOR CLARIFICATION BEFORE ORDERING MATERIALS. 23. ALL CASEWORK WITH TRANSACTION COUNTERS TO RECEIVE TOPS FABRICATED IN SOLID SURFACE, U.N.O. REFER TO INTERIOR ELEVATIONS FOR CLARIFICATION. 24. PROVIDE BLOCKING IN AREAS DESIGNATED TO RECEIVE OVERHEADS IN ALL OFFICES. COVERPLATES ON DEVICES TO BE STAINLESS STEEL WITH GRAY OR BLACK RECEPTECLES. 25. ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED CP-1, U.N.O. 26. CLAD ALL WALLS OF JANITOR'S CLOSET WITH FRP-1								
	P-2: TRIM PAINT MFR: SHERWIN WILLIAMS, BASIS OF DESIGN COLOR: SW6193 PRIVILEGE GREEN FINISH: TWO (2) COATS SEMI-GLOSS; TYPICAL FOR ALL INTERIOR DOOR FRAMES	SS: SOLID SURFACE MFR: LX HAUSYS COLOR: MILKY WAY T009 FINISH: POLISHED THICKNESS: 1/2" LOCATION: ALL COUNTERTOPS										
T-1: MFR: STYLE: COLOR: GROUT: INSTALL: LOCATION: CONTACT: RESTROOMS JENNIFER POWERS 404.661.7918 JENNIFER.POWERS@FLORIDATILE.COM	P-3: ACCENT PAINT MFR: SHERWIN WILLIAMS, BASIS OF DESIGN COLOR: SW 9129 JADE DRAGON FINISH: TWO (2) COATS LATEX	TRIM MFR: SCHLUTER STYLE: VINPRO-T SIZE: BASIS OF DESIGN COLOR: BLACK LOCATION: AS SPECIFIED										
WF: WOOD FLOOR MFR: MINWAX STYLE: WOOD FINISH COLOR: COOPER BROWN - MW 419 (NOTE: AT MINIMUM USE TWO (2) COATS OF STAIN AND TWO (2) COATS OF INDUSTRIAL GRADE WATER-BASED URETHANE WITH A MATTE FINISH AS A TOPCOAT.)	T-2: TILE (OPTION 1) MFR: FLORIDA TILE STYLE: FLUENT COLOR: CERAMIC (FLT20G) SIZE: 4" X 16" GROUT: LATICRETE - 23 ANTIQUE WHITE MONOLITHIC - SEE ELEVATION FOR DIRECTION. INSTALLATION: RESTROOMS, WALL BEHIND FOUNTAIN, KITCHEN	TR-1: TRIM MFR: SCHLUTER STYLE: VINPRO-U SIZE: BASIS OF DESIGN COLOR: BLACK LOCATION: AS SPECIFIED										
RB: RUBBER BASE MFR: ROPPE STYLE: CONTOURS #85 FASHION COLOR: 125 DOLPHIN LOCATION: AS SPECIFIED	T-2: MFR: STYLE: COLOR: GROUT: INSTALLATION: RESTROOMS, WALL BEHIND FOUNTAIN, KITCHEN	TR-2: TRIM MFR: SCHLUTER STYLE: RENO-U SIZE: BASIS OF DESIGN COLOR: BLACK LOCATION: AS SPECIFIED										
T-2A: TILE BASE MFR: FLORIDA TILE STYLE: FLUENT BULLNOSE (4X16) COLOR: CREAM LOCATION: WALL BEHIND FOUNTAIN	T-2: MFR: STYLE: COLOR: GROUT: INSTALLATION: RESTROOMS, WALL BEHIND FOUNTAIN, KITCHEN	TR-3: TRIM MFR: SCHLUTER STYLE: RENO-U SIZE: BASIS OF DESIGN COLOR: BLACK LOCATION: AS SPECIFIED										
WB: WOOD BASE MFR: MINWAX STYLE: WOOD FINISH COLOR: COOPER BROWN - MW 419 (NOTE: AT MINIMUM USE TWO (2) COATS OF STAIN AND TWO (2) COATS OF INDUSTRIAL GRADE WATER-BASED URETHANE WITH A MATTE FINISH AS A TOPCOAT.)	FRP-1: MFR: PATTERN: COLOR: SIZE: CLASS: PROVIDE WITH BATTEN AND CORNER GUARDS AS REQUIRED	TR-4: TRIM MFR: SCHLUTER STYLE: DILEX-AHK SIZE: BASIS OF DESIGN COLOR: BLACK LOCATION: RESTROOM @ FLOOR TILE TO WALL TILE APPLICATION										
WOOD DOORS	CEILINGS	TR-5: TRIM MFR: SCHLUTER STYLE: JOCON SIZE: BASIS OF DESIGN COLOR: BLACK LOCATION: RESTROOM & WALL BEHIND FOUNTAIN										
STD-1 SPECIES: SOLID CORE WOOD OAK STAIN GRADE COLOR: STAIN COLOR MINIWAX MW 419	CP-1: MFR: COLOR: FINISH: LOCATION: RESTROOMS	MISC. WT: WINDOW TREATMENT MFR: SWF CONTRACT STYLE: JOCON SIZE: 4" FASCIA COLOR: PARALLEL; BASIS OF DESIGN LOCATION: ALL WINDOWS; U.N.O.										
	CP-2: MFR: COLOR: FINISH: LOCATION: RESTROOMS	WF: WINDOW FILM MFR: SOLVX STYLE: SX-1409 SIZE: BASIS OF DESIGN COLOR: WHITE SAND MATTE LOCATION: ALL WINDOWS IN RESTROOMS										
	ACT: MFR: STYLE: COLOR: LOCATION: AS SPECIFIED	ACOUSTIC CEILING TILE CEILUME STRATFORD WHITE AS SPECIFIED										
	BB: MFR: COLOR: FINISH: LOCATION: AS SPECIFIED	BEADBOARD CEILING B.O.D: REUSE EXISTING WHEN POSSIBLE SW 9171 FELTED WOOL TWO (2) COATS LATEX (SCRUBBABLE MATTE)										

PRINT RECORD		
No.	DATE	DESCRIPTION
1	09-23-2024	ISSUED FOR PRICING

Drawn By
BNC
Date
05-16-2025
Checked By
Checker
Job No.
24004

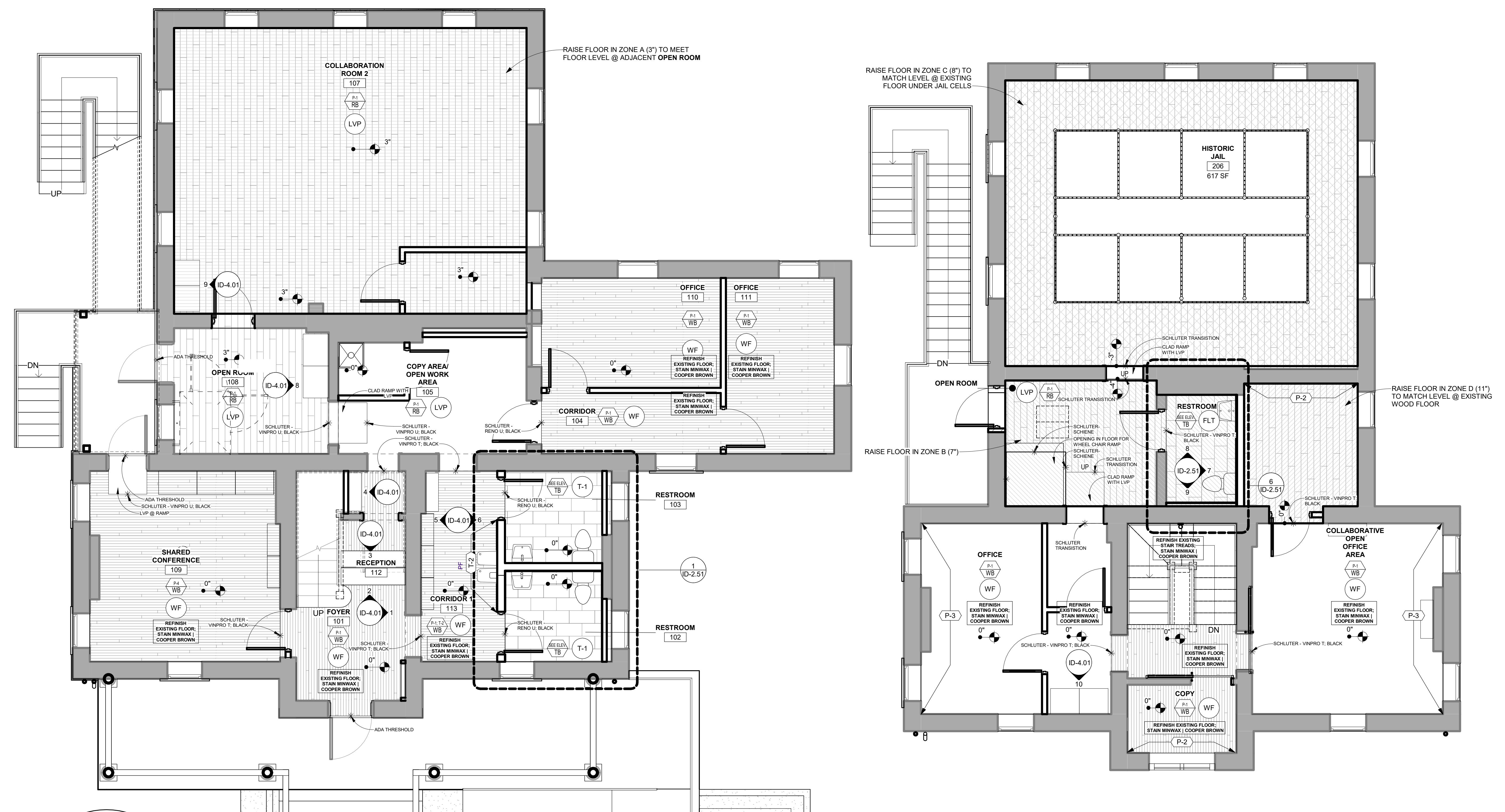
Sheet Title
FINISH SCHEDULE &
GENERAL NOTES

Sheet No.

ALPHA BLDG SET 10-06-2025

ID-1.01

ALPHA BLDG SET 10-06-2025



1 FINISH & REFERENCE PLAN - LEVEL

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

SCALE: 1/4" = 1'

2 FINISH & REFERENCE PLAN - LEVEL 2

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

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

PRINT RECORD

Drawn By BNC	Checked By Checker
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Date	Job No.
05-16-2025	24004

Sheet Title

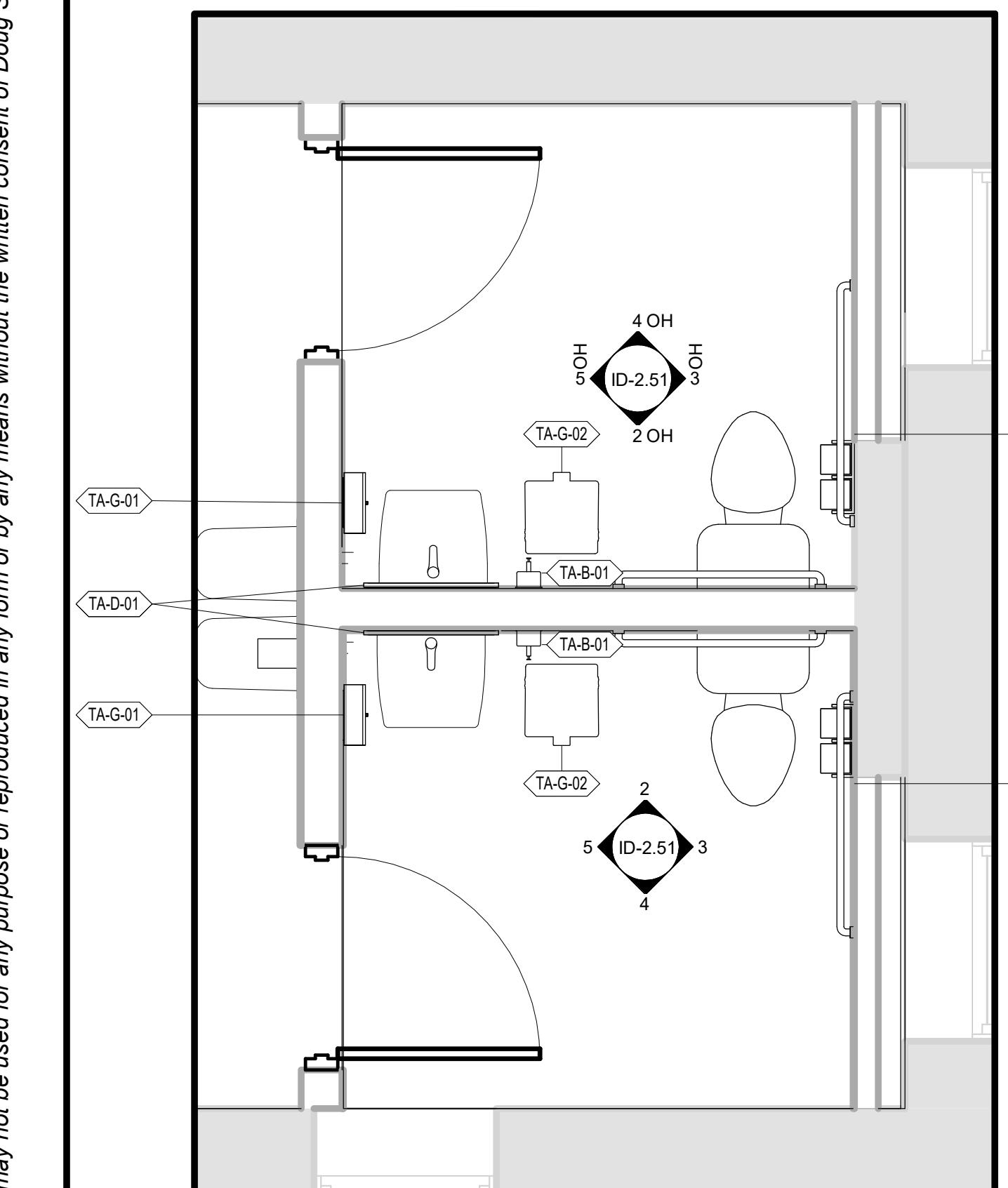
FINISH &

FINISH & REFERENCE PLANS

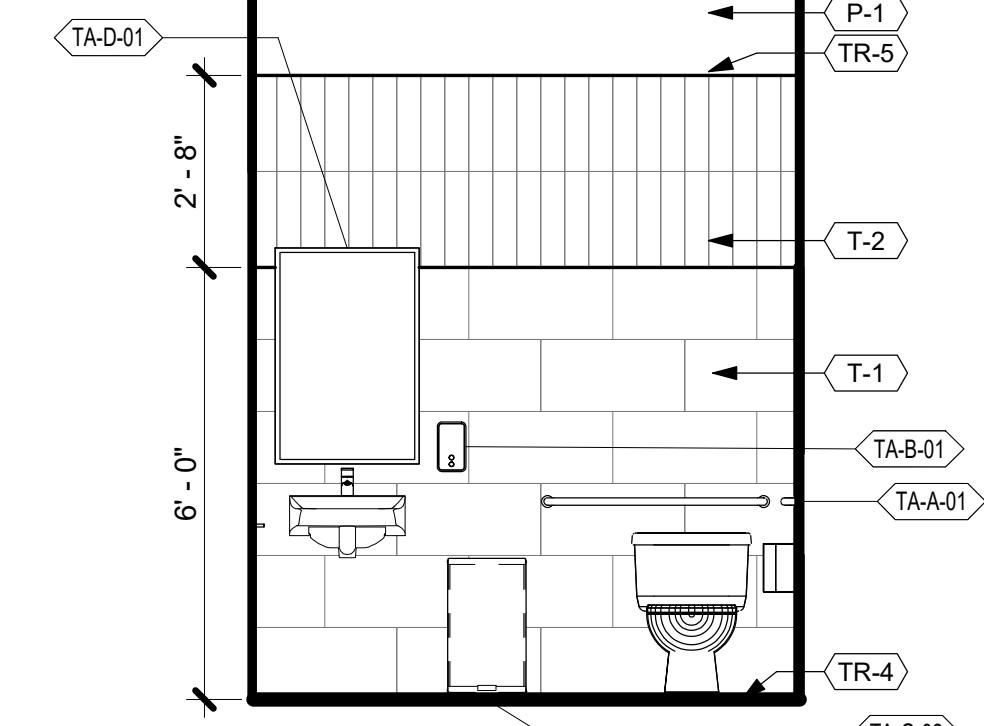
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| ID-2.01

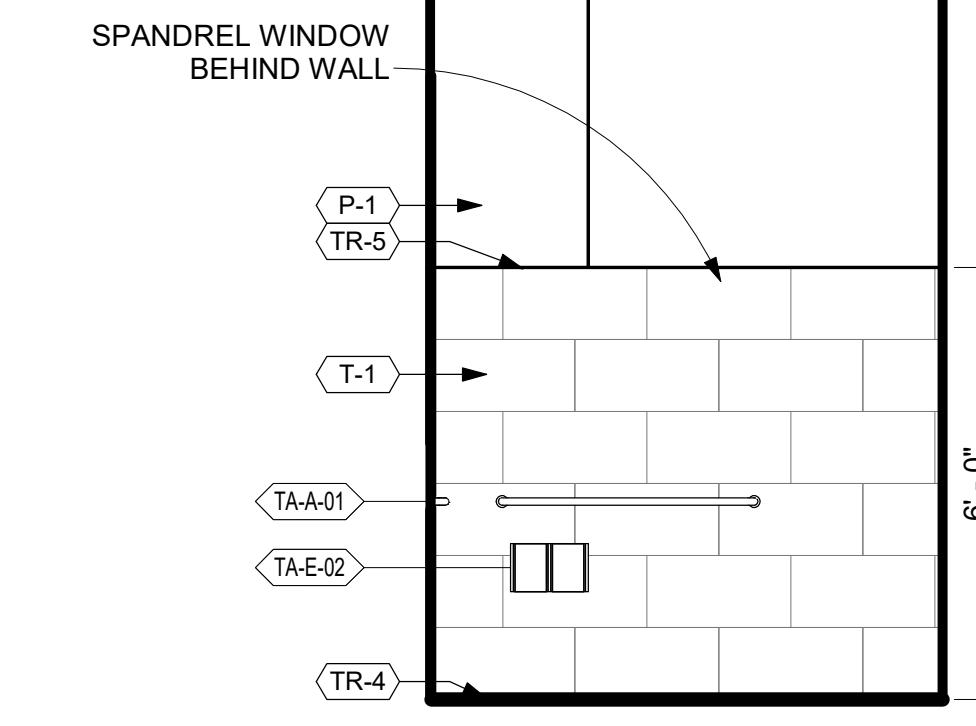
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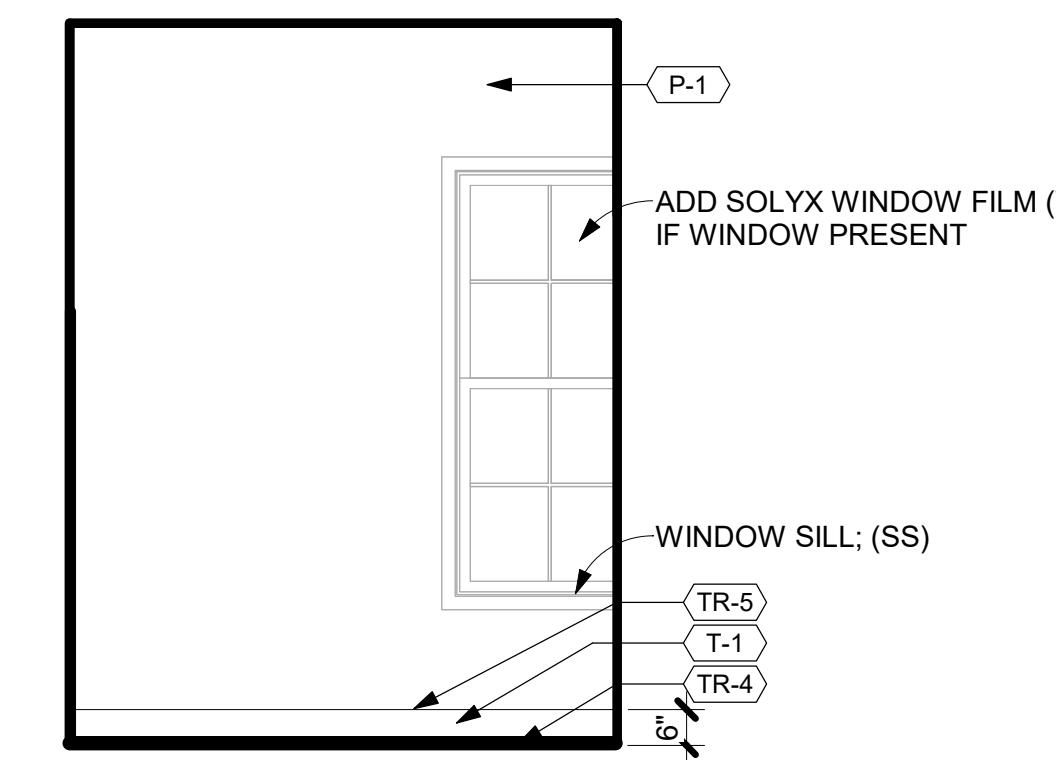
1 ENL. FINISH & REFERENCE PLAN - RR @
LVL 1
SCALE: 1/2" = 1'-0"



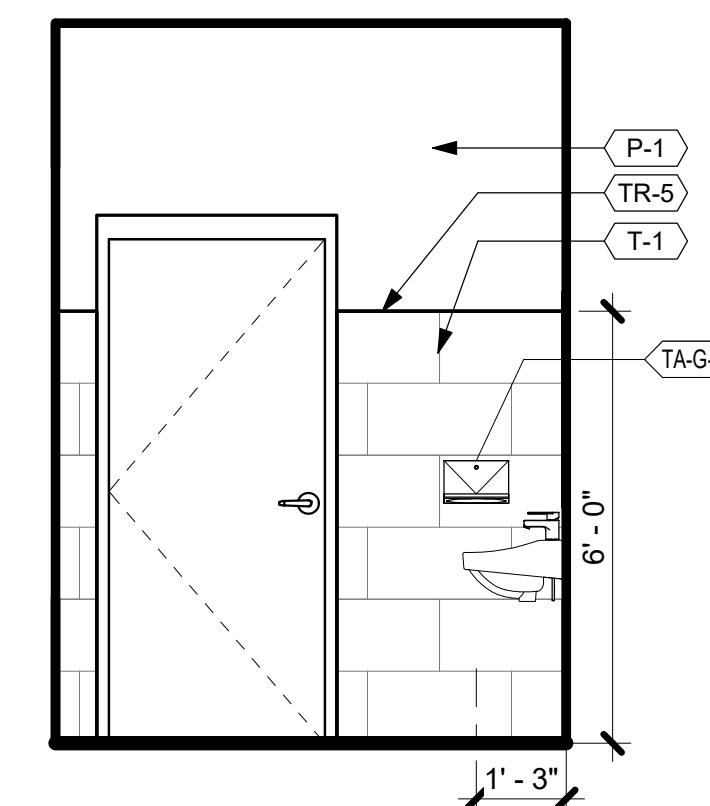
2 RESTROOM TYP. - WALL A
SCALE: 3/8" = 1'-0"



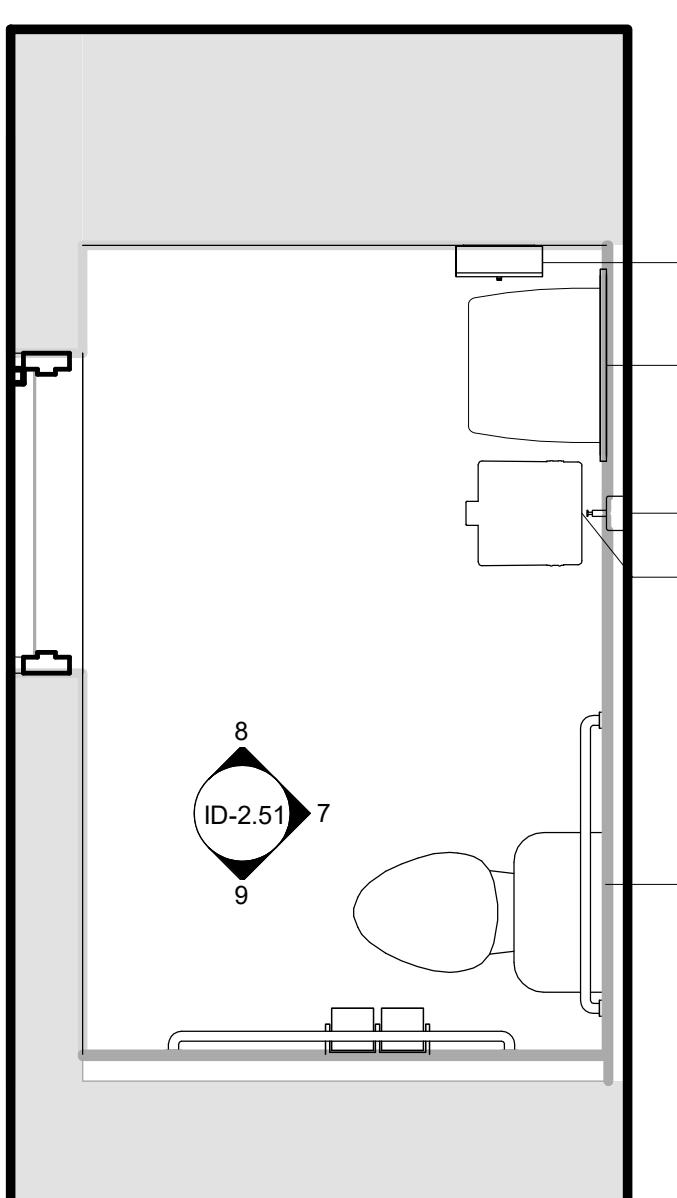
3 RESTROOM TYP. - WALL B
SCALE: 3/8" = 1'-0"



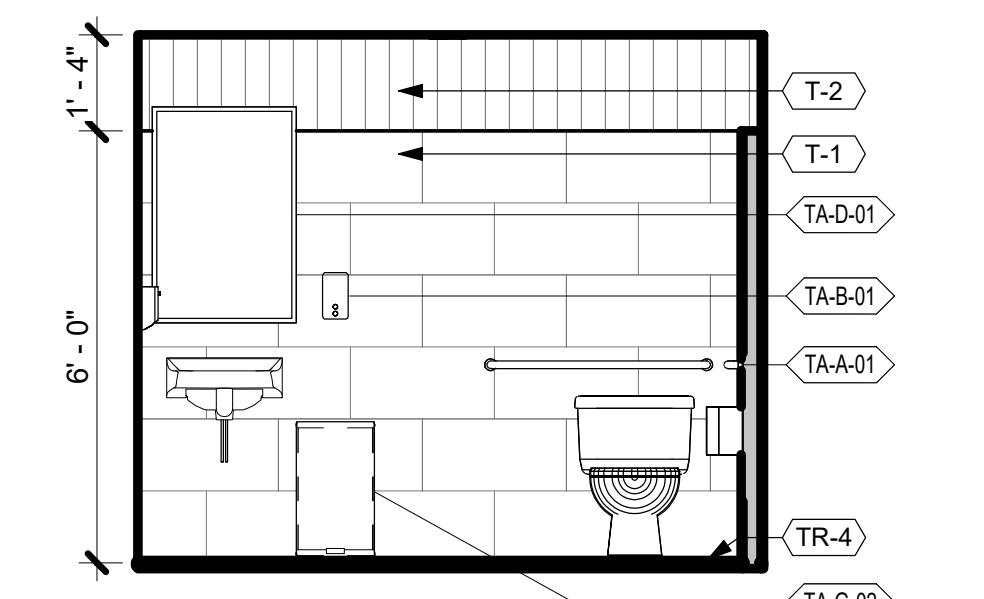
4 RESTROOM TYP. - WALL C
SCALE: 3/8" = 1'-0"



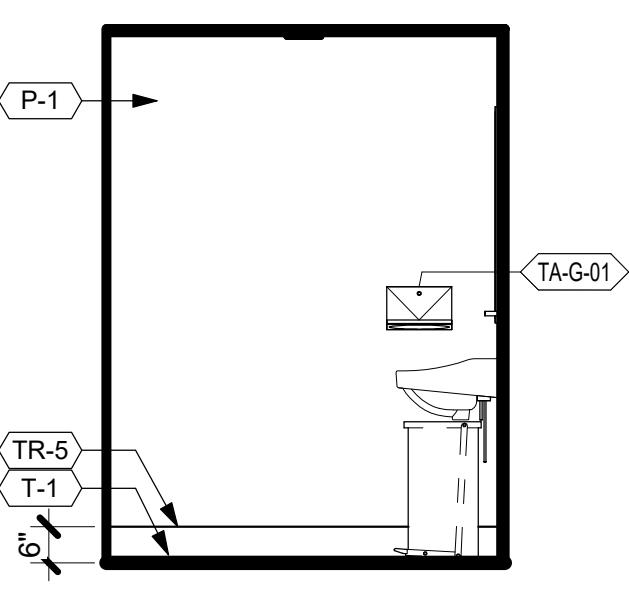
5 RESTROOM TYP. - WALL D
SCALE: 3/8" = 1'-0"



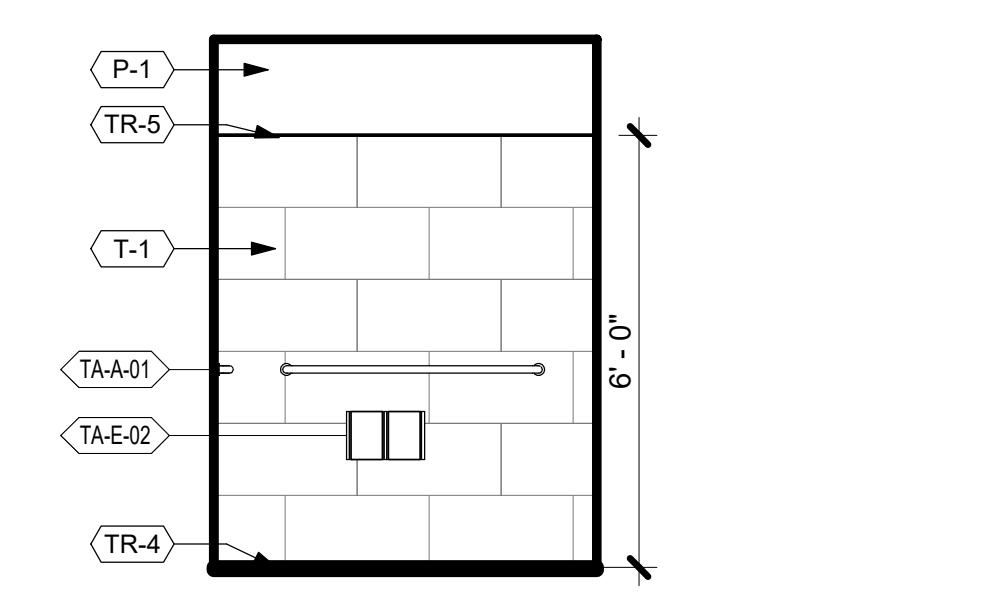
6 ENL. FINISH & REFERENCE PLAN - RR @
LVL 2
SCALE: 1/2" = 1'-0"



7 RESTROOM LVL 2 - E.WALL
SCALE: 3/8" = 1'-0"



8 RESTROOM LVL 2 - N. WALL
SCALE: 3/8" = 1'-0"



9 RESTROOM LVL 2 - S. WALL
SCALE: 3/8" = 1'-0"

MILLWORK GENERAL NOTES

- REFER TO INTERIOR ELEVATIONS, WHICH IDENTIFY THE ROOM AND WALL (NORTH, SOUTH, EAST OR WEST) ON WHICH THE CABINETRY IS LOCATED. COORDINATE ALSO WITH FLOOR PLANS.
- SPECIALIZED CABINET SECTIONS ONLY ARE KEYED OR NOTED ON CABINET ELEVATIONS. CABINET ELEVATIONS WILL ILLUSTRATE TYPICAL CONSTRUCTION & NOT EVERY DOOR AND/OR DRAWER VARIATION IS SHOWN.
- ALL WORKSURFACES & COUNTERTOPS ARE PL-2 U.N.O.
- PROVIDE FINISHED END PANELS AND/OR END RETURNS AT OPEN ENDED CABINETRY (INCLUDING KNEE SPACES).
- PROVIDE PLAIN CLAD TRIM AND FILLER PANELS WHERE EQUIPMENT IS LOCATED WITHIN CABINET UNITS.
- GLASS PANELS ARE 1/4" CLEAR TEMPERED GLAZING U.N.O.
- PROVIDE SIDE SPLASHES WHERE COUNTERTOPS ABUT WALLS AT SIDES - U.N.O.
- PROVIDE COUNTERTOP BRACE SUPPORTS AT 48" O.C. MAX. @ KNEE SPACES & LAVATORY COUNTERS, U.N.O.
- PROVIDE 3" DIA. GROMMETS AT BACK OF COUNTERTOPS EXACT LOCATION TO BE COORDINATED WITH THE OWNER IN THE FIELD AT THE TIME OF INSTALLATION.
- PROVIDE BLOCKING WITHIN PARTITION FOR ALL CABINETRY ATTACHED TO WALLS. SEE DETAILS FOR ATTACHMENT DETAILS.
- PROVIDE ALL STRAIGHT RUN COUNTERTOPS THAT HAVE SINKS, WITH SEPARATE BACKSPLASH TO COUNTERTOP.
- FILE DRAWERS ARE NOTED ON ELEVATIONS. PROVIDE MINIMUM INSIDE CLEAR DIMENSIONS OF 13.5" WIDE BY 10.5" HIGH BY 20.5" DEEP.
- CABINET DRAWERS ARE TO OPEN ON SECTION, U.N.O. ON ELEVATION(S).
- FOR FIELD APPLIED MIRRORS, EXTRACT MIRRORS FROM THE TOP OF COUNTERTOP SPLASH TO 6'-0" A.F.F. U.N.O.
- PROVIDE BOTTOM CLOSURE FOR FILLER PANELS AT TOE SPACES AND AT BOTTOM OF UPPER WALL CABINETS TO CLOSE OFF AND SEAL TIGHT ALL CONCEALED OPENINGS.
- ALL MILLWORK/CASEWORK TO BE PL-1 U.N.O.

CABINET HARDWARE:

DOOR HINGES TO BE BLUM 71T5580 CHROMED, CONCEALED, SELF-CLOSING. DRAWER SLIDES TO BE HEAVY DUTY ACCURIDE HAFLE #4034. DRAWER PULLS TO BE MOCKETT DP55A STAINLESS STEEL OR APPROVED EQUALS. MILLWORK REVEALS: PITCON, VENEER CHANNEL, VPR75-38/38

ALL RECEPTION/WAITING MILLWORK TO BE PREMIUM GRADE

ALL EXAM ROOM MILLWORK AND P-LAM CASEWORK TO PER AWI STANDARDS.

ALL CABINET/FILES TO BE LOCKABLE

INTERIOR ELEVATION NOTES

- GENERAL CONTRACTOR TO COORDINATE EQUIPMENT OUTLINED IN "EQUIPMENT LEGEND" WITH OWNER & OWNER'S MEDICAL EQUIPMENT REPRESENTATIVE. THIS INCLUDES VERTICAL AND HORIZONTAL MOUNTING HEIGHTS OF ALL DEVICES, COORDINATION WITH ARCHITECTURE, MECHANICAL, ELECTRICAL AND PLUMBING. THE ARCHITECT SHALL RECEIVE SHOP DRAWINGS FOR EQUIPMENT. THE SELECTION OF EQUIPMENT AND SPECIFIC MODEL NUMBERS REVIEWED BY DESIGN TEAM/ENGINEERS PRIOR TO PROCEEDING WITH SCOPE OF WORK.
- ELECTRICAL OUTLETS ARE ONLY SHOWN FOR COORDINATION WITH EQUIPMENT. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION..
- LOW VOLTAGE BY OWNER'S REPRESENTATIVE.
- FURNITURE SHOWN IS TO BE PROVIDED BY OWNER U.N.O. GENERAL CONTRACTOR TO COORDINATE WITH OWNER ON DELIVERY SCHEDULE.

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

1177 STALLINGS STREET

COVINGTON, GEORGIA

PRINT RECORD

No. DATE DESCRIPTION

1 09-23-2024 ISSUED FOR PRICING

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Sheet Title

ENLARGED FINISH
PLANS &
ELEVATIONS

Sheet No.

ID-2.51

NOT RELEASED FOR CONSTRUCTION

ALPHA BLDG SET 10-06-2025

TOILET ACCESSORY SCHEDULE			
TAG NO.	DESCRIPTION	MANUFACTURER	MODEL
TA-A-01	1-1/2" DIA. 36 x 42 ADA GRAB BARS	BOBRICK	B-6806x36; B-6806x42
TA-B-01	WALL MOUNTED SOAP DISPENSER	BOBRICK	B-2111
TA-D-01	24" x 36" WELDED FRAME MIRROR	BOBRICK	B-290 2436
TA-E-02	TOILET PAPER DISPENSER	BOBRICK	B-2840
TA-G-01	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-2621
TA-G-02	FOOT - OPERATED WASTE RECEPACLE	BOBRICK	B-221216

NOTE: ALL TOILET ACCESSORIES WILL BE CF/CI

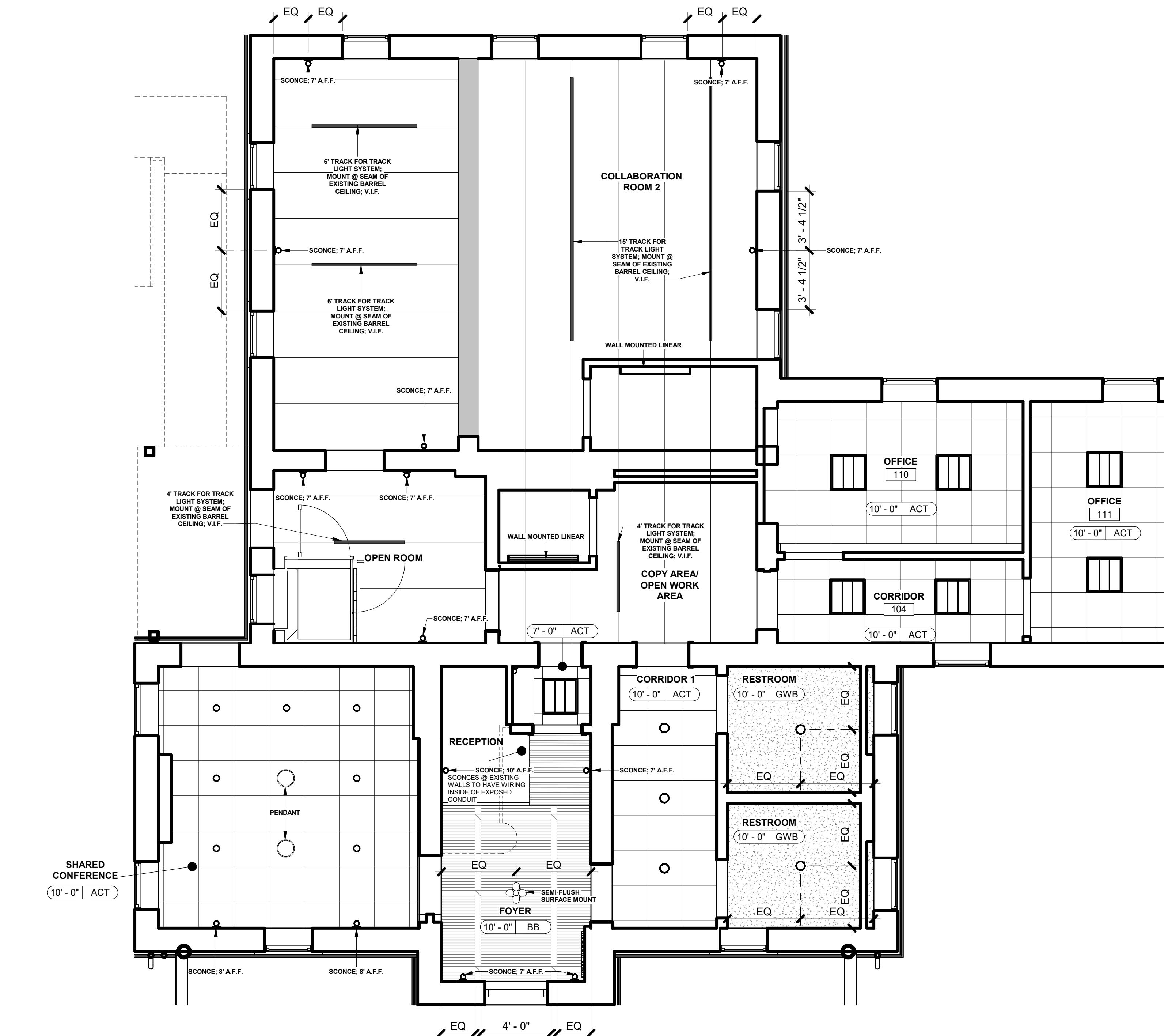
RCP GENERAL NOTES

- CONSTRUCTION PROFESSIONAL SHALL VERIFY ALL FIXTURE LOCATIONS. ANY CONFLICT WITH FIELD CONDITIONS, DRAWINGS AND/OR OTHER TRADES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY UPON DISCOVERY FOR CLARIFICATION PRIOR TO PROCEEDING WITH ASSOCIATED WORK.
- PROVIDE AND INSTALL CEILING TILE, MAIN TEES, CROSS TEES, WALL MOULDINGS AND OTHER ACCESSORIES NECESSARY TO COMPLETE THE SCOPE OF WORK.
- ALL ADJACENT LIGHT SWITCHES SHALL BE GANGED WITH A SINGLE FACE PLATE.
- UNLESS APPROVED BY THE ARCHITECT, ALL THERMOSTATS SHALL BE LOCATED DIRECTLY ADJACENT TO THE LIGHT SWITCH IN THE ROOM IN WHICH IT OCCURS.
- CENTER ALL SPRINKLER HEADS IN CEILING TILES WHERE POSSIBLE. ALL SPRINKLER HEADS IN GYPSUM BOARD TO BE RECESSED & CONCEALED.
- CENTER ALL LIGHT FIXTURES IN SPACE, U.N.O. ALL RECESSED LIGHT FIXTURES SHALL BE CENTERED IN CEILING TILES WHERE POSSIBLE, U.N.O.
- CONSTRUCTION PROFESSIONAL WILL ENSURE THAT LENSES IN LIGHTING FIXTURES ARE CLEAN AND FREE OF DUST, DIRT AND SMUDGES. PLASTIC AND LABELS SHALL BE REMOVED FROM ALL LIGHT FIXTURES AT PROJECT COMPLETION.
- NO SUBSTITUTES WILL BE ACCEPTED FOR ANY LIGHT FIXTURES UNLESS APPROVED BY ARCHITECT IN WRITING.
- ALL EXPOSED CEILINGS PAINTED WITH DRYFALL, U.N.O.

LIGHT FIXTURE LEGEND

	TRACK LIGHT		SUPPLY
	4" SEMI-FLUSH SURFACE MOUNT DIRECTIONAL SPOT LIGHT		
	PENDANT LIGHT		RETURN
	SCONCE		
	SEMI-FLUSH SURFACE MOUNT DECORATIVE LIGHT FIXTURE		EXIT SIGNAGE (SHADING INDICATES FACE OF SIGN; ARROW SHOWN INDICATES DIRECTION)
	6" RECESSED CAN		
	LINEAR SCONCE		ACCESS PANEL
	24" x 24" TROFFER LIGHT		
	CEILING TAG		GYPSUM BOARD CEILING
	LAY-IN CEILING GRID		

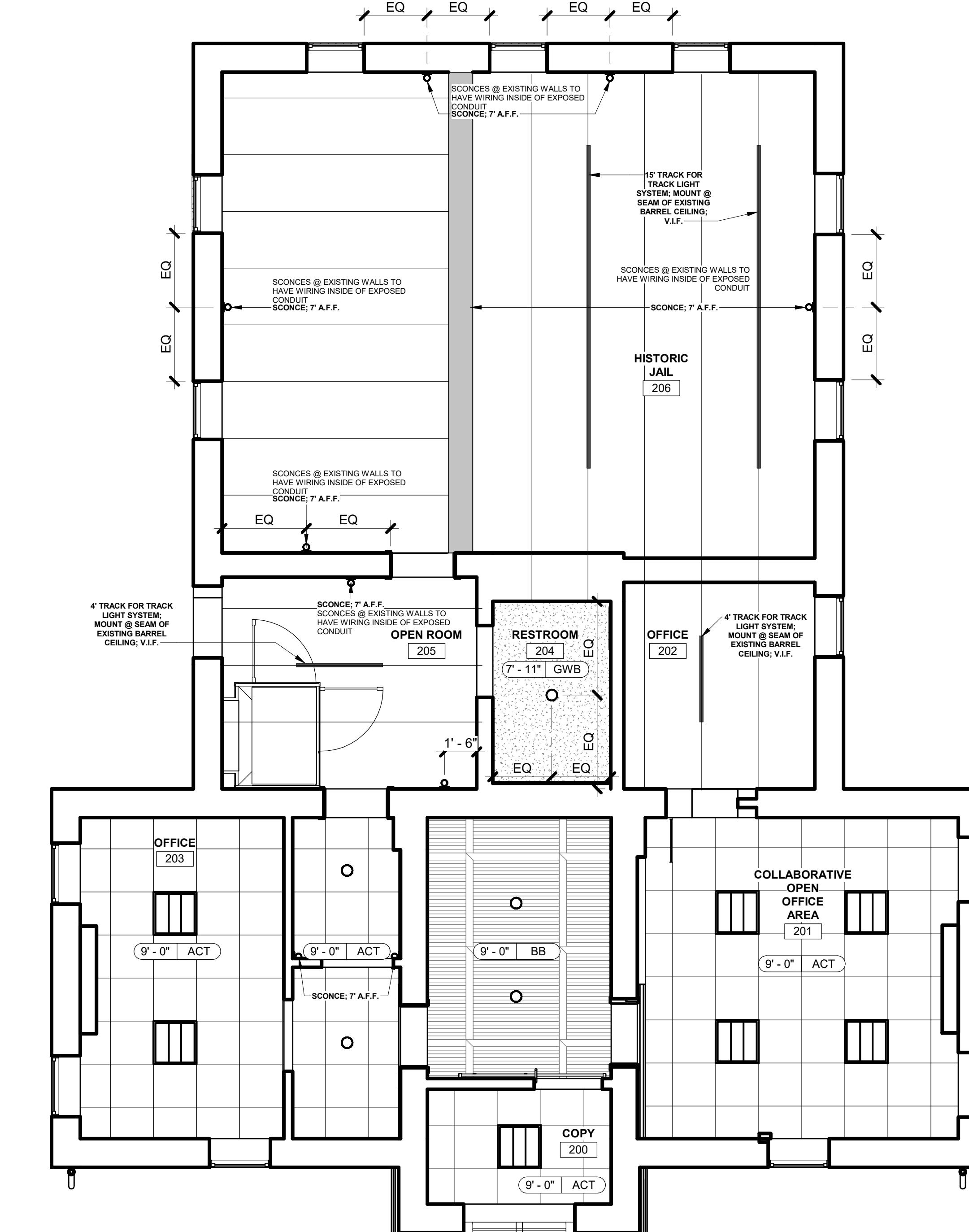
RCP LEGEND



REFLECTED CEILING FINISH PLAN -
LEVEL 1

1

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



REFLECTED CEILING FINISH PLAN -
LEVEL 2

2

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

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

1177 STALLINGS STREET
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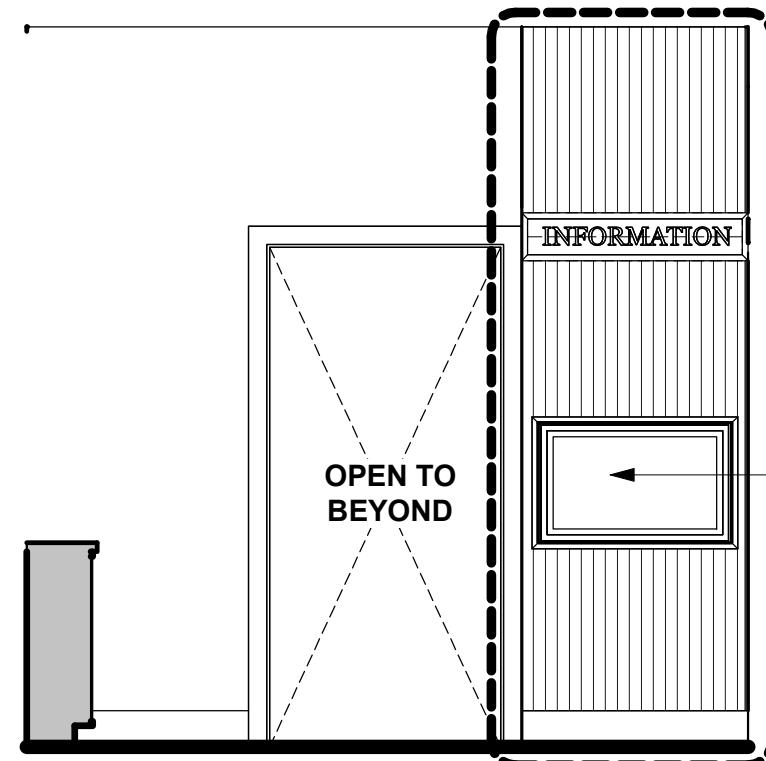
Drawn By
BNC
Date
05-16-2025

Checked By
Checker
Job No.
24004

Sheet Title
REFLECTED CEILING
FINISH PLANS

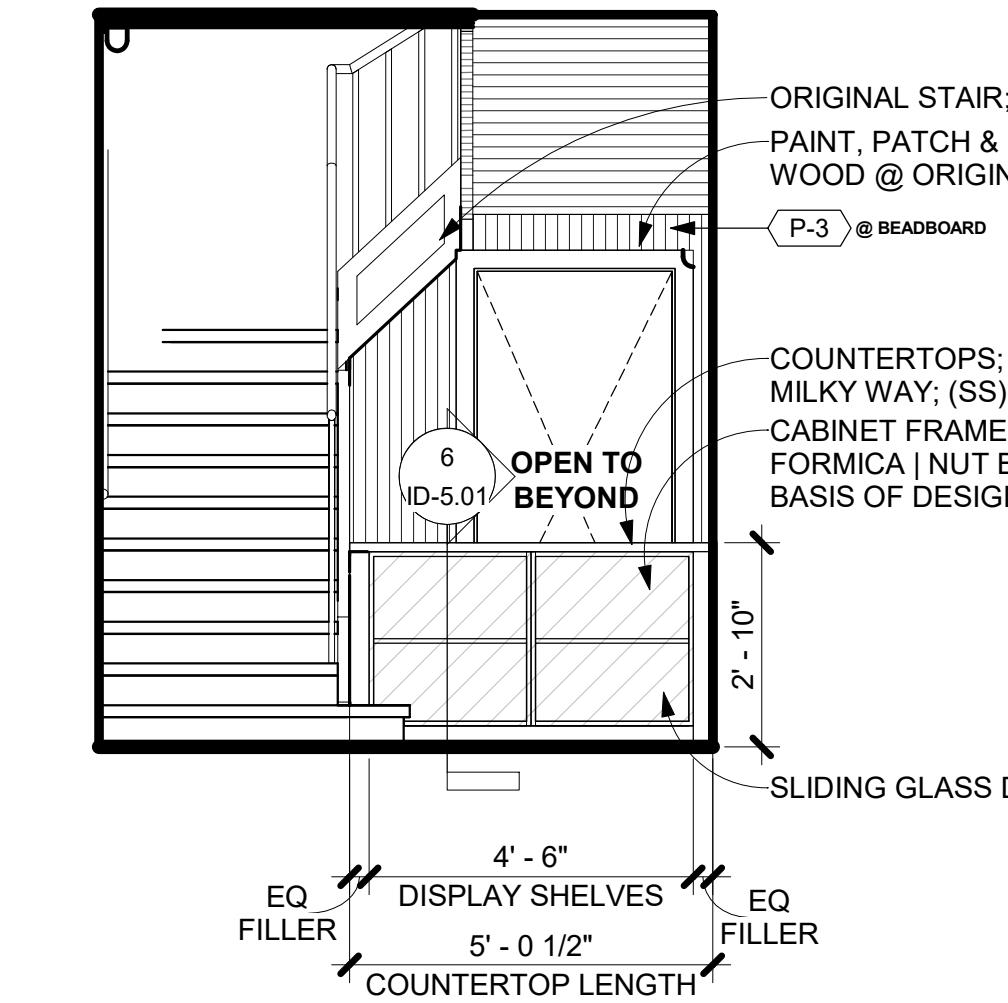
Sheet No.
ID-3.01

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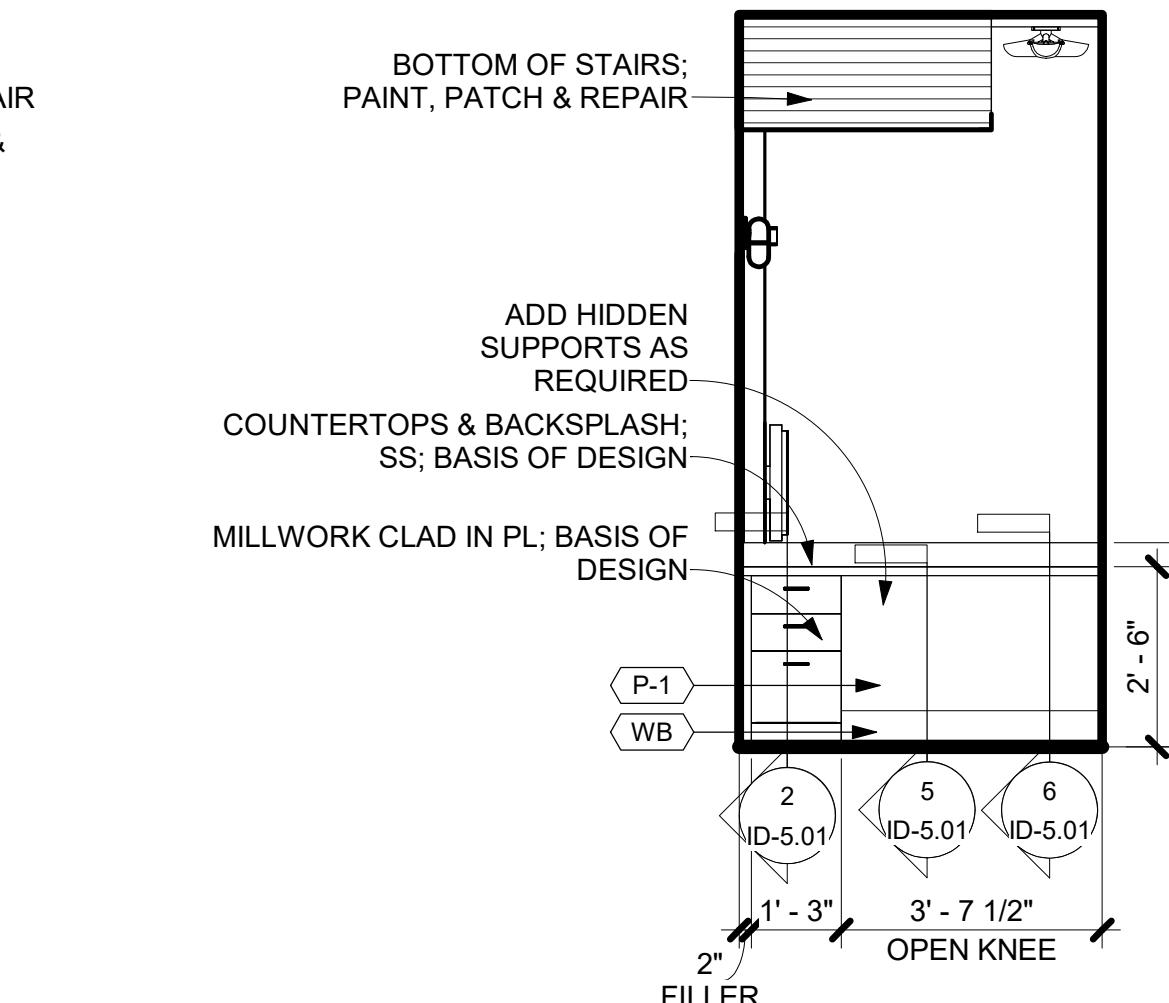
1 FOYER - E. WALL

SCALE: 3/8" = 1'-0"



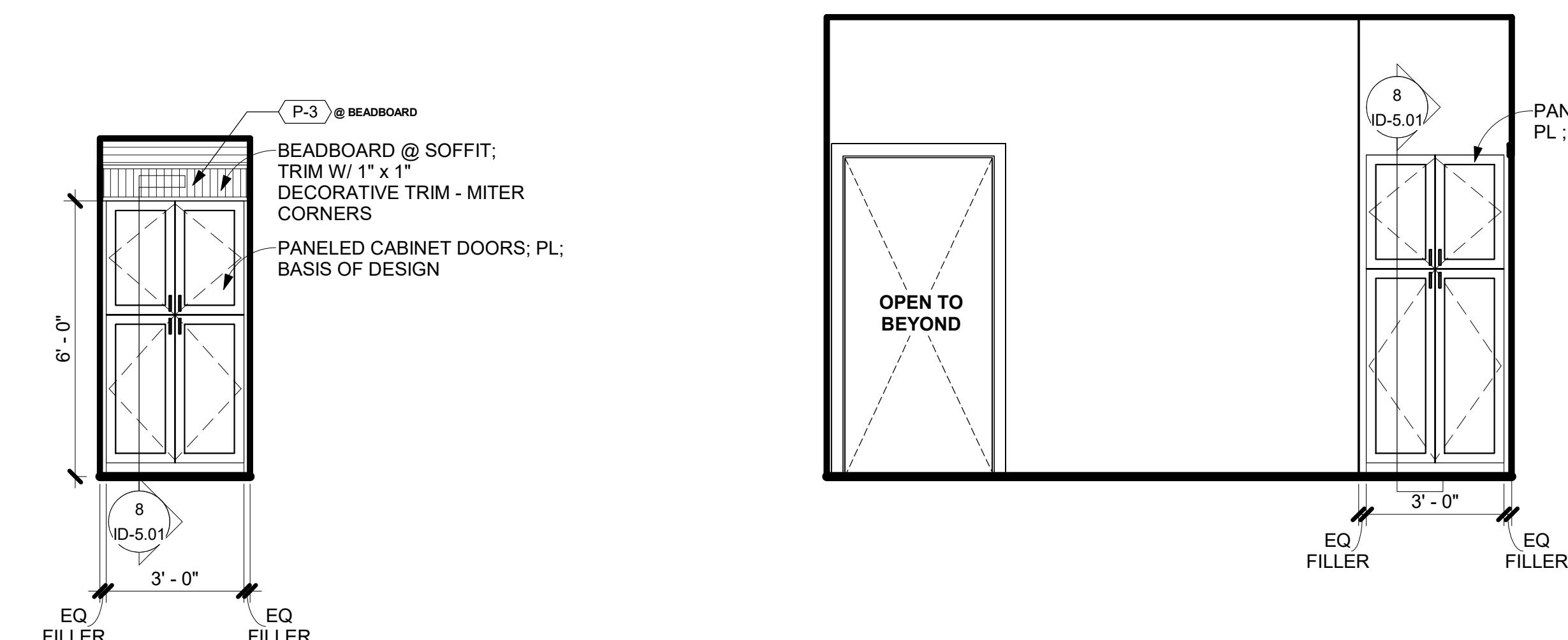
2 RECEPTION - N. WALL

SCALE: 3/8" = 1'-0"



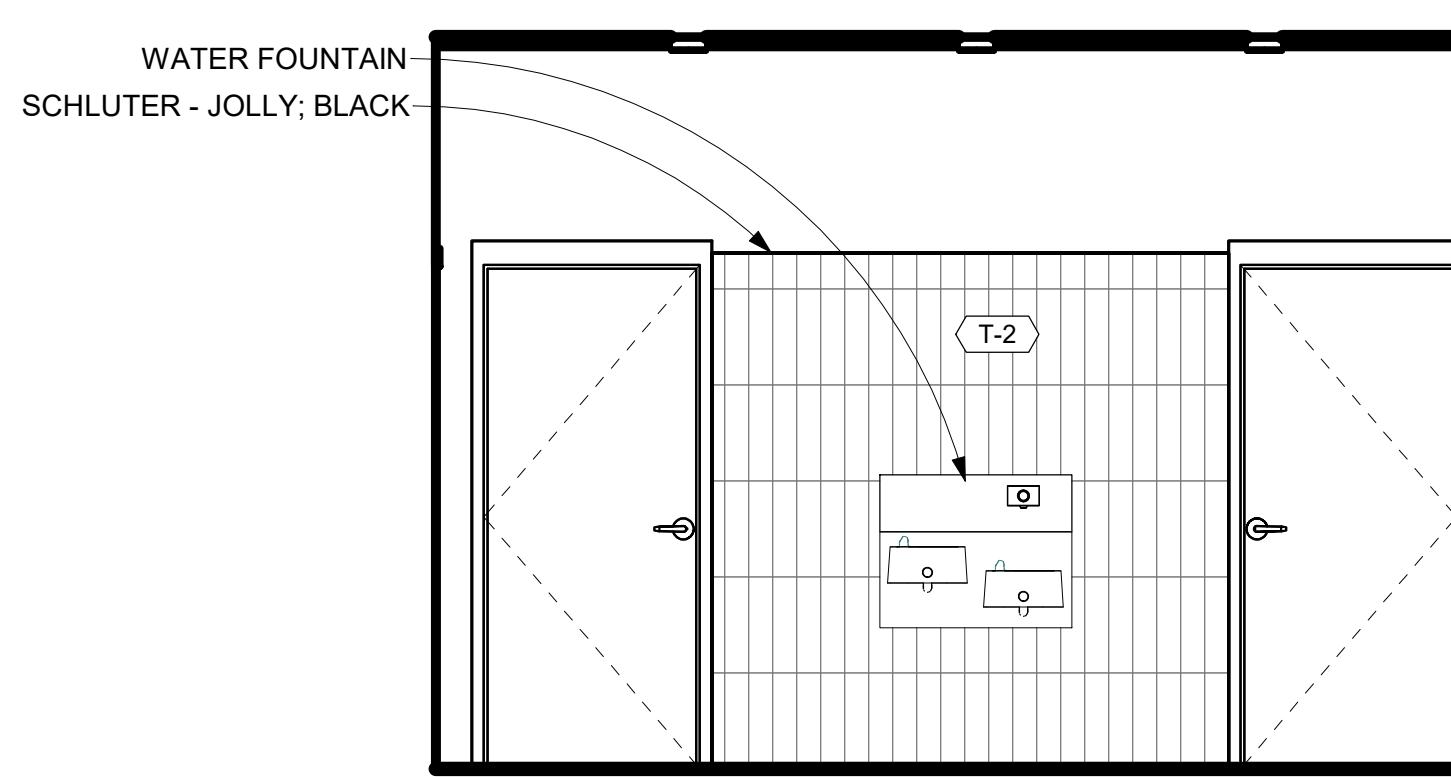
3 RECEPTION - S. WALL

SCALE: 3/8" = 1'-0"



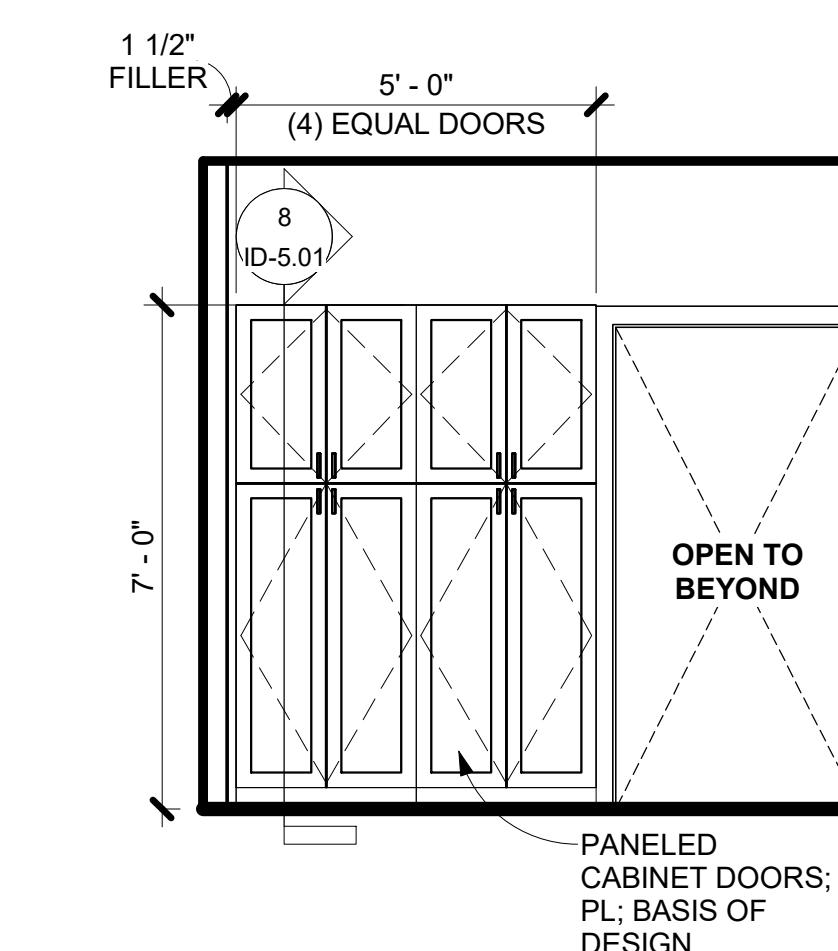
4 RECEPTION - E. WALL

SCALE: 3/8" = 1'-0"



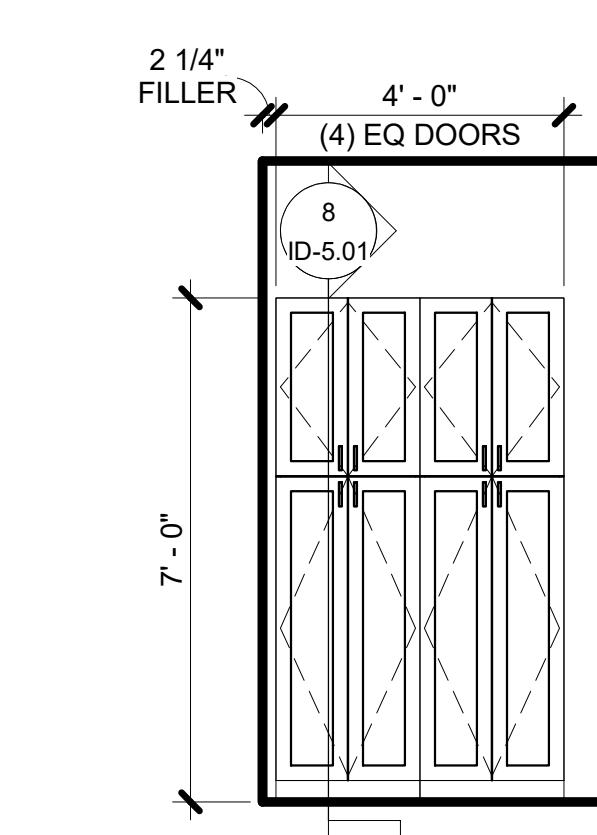
6 CORRIDOR 1 - W. WALL

SCALE: 3/8" = 1'-0"



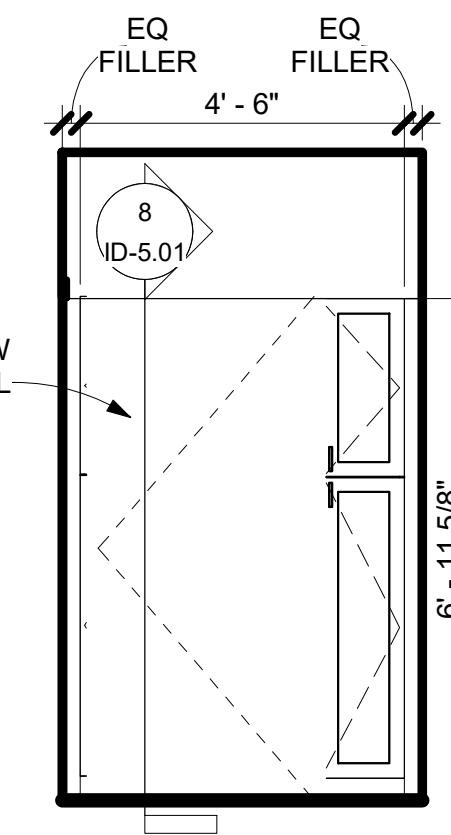
8 OPEN ROOM - E. WALL

SCALE: 3/8" = 1'-0"



9 CORRIDOR 2 - W. WALL

SCALE: 3/8" = 1'-0"



10 CORRIDOR - SOUTH

SCALE: 3/8" = 1'-0"

LEVEL 2 ELEVATION:

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

1177 STALLINGS STREET

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05-16-2025 24004

Sheet Title

INTERIOR ELEVATIONS

Sheet No.

ID-4.01

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ALPHA BLDG SET 10-06-2025

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05-16-2025

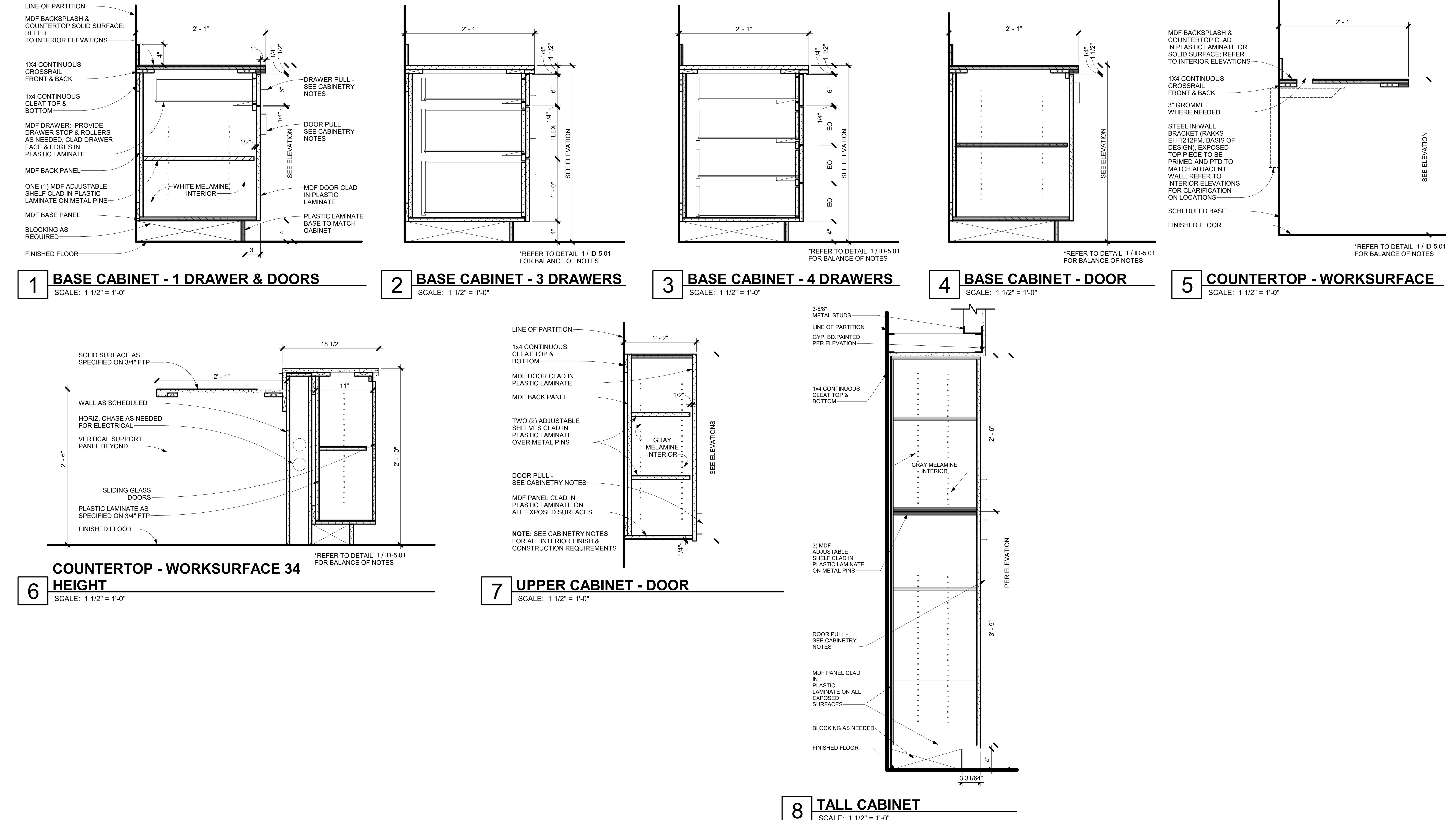
Checked By
Checker
Job No.
24004

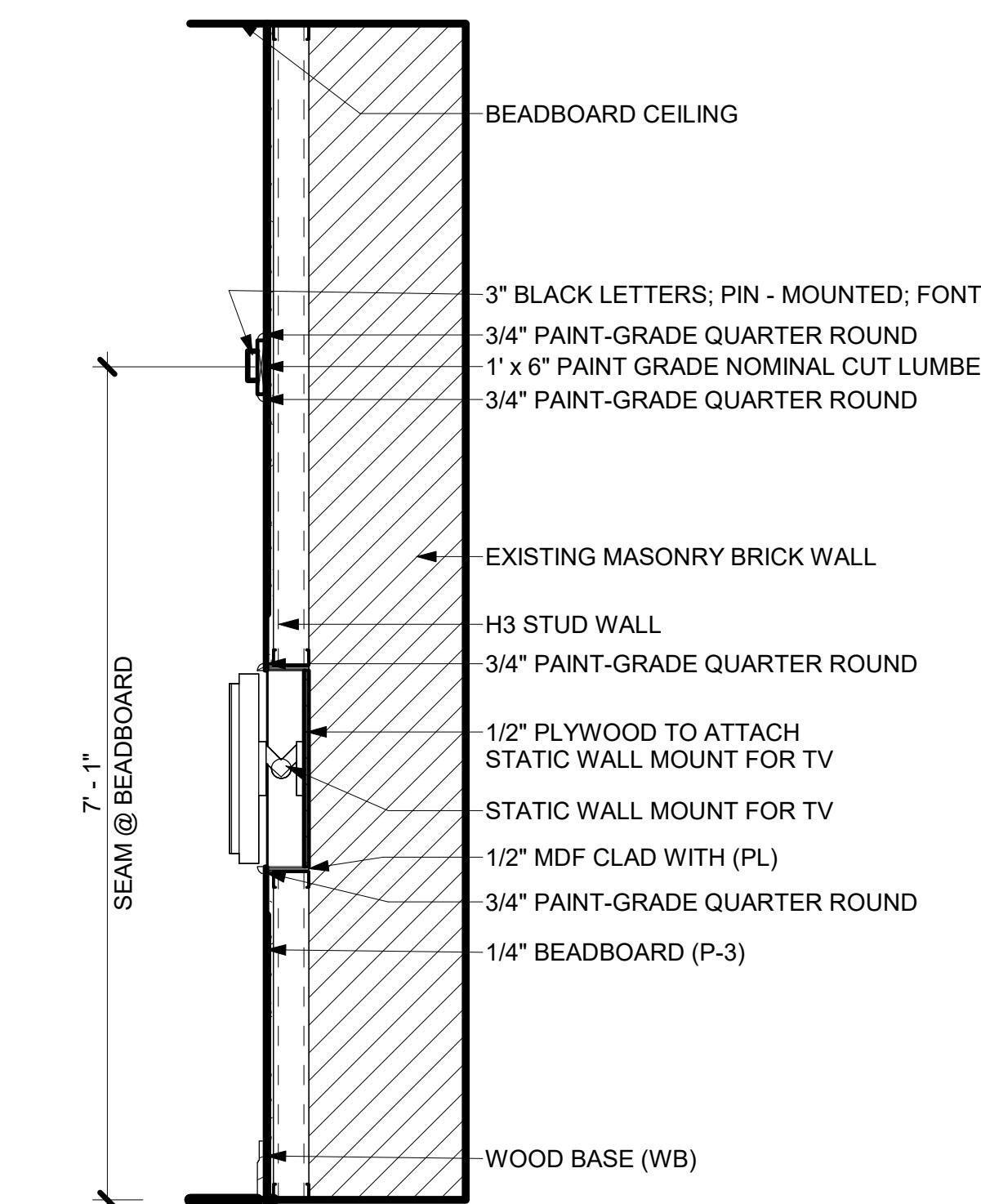
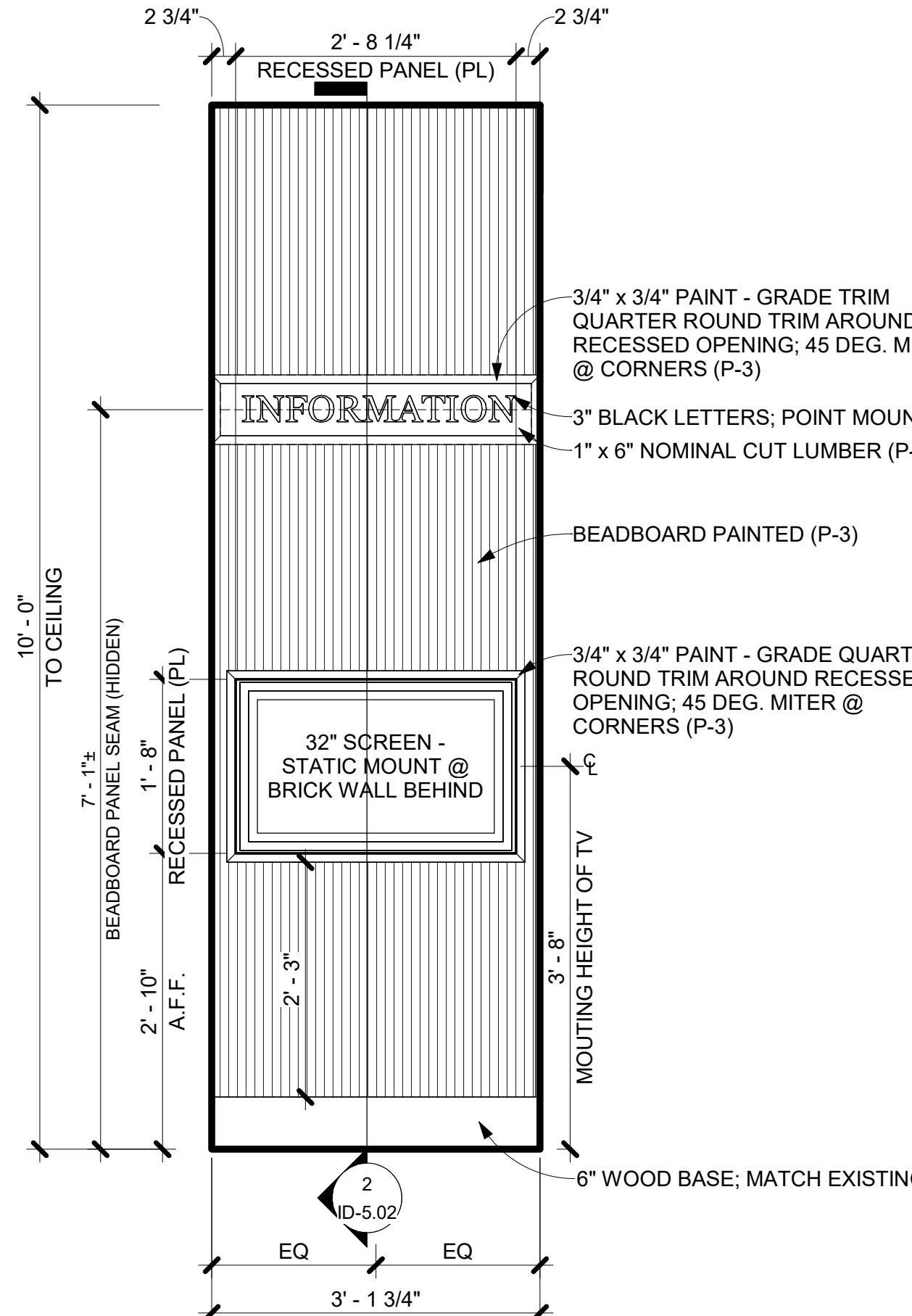
Sheet Title
INTERIOR SECTIONS
& DETAILS

Sheet No.

ID-5.01

NOT RELEASED FOR CONSTRUCTION





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24004

Sheet Title
INTERIOR SECTIONS
& DETAILS

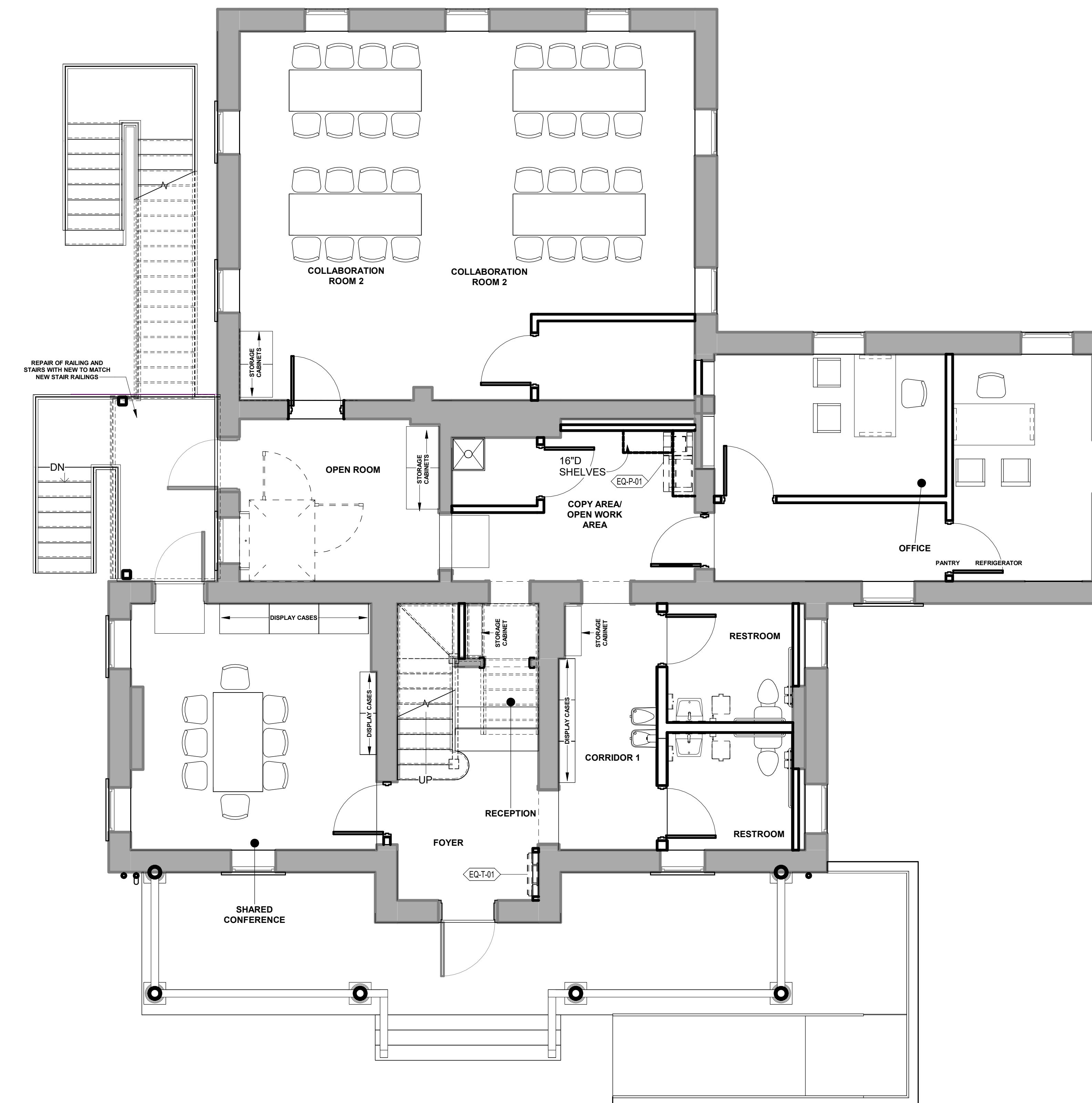
Sheet No.

ALPHA BLDG SET 10-06-2025

ID-5.02

SPECIALTY EQUIPMENT (S-)				
TAG NO.	DESCRIPTION	FURNISHED BY		NOTES
		CONTRACTOR	OWNER	
EQ-P-01	PRINTER/ COPY MACHINE			
EQ-T-01	32" DIGITAL DISPLAY			▲ GCT TO COORDINATE ELECTRICAL/DATA, HEIGHT PER ELEVATIONS

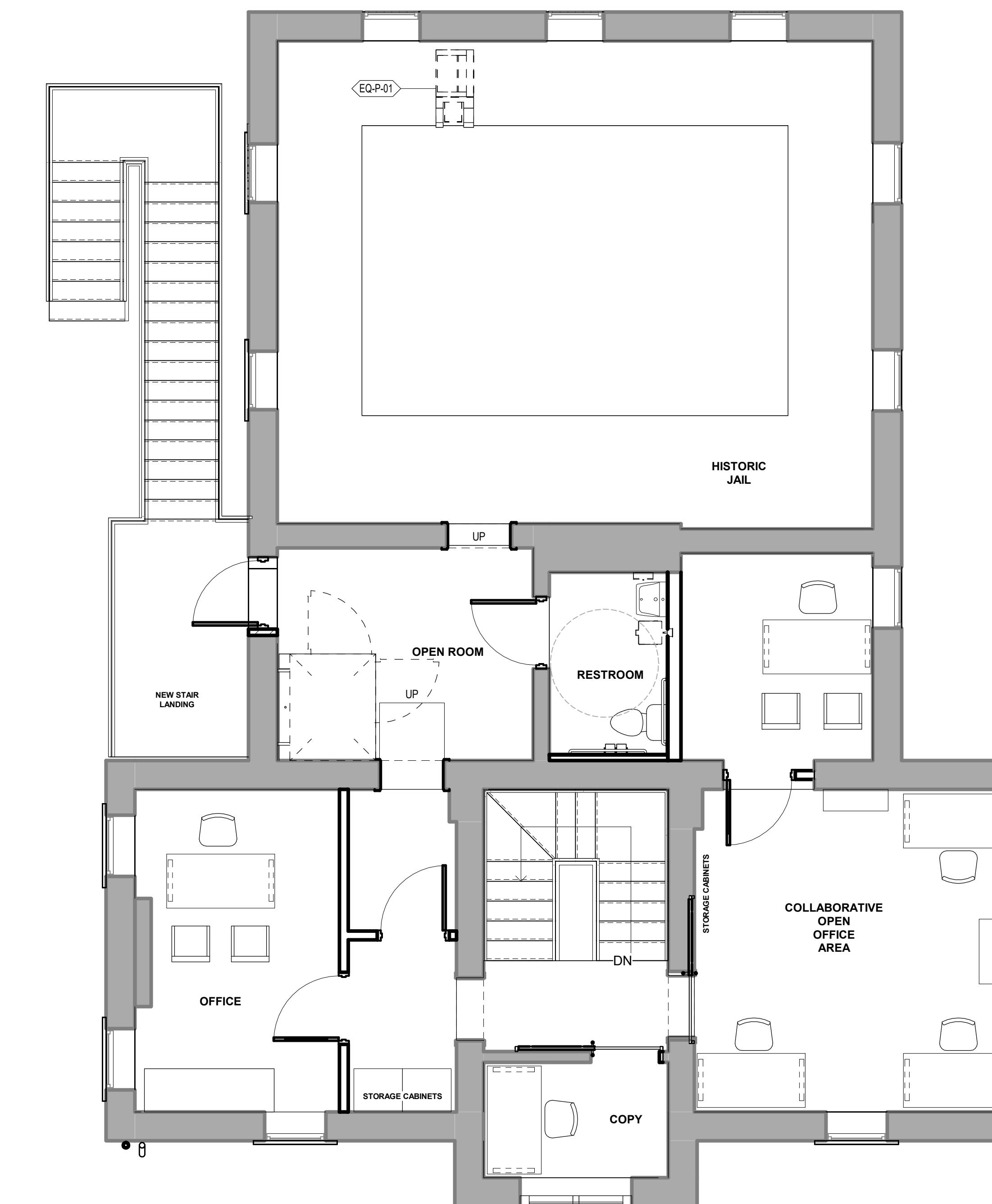
ALPHA BLDG SET 10-06-2025



1 FURNITURE /EQUIPMENT PLAN - LEVEL 1

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

*NOTE: FURNITURE NOT IN SCOPE. FURNITURE SHOWN FOR REFERENCE ONLY.



2 FURNITURE /EQUIPMENT PLAN - LEVEL 2

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

*NOTE: FURNITURE NOT IN SCOPE. FURNITURE SHOWN FOR REFERENCE ONLY.

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

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Sheet Title
FURNITURE &
EQUIPMENT PLANS

Sheet No.

ID-6.01

NOT RELEASED FOR CONSTRUCTION

MECHANICAL SPECIFICATIONS

- 1) Provide all heating, ventilation and air conditioning items indicated on the drawings, described in this specification or required for a complete and proper installation.
- 2) Comply with all pertinent codes, ordinances and regulations. Refer to website for Dept. of Community Affairs for current Codes Editions.
- 3) The contractor shall not attempt to precisely scale dimensions from these drawings to obtain construction dimensions and clearances. The contractor shall verify all actual dimensions and clearances. Although these plans are diagrammatic in nature, they shall be followed as closely as site conditions, new construction, and work by other trades shall permit. Deviations from these drawings, which are required to conform to the available space or the actual building construction, shall be made at no additional cost to the owner.

- 4) Furnish without extra charge, any additional material and labor required to comply with the above codes and standards, even though the work may not be described in the contract documents. Where the requirements of the contract documents exceed the requirements of the above codes and standards, the contract documents shall take precedence.

- 5) All equipment and material shall be new and of first quality. Equipment and material shall be the same or equal to the basis of design listed on these drawings and shall be UL listed.

- 6) Cooperate and coordinate with other trades in order that all systems in the work may be installed in the best arrangement.

- 7) Examine the areas and conditions under which work of this section will be installed. Correct conditions detrimental to the proper and timely completion of the work. Notify Architect of any discrepancies. Do not proceed until unsatisfactory conditions have been corrected.

- 8) Avoid interference with structure, and with work of other trades. Install all equipment per manufacturer's instructions. Install accessible parts, including equipment, coils, valves, dampers, controls, and filters with adequate clearance for inspection, adjustments, repair and replacement.

- 9) All other materials not specifically described but required for a complete and proper installation shall be as selected by the contractor subject to acceptance by the Engineer.

- 10) All ductwork shall be fabricated from galvanized sheet metal duct and conform to SMACNA "HVAC Duct Construction Standards-Metal and Flexible". Seal all joints in ductwork with mastic sealant.

- 11) Flexible duct: Flex master; Alco UPC36(R-6.0); Alco UPC31(R-8) or Thermoflex, Type 3, insulated. 5"-0" Maximum length unless noted otherwise. Class 1 rating with R-value of 6.0 when located inside building insulation envelope and R-8 when located outside building insulation envelope. Install with no more than 135 degrees maximum total bend per 12" maximum individual bend shall not exceed 45 degrees each. Support at five feet on centers with hangers having at least 2-inches of width at duct center point. Flexible connectors shall not pass through any wall floor or ceiling where rated or not. Provide 36-inches of metal duct of penetration of duct stops, fire walls and smoke walls.

- 12) Duct Liner: Owens Corning Aeroflex Plus, or equivalent. Incombustible glass fiber complying with ASTM C 21. Apparent Thermal Conductivity: Maximum of 0.31 at 75 degrees F. Service Temperature: 250 degrees F. Density: 1.5 pounds/cubic foot. Install using adhesive (50% coverage) and galvanized steel fasteners with head thickness: 1-inch.

- 13) Condensate drain piping shall be ASTM D2665 PVC with solvent welded fittings. Drain piping shall be no smaller than the drain connection size on equipment. Slope of 1/8 inch per foot continuously toward drains. All indoor condensate drain piping shall be insulated with preformed flexible plastic cellular foam. All outdoor condensate drain piping shall be primed and pointed with a coating system recommended by the piping manufacturer for protection against deterioration from weather and UV-light exposure. All piping shall be adequately supported to maintain proper slope and avoid sagging.

- 14) Refrigerant piping shall conform to manufacturer's recommendations and installation instructions. Refrigerant piping shall be ASTM B290 Type ACR or ASTM B88 Type L drawn copper tubing with wrought copper fittings. Insulate suction line with $\frac{1}{2}$ " thick flexible foamed plastic cellular foam (Armaflex or equivalent). All piping shall be insulated with mineral wool insulation. Insulation thickness shall be determined by the insulation thickness required to be installed in accordance with ASHRAE standard 15-2022 section 5.12 and shall be tested in accordance with ASHRAE standard 15-2022 section 9.13. Contractor shall issue a letter to design team stating that refrigerant pipes have been installed and tested under the referenced sections. Contractor shall refer to ASHRAE standard 15-2022 sections 9.10 and 9.11 for additional information regarding refrigerant piping. Penetration of refrigerant pipes shall be protected with a through penetration protection means. The through penetration protection shall be the same or higher rating than the assembly.

- 15) Thermostats: Provide 24 volt, programmable 24-hour, 7-day thermostat to control heating stages in sequence with delay between stages and supply fan to maintain temperature setting. For Heat Pumps include system selection switch heat-off-cool and fan control switch (start-on), emergency heat switch (auxiliary/emergency heat indicator lights).

- 16) Provide fire and smoke rated flexible connections between fans and ducts. Material shall comply with NFPA 90A requirements for material in supply air stream.

- 17) Install all equipment in accordance with manufacturer's instructions and recommendations including clearances recommended for proper operation or service. All filters and serviceable parts shall be readily accessible.

- 18) Indoor duct insulation: Foil-faced fiberglass, Owens Corning type 75 or equal, 2.27 lbs/ft² (lb/sq ft), unless the insulated duct is outside building insulation envelope (attic, crawlspace, or roof). Minimum insulation thickness shall be 39 thickness (R-8). Duct shall have a linear spread rating of not more than 25 and smoke developed rating of not more than 50. Glass-Fiber insulation: All service duct wraps with foil scrim and having bonding and a k-value of 0.30 at 75° F mean temperature and an average maximum density of 0.75 lb/cu. ft.

- 19) All supply, return and outside air ducts shall be insulated. Install acoustical duct liner on the interior surface of the first five (5) linear feet of supply duct downstream and the last five (5) linear feet of return duct upstream of all air handlers and rooftop units. Insulate the concealed tops of all ceiling mounted supply air diffusers with foil-faced fiberglass, 1.59/lbs/cu. foot density, 27 thick. Seal edges to ceiling grid with foil faced tape to provide vapor tight seal.

- 20) All low-pressure duct branches shall contain manual balancing dampers. Manual balancing dampers shall also be installed in the continuation of the main, if the main duct is smaller or the same size as the branch duct, or if the continuation of the main serves only one device.

- 21) Make all duct elbows right angle type with single thickness turning vanes or construct with centerline radius 1-1/2 times the duct width.

- 22) Duct sizes shown on plans are clear, interior dimensions. Duct sizes shown shall be enlarge to allow for liner at locations of interior liner.

- 23) Do not cut in or reduce the size of any structural member without the permission of the Architect.

- 24) Provide weather-proof flashing at all duct and pipe penetrations through the building walls and roof. As a minimum, flashings shall be designed and installed in accordance with SMACNA standards. Flashings shall be guaranteed weatherproof.

- 25) Support of HVAC units, ductwork, piping and other appurtenances from structure, provide vibration isolation at all fans which are not internally isolated. Provide hanger rod with built in rubber-in-sheath isolator. Between drain pan and unit provide 4 each rubber-in-sheath isolator. Do not attach vibration isolator to drain pan. Do not screw or drive fasteners into non-structural components such as roof decks or non-load bearing walls.

- 26) Thoroughly clean all components and remove all dirt, scale, oil, and other foreign substances. Provide clean air filters for all equipment.

- 27) Perform all tests necessary to demonstrate the integrity of the complete installation to the approval of the Engineer and all other authorities having jurisdiction. Make all adjustments necessary and balance the completed system in accordance with the data shown. Balance the systems in accordance with NEBB or AABC standards. Acceptable tolerances shall be minus ten percent to plus five percent of all measurements. Balancing shall be done by an independent licensed (by NEBB or AABC) TAB contractor. Make the following tests as submitted to the Architect:

- a) Airflow: Supply, return and exhaust air flow and static pressure for each supply and exhaust fan. Test exhaust fans with room doors closed.

- b) Total airflow rate and total static pressure for each supply and exhaust fan.

- c) Motor speed, for multiple speed fans (e.g. high, medium, low).

- d) For direct drive fans, provide speed settings and actual rpm, including ECM motor driven fans

- e) Provide fan and motor rpm for belt driven fans. Provide sheave sizes.

- f) Outside airflow rate to each HVAC unit and supply fan.

- g) Motor current (and compare with nameplate data) at all motors.

- h) Entering and leaving air dry-bulb and wet-bulb conditions at all cooling coils.

- i) Heat output capacity for unit heaters, heating devices and coils (kW or MBH).

- j) Manufacturer, model and serial number for each piece of HVAC equipment scheduled on drawings.

- k) Calibrate thermostats to be within one degree of actual temperature of thermostat.

- l) Verify that all HVAC devices operate as scheduled or indicated (i.e. ON-OFF, 2-stage, variable output (SCR heaters), etc.).

- 28) The entire system shall be warranted for a period of one (1) year beginning with Owner's acceptance of the work. Compressors shall include a minimum of five (5) year parts warranty from the manufacturer. All labor and materials necessary to repair or replace the system or portions thereof, during that time shall be warranted for a period of one (1) year from the repair or replacement.

- 29) SUBMITTALS AND SUBMITTAL PROCEDURES:

- a. Contractor shall review and submit all submittals and data check, for the purpose of compliance with safety requirements, verification of dimensions, contract documents and methods and means prior to submitting to design professional. Contractor shall indicate approval by indicating such on the submittal.

- b. Transmit each submittal electronically in PDF format.

- c. Sequentially number submittals and transmittal form. Revise submittals with original number and a sequential alphabetic suffix. File names shall describe item included in file.

- d. Identify Project, the Contractor, Subcontractor or supplier per pertinent drawing and detail number, and specification section number, as appropriate on each copy. Each file shall include index of items included in file.

- e. Apply the Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information in accordance with the requirements of the Work and Contract Documents.

- f. Submittals for all items to be submitted at one time. Submittals shall be divided into groups with file sizes not exceeding 6 MB. If there is unavailable data such as large submittals, they shall be submitted later if not doing so would delay project progress. Data shall include capacities, complete installation instructions, dimensional data and electrical data, BHP, motor HP, operating weights and load distribution of mounting points.

- g. Deliver submittals electronically to the Design Professional.

- h. Schedule submittals to expedite the Project, and coordinate submittal of related items.

- i. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.

- j. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work.

- k. Provide space for the Contractor and the Architect/ review stamps.

- l. When revised for resubmission, identify all changes made since previous submission.

- m. Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.

- n. Submittals not requested will not be recognized or processed.

- o. Provide file containing only related items (such as piping, equipment, air distribution, etc.).

- 30) Instruct Owner's representative in the operation of the systems, using the operation and maintenance manual as a teaching aid.

- 31) Provide an operation and maintenance manual. As a minimum, the manual shall contain:

- a. A complete list of all equipment and appurtenances with equipment designations (per Drawings), manufacturers, and catalog numbers.

- b. Copies of manufacturers' brochures and instructions for operation and maintenance of all mechanical equipment, including replacement parts lists.

- c. Typed system operation and maintenance instructions, including inspection, lubrication, and service instructions and schedules.

- d. List of names, addresses and phone numbers of distributors of all equipment and appurtenances.

- e. Manufacturers' warranties.

- 32) Horizontal Air Handler unit: Indoor fan coil unit shall be direct-expansion horizontal heat pump or handler with electric strip heat suspended from structure with auxiliary

- 33) Air Source Heat Pumps (HP): outdoor-mounted, air-cooled split system outdoor section suitable for rooftop installation, consisting of a hermetic compressor, an air-cooled coil, propeller-type blow-thru outdoor fans, accumulator, full refrigerant charge, and control box. Unit shall function as the outdoor component of an air-to-air cooling system and used in a refrigeration circuit matched to the indoor unit. Unit construction shall comply with ANSI/ASHRAE 15, latest revision, the NEC, and UL standards. Refer to Schedule on Drawings for additional specification.

- 34) Provide a dust/sand detector on the supply duct of each air handling unit or rooftop unit with design airflow exceeding 2,000 CFM, and where smaller air handling units have common return ductwork, or plenum and total air flow exceeds 2,000 CFM. Duct unit detector in accordance with the International Mechanical Code section 606 Smoke Detection Control System with Georgia Amendments 2018. Detectors shall be provided by the electrical/fire alarm subcontractor and shall be installed by the mechanical subcontractor. For other fans, such as exhaust fans with design airflow exceeding 2,000 CFM, coordinate with the electrical/fire alarm subcontractor to provide room or duct smoke detectors. Where no fire alarm system is installed in building provide smoke detector, audio visual annunciation and trouble indicator in an approved location. Duct smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble. Provide contacts to automatically shut down air duct fan motors when smoke is detected, to indicate detector status to the fire alarm system, and to require a manual reset of the shut-down relay.

- 35) Grilles, Registers and Diffusers: Refer to schedules.

- 36) Basic motor requirements: basic requirements apply to mechanical equipment motors, unless otherwise indicated. Motors 1/2 hp and larger: Polyphase, unless otherwise scheduled. Motors smaller than 1/2 hp: single phase. Frequency rating: 60 Hz. Service factor: according to NEMA MG 1, general purpose continuous duty, design type "B." Enclosure: open drip-proof unless otherwise indicated. Enclosed motors shall have a higher efficiency rating than industry standard overhang motor as delineated in IEEE Standard 1100, section 13. Thermal protection: If not indicated, thermal protection automatically opens power supply circuit to motor when winding temperature exceeds a safe value calibrated to temperature rating of motor insulation. Thermal protection device automatically resets when motor temperature returns to normal range, unless otherwise indicated.

- 37) Hangers and supports: Building attachments: concrete blocks or angle-steel fasteners appropriate for building materials, and beam clamps. Hanger materials: galvanized, sheet steel, or round threaded rods. Hanger blocks: include to resist atmospheric electroplating, all-thread rod or galvanized rods with threads painted after installation. Straps and rod sizes: comply with SMACNA's "HVAC Duct Construction Standards—Metal and Flexible" for sheet metal width and thickness and for steel rod diameters. Duct attachments: sheet metal screws, blind rivets, or self-tapping metal screws; compatible with duct materials. Trapze and riser support galvanized steel plates and sheet shapes complying with ASTM A 36/A 36M.

- 38) BI-POLAR IONIZATION DESIGN & PERFORMANCE CRITERIA:

- The Bi-polar Ionization system shall be capable of effectively killing microorganisms downstream of the bi-polar ionization equipment (mold, bacteria, virus, etc.). Controlling gas phase contaminants generated from human occupants, building structure and furnishings. Capable of reducing static space charges. Increasing the interior ion levels, both positive and negative, to a minimum of 800 ions/cm³ measured 5 feet from the floor. Self-cleaning requiring no maintenance or replacement parts. Producing a minimum of 160M ions/cc. The bi-polar ionization system shall operate in a manner such that equal amounts of positive and negative ions are produced. Uni-polar ion devices shall not be acceptable.

- Velocity Profile: The air purification device shall not have maximum velocity profile.

- Humidity: Plasma Generators shall not require preheat protection when the relative humidity of the entering air exceeds 85%. Relative humidity from 0 - 100%, condensing, shall not cause damage, deterioration or dangerous conditions within the air purification system. Air purification system shall be capable of wash down duty.

- Equipment Requirements: Electrode Specifications (Bi-polar Ionization): Each Plasma Generator with Bi-polar Ionization output shall include the required number of electrodes and power generators or the handling equipment capacity. A minimum of one electrode per 2,400 CFM of air flow shall be provided. Bi-polar Ionization tubes mounted on glass and steel mesh shall be used to accommodate resistance to heat, ozone production and corrosion. Electrodes shall be energized when the unit is turned on and the fan is operating. Electrodes shall be made of carbon fiber and have a limited life of 1000 hours. Ionization tubes shall be provided with a sense of mechanical or pressure switch to cycle the electrodes only when the fan is operating shall not be acceptable due to high failure rates and pressure sensitivity. Electrode pair shall provide a minimum of 160 million ions per cubic centimeter as measured at 2 inches, both positive and negative ions, in equal quantities. Devices providing less than 160 million ions/cc per electrode pair shall not be acceptable. Each Plasma Generator shall be provided with a control system. Ionization systems requiring the use of a mechanical or pressure switch to cycle the electrodes only when the fan is operating shall not be acceptable due to high failure rates and pressure sensitivity. Electrode pair shall provide a minimum of 160 million ions per cubic centimeter as measured at 2 inches, both positive and negative ions, in equal quantities. Devices providing less than 160 million ions/cc per electrode pair shall not be acceptable. Each Plasma Generator shall be provided with an on/off switch, universal voltage input (24VAC to 240VAC or DC), magnets for mounting on the fan inlet, replaceable carbon fiber emitters and a programmable self-cleaning system.

- Air Handler & Plenum Mounted Units (non-ductless mini-split units): Where so indicated on the plans and/or schedules Plasma Generator(s) shall be supplied and installed. The mechanical contractor shall mount the Plasma Generator and wire it to the AHU control power (24VAC) as instructed by the Air Purification Manufacturer's instructions or line voltage subject to power available. Each unit shall be supplied with a modulating casing, self-cleaning system, self-cleaning test button, power status LED and dry contacts to provide ion output is operating properly. The dry contacts shall close to provide the ion generator is working properly and may be daisy chained in series such that only one dry contact per AHU is required to interface to the BMS or the optional DDC controller. Dry contacts proving power has been applied in lieu of the ion output is actually operating, are not acceptable. Manufacturers providing multiple ion modules that have alarm status wired in parallel, and not in series, shall not be acceptable.

- Ionization Requirements: Plasma Generators with Bi-polar Ionization output shall be capable of controlling gas phase contaminants and shall be provided for all equipment listed above.

- Bi-polar Ionization system shall consist of Bi-Polar Plasma Generator and integral power supply. The Bi-polar system shall be installed where indicated on the plans or specified to be installed. The device shall be capable of being powered by 24VAC to 240VAC without the use of an external transformer. Ionization systems requiring isolation transformers shall not be acceptable.

- Ionization Output: The ionization output shall be controlled such that an equal number of positive and negative ions are produced. Imbalanced levels shall not be acceptable.

- Ionization output from each electrode shall be a minimum of 160 million ions/cc when tested at 27 from the ionization generator.

- All manufacturers shall provide documentation by an independent NELAC accredited laboratory that proves the product has minimum kill rates for the pathogens given the listed items and in a space condition.

- Ozone Generation: The operation of the electrodes or Bi-polar ionization units shall conform to UL 867-2007 with respect to ozone generation. There shall be no ozone generation during any operating condition, with or without airflow.

- Control Requirements: All Plasma Generators shall have internal short circuit protection, overload protection, and automatic fault reset circuit breakers. Systems with fuses shall not be allowed. Integral airflow sensing shall modulate the Plasma output as the airflow varies or stops. A mechanical airflow switch shall not be acceptable as a means to turn off the Plasma device due to high failure rates and pressure sensitivity. The installing contractor shall mount and wire the Plasma device to the air handling unit specified as the air handling unit. All fuses or manufacturers shall be replaced with standard distribution. Dry contacts shall be provided to prove the power is applied to the Plasma device, but not directly sensing the power of the ion output, shall not be acceptable.

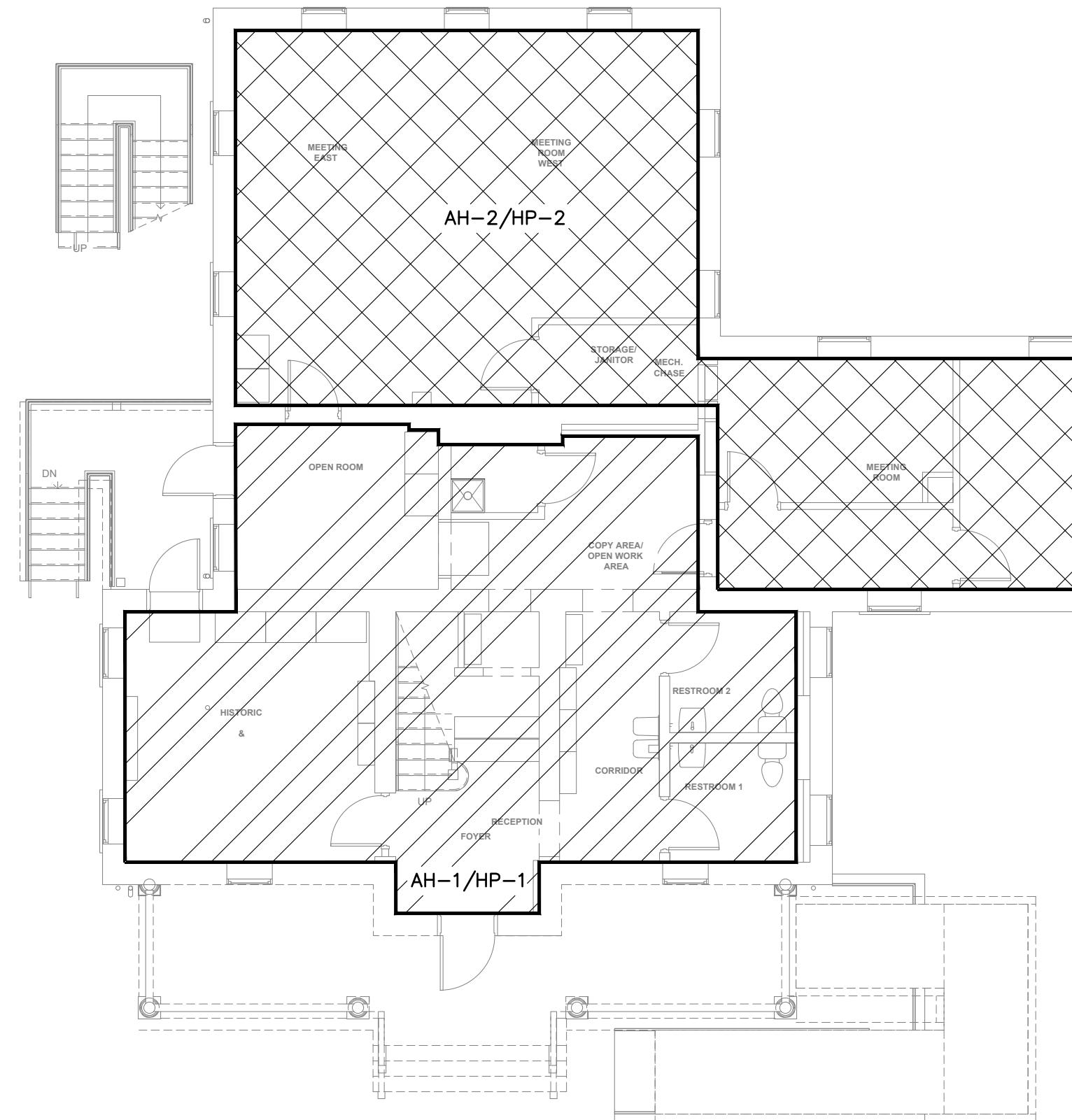
- 39) Sealant materials: joint and seam sealants, general: the term "sealant" is not limited to materials of adhesive or mastic nature but includes tapes and combinations of open-weave fabric strips and mastics. Joint and seam tape: 2 inches wide, glass fiber reinforced. Joint and seam sealant: one-part, nonsolvent, solvent-release-curing, polymer-based butyl sealant, formulated with a minimum of 75 percent solids. Flanged joint mastics: one-part, acid-curing, silicone, elastomeric joint sealants, complying with ASTM C 920, type S, grade NS, class

MECHANICAL SYMBOLS & ABBREVIATIONS LEGEND									
NEW PIPE, DUCTWORK OR EQUIPMENT									
DUCT SIZE: FIRST DIMENSION IS SIDE DRAWN									
FIRE DAMPER, SMOKE DAMPER, SMOKE DETECTOR									
CEILING DIFFUSER									
CEILING RETURN OR EXHAUST AIR									
S.A. DUCT CUT OUT OF TU BOX WITH DUCT LINER FOR THR FIRST FIVE FEET OF DUCT OUT OF TU BOX									
SIDEWALL REGISTER OR GRILLE									
CHANGE IN PIPE OR DUCT SIZE OR SHAPE									
REFRIGERANT PIPING									
D CONDENSATE OR OTHER DRAIN PIPING									
C ELBOW TURNED DOWN OR TURNED UP IN PIPING									
T THERMOSTAT, ARROW SHOWS CONTROL WIRING PATH									
D DIAL CLOCK									
U.C. UNDER-CUT DOOR 3/4", UNLESS OTHER SIZE NOTED									
IN									
ITEM IN HEXAGON SHOWS AIR DEVICE MARK NUMBER, ITEM ABOVE LINE SHOWS NECK SIZE, ITEM BELOW LINE SHOWS AIR FLOW THROUGH DEVICE, AND NUMBER IN FRONT SHOWS QUANTITY IF MORE THAN ONE									
AFF ABOVE FINISHED FLOOR									
AH AIR HANDLING UNIT									
BD BYPASS DAMPER									
BTUH, MBH BRITISH THERMAL UNITS, THOUSAND BRITISH THERMAL UNITS									
CAP CAPACITY									
CFM CUBIC FEET PER MINUTE									
CLG CEILING									
CU CONDENSING UNIT									
DB, WB DRY BULB TEMPERATURE, WET BULB TEMPERATURE									
EA, EG EXHAUST AIR, EXHAUST GRILLE									
EF EXHAUST FAN									
EXT SP EXTERNAL STATIC PRESSURE (USUALLY EXPRESSED IN INCHES OF WATER IN GAGE)									
HEAT COIL UNIT									
MVD, VD MANUAL VOLUME DAMPER									
OA OUTSIDE AIR									
RA, RG RETURN AIR, RETURN GRILLE									
RTU PACKAGED ROOFTOP UNIT									
SA SUPPLY AIR									
VAC, PH VOLTS, ALTERNATING CURRENT, NUMBER OF PHASES									
W, KW WATTS, KILOWATTS									
AD ACCESS DOOR									
RADIUS ELBOW (R=1.5)									
VANED ELBOW									
MOD MANUAL VOLUME DAMPER (MVD), MOTOR OPERATED DAMPER (MOD)									

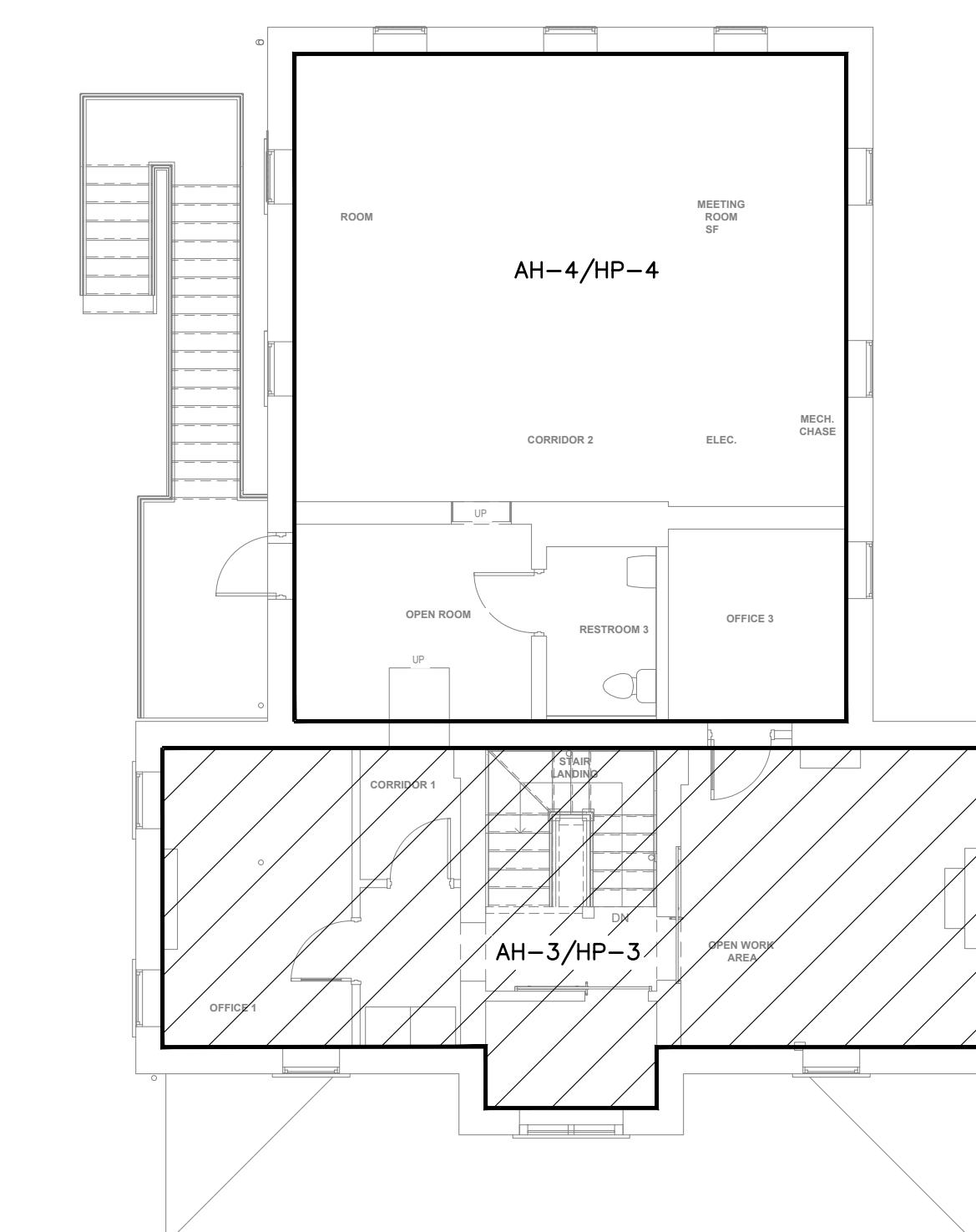
HEAT PUMP AIR HANDLING UNIT SCHEDULE												
MARK	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXT. SP. IN. W.G.	EVAP. FAN HP	EVAP. COIL DESIGN CONDITIONS	EVAP. COIL DESIGN CONDITIONS	SYSTEM COOLING CAPACITY	MAX. REHEAT CAPACITY	SUPPLY AIR FAN	HEAT PUMP	POWER VAC/PH	BASIS OF DESIGN CARRIER
					DB T. WB T.	DB T. WB T.						NOTES
AH-1	1050	100	0.60	1/2	78.4	55.5	55.0	54.0	36.0	27.0	7.5	250 208/1 FE4ANF003.00 1:2:3:4:5:6:7:8:9:10
AH-2	1440	150	0.60	1/2	78.2	65.3	55.0	54.0	48.0	36.0	11.3	250 208/1 FE4ANF005.00 1:2:3:4:5:6:7:8:9:10
AH-3	700	80	0.60	1/2	77.6	64.7	55.0	54.0	24.0	17.0	7.5	250 208/1 FE4ANF002.00 1:2:3:4:5:6:7:8:9:10
AH-4	1420	150	0.60	1/2	78.2	65.3	55.0	54.0	48.0	36.0	11.3	250 208/1 FE4ANF005.00 1:2:3:4:5:6:7:8:9:10

AIR COOLED HEATPUMP UNIT SCHEDULE												
MARK	AHU SERVED	HEAT PUMP HEATING CAP (MBH)	SEER2	HPSP	NOM. CAP (TONS)	REFRIG.	OA TEMP SUMMER (DB)	OA TEMP WINTER (DB)	WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES
HP-1	AH-1	36.0	16.5	8.1	3.0	R410A	93	17	250	208/1	25WNA36A003	1:2:3:4:5
HP-2	AH-2	48.0	18.0	8.5	4.0	R410A	93	17	350	208/1	25WNA48A003	1:2:3:4:5
HP-3	AH-3	24.0	16.5	8.1	2.0	R410A	93	17	250	208/1	25WNA324B003	1:2:3:4:5
HP-4	AH-4	48.0	18.0	8.5	4.0	R410A	93	17	350	208/1	25WNA48A003	1:2:3:4:5

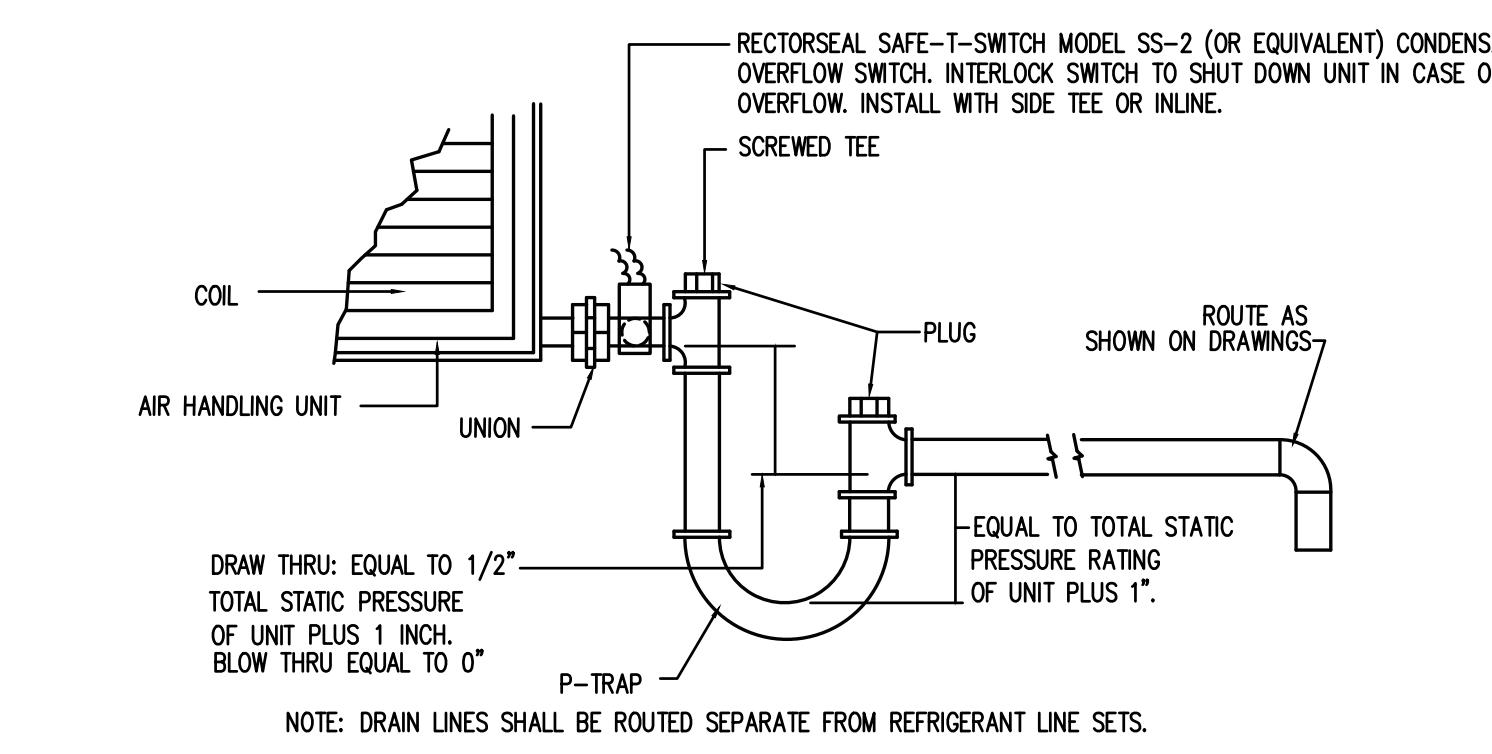
FAN SCHEDULE												
MARK	CFM	EXT. SP. IN. W.G.	DRIVE TYPE	MOTOR (HP)	FAN (FPM)	MAX. SONES	POWER/PHASE	BASIS OF DESIGN	SERVES	NOTES		
EF-1	70	0.22	DIRECT	18.0 W	900	0.6	115/1	GREENHECK SP-B80	REST ROOM		1:2:3:4:5	
EF-2	70	0.22	DIRECT	18.0 W	900	0.8	115/1	GREENHECK SP-B80	REST ROOM		1:2:3:4:5	
EF-3	70	0.22	DIRECT	18.0 W	900	0.8	115/1	GREENHECK SP-B80	REST ROOM		1:2:3:4:5	
EF-4	50	0.22	DIRECT	18.0 W	900	0.8	115/1	BRO				



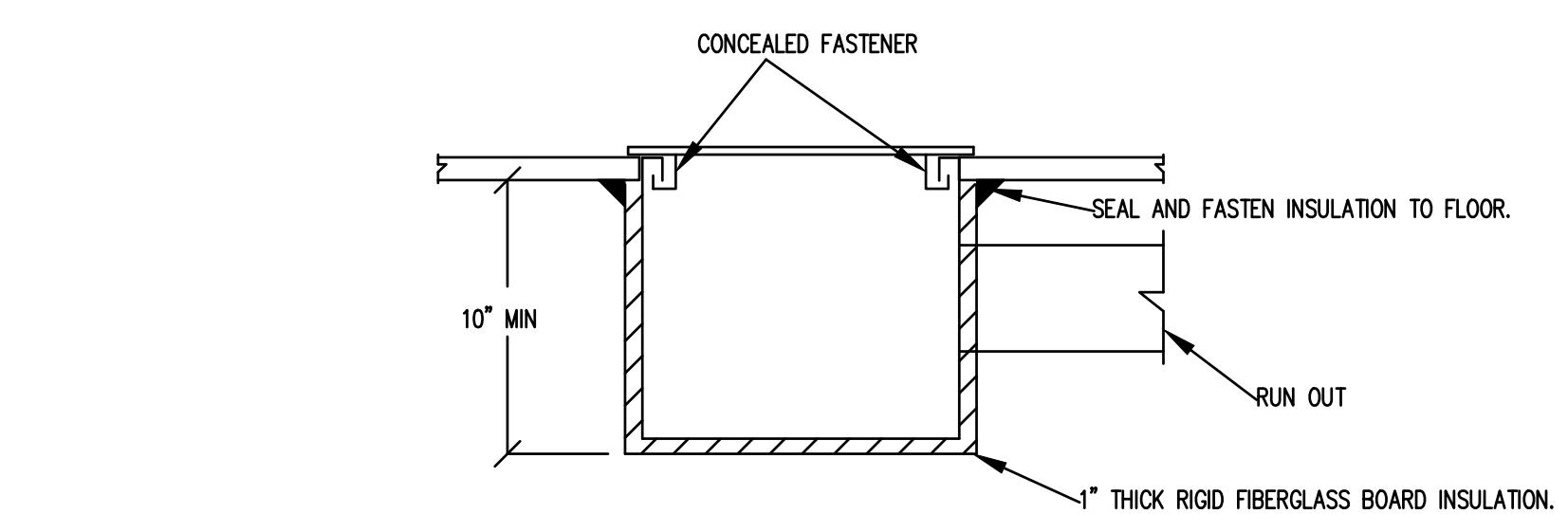
1 MECHANICAL ZONING PLAN
SCALE: 1/4"=1'-0"



2 CONDENSATE DRAIN DETAIL
SCALE: N.T.S.



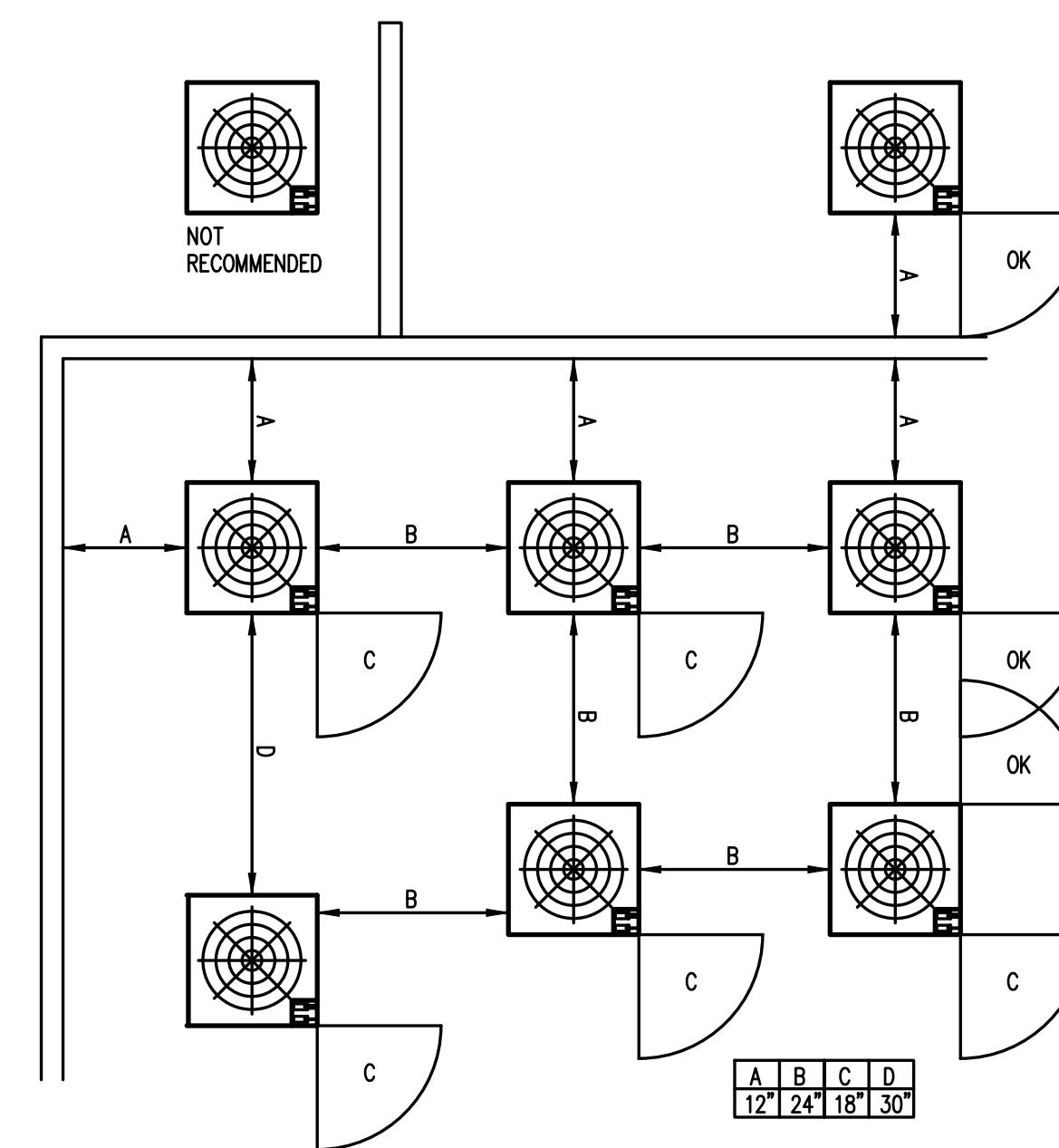
3 FLOOR GRILLE WITH DIRT LEG PLENUM-DETAIL
SCALE: N.T.S.



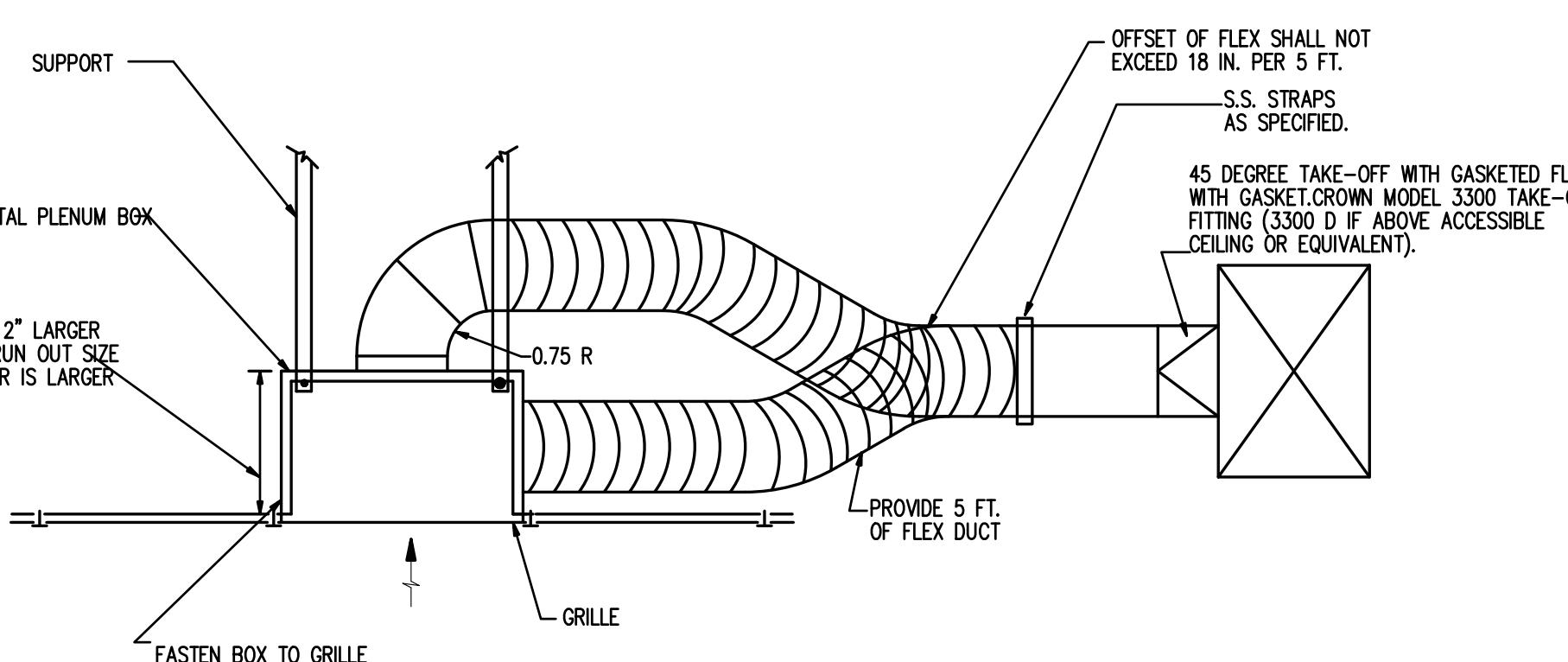
NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

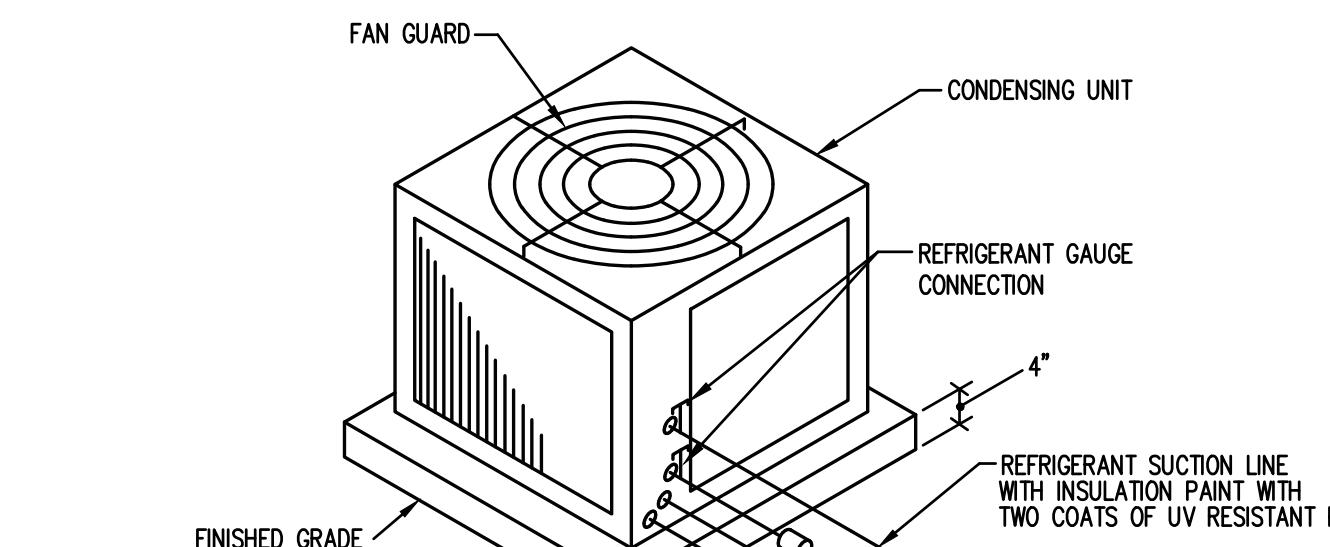
1177 STALLINGS STREET
COVINGTON, GEORGIA



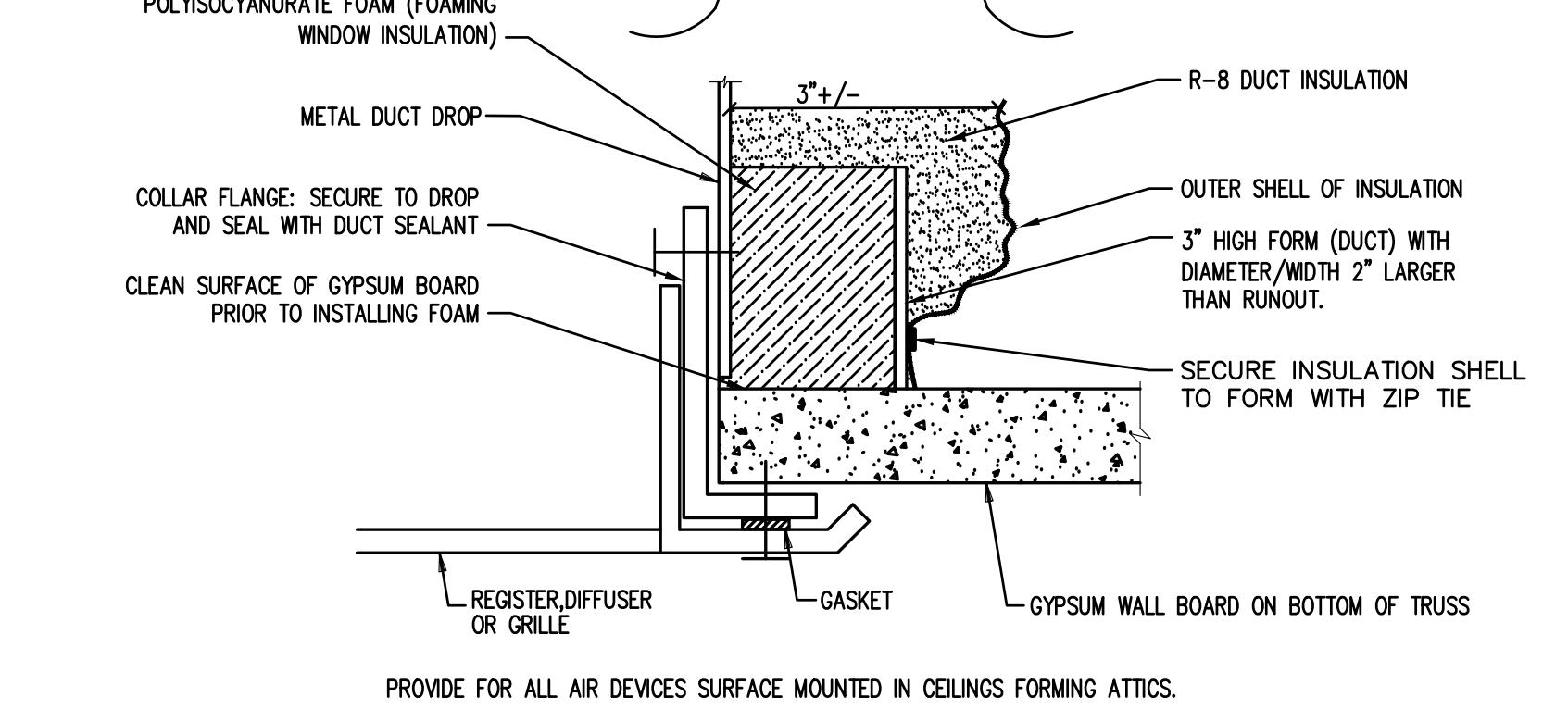
6 CONDENSER SPACING DETAIL
SCALE: N.T.S.



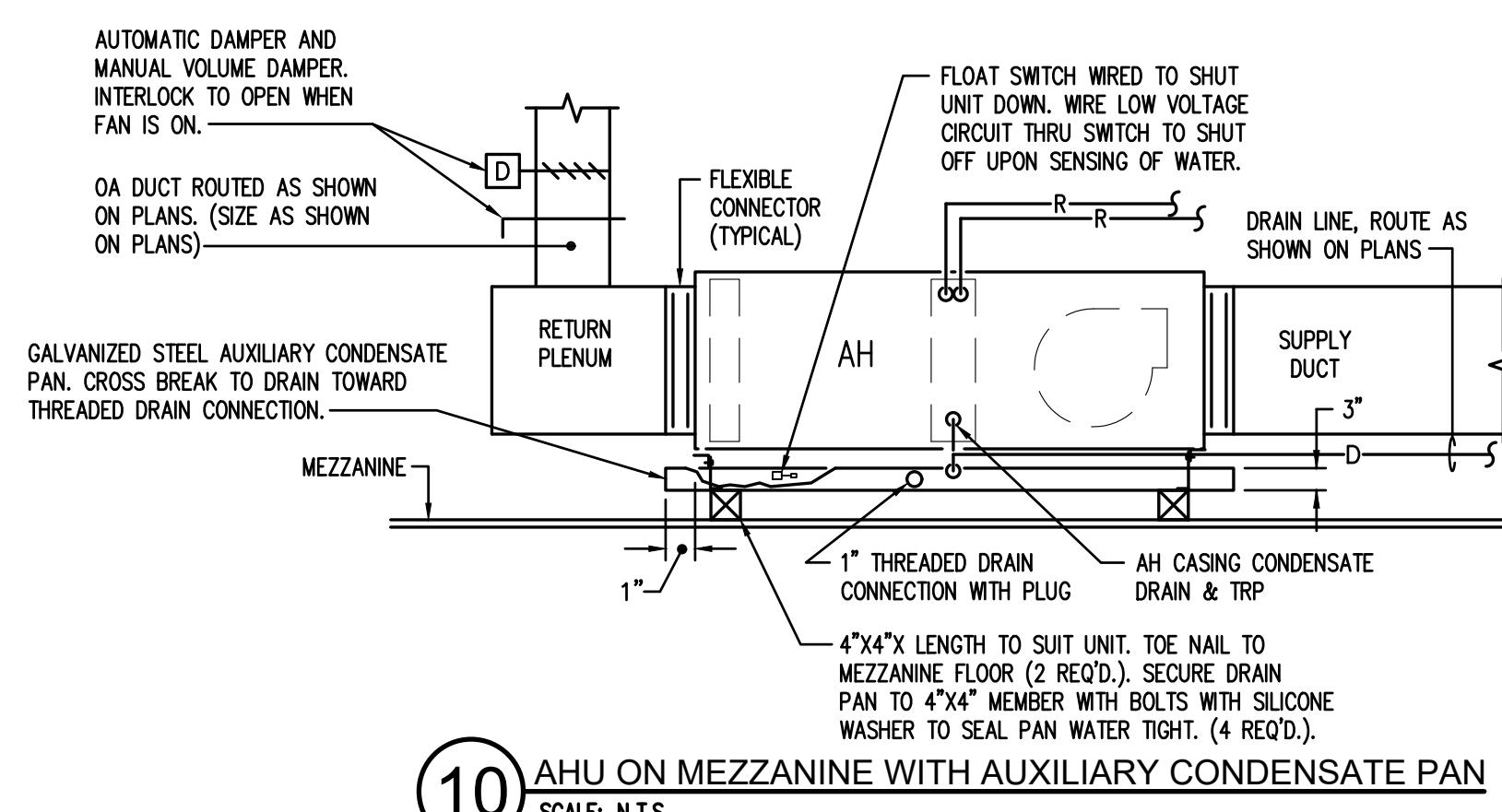
7 TYPICAL GRILLE WITH LINED PLENUM DETAIL
SCALE: N.T.S.



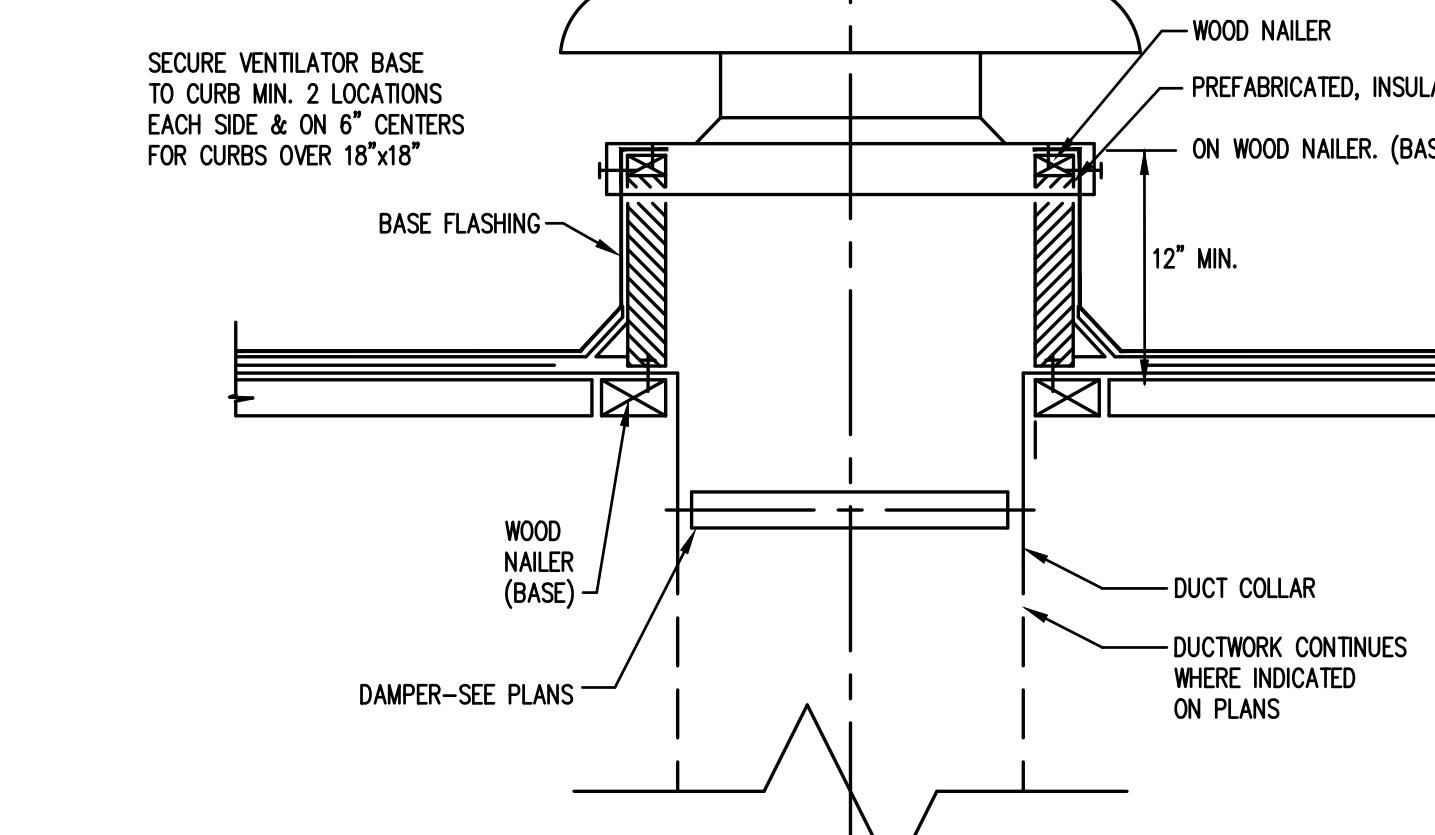
8 AIRCOOLED CONDENSING UNIT SLAB MOUNTED
SCALE: N.T.S.



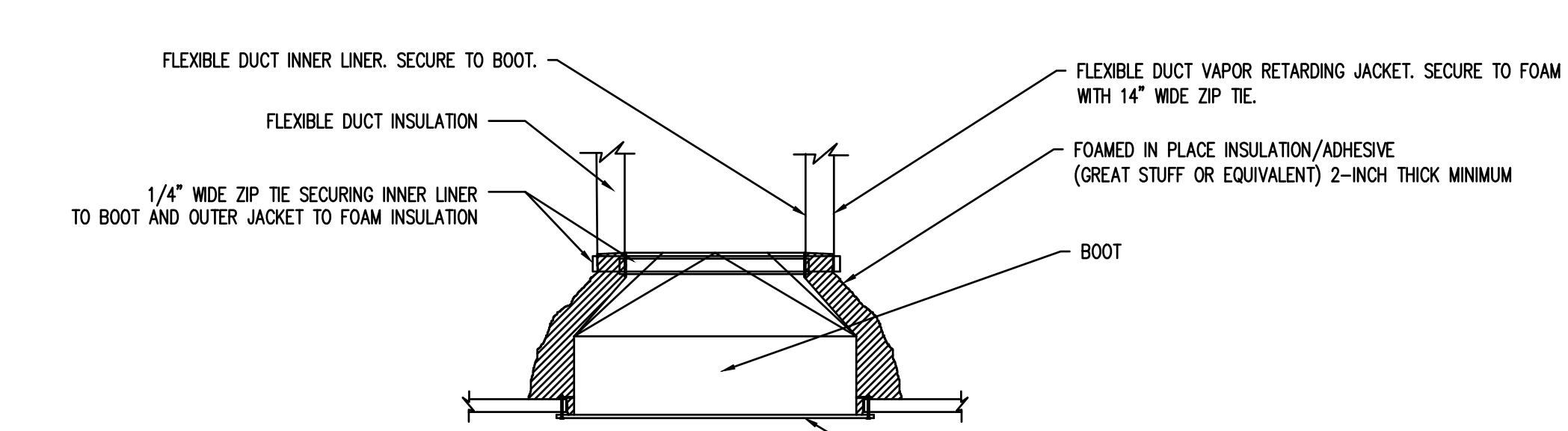
9 SURFACE MOUNT GRILLE/REGISTER/DIFFUSER-GYPSUM ON TRUSS
SCALE: N.T.S.



10 AHU ON MEZZANINE WITH AUXILIARY CONDENSATE PAN
SCALE: N.T.S.



11 ROOF INTAKE VENTILATOR DETAIL
SCALE: N.T.S.



12 CEILING DIFFUSER FED FROM ATTIC DETAIL
SCALE: N.T.S.

PRINT RECORD		
NO.	DATE	DESCRIPTION
1	09-23-2024	ISSUED FOR PRICING

Drawn By KMP
Checked By KMP

Date 05-16-2025
Job No. 24004

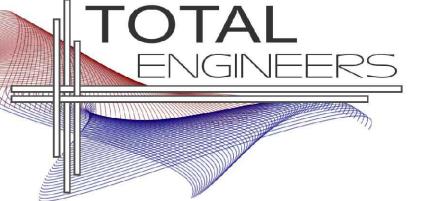
Sheet Title

MECHANICAL DETAILS

Sheet No.

M-0.3

NOT RELEASED FOR CONSTRUCTION



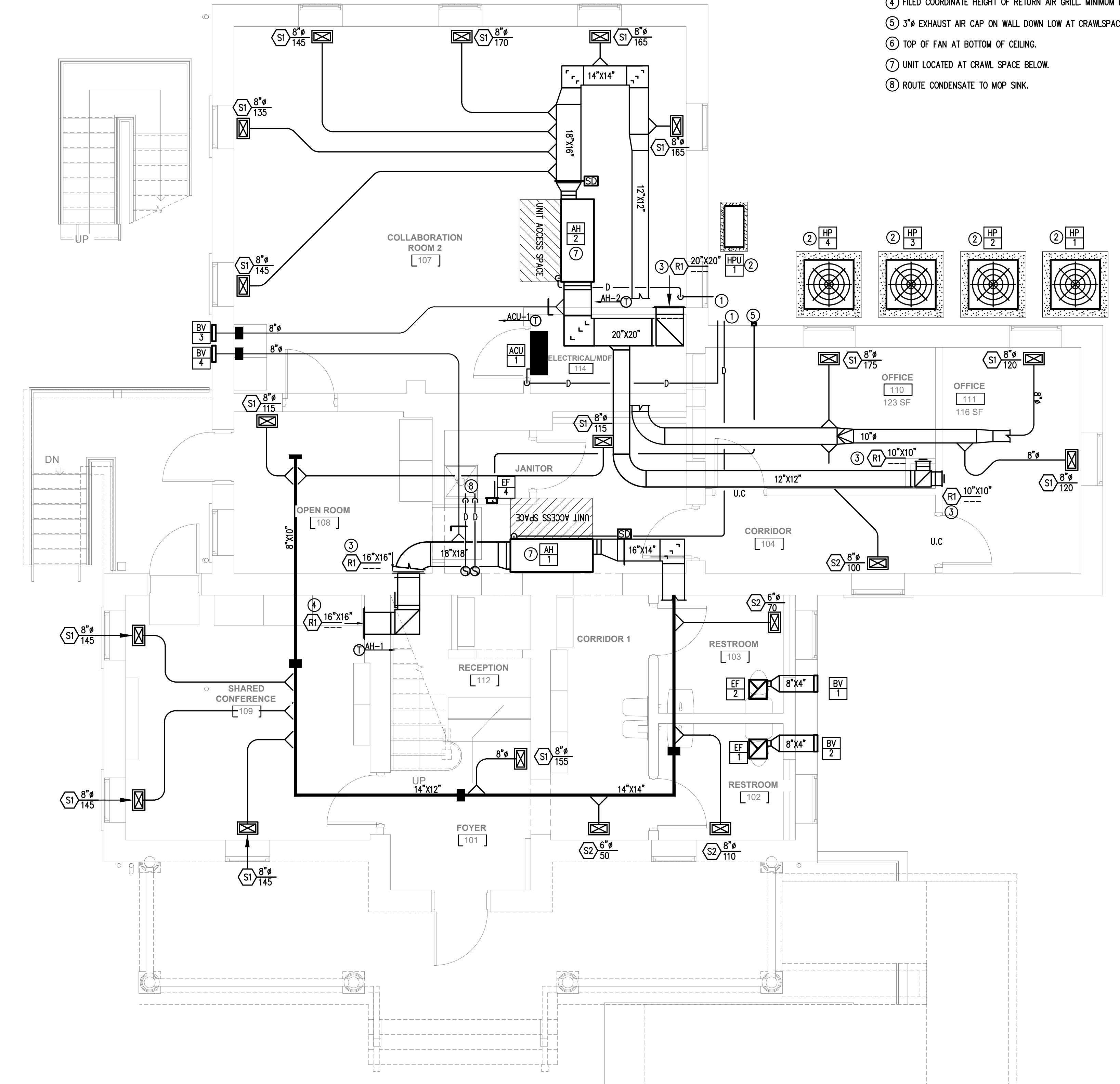
9 New Street, Macon, GA 31201
(741-4632 - T.E. project # 24-067
www.totalengineers.com

REVIEW SET NOT FOR CONSTRUCTION

NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY

COVINGTON, GEORGIA



1 LEVEL 1 MECHANICAL PLAN
SCALE: 1/4"=1'-0"

Drawn By **Checked By**
IP KMP

ate Job No.
-16-2025 24004
Last Title

Meet Title

LEVEL 1 - MECHANICAL PLAN

Sheet No

Meeting No. _____

M-1 0

THE M T.O.

NOT RELEASED FOR CONSTRUCTION

ALPHA BLDG SET 10-06-2025

NOT RELEASED FOR CONSTRUCTION

PLUMBING SPECIFICATIONS

Provide all plumbing items indicated on the drawings, described herein or otherwise required for a complete and proper installation, including:

- A. Plumbing fixtures, fittings and equipment.
- B. Hot and cold water systems.
- C. Drain waste and vent piping systems.
- D. Indirect waste piping including of valves, traps, piping and accessories for all equipment. Site per equipment requirements.

Comply with all applicable codes, standards and ordinances, including requirements of the Georgia State Minimum Standard Plumbing Code (2018 International Plumbing Code with Georgia State Amendments), Georgia State Minimum Standard Gas Code (2018 International Gas Code with Georgia State Amendments), Georgia State Minimum Standard Energy Code (2015 International Energy Conservation Code with Georgia State supplements and Amendments), and the DOJ 2010 ADA Standards for Accessible Design with Georgia Amendments of Rule 120-3-20.

The contractor shall not attempt to precisely scale dimensions from these drawings to obtain construction dimensions and clearances. The contractor shall verify all actual dimensions and clearances. Although these plans are diagrammatic in nature, they shall be followed as closely as site conditions, new construction, and work by other trades shall permit. Deviations from these drawings, which are required to conform to the available space or to actual building construction, shall be made at additional cost to the owner.

The submission of a bid or proposal will be considered as evidence that the contractor has familiarized himself with the plans and building site. Claims made subsequent to the proposal for materials and/or labor due to difficulties encountered will not be recognized unless these difficulties could not have been foreseen, even though proper examination had been made.

Fabrication or ordering of any material or equipment prior to verification of site conditions shall be done at the contractor's risk. All equipment and material shall be new and of first quality. Equipment and material shall be the same or equal to the basis of design listed on these drawings.

Coordinate with all trades and verify all equipment rough-in items and locations with the equipment supplier or contractor. All re-work and corrections required due to lack of coordination shall be the contractor's responsibility, and done at no cost to the owner.

Submit shop drawings and material data submittals to the engineer for approval before installation. No substitutions shall be allowed without prior approval by the engineer. Product data for piping, insulation, valves, specialties and all fixtures and equipment scheduled and specified here. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.

All equipment and fluid materials shall be U.L. listed.

Installation shall comply with manufacturer requirements including all clearances recommended for proper operation of service. All serviceable parts shall be readily accessible.

Sanitary drain and vent piping shall be ASTM D2665 schedule 40 PVC with PVC Socket Fittings (ASTM D 2665, made to ASTM D 3311, drain, waste, and vent patterns and to fit Schedule 40 pipe). Slope at 1/8 inch per foot continuously toward public sewer. All aboveground piping shall be adequately supported. Install underground, PVC plastic drainage piping according to ASTM D2321. Install aboveground PVC piping according to ASTM D 2665 Cellular Core PVC (Foam Core PVC) not acceptable. Provide PVC IPEX type 1 expansion joints on attenuating floors or sewer, stem, and vent risers over 30 feet tall.

Insulate aboveground floor drains, traps, and sanitary drain piping within 10 feet of drain receiving condensate and equipment drain water below 60" with 1" thick type I performed glass-fiber pipe insulation, 1"-2" cellular glass, or 1" flexible elastomeric.

All above ground domestic water distribution piping shall be ASTM D 2846, SDR11, schedule 40 PVC with socket fittings. All piping shall be adequately supported. Disinfect all domestic water piping after installation. All underground domestic water distribution piping 1" and smaller shall be ASTM D 876 & ASTM F 877 PEX with no fittings underground. All underground domestic water distribution piping 1"-4" and larger shall be ASTM D 1785 schedule 40 PVC with ASTM D 2466 PVC socket fittings.

Domestic water piping shall be insulated with Owens Corning type AS/SSL-II heavy density fiber glass with all service jacket insulation shall be applied to the entire pipe and fittings. Insulation shall be applied in accordance with U.S. standard 42-1. Provide mastic on all joints and exposed ends of insulation. Insulate domestic Cold water piping in unconditioned spaces such as exterior corridors, attics, basements, etc with 1/2" thick insulation for piping 1"-4" & smaller and 1" thick insulation for piping 1"-2" & larger. Insulate all domestic Hot water supply and return piping with 1" thick insulation for piping 1"-4" & smaller and 1"-2" thick insulation for piping 1"-2" & larger.

HW & CW Valves: Use pipe size valves, as shown below:

A. Ball: Spears CPVC True Union.

B. Check: Spears CPVC True Union.

Domestic water valve Boxes: Comply with AWWA M44 for cast-iron valve boxes. Include top section, adjustable extension of length required for depth of burial of valve, plug with lettering "WATER", and bottom section with base that fits over valve and with a barrel approximately 5 inches in diameter. Operating Wrenches: Steel, tee-handle with one pointed end, stem of length to operate deepest buried valve, and socket matching valve operating nut.

Ball-Valve-Type: Hose-End Drain Valves shall comply with MSS SP-110 for two-piece, copper-alloy ball valves. Copper alloy body, 3/4", 400-psig pressure rating, replaceable seals and seats, vinyl-covered steel handle, threaded short nipple outlet with garden-hose thread complying with ASME B1.20.7 and cap with brass chain.

Balancing valves shall conform to MSS SP-110 for two-piece, copper-alloy ball valves. Balancing valves shall be copper alloy, memory-stop type, chrome-plated brass body, replaceable seats & seals, vinyl-covered steel handle with memory-setting device.

Fixture traps, wall explosions, and traps for fixtures and sinks shall be brass tubing, semi-cast, or cast iron. All brass tubing shall be 17 gage, chrome plated. Exception: If the fixture traps and traps are located in cabinets, the tailpiece & trap shall be PVC. Grid drains for public lavatories. Basket strainers for break room sinks.

Water Hammer Arresters shall comply with standard ASSE 1010, metal bellows type or copper piston type.

For accessible-fixture support include rectangular steel uprights. Lavatory Supports shall be type II, lavatory carrier with concealed arms and tie rod for wall-mounting, lavatory-type fixture. Include steel uprights with feet. For accessible-fixture support include rectangular steel uprights. Plate type wall hangers for water closets. Water closet carrier shall be ASME A112.6.1M waste-fitting assembly, as required to match drainage piping material and arrangement with flanges, couplings gaskets, and feet; bolts and hardware matching fixture. Include additional extension coupling, flange, and feet for installation in wide pipe space if required.

Lavatory/Sink supply fittings: NSF Standard: Comply with NSF/ANSI 61 Annex G, "Drinking Water System Components - Health Effects," for supply-fitting materials that will be in contact with potable water. Standard: ASME A112.18.1/CSA B125.1, Supply Stop: Chrome-plated-brass, one-quarter-turn, ball-type valve with inlet connection matching supply piping. Wheel handle operation. Risers: Chrome-plated, soft-copper flexible tube for exposed applications and ASME A112.18.6, braided- or corrugated-stainless-steel, flexible hose for concealed behind cabinet applications.

Provide ADA Supply and Drain Protective Shielding Guards on ADA fixtures that piping is exposed. Supply and Drain Protective Shielding Guards shall comply with ICC A111.1 and Americans with Disabilities Act (ADA) requirements. Manufactured plastic wraps shall cover hot and cold water supplies, trap, and drain piping.

All pipe hangers, clamps and channels shall be adequately sized to carry pipe loads and prevent sagging.

All other materials not specifically described but required for a complete and proper installation of work of this section, shall be new, first quality of their respective kinds, and as selected by the contractor subject to acceptance by the engineer.

Lay out the plumbing system in careful coordination with the drawings, determining proper elevations for all components of the system and using only the minimum number of bends to produce a satisfactorily functioning system. Follow the general layout shown on the drawings in all cases except where other work may interfere. Unless shown otherwise, lay out all pipes to fall within partition, wall floor, or roof cavities, and to not require furring other than as shown on the drawings.

Do not cut into or reduce the size of any load-carrying member without the prior approval of the architect. Install all pipes to clear all beams and obstructions.

Extend all plumbing vents above roof to parapet height.

Permanently close and make weatherproof any openings or penetrations of the building envelope made for plumbing systems. All wall and floor penetrations shall be sealed. All exterior wall or foundation wall penetrations shall use a mechanical seal.

Coordinate all roof penetrations with architectural plans and building and roofing trades.

Provide shut-off ball valves and unions at all water connections to equipment and appliances.

Isolate all dissimilar metals with "EPCO" dielectric unions, except for brass or bronze valves with steel pipe.

Protect the potable water supply against backflow and siphonage from equipment, fixtures, etc., using approved backflow and anti-siphon devices.

Thoroughly clean all piping and equipment. Removing all dirt, rust, oil, and plaster.

Test Sanitary and storm drainage piping by plugging all openings and filling with water to a height equal to a 10 foot head. Allow to stand one hour or longer as required. Repair leaking joints and then re-test.

No work shall be covered until it has been inspected and accepted by the local authority and the engineer.

Domestic water piping: Fill domestic water piping. Check components to determine that they are not air bound and that piping is full of water. Test for leaks and defects in new piping and parts of existing piping that have been altered, extended, or repaired. Leave new, altered, extended, or replaced domestic water piping uncovered and unconnected until it has been tested and approved. Expose work that was covered or concealed before it was tested. Cop and subject piping to static water pressure of 50 psig (345 kPa) above open piping pressure and extend piping to a pressure test source and allow it to stand for four hours. Leaks and loss in test pressure constitute defects that must be repaired. Repair leaks and defects with new materials, and retest piping or portion thereof until satisfactory results are obtained.

The entire system shall be warranted for a period of one (1) year beginning with Owner's acceptance of the work. All labor and materials necessary to repair or replace the system, or portions thereof, during that time shall be warranted for a period of one (1) year from the repair or replacement.

Install piping in concealed locations, unless otherwise indicated and except in equipment rooms, and service areas. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Basement runs are prohibited unless specifically indicated otherwise. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal. Install piping to permit valve servicing. Install piping at indicated slopes. Install piping free of sags and bends. Install fittings for changes in direction and branch connections. Install piping to allow application of insulation. Select system components with pressure rating equal to or greater than system operating pressure. Install esculutments for penetrations of walls, ceilings, and floors. Verify final equipment locations for roughing-in.

Confirm that millwork is constructed with adequate provision for the installation of counter top lavatories and sinks.

Seal fixtures to wall and floor surfaces with sealant, color to match fixture.

All vents thru roof (VTR) shall be offset a minimum of 10'-0" from all outside air intakes.

Provide Plastic Pipe Markers on all aboveground plumbing piping that Comply with ASME A13.1. Minimum information indicating flow direction arrow and identification of fluid being conveyed. Install labeling on pipe of intervals of not more than 20 feet and at least once in each room.

Provide a complete through penetration fire stopping assembly for fire resistance rated wall assemblies. The through penetration assembly must be listed by an approved third-party test agency (UL), and include the entire listed assembly with all notations. Refer to architectural drawings for fire wall locations.

Provide a backflow preventer at the water riser if backflow preventer is not shown on civil drawings. Provide pressure reducing valve (PRV) in case building pressure is greater than 80 PSI.

Approved manufacturers: (Items submitted shall be approved by architect and engineer. Architect and engineer reserve the right to reject any item substituted for basis of design item for any reason.)

Chim Fixtures: American Standard, Kohler, Toto, Zurn, Sloan
Faucets: Delta, T&G Brass, Chicago Faucets, Zurn, Kohler, Grohe, Moen, Speakman, Symmons
Supplies & Traps: Engineered Brass CO., Moen, Charlotte Pipe, Brasscraft, IPS, Watts, Zurn
Floor Drains & Cleanouts: Zurn, Joy R Smith, Proset, Watts, Milab, Wade, Josom, Sioux Chief, Oatey
Water Heaters: A.O. Smith, Lochinvar, Bradford White, State, Rheem
Toilet Seats: Bemis, Centoco, Church Seats, Osonite, Beneke, Zurn, Montline
Stainless Steel Sinks: Doyon, Elkay, Just, Kohler, Moen, Sterling, Franke
ADA Protective Shielding Pipe Cover: Engineered Brass, McGuire, Plumberex, TRUEBRO, Zurn, Oatey
Fixture Supports: MIFAB, Joy R. Smith, Wade, Watts, Woodford, Zurn
Wall Hydrants/Hose Bibs: MIFAB, Joy R. Smith, Wade, Watts, Wilkins
Water Hammer Arresters: AMTROL, State, Watts, Wilkins
CPVC Valves: American, NIBCO, Spears
Water Coolers: Elkay, Oasis, Haws
Mop Sinks: Stern Williams, Acorn, Fiat
Air Admittance Valves: Studor, Oatey

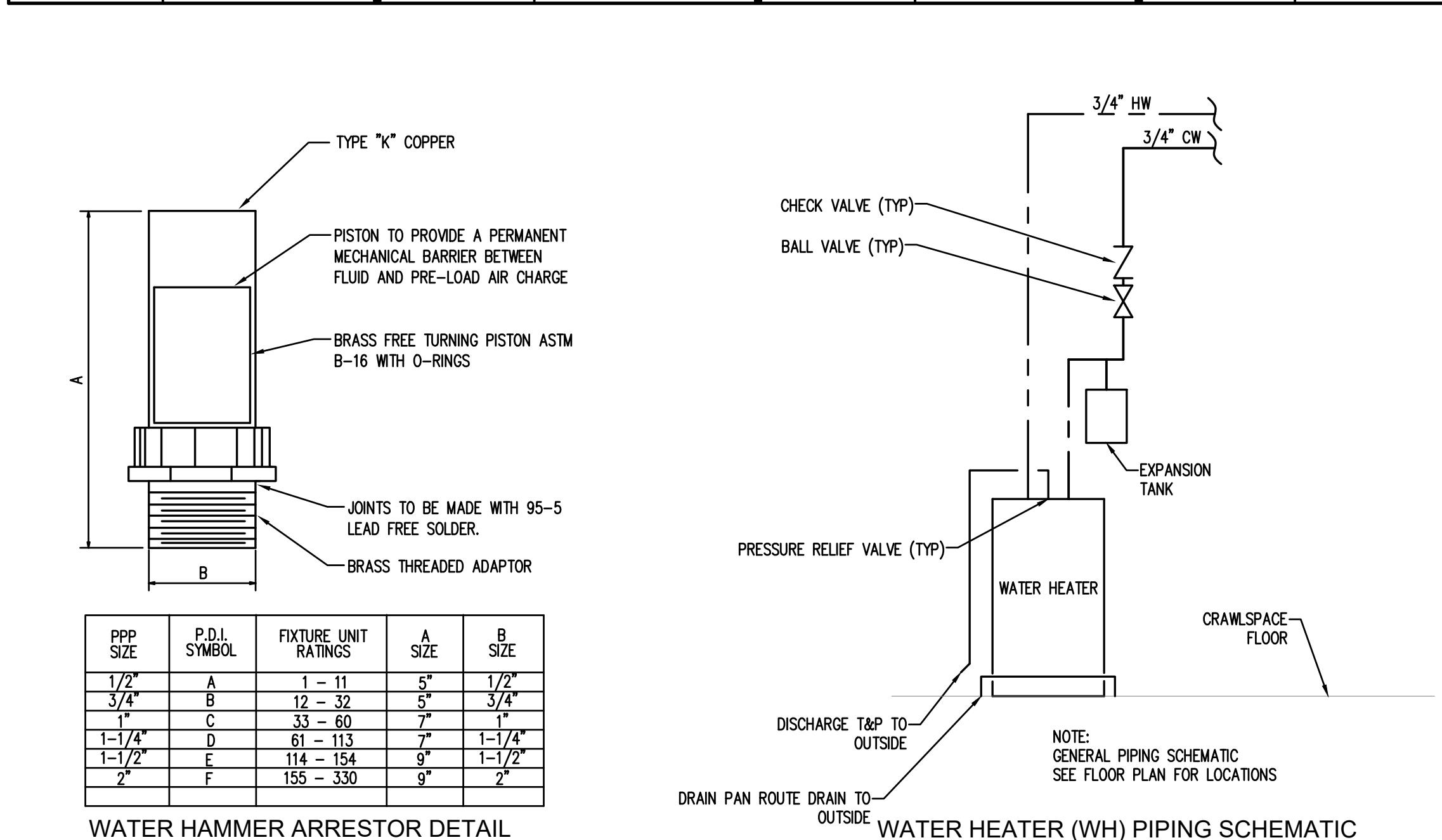
FIXTURE AND EQUIPMENT SCHEDULE

#	Fixture Type	Waste	Water Supply	Water Fix. Conn.	Manufacture and Notes
		DEVELOPMENT FLOOR CONN.	COLD	HOT	
WC1	TANK TYPE ADA WATER CLOSET	3"	3"	1/2"	1/2"
WC2	TANK TYPE ADA WATER CLOSET -RIGHT HAND TRIP LEVER	3"	3"	1/2"	1/2"
MOP	MOLDED-STONE MOP SINK	3"	3"	1/2"	1/2"
NFH	NON-FREEZE WALL HYDRANT			3/4"	3/4"
EWC	ELECTRIC WATER COOLER W/ BOTTLE FILLER	2"	1-1/4"	1/2"	ELKAY LZSTLWNSLK
SWT	SIDE WALL VENT TERMINAL	3"			WATTS MS-8000.
GCO	GRADE CLEANOUT	SEE DWGS	SEE DWGS		WATTS CO-200-RX-4-60.
CO	INLINE CLEANOUT	SEE DWGS.	SEE DWGS.		PVC CLEAN OUT

NOTE: PLUMBING CONTRACTOR SHALL SUBMIT PLUMBING FIXTURE TO OWNER/SUBBENT/ARCHITECT FOR APPROVAL BEFORE PURCHASING FIXTURE.

WATER HEATER & TANK SCHEDULE					
MARK	MANUFACTURER	MODEL NUMBER	TYPE	GPH @ 10' RISE	GALLON
WH	A.O. SMITH	ENLB-40	RESIDENTIAL LOWBOY ELECTRIC	21	38
ET	ZURN/WILKINS	XT-8	EXPANSION TANK	2.1	4.5

LEGEND					
SHUT-OFF VALVE	COLD WATER	(TYP)	VIR	VENT THRU ROOF	
CHECK VALVE	HOT WATER	C.T.	AFF	ABOVE FINISHED FLOOR	
PIPE UP	HOT WATER RETURN	DN	CW	COLD WATER	
PIPE DOWN	GAS	CONN.	HW	HOT WATER	
PDI UNIT	POUNDRY	GREASE	NTS	NOT TO SCALE	
PIPE	WATER HAMMER ARRESTOR	SEWER	VENT	VENT	
DWGS.	DRAWINGS	FIRE SPRINKLER	FLR	FLR	
A	COMPRESSED AIR	SEWER	F.F.E.	FINISHED FLOOR ELEVATION	
B	PRESSURE REDUCING/REGULATOR VALVE	FIRE SPRINKLER	FLR	CLOSED VALVE	
C	DEMOLITION	EXISTING TO REMAIN	CONNECT TO EXISTING	CONNECT TO EXISTING	



NEWTON CO HISTORIC JAIL RENOVATION

PRINT RECORD

No.	Date	Description
1	09-23-2024	ISSUED FOR PRICING

Drawn By KMP

Date 05-16-2025 Job No. 24004

Sheet Title PLUMBING SPECIFICATIONS

Sheet No. 1

Page 1 of 1

NOT RELEASED FOR CONSTRUCTION

8/22/2

FIRE PROTECTION BASIC MATERIALS AND METHODS (FIRE PROTECTION SECTION 1 OF 2)

- PART 1 GENERAL**
- 1.1 SECTION INCLUDES**
- A. Pipe, fittings, valves, and connections for combination sprinkler and standpipe systems.
- 1.2 SUBMITTALS**
- A. ASME B16.1 – Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250; The American Society of Mechanical Engineers.
- B. ASME B16.3 – Malleable Iron Threaded Fittings: The American Society of Mechanical Engineers.
- C. ASME B16.4 – Gray Iron Threaded Fittings: The American Society of Mechanical Engineers.
- D. ASME B16.5 – Pipe Flanges and Flanged Fittings: The American Society of Mechanical Engineers; (ANSI/ASME B16.5).
- E. ASTM A 47/A 47M – Standard Specification for Ferritic Malleable Iron Castings.
- F. ASTM A 53/A 53M – Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
- G. ASTM A 795/A 795M – Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use.
- H. NFPA 13 – Standard for the Installation of Sprinkler Systems; National Fire Protection Association.
- I. NFPA 24 – Standard for the Installation of Private Fire Service Mains and Their Appurtenances; National Fire Protection Association.
- J. NFPA 72 – National Fire Alarm Code.
- K. NFPA 101 – Code for Safety to Life from Fire in Buildings and Structures.
- L. 2018 International Fire Code (as adopted and amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120-3-3-04(3)).
- M. UL (FPE) – Fire Protection Equipment Directory; Underwriter Laboratories Inc.; current edition.
- N. UL 262 – Gate Valves for Fire-Protection Service; Underwriters Laboratories Inc.
- O. Chapter 120-3-3 of the Rules of the Safety Fire Commissioner.
- P. Georgia State Minimum Standard Building Code (International Building Code 2018 Edition, with Georgia State Amendments); NFPA Code, where more stringent, shall take precedence.
- 1.3 SUBMITTALS**
- A. Product Data: Provide manufacturers catalogue information. Indicate valve data and ratings.
- B. Shop Drawings: Indicate pipe materials used, joining methods, supports, floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.
- C. Project As-Built Documents: Record actual locations of components and tag numbering.
- D. Operation and Maintenance Data: Indicate installation instructions and spare parts lists.
- 1.4 QUALITY ASSURANCE**
- A. Fire Protection
1. The Contractor expressly warrants that the company performing the installation of the fire protection systems has demonstrated proficiency in the installation, start-up and adjustment of such systems to the successful performance of work of the nature specified herein on at least 5 commercial or institutional buildings, each containing minimum of 10,000 ft² of protected area or greater.
2. The Contractor further warrants that the aforesaid subcontractor has trained personnel, instruments, tools, and equipment to perform the installation specified.
3. The Contractor also warrants that the aforesaid installer has been in business performing services of the nature specified herein for at least five years.
4. Provide a certificate of competency as issued by the Georgia State Fire Marshal's Office.
- B. Conform to UL and FM requirements.
- C. Valves: Bear UL and FM label or marking. Provide manufacturer's name and pressure rating marked on valve body.
- D. Products Requiring Electrical Connection: Listed and classified as suitable for the purpose specified and indicated.
- 1.5 DELIVERY, STORAGE, AND PROTECTION**
- A. Deliver and store valves in shipping containers, with labeling in place.
- B. Provide temporary protective coating on cast iron and steel valves.
- C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.
- 1.6 EXTRA MATERIALS**
- A. Provide additional materials as provided in these specifications and by NFPA.
- PART 2 PRODUCTS**
- 2.1 GENERAL SYSTEM AND PRODUCT REQUIREMENTS**
- A. Sprinkler Systems: Conform work to NFPA 13.
- B. Standpipe and Hose Systems: Conform to NFPA 14.
- C. Welding Materials and Procedures: Conform to ASME Code.
- D. Building is light hazard, ordinary hazard group, and extra hazard group. Pipe sizes shall be hydraulically calculated based upon flow test to be performed by the Contractor.
- E. Provide hydraulic calculations over the most remote 1500 square feet providing density required for hazard as indicated in NFPA 13. Minimum discharge pressure shall be 2.0 PSI. Minimum residual pressure at city water main in the street shall be 20.0 PSI. Provide 10.0 PSI minimum safety margin in hydraulic calculations at design point. Design area reduction per NFPA 13 is not allowed.
- F. Basis of design: Contractor shall perform, or have performed, at the same time, a Fire Flow and Twenty Four Hour Static Test to assure flow equals or exceeds specified basis of design flow rate prior to preparing shop drawings, installing system or performing calculations. Prepare calculations based on confirmed flow data or basis of design flow data, whichever is lowest. Flow test shall be performed in accordance with NFPA 13 and Rules and Regulations of Safety Fire Commissioner, O.C.G.A. Chapter 120-3-3. Modify flow test if required due to system residual. If pressure recorded in 24 hour test is lower than flow test pressures for one hour, duration to lowest flow test pressure.
- G. No pipe shall be routed above electrical panels and equipment as required by National Electrical Code, on control side or beneath suspended mechanical equipment except where specifically required by Code, in which case, provisions shall be made for service access.
- H. Inspectors test connection(s) shall discharge to the outside of the building in location(s) acceptable to the Architect.
- I. Inside auxiliary drains, if needed, shall discharge in location(s) acceptable to the Architect. Drain and test connection piping, if in finished space, shall be installed concealed.
- 2.2 BURIED PIPING**
- A. Refer to Civil plans and specifications for piping type.
- 2.3 ABOVE GROUND WET SYSTEM PIPING**
- A. Steel Pipe: ASTM A 795 Schedule 10 or ASTM A 53 Schedule 40, black. Piping 2" and smaller shall be threaded. Piping 2 1/2" and larger shall be grooved with rigid couplings.
1. Cast Iron Fittings: ASME B16.1, flanges and flanged fittings and ASME B16.4, threaded fittings.
2. Malleable Iron Fittings: ASME B16.3, threaded fittings and ASTM A 47/A 47M.
3. Mechanical Grooved Couplings: Rigid malleable iron housing clamps to engage and lock, "C" shaped elastomeric sealing gasket, steel bolts, nuts, and washers; galvanized for galvanized pipe. Reducing couplings are NOT allowed.
- 2.4 PIPE HANGERS AND SUPPORTS**
- A. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
- B. Hangers for Pipe Sizes 2-inches and Over: Carbon steel, adjustable, clevis.
- C. Multiple or Trapeze Hangers: Steel channels with welded spacers and hanger rods.
- D. Vertical Support: Steel riser clamp.
- E. Floor Support: Cast iron adjustable pipe saddle, lock nut, nipple, floor flange, and concrete pier or steel support.
- F. Provide support for any vertical pipe 36" in length or greater except ammeters. Provide supports 12"-0" O.C. maximum or at floor levels.
- G. Threaded rods shall NOT be bent. Bending is permitted only in unthreaded sections of hanger rods. Bending shall occur as close to the hanger as possible. Provide a swivel assembly if required.
- 2.5 GATE VALVES**
- A. Up to and including 2 inches:
1. Manufacturers:
- a. Nibco Scott; Product T-104-0
 - b. Jenkins; Product 275U
 - c. Hammond; Product 1B681
 - d. Stockham; Product B-133
 - e. Kennedy; Product Fig. 66
2. Bronze body, bronze trim, rising stem, handwheel, solid wedge or disc, threaded ends.
- B. Over 2 inches:
1. Manufacturers:
- a. Nibco Scott; Product F-607-OTS
 - b. Crane; Product 467
 - c. Jenkins; Product 825-A
 - d. Hammond; Product 1R154
 - e. Stockham; Product G-634
 - f. Kennedy; Product Fig. 68
2. Iron body, bronze trim, rising stem pre-grooved for mounting tamper switch, handwheel, OS&Y, solid rubber covered bronze or cast iron wedge, flanged ends.
- 2.6 GLOBE VALVES**
- A. Bronze body, rubber disc, union bonnet, 174 W.W.P., threaded ends.
- B. Up to and including 2 inches:
1. Manufacturers:
- a. Nibco-Scott; Product KT-65
 - b. Kennedy; Product 9750
 - c. United; Product 125S
 - d. Fairbanks; Product 4691-3
- 2.7 ANGLE VALVES**
- A. Bronze body, rubber disc, union bonnet, 174 non-shock cold water, threaded ends.
- B. Up to and including 2 inches:
1. Manufacturers:
- a. Nibco-Scott; Product T-301-W
 - b. Kennedy; Product 9850
 - c. United; Product 126S
 - d. Fairbanks; Product 4691-3
- 2.8 BUTTERFLY VALVES:** Not allowed.
- 2.9 CHECK VALVES**
- A. Iron body, UL Listed– F.M. Approved, swing type, bronze trimmed, bronze seat and disc, flanged ends.
- B. Manufacturers:
- 1. Jenkins; Product 629
 - 2. Crane; Product 375
 - 3. Stockham; Product G-939

- 2.2 SPRINKLERS**
- A. Tyco and affiliates, Automatic Sprinkler, Reliable, Viking.
- B. All sprinklers installed shall be by the same manufacturer.
- C. Contractor shall select temperature ratings in accordance with NFPA 13, paragraph 8.3.2.
- D. Suspended Ceiling Type: Recessed pendant type with matching flush push on escutcheon plate.
1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick Response Glass bulb type temperature rated for specific area hazard.
- E. Gypsum Board Ceiling Type: Concealed pendant type with matching push on escutcheon plate.
1. Finish: Brass.
2. Escutcheon Plate Finish: Enamel, Verify color with architect.
- F. Eased Area Type: Standard upright type.
1. Finish: Brass.
2. Fusible Link: Quick Response Fusible solder link type temperature rated for specific area hazard.
- G. Sidewall Type: Standard horizontal sidewall type with matching flush push on two piece escutcheon plate.
1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick Response Fusible solder link type temperature rated for specific area hazard.
- H. Guards: Finish to match sprinkler finish.
- 2.3 REFERENCES**
- A. Dry Pipe Sprinkler Alarm Valve: Check type valve with divided seat ring, rubber faced clapper to automatically actuate water motor alarm and electric alarm, with test and drain valve.
- B. Water Motor Alarm: Hydraulically operated impeller type alarm with aluminum alloy chrome plated gong and motor housing, nylon bearings, and inlet strainer. By same manufacturer as Alarm Valve.
- C. Electric Alarm: Electrically operated chrome plated gong with pressure alarm switch.
- D. Water Flow Switch: Vane type switch for mounting horizontal or vertical, with two contacts; rated 10 amp at 125 volt AC and 2.5 amp at 24 volt DC. Notifier, Simplex, Potter, Grinnell.
- E. Tamper Switch: Switch designed for installation on indicator valves with cased aluminum housing with red finish. Notifier, Simplex, Potter, Grinnell.
- F. Fire Department Connections: Elkhart, Croker Standard, Potter Roemer.
1. Type: Free standing type with ductile iron pedestal chrome plated finish.
2. Outlets: Two way with thread size to suit fire department hardware; threaded dust cap and chain of matching material and finish.
3. Drain: 3/4 inch automatic drip, outside.
4. Label: "Sprinkler – Fire Department Connection".
- 2.4 PART 3 EXECUTION**
- 3.1 PREPARATION**
- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and foreign material, from inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.
- D. Storage: All piping shall be stored above ground and protected to prevent dirt and debris from entering pipe.
- 3.2 INSTALLATION**
- A. Install sprinkler system and service main piping, hangers and supports in accordance with NFPA 13 and these specifications.
- B. Install standpipe piping, hangers, and supports in accordance with NFPA 14.
- C. Install post indicator valve (PIV) upstream of backflow device.
- D. Route piping in orderly manner, plumb and parallel to building structure. Maintain gradient.
- E. Install piping to conserve building space, to not interfere with use of space and other work.
- F. Group piping whenever practical at common elevations.
- G. All piping shall be installed above ceilings in a concealed manner except where no ceilings are present.
- H. Sleeve pipes passing through partitions, walls, and floors.
- I. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- J. Reducing Tees: Weld-on threaded outlet tees and Couplet-300 by Bonney Forge Division of Energy Products Group, Central Sprinkler 701, "TE-LET" 300 by Merit Manufacturing Corp., NAF300 by North Alabama Pipe Corp., F400 by Grinnell Corp. may be used for side outlet reducing tees more than two pipe sizes smaller than main. Discs shall be retrieved and connected to pipe at point of cutting. Cutting shall comply with NFPA 13, Chapter 6.5.2.
- K. Couplings may be used on gridded systems at only one end of each gridded branch line or on 2 1/2" or larger riser pipe to 2" or smaller branch line to facilitate connection provided that the coupling is connected to piping by a cut groove. Rolled grooves are not acceptable.
- L. Pipe Hangers and Supports:
- 1. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
 - 2. Place hangers within 12 inches of each horizontal elbow.
 - 3. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
 - 4. Support vertical piping at every floor. Support riser piping independently of connected horizontal piping.
 - 5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.
 - 6. Slope piping and drainage systems to drain at low points. Use eccentric reducers to maintain top of pipe level.
 - 7. Prepare pipe, fittings, supports, and accessories for finishing. Where pipe support members are welded to structural building framing, scrape, brush clean, and apply one coat of zinc rich primer to welding.
 - 8. Do not penetrate building structural members unless indicated.
 - 9. Provide sleeves when penetrating floors and walls. Seal pipe and sleeve penetrations to achieve fire resistance equivalent to fire separation required.
 - 10. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, union, and couplings for servicing are consistently provided.
 - 11. Re-cut threaded joints with full cut standard taper pipe threads with red lead and linseed oil or other non-toxic joint compound applied to male threads only.
 - 12. Install valves with stems upright or horizontal, not inverted. Remove protective coatings prior to installation.
 - 13. Provide gate valves for shut-off or isolating service. No valve shall be installed with the centerline, if horizontal, or wheel, if vertical, more than 9"-0" AFT.
 - 14. Provide drain valves at main shut-off valves, low points of piping and apparatus.
- 3.3 CLEANING AND PROTECTION**
- A. All materials, equipment and mechanical rooms shall be cleaned prior to the Final Inspection.
- B. Wash down and scrub clean all mechanical room floors, walls, equipment bases and equipment.
- C. Paint equipment where finish has been damaged requiring refloating of finish to match factory finish.
- D. Chipped or scraped paint shall be retouched to match original finish.
- E. All dents and sags in equipment casing shall be straightened.
- F. All equipment, pipe, pipe fittings and appurtenances shall be free of rust and stains prior to substantial completion.
- 3.4 FINISHING EQUIPMENT AND MATERIAL**
- A. Use paint systems specified in Division 9 for the substrates to be finished.
- B. Paint shop-primer equipment.
- C. Re-install electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.
- D. Paint all exposed pipes, unless otherwise indicated.
- E. All ferrous fasteners and hanger supports not having a corrosion resistant plated finish shall be painted to prevent rust.
- F. Paint all equipment, including that which is factory-finished, exposed to weather or to view on the roof and outdoors.
- G. Paint all exposed un-insulated ferrous materials.
- END OF SECTION**

- 3.5 SPRINKLER SYSTEMS**
- A. Cast iron base, top section, & cap; malleable iron wrench and locking device; steel stem; cast iron coupling; bronze target holder with aluminum "shut" and "open" targets; Underwriters Laboratories listed, and Factory Mutual approved; available for varying trench depth; and with adjustable depth features.
- B. Manufacturers:
- 1. Kennedy Fig. Series 741
 - 2. Nibco NIP-1
 - 3. Stockham G-951
 - 4. Mueller A-2084
- C. **2.1 UNDERGROUND GATE VALVES**
- A. 2 1/2-inch and larger, iron body, non-rising stem, bronze stem, iron mounted disc with bronze rings, cast iron 2-inch square operating nut, flange ends, AWWA spec. C-500.
- B. Manufacturers:
- 1. Kennedy Fig. 701X
 - 2. Nibco F-609
 - 3. Stockham G-635
 - 4. Mueller A-2075-20
 - 5. M & H Fig. 3067
- 2.2 INDICATOR POSTS**
- A. Cast iron base, top section, & cap; malleable iron wrench and locking device; steel stem; cast iron coupling; bronze target holder with aluminum "shut" and "open" targets; Underwriters Laboratories listed, and Factory Mutual approved; available for varying trench depth; and with adjustable depth features.
- B. Manufacturers:
- 1. Kennedy Fig. Series 741
 - 2. Nibco NIP-1
 - 3. Stockham G-951
 - 4. Mueller A-2084
- 2.3 REFERENCES**
- A. Tyco and affiliates, Automatic Sprinkler, Reliable, Viking.
- B. All sprinklers installed shall be by the same manufacturer.
- C. Contractor shall select temperature ratings in accordance with NFPA 13, paragraph 8.3.2.
- D. Suspended Ceiling Type: Recessed pendant type with matching flush push on escutcheon plate.
1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick Response Glass bulb type temperature rated for specific area hazard.
- E. Gypsum Board Ceiling Type: Concealed pendant type with matching push on escutcheon plate.
1. Finish: Brass.
2. Escutcheon Plate Finish: Enamel, Verify color with architect.
- F. Eased Area Type: Standard upright type.
1. Finish: Brass.
2. Fusible Link: Quick Response Fusible solder link type temperature rated for specific area hazard.
- G. Sidewall Type: Standard horizontal sidewall type with matching flush push on two piece escutcheon plate.
1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick Response Fusible solder link type temperature rated for specific area hazard.
- H. Guards: Finish to match sprinkler finish.
- 2.4 PART 3 EXECUTION**
- 3.1 PREPARATION**
- A. Install in accordance with referenced NFPA design and installation standard and these specifications.
- B. Sprinklers shall be in line with and centered between down lights unless shown otherwise.
- C. Install equipment in accordance with manufacturer's instructions.
- D. Each floor of multi story buildings shall be zoned.
- E. All dry system piping shall be galvanized down stream of dry valve.
- F. Install buried shut-off valves in valve box. Provide post indicator.
- G. Provide approved double detector assembly at sprinkler system water source connection.
- H. Locate fire department connection within forty (40'-0") feet of nearest fire hydrant and with sufficient clearance from walls, obstructions, or adjacent siamese connectors to allow full swing of fire department wrench handle.
- I. Locate outside alarm gong on building wall at piping entrance to building.
- J. Place pipe runs to minimize obstruction to other work.
- K. Place piping in concealed spaces above finished ceilings.
- L. Center sprinklers in two directions in ceiling tile and provide piping offsets as required.
- M. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.
- N. Where sprinklers are required under rectangular duct, the centerline of the sprinkler shall be minimum 6" under duct.
- O. Install air compressor on vibration isolators.
- P. Flush entire piping system of foreign matter.
- Q. Hydrostatically test entire system.
- R. Require test be witnessed by Fire Marshall.
- S. All drain piping shall discharge to the outside 6" maximum above grade unless noted otherwise.
- T. Where sprinklers are required under oval or round duct, the centerline of the sprinkler shall be under the centerline of the duct.
- 3.2 INTERFACE WITH OTHER PRODUCTS**
- A. Ensure required tamper and flow devices are installed and connected as required to fire alarm system including but not limited to floor control valves, alarm check valve, elevator shaft isolation valve, Post Indicator Valve (PIV) and backflow device valves.
- 3.3 SCHEDULES**
- A. System Hazard Areas:
- 1. Office & Public Areas, Residential Living Areas, and similar occupancies – Light Hazard Design; 0.10 GPM/sq. ft. over the most remote 1500 square foot.
 - 2. Building Service Areas, Electrical Equipment Rooms, General Storage Areas, Mechanical Equipment Rooms, and similar occupancies – Ordinary Hazard Group 1 Design; 0.15 GPM/sq.ft. over the most remote 1500 square foot.
- END OF SECTION**

NEWTON CO HISTORIC JAIL RENOVATION

1177 STALLINGS STREET
COVINGTON, GEORGIA

KEY NOTES (THIS SHEET ONLY):

① ROUTE SEWER AND WATER PIPES AT CRAWL SPACE.

Rooms and their sizes:

- OPEN ROOM [108]
- SHARED CONFERENCE [109]
- RECEPTION [112]
- FOYER [101]
- COLLABORATION ROOM 2 [107]
- JANITOR [106] 21 SF
- ELECTRICAL/MDF [114] 46 SF
- COPY AREA/OPEN WORK AREA [105]
- CORRIDOR 1
- RESTROOM [103]
- LAV RESTROOM [102]
- WC1
- WC2
- OFFICE [110] 123 SF
- OFFICE [111] 116 SF

Pipe and venting details:

- 4" SEWER
- 3" SEWER RISER
- 2" VENT UP TO SECOND FLOOR
- 2"
- 4"
- 2"
- 4"
- 2"
- 3"
- SWVT

Staircases and directions:

- UP
- DN
- UP

1 LEVEL 1 PLUMBING PLAN - SE
SCALE: 1/4"=1'-0"

2 LEVEL 1 PLUMBING PLAN - WATER
SCALE: 1/4"=1'-0"

Drawn By **Checked By**
KMP KMP

Date	Job No.
05-16-2025	24004

Sheet Title

LEVEL 1 - PLUMBING PLANS

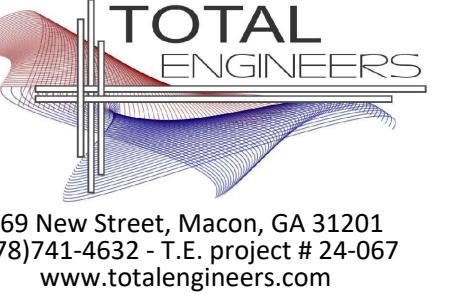
Sheet No

Sheet No. **D-1-2**

P-1.0

ALPHA BLDG SET 10-06-2025

P-1.0



TOTAL ENGINEERS

9 New Street, Macon, GA 31201
(741-4632 - T.E. project # 24-067

REVIEW SET NOT FOR CONSTRUCTION

This architectural floor plan illustrates a building section with the following key features and room labels:

- Staircase:** A central staircase is located on the left side, with "UP" and "DN" (Down) arrows indicating the direction of travel.
- Rooms:** The plan includes several rooms labeled with room numbers and descriptions:
 - HISTORIC JAIL [206]:** A large room at the top right.
 - OPEN ROOM [205]:** A room on the second floor with a "UP" arrow.
 - RESTROOM [204]:** A room containing a "WC1" (Water Closet).
 - OFFICE [202]:** A room on the second floor to the right of the restroom.
 - OFFICE [203]:** A room on the first floor to the left of the staircase.
 - COLLABORATIVE OPEN OFFICE AREA [201]:** A room on the first floor to the right of the staircase.
 - COPY [200]:** A room at the bottom center.
- Equipment:** The plan shows various pieces of equipment and fixtures:
 - A "3" VTR" (Video Tape Recorder) is located in the Open Room [205].
 - A "LAV" (Latrine) is located in the Restroom [204].
 - A "DN" (Down) arrow is located near the staircase.
- Walls:** The plan shows multiple exterior walls and interior partitions.
- Key:** A key in the top right corner indicates "ROUTE S" and "KEY NOT TO SCALE".

KEY NOTES(THIS SHEET ONLY):

This architectural floor plan illustrates a building section with the following key features and room labels:

- HISTORIC JAIL [206]**: Located in the upper right, this room contains a dashed grid pattern.
- OPEN ROOM [205]**: A large room with an "UP" access point.
- RESTROOM [204]**: Contains a "LAV" (sink) and a "WC1" (toilet). It includes a "1/2" thick wall section.
- OFFICE [202]**: Located to the right of the restroom.
- OFFICE [203]**: Located in the lower left.
- COLLABORATIVE OPEN OFFICE AREA [201]**: A large room on the right side.
- COPY [200]**: A room located at the bottom center.
- DN**: A dashed rectangular area in the center.
- UP**: Access points are marked with "UP" labels.
- 1/2"**: A dimension line indicating a wall thickness of $1/2$ inches.

The plan also shows various door locations, windows, and structural elements like stairs and beams.

1 LEVEL 2 PLUMBING PLAN - SEW
SCALE: 1/4"=1'-0"

2 LEVEL 2 PLUMBING PLAN - WATER
SCALE: 1/4"=1'-0"

Drawn By KMP	Checked By KMP
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Date	Job No.
05-16-2025	24004
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LEVEL 2 - PLUMBING PLANS

Sheet No

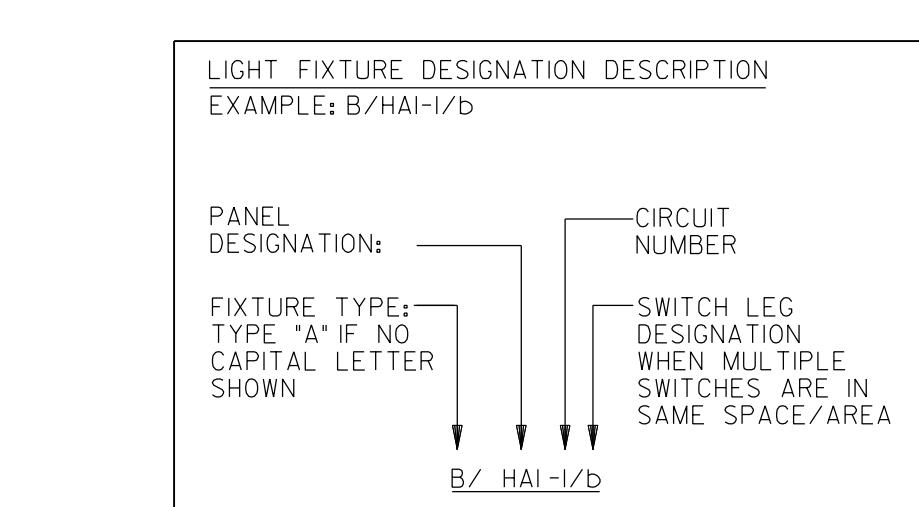
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ALPHA BLDG SET 10-06-2025

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ELECTRICAL SPECIFICATIONS	
DIVISION 26	ELECTRICAL
SECTION A: GENERAL ELECTRICAL REQUIREMENTS	<p>I. THESE PLANS AND SPECIFICATIONS APPLY TO NEWTON COUNTY HISTORIC JAIL RENOVATION, CONVINGTON, GEORGIA. THE WORK DESCRIBED BY THESE PLANS AND SPECIFICATIONS IS TO BE CONSIDERED AS BEING APPROVED. THESE PLANS MAY NOT BE MODIFIED OR REUSED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.</p> <p>2. ALL WORK SHALL BE PERFORMED BY LICENSED ELECTRICAL CONTRACTOR WITH MINIMUM OF 10 YEARS OF EXPERIENCE, JUST AS PREVIOUS JOBS, AND REFERENCES SHALL BE MADE AVAILABLE UPON REQUEST. THE CONTRACTOR SHALL PROVIDE EQUIVALENT INSURANCE FOR PERSONNEL AND SHALL REPAIR ANY DAMAGE OCCURRING AS THE RESULT OF THE PROJECT SITE AND RELATED PROPERTY.</p> <p>3. WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER IN ACCORDANCE WITH THE 2023 NATIONAL ELECTRICAL CODE, LIFE SAFETY CODE NFPA 101A, ADA CODE, GA ACCESSIBILITY CODE, STATE OF GEORGIA ENERGY CODE AND ALL OTHER APPLICABLE CODES AND ORDINANCES.</p> <p>4. ALL PERMITS AND FEES SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.</p> <p>5. ALL EQUIPMENT, MATERIAL, AND DEVICES SHALL BE LISTED OR RECOGNIZED BY UNDERWRITERS LABORATORY, UL, CSA, OR EQUIVALENT. TESTING LABORATORY AND USED AND INSTALLED IN ACCORDANCE WITH ITS LISTING.</p> <p>6. ALL WORK PERFORMED SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE FINAL COMPLETION DATE EXCEPT FOR FUSES AND LAMPS IN LIGHT FIXTURES. UPON IDENTIFICATION OF A PROBLEM, THE CONTRACTOR SHALL INVESTIGATE THE PROBLEM WITH THE OWNER UNLESS THE CONTRACTOR IS ADVISED BY THE OWNER TO DO OTHERWISE. THE CONTRACTOR SHALL INVESTIGATE, REPAIR, OR REPLACE ALL FAULTY EQUIPMENT WITHIN A REASONABLE TIME PERIOD WITHOUT CHARGE TO THE OWNER.</p> <p>7. THE CONTRACTOR IS PROVIDED WITH THE DRAWINGS AND SPECIFICATIONS FOR THE PROJECT SITE. THE CONTRACTOR SHALL OBTAIN THE ITEM DESCRIBED, INSTALL ITEM AS ACCORDING WITH THESE PLANS, SPECIFICATIONS, AND MANUFACTURER'S RECOMMENDATIONS.</p> <p>8. ALL PENETRATIONS MADE IN FIRE-RESISTANT BUILDING PORTIONS SHALL BE SEALED WITH A LISTED RESISTANT MATERIAL SUITABLE FOR THE APPLICATION.</p> <p>9. ALL INSTALLATIONS OF ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.</p> <p>10. LAMPS ARE DIAGRAMATIC AND SHOW THE LOCATION OF THE EQUIPMENT, RACEWAY AND FIXTURES. LAMPS ARE NOT TO BE SCALLED. ALL DIMENSIONS SHALL BE VERIFIED AT THE BUILDING SITE.</p> <p>II. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EQUIPMENT AND DEVICE LOCATIONS WITH OWNER'S PROJECT MANAGER PRIOR TO INSTALLATION.</p> <p>12. EQUIPMENT BREAKER AND WIRING REQUIREMENTS: THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL BY THE CONTRACTOR AND WIRING REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT REQUIRING POWER AS SPECIFIED IN DIVISION 26. REQUIREMENTS SHALL BE IDENTIFIED BY HORSEPOWER OR KW, OPERATING AMPEREAGE, REQUIRED VOLTAGE AND PHASE REQUIREMENTS, AND MANUFACTURER'S SUGGESTED OVERCURRENT CIRCUIT PROTECTION. THE CONTRACTOR SHALL SUBMIT A SEPARATE SHEET FOR MECHANICAL EQUIPMENT REQUIREMENTS. SUBMITTED FOR MECHANICAL EQUIPMENT DIFFERS FROM THE BRANCH CIRCUITY SHOWN ON THE ELECTRICAL DRAWINGS, WHEN USING THE DESIGN UNITS, THE CONTRACTOR SHALL SUBMIT A SEPARATE SHEET FOR EACH UNIT OF THE SAME FROM LISTED ALTERNATE MANUFACTURERS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS TO THE BRANCH CIRCUITY FOR THE CURRENT NEEDS. ADDITIONAL COSTS TO THE OWNER WHEN CHANGES ARE MADE TO POWER REQUIREMENTS SHALL BE BILLED TO THE CONTRACTOR. THE CONTRACTOR PROPOSES VALUE ENGINEERING CHANGES TO EQUIPMENT, THE COST MUST BE INCLUDED IN THE VALUE ENGINEERING OVERALL CHANGE ORDER COSTS. COSTS DUE TO ADJUSTMENTS IN BRANCH CIRCUITY SHALL BE BILLED TO THE OWNER. THE CONTRACTOR SHALL SUBMIT A BILL AFTER THE OVERALL VALUE ENGINEERING CHANGE ORDER HAS BEEN APPROVED IN ALL CASES, BREAKER AND WIRING REQUIREMENTS FOR MECHANICAL EQUIPMENT MUST BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT THE DRAWINGS FOR THE ELECTRICAL DISTRIBUTION GEAR OR EQUIPMENT. IN NO CASE SHALL THE ELECTRICAL DISTRIBUTION GEAR OR EQUIPMENT BE ORDERED OR BRANCH CIRCUITY ROUGHED IN PRIOR TO ENGINEER REVIEW AND COMMENT ON THIS DOCUMENT. ANY EQUIPMENT ORDERED ON BRANCH CIRCUITY ROUGHED IN ON THE JOB SITE WITHOUT THIS REVIEW AND COMMENT WILL BE TOTALLY AT THE CONTRACTOR'S RISK.</p>
SECTION B: BASIC MATERIALS	<p>I. ALL CONDUCTORS USED FOR 600 VOLTS OR LESS SHALL BE HIGH GRADE COPPER CONDUCTORS WITH 75 DEGREE C, THIN OR THINNISH THERMOPLASTIC INSULATION. ALL CONDUIT SHALL BE RATED FOR THE LOCATIONS. CONDUCTORS ROUTED IN UNDERGROUND CONDUIT SHALL BE RATED FOR THE LOCATIONS.</p> <p>2. ALL INTERIOR 120/277 VOLT, 20 AMP POWER AND LIGHTING WIRING SHALL BE INSTALLED IN ELECTRICAL METAL TUBING OR "MC" CABLE. IF NOT EXPOSED, ALL INTERIOR CIRCUITS SHALL BE RATED FOR 100% OF THE AMPS. IF EXPOSED, THE CIRCUIT SHALL BE IN 3/4 IN. ENR. POWER CIRCUIT OR HVAC EQUIPMENT. SHALL BE IN 3/4" ELECTRICAL METAL CONDUIT. ALL CONDUIT SHALL BE SUPPORTED FROM DUCTWORK, PIPING, CEILING GRID OR CEILING JOISTS. ALL CONDUIT SHALL BE RIGID. ALL CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC. CONDUIT IN EXPOSED STRUCTURE AREAS SHALL BE EMT, GALVANIZED RIGID STEEL CONDUIT SHALL BE USED IN AREAS WHERE IT WILL BE EXPOSED TO MECHANICAL DAMAGE. CONDUIT SHALL BE RIGID.</p> <p>3. CONDUIT UNDERGROUND SHALL BE SCHEDULE 40 PVC. IF MORE THAN ONE CONDUIT IS PROVIDED IN A SINGLE TRENCH, THE CONDUIT SHALL BE RACKED WITH SPACERS EVERY FOUR FEET TO MAINTAIN A MINIMUM SPACING BETWEEN CONDUITS OF TWO INCHES. CONDUIT USES IN THE TRENCH SHALL BE SECURELY SUPPORTED FROM FOREIGN MATTER, WHERE EXPOSED TO WEATHER, CONDUIT SHALL BE GALVANIZED RIGID STEEL OR INTERMEDIATE METAL CONDUIT. THE CONDUIT SHALL BE SUPPORTED WITH LISTED FITTINGS. CONDUIT SHALL BE SMOOTH, ALL CONDUIT ENDS IN BOXES SHALL BE PROVIDED WITH INSULATED BUSHINGS.</p> <p>4. A #12 INSULATED COPPER GROUND CONDUCTOR SHALL BE INCLUDED IN ALL BRANCH CIRCUITS RATED 20 AMPERES. ALL OTHER CIRCUITS AND FEEDERS WILL BE PROVIDED WITH A #12 GROUND CONDUCTOR SIZED AS NEEDED OR IN ACCORDANCE WITH THE NEC, WHICHEVER IS GREATER.</p> <p>5. THE MINIMUM SIZE OF ALL CONDUCTORS NOT OTHERWISE INDICATED IS #12 AND THE MINIMUM SIZE OF ALL CONDUIT UNLESS OTHERWISE INDICATED IS 1/2 IN.</p> <p>6. ALL JUNCTION BOXES SHALL BE PROVIDED WITH COVERS AND ALL UNUSED OPENINGS SHALL BE PLUGGED. ALL JUNCTION BOXES SHALL BE SECURELY SUPPORTED FROM STRUCTURE. COVERS ON BOXES SHALL BE LABELED WITH THE CIRCUIT NUMBER WITH A BLACK PERMANENT MARKER IN 3/4 IN. HIGH LETTERS (LEGIBLE HANDWRITTEN LETTERING IS ACCEPTABLE).</p> <p>7. ALL OUTLET BOXES SHALL BE SQUARE METAL BOXES. PROVIDE PLASTER RINGS FOR ALL OUTLET BOXES CONTAINING DEVICES TO PROVIDE A FIRM MOUNTING SUPPORT FOR THE DEVICE.</p> <p>8. ALL CONVENIENCE RECEPTACLES SHALL BE SPECIFICATION GRADE 20 AMP RECEPTACLES. OWNER TO SELECT COLOR TAMPER RESISTANT (TYPE "TR").</p> <p>9. ALL LIGHT SWITCHES SHALL BE SPECIFICATION GRADE 20 AMP TOGGLE SWITCHES FULL LOAD RATED FOR 120/277 VOLTS.</p> <p>10. PROVIDE REMOTE ANNUNCIATOR PANELS AS SHOWN ON PLANS. THE ANNUNCIATOR PANELS SHALL BE PROVIDED WITH ALL LCD DISPLAY AND COMPLETE CONTROL PUSH BUTTONS INCLUDING, BUT NOT LIMITED TO, ALARM ACKNOWLEDGE, ALARM SILENCE, RESET, ETC.</p> <p>11. PROVIDE PHOTO ELECTRIC TYPE DUCT MOUNTED SMOKE DETECTORS WHERE SHOWN IN HVAC SYSTEMS. THE SMOKE DETECTORS SHALL BE LISTED FOR THE WIDTH OF THE DUCT. PROVIDE REMOTE INDICATOR ACCESSIBLE IN NEAREST MECH/ELEC ROOM FOR EACH DETECTOR, WHICH WILL INDICATE WHICH DETECTOR IS ACTIVATED.</p> <p>14. SEE FIRE ALARM SUBCONTRACTOR SUBMITTAL REQUIREMENTS TO AUTHORITY HAVING JURISDICTION ON SHEET E-12 FOR ADDITIONAL REQUIREMENTS. FIRE ALARM SUBCONTRACTOR RESPONSIBLE FOR ALL ADDITIONAL DEVICES AND EQUIPMENT AS REQUIRED TO MEET ALL NFPA, IBC, GEORGIA STATE, AND LOCAL CODES.</p>
SECTION C: DISTRIBUTION EQUIPMENT	<p>I. CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUIT FOR ALL FEEDERS IN ACCORDANCE WITH THE PLANS.</p> <p>2. SEPARATELY MOUNTED CIRCUIT BREAKERS SHALL BE MOUNTED IN NEMA TYPE I ENCLOSURES IN INDOOR APPLICATIONS AND IN NEMA 3R ENCLOSURES IN EXTERIOR OR WET LOCATIONS. ALL CIRCUIT BREAKER ENCLOSURES SHALL BE PROVIDED WITH HINGED COVERS AND GROUNDS FOR PARTS. THE COVERS SHALL BE PROVIDED.</p> <p>3. ALL EQUIPMENT CONTAINING MOTORS SHALL BE PROVIDED WITH A DISCONNECTING MEANS SHALT BE EMT, GALVANIZED RIGID STEEL, USES A 1/2" TO 1" DOLLE STARTER SIZE TO MATCH THE EQUIPMENT. PROVIDED OTHER DIMES AS NOTED ON THE PLANS, PROVIDE NEMA TYPE I ENCLOSURES INDOORS AND NEMA 3R OUTDOORS.</p> <p>4. PROVIDE GFCI CIRCUIT BREAKERS AND RECEPTACLES AS INDICATED ON THE PLANS AND IN THESE SPECIFICATIONS. THESE DEVICES SHALL BE CLASS A GFCI DEVICES.</p>



Provide all branch circuit conduit/conductors as necessary to connect all devices shown on the circuit. Provide dedicated neutrals for all circuits, (stripped neutral with phase color striping).

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER
A	2 FT X 2 FT, RECESSED LOW PROFILE ARCHITECTURAL TROFFER WITH ACRYLIC CENTER LENS AND MATTE WHITE POWDER PAINT REFLECTOR; STANDARD 0-10 DIMMING. LAMPS: LED, 4000 LUMENS MINIMUM, 33 WATTS, 3000 DEGREE K DRIVER: UNV.VOLT	METALUX "CRUZE ST" SER., LITHONIA "BLT" SER., COLUMBIA "LCAT" SER.
A2	2 FT X 2 FT, RECESSED LOW PROFILE ARCHITECTURAL TROFFER WITH ACRYLIC CENTER LENS AND MATTE WHITE POWDER PAINT REFLECTOR; STANDARD 0-10 DIMMING. LAMPS: LED, 4800 LUMENS MINIMUM, 43 WATTS, 3000 DEGREE K DRIVER: UNV.VOLT	METALUX "CRUZE ST" SER., LITHONIA "BLT" SER., COLUMBIA "LCAT" SER.
B	COMMERCIAL GRADE DOWNLIGHT, RECESSED SELF FLANGED, 6 IN. ROUND APERTURE, SPECULAR REFLECTOR FINISH; ACCESS FROM BELOW OR ABOVE CEILING; STANDARD 0-10 DIMMING. LAMPS: LED, 1500 LUMENS, 15 WATTS, 3000 DEGREE K DRIVER: UNV.VOLT	HALO COMMERCIAL "H6" SER., LITHONIA "FLD" SER., PRESCOLITE "FLR-6RD" SER.
C	ARCHITECTURAL TILT SURFACE MOUNTED CYLINDER, EXTRUDED ALUMINUM HOUSING, 2 1/4 IN. ROUND APERTURE, 35 DEGREE BEAM ANGLE, 300 DEGREE HORIZONTAL / 30 DEGREE VERTICAL AIMING; STANDARD 0-10 DIMMING. COORDINATE FINISH WITH OWNER/ARCHITECT. LAMPS: LED, 500 LUMENS, 5 WATTS, 3000 DEGREE K DRIVER: 120V	ZANEEN "HAUL LIGHT" SER., OR APPROVED EQUAL
D	4 FT LED WALL FIXTURE, NOMINAL 2.4"X4" PROFILE, DIE FORMED STEEL HOUSING, SURFACE MOUNTED HORIZONTAL SECTION MOLDED FROST LENS, 25% URGHLIGHT, 75% DOWNLIGHT; 0-10 DIMMING STANDARD. LAMPS: LED, 4000 LUMENS, 30 WATTS, 3000 DEGREE K DRIVER: UNV.VOLT	CORELITE "CC-404A WALL CTW" SER., OR APPROVED EQUAL
E	ARCHITECTURAL SCONCE, STEEL HOUSING, GLASS SHADE; STANDARD 0-10 DIMMING. PROVIDE DIMMABLE LAMPS FOR FIXTURE. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TOROUGH-IN. LAMPS: LED (1), A19/E26, 20 WATTS MAX, 3000 DEGREE K DRIVER: UNV.VOLT	VISUAL COMFORT & CO "DV11091MBK" OR APPROVED EQUAL
F	SEMI-FLUSH SURFACE MOUNT, STEEL HOUSING, 24 IN. DIAMETER; STANDARD 0-10 DIMMING. PROVIDE DIMMABLE LAMPS FOR FIXTURE. LAMPS: LED (3), G16, 30 WATTS MAX (PER LAMP), 3000 DEGREE K DRIVER: 120V	VISUAL COMFORT & CO "EF1023MBK" OR APPROVED EQUAL
G	ARCHITECTURAL PENDANT, 12 IN. SHADE DIAMETER, METAL SHADE; STANDARD 0-10 DIMMING. COORDINATE FINISH WITH OWNER/ARCHITECT. LAMPS: LED, 300 LUMENS, 7 WATTS, 3000 DEGREE K DRIVER: UNV.VOLT	VISUAL COMFORT & CO "MNP1026 STREET PENDANT" SER., OR APPROVED EQUAL
H	CYLINDRICAL STYLE TRACK HEAD WITH INTEGRAL DRIVER, 60 DEGREE REFLECTOR, SINGLE CIRCUIT, TRACK LENGTH AS SHOWN ON PLANS; STANDARD 0-10 DIMMING. COORDINATE FINISH WITH OWNER/ARCHITECT. LAMPS: LED, 1000 LUMENS (PER HEAD), 16 WATTS (PER HEAD), 3000 DEGREE K DRIVER: UNV.VOLT	ZANEEN "IMAGINE 60" SER., OR APPROVED EQUAL
OA	EXTERIOR ARCHITECTURAL OUTLET TO BE SELECTED; WET LOCATION LISTED. PROVIDE EXTERIOR OUTLET FOR FAUCET ONLY; COST OF INSTALLATION MUST ALSO BE INCLUDED SEPARATELY FROM FAUCET. LAMPS: LED, 30 WATTS MAX, 3500 DEGREE K DRIVER: UNV.VOLT	TBD
OB	LED AREA LIGHT, DIE-CAST ALUMINUM HOUSING, PRECISION ACRYLIC REFRACTIVE LENS; ALUMINUM HEAT SINK; WET LOCATION LISTED; TYPE 3 DISTRIBUTION. PROVIDE 25 FT. SQUARE STEEL POLE; COORDINATE FINISH WITH OWNER. VERIFY COLOR TEMPERATURE WITH OWNER. LAMPS: LED, 17000 LUMENS, 111 WATTS, 4000 DEGREE K DRIVER: UNV.VOLT	LITHONIA "IRSKX" SER., BEACON "VIPER" SER., LUMARK "PRV" SER., OR APPROVED EQUAL
OC	ARCHITECTURAL TRAPEZOID WALL PACK WITH DIE-CAST ALUMINUM HOUSING; TYPE 3 DISTRIBUTION; WET LOCATION LISTED. COORDINATE FINISH WITH OWNER. PROVIDE 90 MINUTE EMERGENCY BATTERY PACK AND WIRE BATTERY IN PARALLEL FOR SWITCHED OPERATION. LAMPS: LED, 4000 LUMENS, 47 WATTS, 4000 DEGREE K DRIVER: UNV.VOLT	LITHONIA "WDE2" SER., MCGRAW "IST" SER., BEACON "TRP1" SER.
OD	LED INTEGRATED THERMOPLASTIC COMBO EXIT/EMERGENCY, IMPACT RESISTANT, SURFACE MOUNTED. HAVING TOP, END, OR BACK MOUNTING STANDARD, UNIVERSAL FIELD SELECTABLE SURFACE DOUBLE FACE, FIELD SELECTABLE RED OR GREEN ILLUMINATION, FIELD SELECTABLE CHEVRONS, WHITE/BLACK ENCLOSURE. (PROVIDE 90 MIN. BACK-UP BATTERY). LAMPS: LED (2), 3 WATTS BALKAST: UNV.VOLT	SURE-LITES "LPK-C" SER., LITHONIA "LHM" SER., COMPASS "CC" SER.
OE	LED 2 HEAD EMERGENCY UNIT, LOW PROFILE CONTEMPORARY DESIGN WITH THERMOPLASTIC HOUSING, IMPACT RESISTANT. (PROVIDE 90 MIN. BACK-UP BATTERY). LAMPS: LED (2), 3 WATTS BALKAST: UNV.VOLT	COMPASS "CZU" SER., LITHONIA "ELM2L" SER., LUMARK "LSC" SER., SERULITES "SEL17" SER., EVENLITE "TCL" SER.
OF	EXTERIOR ARCHITECTURAL STYLED LOW PROFILE LED EMERGENCY LIGHTING UNIT, SELF DISTRIBUTION STYLED WET LOCATION. FULLY GASKETED HOUSING AND -20C TO 50C OPERATING TEMP, PROVIDED WITH POLYCARBONATE REFRACTORY BRONZE / BLACK SELECTED BY ARCHITECT. (PROVIDE 90 MIN. BACK-UP BATTERY). LAMPS: LED, 3 WATTS BALKAST: UNV.VOLT	LITHONIA "AFO" SER., MUL "NAKO" SER., SMC "SML" SER., COMPASS "CLW" SER., ISOLITE "TELED" SER.
OG	NOTES: 1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING. 2. ALL LUMENS LISTED ARE DELIVERED LUMENS. ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 80% OF THE LISTED LUMENS. 3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR/REP. DOES NOT HAVE ONE MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.	
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OO	NOTES: 1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING. 2. ALL LUMENS LISTED ARE DELIVERED LUMENS. ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 80% OF THE LISTED LUMENS. 3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR/REP. DOES NOT HAVE ONE MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.	
OP	NOTES: 1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING. 2. ALL LUMENS LISTED ARE DELIVERED LUMENS. ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 80% OF THE LISTED LUMENS. 3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR/REP. DOES NOT HAVE ONE MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.	
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OS	NOTES: 1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING. 2. ALL LUMENS LISTED ARE DELIVERED LUMENS. ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 80% OF THE LISTED LUMENS. 3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED. WHERE VENDOR/REP. DOES NOT HAVE ONE MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.	
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SECTION E10: FIRE ALARM SUBCONTRACTOR SUBMITTAL REQUIREMENTS TO AUTHORITY HAVING JURISDICTION:

IN ACCORDANCE WITH CHAP. 7, NFPA 72, THE FOLLOWING LIST REPRESENTS THE MINIMUM DOCUMENTATION REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR ALL FIRE ALARM SYSTEMS:

- I. THE PRINTED NAME, SIGNATURE AND COPY OF CURRENT GEORGIA LICENSE OF THE LOW VOLTAGE CONTRACTOR WHO IS SUBMITTING THE FIRE ALARM PLANS FOR REVIEW AND WHO WILL BE RESPONSIBLE FOR INSTALLATION.
2. WRITTEN NARRATIVE PROVIDING INTENT AND SYSTEM DESCRIPTION.
3. A FIRE ALARM RISER DIAGRAM.
4. A CAL-1 DOOR PLAN LAYOUT WITH ROOM NAMES, DOOR LOCATIONS, FIXTURES (DRAWN TO SCALE), DOOR LOCATIONS, SERVICES AND CONTROL EQUIPMENT, DEVICES AND EQUIPMENT SHOWN ON DRAWINGS IS THE MINIMUM REQUIRED, PROVIDE ALL ADDITIONAL DEVICES AND EQUIPMENT AS REQUIRED TO MEET ALL NFPA, IBC, GEORGIA STATE AND LOCAL CODES.
5. THE FIRE ALARM SYSTEM WIRING LAYOUT DESIGN WHICH INCLUDES THE GAUGE(S) OF WIRING INSTALLED.
6. THE SEQUENCE OF OPERATION IN EITHER INPUT/OUTPUT MATRIX OR NARRATIVE FORM.
7. EQUIPMENT TECHNICAL DATA SHEETS FOR ALL COMPONENTS SPECIFIED IN THE FIRE ALARM SYSTEM DESIGN.
8. MANUFACTURERS PUBLISHED INSTRUCTIONS, INCLUDING OPERATION AND MAINTENANCE INSTRUCTIONS.
9. BATTERY CALCULATIONS.
10. A SET OF NAC VOLTAGE DROP/LOAD CALCULATIONS.
- II. SPEAKER WATTAGE AND DECIBEL RATINGS FOR HORN ALARM SYSTEM COMPONENTS.
12. THE CANDELA RATING SHOWN FOR DRAWINGS FOR EACH STROBE/VISUAL DEVICE AND EACH ILLUMINATED EMERGENCY EXIT SIGN FIRE ALARM SYSTEM MUST COMPLY WITH THE GEORGIA STATE AND LOCAL CODES (2010-3-201, LIFE SAFETY CODE NFPA 101) AND THE NATIONAL FIRE ALARM CODE NFPA 72.

GENERAL DEMOLITION SCOPE:

- A. REMOVE EXISTING LIGHTS AND DISPOSE OF AS DIRECTED BY OWNER.
- PROVIDE BLANK COVERS ON ALL JUNCTION BOXES AND OUTLET BOXES.
- B. NOT INTENDED FOR REUSE, PROVIDE BLANK COVERS OVER ANY AND ALL UNCOVERED EXISTING JUNCTION OR OUTLET BOXES.
- C. EXISTING CEILINGS, WALLS, AND FLOORS DISTURBED OR DISFIGURED BY THE ELECTRICAL RENOVATION SHALL BE PATCHED, MENDED OR REPLACED BY TRADES AS APPROPRIATE. IN THIS TYPE OF WORK, RESPONSIBILITY FOR REPAIRS SHALL BE COORDINATED BETWEEN GENERAL CONTRACTOR AND ELECTRICAL SUBCONTRACTOR.
- D. ALL EXISTING EQUIPMENT REMOVED FROM SERVICE AND NOT INTENDED FOR REUSE SHALL REMAIN THE PROPERTY OF OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER.
- E. ALL ACCESSIBLE ITEMS OF ELECTRICAL EQUIPMENT, CONDUITS, WIRING, LIGHTS, RECEPTACLES, ETC., AFFECTED BY THE RENOVATION WORK AND NOT REQUIRED IN THE CONTRACTED WORK SHALL BE CAREFULLY REMOVED, DAMAGED WALLS, FLOORS, CEILINGS, ETC., SHALL BE REPAVED AND REPAINTED. WHICH THE EXISTING ADJACENT SURFACES REMOVED ITEMS SHALL BE PROPERLY DISPOSED OF OFF SITE AND NOT REUSED EXCEPT AS NOTED, TURN OVER ALL EXISTING EQUIPMENT THROUGH THE BUILDING OWNER.
- F. RECONNECT CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT TO REMAIN.
- G. EXISTING EQUIPMENT SHOWN ON ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS THAT WILL REMAIN SHALL HAVE SERVICE MAINTAINED OR RECONNECTED TO EXISTING OR NEW PANELBOARD AS NECESSARY.
- H. TO MAINTAIN SERVICE OR TO EXTEND OR RECONNECT CIRCUITS, WHERE CONDUIT CAN NOT BE CONCEALED, SURFACE METAL RACEWAY (WIREMOLD V700 SERIES PAINTED TO MATCH WALLS) MAY BE USED. VERIFY WITH ARCHITECT BEFORE INSTALLING.
- I. ELECTRICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS AND SITE CONDITIONS FOR DOOR SWINGS, CABINETS, COUNTERS, AND OTHER BUILDING ELEMENTS, THAT MAY REQUIRE RELOCATING OR RECONNECTING EXISTING CIRCUITS. ALL FEEDERS SHALL BE CONCEALED EXCEPT IN MECHANICAL/ELECTRICAL SPACES WITH SURFACE MOUNTED PANELS.

COORDINATION NOTE:

CONTRACTOR SHALL CAREFULLY REVIEW HVAC AND ELECTRICAL DRAWINGS FOR THE BID. ALL EQUIPMENT SHALL BE PROVIDED BY THE BIDDER. NEW EQUIPMENT SHALL BE PROVIDED POWER. ELECTRICAL DRAWINGS SHOW THE MEANS OF PROVIDING POWER, HOWEVER, ALL EQUIPMENT MUST BE POWERED WHEREVER SHOWN ON THE DRAWINGS.

ALL EQUIPMENT MUST BE PROVIDED WITH A DISCONNECTING MEANS PER THE 2023 NEC WHETHER OR NOT SHOWN ON ELECTRICAL DRAWINGS OR DIVISION 23)

ELECTRICAL SPECIFICATIONS

SECTION F: TELEPHONE/DATA SYSTEMS

WORK INCLUDED:

- I. WORK SHALL INCLUDE PROVISIONS FOR A COMPLETE TELEPHONE/DATA CABLING SYSTEM, INCLUDING TELEPHONE/DATA COMBINATION OUTLETS, CABLING, CONDUIT, BOXES, TELEPHONE AND DATA PATCH PANELS, AND PLYWOOD BACKBOARDS.

SCOPE OF PROJECT, STANDARDS, AND DESCRIPTION:

- I. THE CABLING AND WIRING PLACED FOR VOICE AND DATA COMMUNICATIONS ON THIS UNDERTAKING SHALL BE 'UNSHIELDED TWISTED PAIR' TYPE AND CONFORM TO THE REQUIREMENTS CONTAINED IN THE LASTEST EDITIONS OF THE NATIONAL ELECTRIC CODE (NEC) AND THE TESTS CONTAINED IN THE FOLLOWING AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) SPECIFICATIONS:

- A. EIA/TIA-568 COMMERCIAL BUILDING TELECOMMUNICATIONS WIRING.
- B. STANDARD B. EIA/TIA-569 COMMERCIAL BUILDING STANDARD FOR TELECOMM, PATHING, AND LOCAL AREA NETWORKS.
- C. TIA/EIA-606 ADMINISTRATION STANDARD FOR THE TELECOMM, INFRASTRUCTURE OF COMMERCIAL BUILDINGS.
- D. TIA/EIA-607 COMMERCIAL BUILDING GROUNING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS SYSTEMS.
- E. SUPPLEMENTS TO EIA/TIA-568 TECHNICAL SYSTEMS BULLETINS.
- F. TSB-36 ADDITIONAL TRANSMISSION SPECIFICATIONS FOR UNSHIELDED TWISTED PAIR CABLES.
- G. TSB-40 ADDITIONAL TRANSMISSION SPECIFICATIONS FOR UNSHIELDED TWISTED PAIR HARDWARE.

WORKMANSHIP:

- I. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER. ARCHITECT, ENGINEER, AND/OR OWNER MAY OBSERVE THE WORK PROCEDURES AND WORKMANSHIP OF THE CONTRACTOR BUT SUCH OBSERVATION WILL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR PERFORMANCE.

WARRANTY:

- I. THE CONTRACTOR SHALL FURNISH A WRITTEN WARRANTY THAT DESCRIBES THE EQUIPMENT SUPPLIED UNDER THESE SPECIFICATIONS. THE WARRANTY SHALL BE DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF FIVE YEARS, AND THE CABLE PLANT/LABOR WILL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF FIVE YEARS FROM THE DATE OF FINAL ACCEPTANCE UNLESS OTHERWISE SPECIFIED. ANY DEFECTS OCCURRING WITHIN THAT PERIOD SHALL BE CORRECTED IN A TIMELY MANNER AT NO COST TO THE OWNER.

CONTRACTOR'S QUALIFICATIONS:

- I. CONTRACTOR SHALL BE REQUIRED, BEFORE AWARDING OF CONTRACT, TO DEMONSTRATE TO THE COMPLETE SATISFACTION OF THE ARCHITECT THAT HE HAS THE NECESSARY FACILITIES, ABILITY AND FINANCIAL RESOURCES TO EXECUTE THE WORK IN A SATISFACTORY MANNER. THE CONTRACTOR SHALL STATE THAT HE HAS HAD EXPERIENCE IN CONDUCTING WORK OF SAME OR SIMILAR NATURE THAT HE HAS PASSED HISTORY AND REFERENCES WHICH WILL ASSURE THE OWNER OF HIS QUALIFICATIONS FOR EXECUTING THE WORK.

2. CONTRACTOR SHALL SUBMIT A COPY OF A VALID LOW-VOLTAGE LICENSE (LOW-VOLTAGE, GENERAL, LOW-VOLTAGE TELECOMMUNICATIONS OR LOW-VOLTAGE UNRESTRICTED AS ISSUED BY THE STATE CONSTRUCTION INDUSTRY LICENSING BOARD OR LOW-VOLTAGE CONTRACTORS).

3. CONTRACTOR SHALL SUBMIT A COPY OF BICSI/BUILDING INDUSTRY CONSULTING ENGINEERS (BICSI) CERTIFIED RCD (REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER).

4. COMPREHENSIVE LIST OF REFERENCES; ATTACH A DETAILED LIST OF REFERENCES ALONG WITH CONTACT PERSON, DATES OF WORK, MAILING ADDRESS, TELEPHONE NUMBERS.

5. CONTRACTOR MUST PROVIDE PROOF OF INSTALLATION IN A MINIMUM OF FIVE SITES USING AN CATEGORY 6E STRUCTURED CABLEING WITH 100 OR MORE ACTIVE (WORKING) NODES INSTALLED.

SUBMITTALS:

- I. SUBMIT PRODUCT DATA CONSISTING OF MANUFACTURER'S PUBLISHED LITERATURE AND AS FOLLOWS:

1. LITERATURE FOR EACH SEPARATE TYPE OF EQUIPMENT BEING PROVIDED, INDICATE MODEL NUMBER ON CUTSHEET.

2. ONE LINE SCHEMATIC OF COMPLETE SYSTEM SHOWING A FLOOR PLAN TO SCALE, SHOW LOCATIONS AND THE TYPE OF OUTLETS, AS WELL AS ALL RACK LOCATIONS, CABLEING, ETC.

3. DOCUMENTATION OF TESTING ON ALL WIRING AND TERMINATIONS AS PER EIA/TIA STANDARDS.

MAUFACTURERS:

- I. ACCEPTABLE MANUFACTURERS FOR EACH TYPE OF EQUIPMENT SPECIFIED SHALL BE AS NOTED THROUGHOUT THIS SPECIFICATION SECTION.

2. WHERE ACCEPTABLE MANUFACTURERS NOTED SHALL BE INSTALLED BY THE AUTHORIZED LOCAL FACTORY DEALER/ REPRESENTATIVE FOR THAT PRODUCT.

3. THE CONTRACTOR SHALL HOLD A CURRENT LOW VOLTAGE CONTRACTOR'S LICENSE AND RCD CERTIFICATION. ANY OTHER INTERESTED PARTIES SHALL SUBMIT A COMPANY REGISTRATION FOR A PERIOD OF ONE YEAR. THE CONTRACTOR SHALL NOTIFY THE AUTHORIZED REPRESENTATIVE FOR THE MANUFACTURER OF THE EQUIPMENT HE IS SUBMITTING FOR APPROVAL AND THAT HE MAINTAINS A FULLY EQUIPPED AND STOCKED SERVICE SHOP AND SHALL RESPOND TO SERVICE CALLS WITHIN 12 NORMAL WORKING HOURS. THE CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLIANT, COPIES OF APPROPRIATE LICENSES AND LIST OF RECENTLY COMPLETED JOBS.

4. ELECTRICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS AND SITE CONDITIONS FOR DOOR SWINGS, CABINETS, COUNTERS, AND OTHER BUILDING ELEMENTS, THAT MAY REQUIRE RELOCATING OR RECONNECTING EXISTING CIRCUITS. ALL FEEDERS SHALL BE CONCEALED EXCEPT IN MECHANICAL/ELECTRICAL SPACES WITH SURFACE MOUNTED PANELS.

5. MAINTAIN SERVICE AND REPAIRS AS REQUIRED BY THE CONTRACTOR.

6. MAINTAIN AND REPAIR EQUIPMENT AS REQUIRED BY THE CONTRACTOR.

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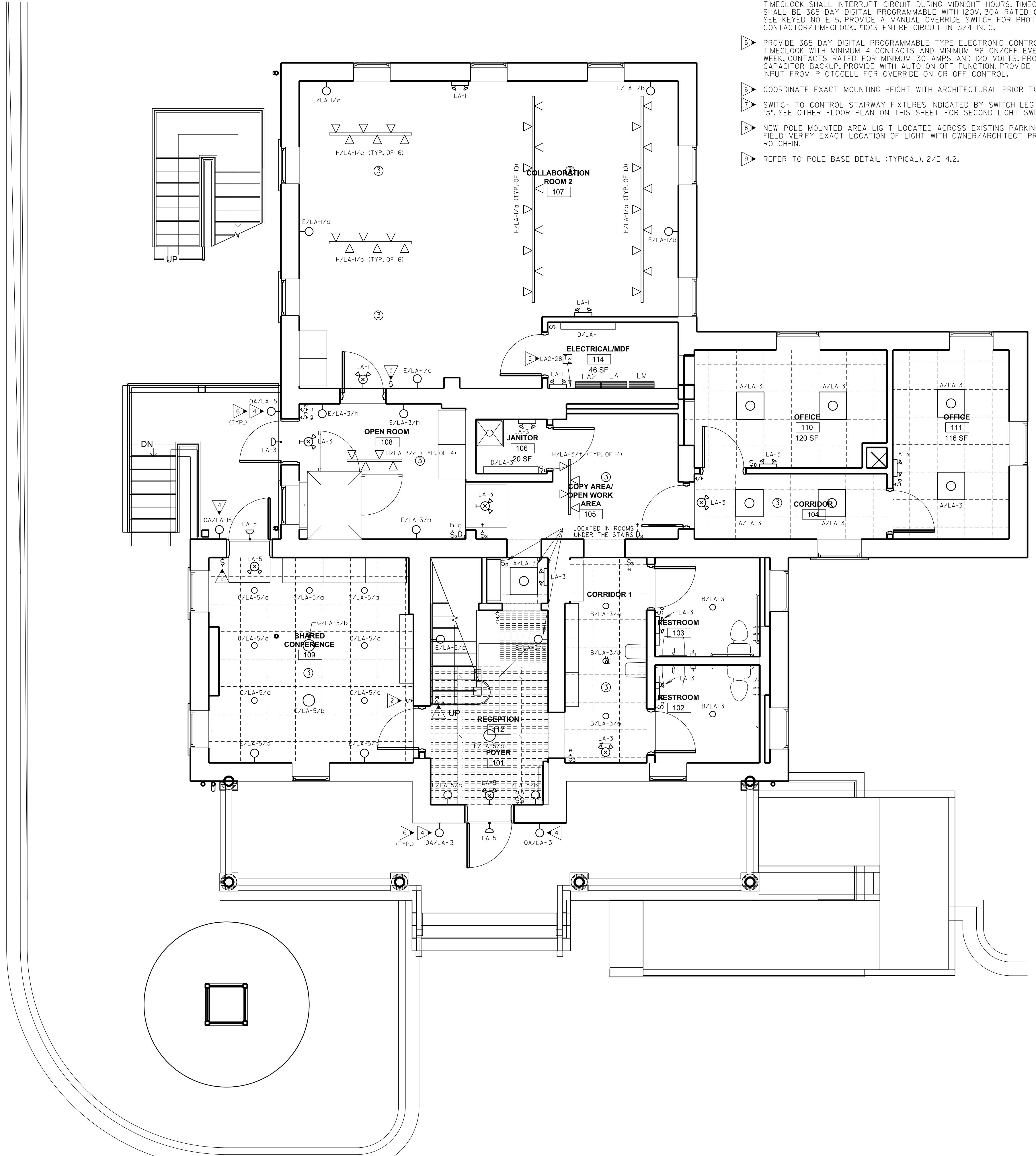
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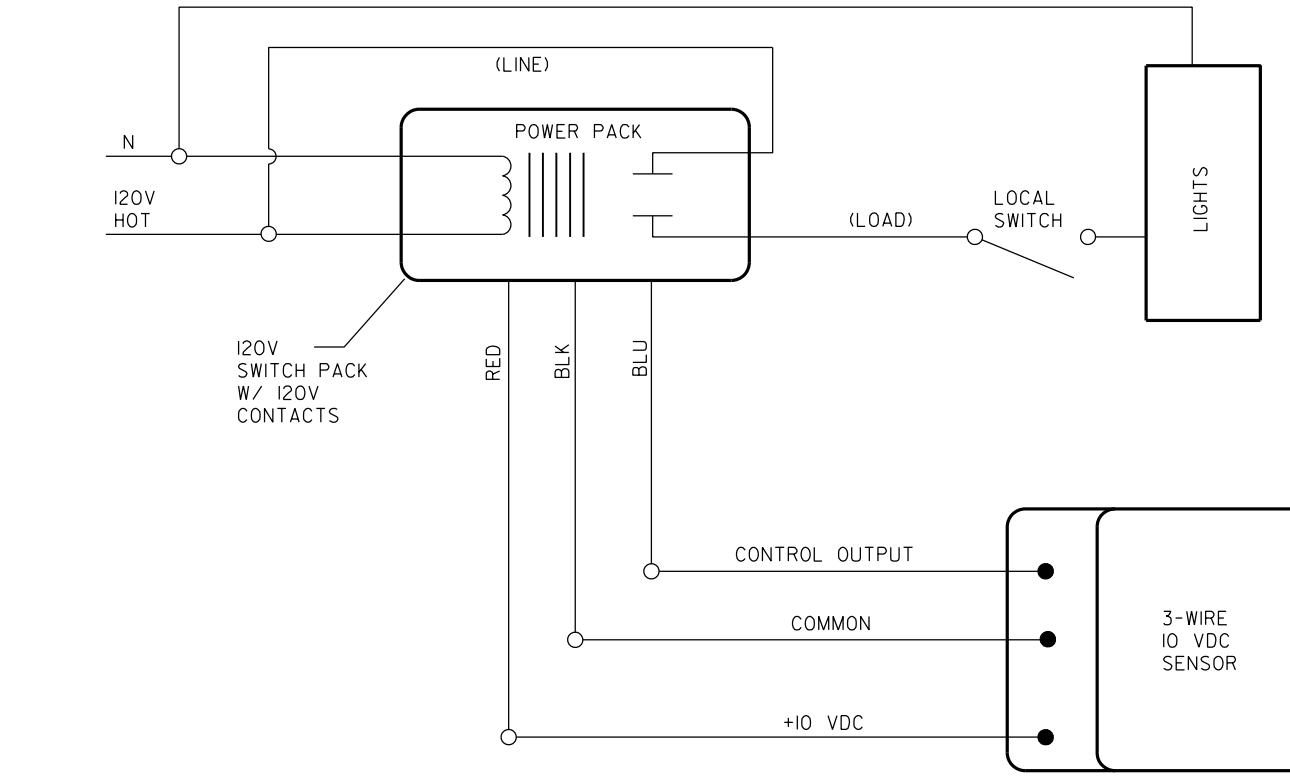
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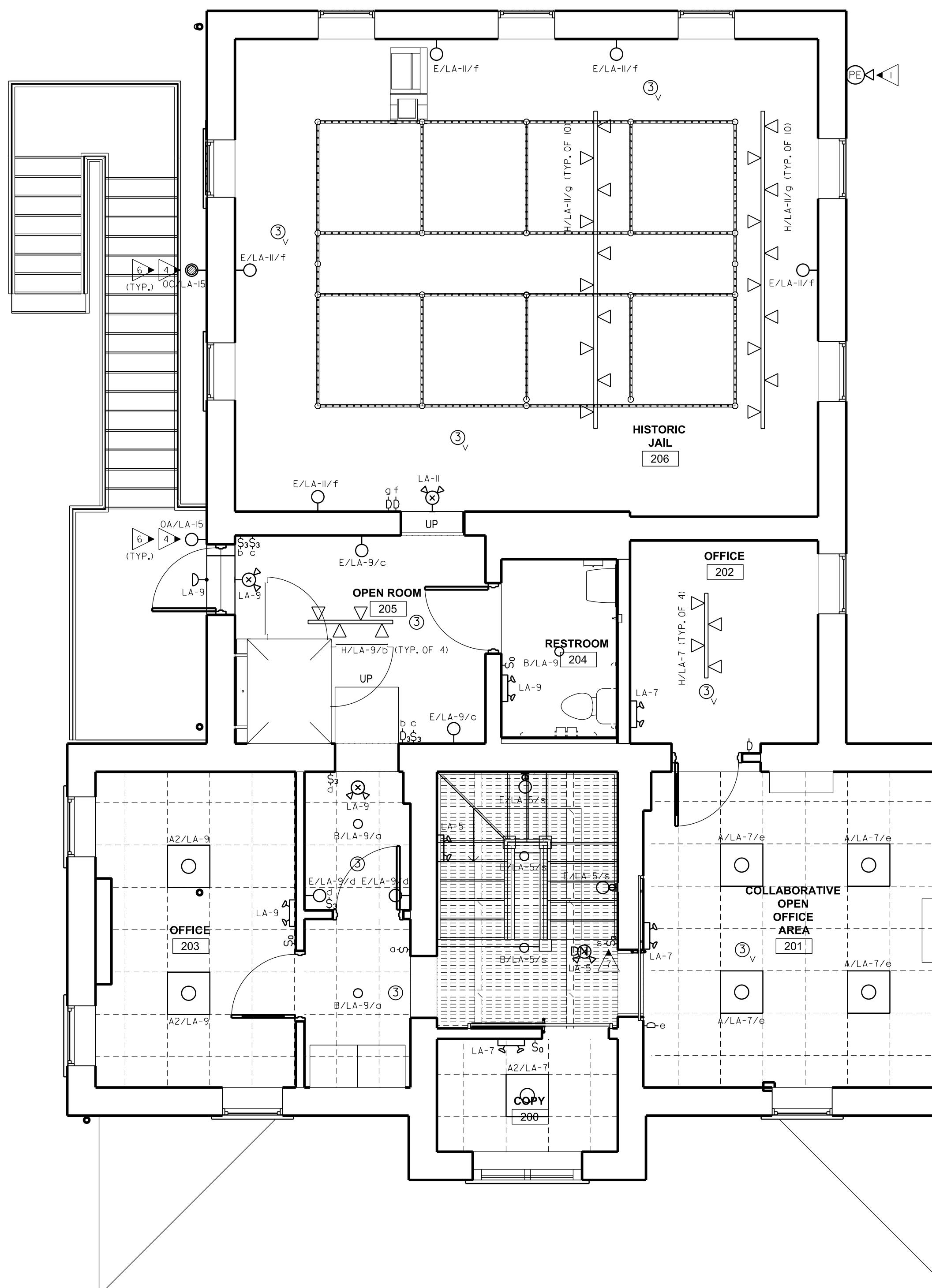


- KEYED NOTES:** (THIS SHEET ONLY)
- LOCATE P.E. CELL FACING NORTH, CLEAR OF MAN MADE LIGHT SOURCES. J-BOX TO HOUSE P.E. CELL SHALL BE RECESSED MOUNTED WITH STAINLESS STEEL COVER.
 - PROVIDE A THREE ZONE ROOM LIGHTING CONTROLLER SYSTEM. PROVIDE ONE MULTI SCENE (4-SCENE+OFF-RAISE) LOWER WALL BOX STATIONS AS SHOWN. PROVIDE SYSTEM COMPLETE WITH POWER PACKS, AND CONNECTIVITY BETWEEN CONTROLLER, ROUTE ALL LIGHTING CIRCUITS VIA CONTROLLER OR CONTROLLED POWER PACK SYSTEM TO BE FURNISHED. PROVIDE 365 DAY DIGITAL PROGRAMMABLE WITH 120V, 30A RATED CONTACTS. BASIS OF DESIGN IS THE NIGHT NPOD SYSTEM. SYSTEM SHALL CONTROL FIXTURES FOR THE SHARED CONFERENCE ROOM WITH SHOWN INDICATIONS. USE CT WITH EACH INDICATION REPRESENTING A SEPARATELY CONTROLLED ZONE.
 - PROVIDE A FOUR ZONE ROOM LIGHTING CONTROLLER SYSTEM. PROVIDE SYSTEM WITH ONE MULTISCENE (4-SCENE+OFF-RAISE) LOWER WALL BOX STATIONS AS SHOWN. PROVIDED SYSTEM COMPLETE WITH POWER PACKS, AND CONNECTIVITY BETWEEN CONTROLLER, ROUTE ALL LIGHTING CIRCUITS VIA CONTROLLER OR CONTROLLED POWER PACK SYSTEM TO BE FURNISHED. PROVIDE 365 DAY DIGITAL PROGRAMMABLE WITH 120V, 30A RATED CONTACTS. BASIS OF DESIGN IS THE NIGHT NPOD SYSTEM. SYSTEM SHALL CONTROL FIXTURES FOR THE SHARED CONFERENCE ROOM WITH SHOWN INDICATIONS. USE CT WITH EACH INDICATION REPRESENTING A SEPARATELY CONTROLLED ZONE.
 - ROUTE VIA 4 POLE EXTERIOR LIGHTING CONTACTOR/TIMECLOCK LOCATED IN ELECTRICAL ROOM. PHOTO CELL SHALL CONTROL DUSK TILL DAWN OPERATION. TIMECLOCK SHALL INTERRUPT CIRCUIT DURING MIDNIGHT HOURS. TIMECLOCK SHALL BE 365 DAY DIGITAL PROGRAMMABLE WITH 120V, 30A RATED CONTACTS. GND LEAD TO GND BUS. PROVIDE AUXILIARY INPUT FOR PHOTOCELL/CONTACTOR/TIMECLOCK, NO'S ENTIRE CIRCUIT IN 3/4 IN. C.
 - PROVIDE 365 DAY DIGITAL PROGRAMMABLE TYPE ELECTRONIC CONTROL TIMECLOCK WITH MINIMUM 4 CONTACTS AND MINIMUM 96 ON/OFF EVENTS PER WEEK. CONTACTS RATED FOR MINIMUM 30 AMPS AND 120 VOLTS. PROVIDE WITH CAPACITOR BACKUP. PROVIDE WITH AUTO-ON/OFF FUNCTION. PROVIDE AUXILIARY INPUT FROM PHOTOCELL FOR OVERRIDE ON OR OFF CONTROL.
 - COORDINATE EXACT MOUNTING HEIGHT WITH ARCHITECTURAL PRIOR TO ROUGH-IN.
 - SWITCH TO CONTROL STAIRWAY FIXTURES INDICATED BY SWITCH LEG DESIGNATION 'S'. SEE OTHER FLOOR PLAN ON THIS SHEET FOR SECOND LIGHT SWITCH.
 - NEW POLE MOUNTED AREA LIGHT LOCATED ACROSS EXISTING PARKING LOT. FIELD VERIFY EXACT LOCATION OF LIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
 - REFER TO POLE BASE DETAIL (TYPICAL), 2/E-4.2.



SCHEMATIC WIRING DIAGRAM - SENSOR CONTROL - LIGHTING

NOT TO SCALE
(SEE MANUFACTURERS RECOMMENDATION
FOR SCHEMATIC WHERE MULTIPLE SENSORS
OCUR IN SAME SPACE.)



GENERAL NOTES: (THIS SHEET ONLY)

- A. THIS PLAN INDICATES AREAS TO BE CONTROLLED BY MOTION SENSORS. SINCE COVERAGE AND DEVICES VARY BETWEEN MANUFACTURERS IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
- B. ALL AREA'S OF THIS PLAN REQUIRE OCCUPANCY SENSOR COVERAGE (EXCEPT FOR MECHANICAL AND ELECTRICAL ROOMS). SEE LIGHTING SENSOR LEGEND E-1(J) TYPICAL.
- C. THERE ARE NO SWITCHPACKS SHOWN ON THIS PLAN. PROVIDE SWITCHPACKS WITH 20V CONTACTS. ARE TO BE RATED AT 20A. PROVIDE A SWITCHPACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.
- D. CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSOR WITH MECHANICAL AND LIGHTING PLANS.
- E. ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15 FT. IN. IN THESE CASES, THE JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING. JUNCTION BOX SHALL BE SUPPORTED FROM STRUCTURE UTILIZING A 3/8IN. THREADED ROD. WHERE CEILING HEIGHTS EXCEED 15 FT.-0 IN. WALL MOUNT SENSORS AT 12 FT.-0 IN.
- F. PROVIDE UNSWITCHED HOT CONDUCTOR TO ALL EMERGENCY AND EXIT LIGHTS.

ELECTRICAL DESIGN
CONSULTANTS, INC.
175, NEW ST, STE. 1
MACON, GA 31201
EDC# M2429



NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

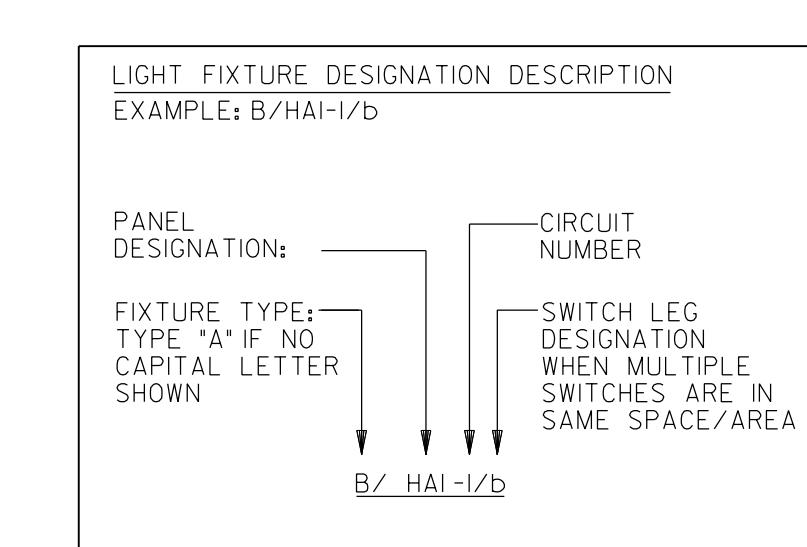
PRINT RECORD		
No.	DATE	DESCRIPTION

Drawn By TAW Checked By JHM
Date 06-04-2025 Job No. 24004

Sheet Title **LARGE SCALE PLANS - LIGHTING**

Sheet No.

E-2.1



Provide all branch circuit conductors as necessary to connect all devices shown on the circuit. Provide dedicated neutrals for all circuits. (striped neutral with phase color striping)

SERVICE DEMAND CALCULATIONS			
	CONNECTED LOAD(VA)	DEMAND FACTOR	CALCULATED DEMAND(VA)
TOTAL CONNECTED LOAD(VA)	100,221		
LIGHTING	3,130	1.25	3,913
HVAC	62,636	1.00	62,636
HVAC (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	5,000	1.25	6,250
MOTOR LOAD	2,455	1.00	2,455
RECEPTACLE (FIRST 10,000 VA)	10,000	1.00	10,000
RECEPTACLE (GREATER THAN 10,000 VA)	8,000	0.50	4,000
WATER HEATER	4,500	1.00	4,500
MISC LOADS	4,500	1.00	4,500
DEMAND LOAD - VOLT-AMPERES	98,254		
DEMAND LOAD - 208V 3-PHASE AMPS	272.9		

SERVICE IS SIZED/RATED FOR 450 AMPS.

LA/LA2 DEMAND CALCULATIONS			
	CONNECTED LOAD(VA)	DEMAND FACTOR	CALCULATED DEMAND(VA)
TOTAL CONNECTED LOAD(VA)	40,085		
LIGHTING	3,130	1.25	3,913
HVAC	2,900	1.00	2,900
HVAC (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	5,000	1.25	6,250
MOTOR LOAD	2,455	1.00	2,455
RECEPTACLE (FIRST 10,000 VA)	10,000	1.00	10,000
RECEPTACLE (GREATER THAN 10,000 VA)	8,000	0.50	4,000
WATER HEATER	4,500	1.00	4,500
MISC LOADS	4,500	1.00	4,500
DEMAND LOAD - VOLT-AMPERES	38,118		
DEMAND LOAD - 208V 3-PHASE AMPS	105.9		

PANEL IS SIZED/RATED FOR 225 AMPS.

LM DEMAND CALCULATIONS			
	CONNECTED LOAD(VA)	DEMAND FACTOR	CALCULATED DEMAND(VA)
TOTAL CONNECTED LOAD(VA)	60,138		
LIGHTING	0	1.25	0
HVAC	60,136	1.00	60,136
HVAC (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
MOTOR LOAD	0	1.00	0
RECEPTACLE (FIRST 10,000 VA)	0	1.00	0
RECEPTACLE (GREATER THAN 10,000 VA)	0	0.50	0
WATER HEATER	0	1.00	0
MISC LOADS	0	1.00	0
DEMAND LOAD - VOLT-AMPERES	60,138		
DEMAND LOAD - 208V 3-PHASE AMPS	167.0		

PANEL IS SIZED/RATED FOR 225 AMPS.

COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Newton County Historic Jail Renovation
Project Type: Alteration

Construction Site: 1177 Stallings Street, Covington, GA 30014
Owner/Agent: Designer/Contractor: Electrical Design Consultants, 175 New Street, Suite 1, Macon, GA 31201

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft ²)	C Allowed Watts /ft ²	D Allowed Watts (B x C)
1-Office	3500	0.62	2670

Total Allowed Watts = 2870

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Watt. (C x D)
Office (3500 sq ft)			
A: A 2 FT X 2 FT TROFFER LED Panel 33W	1	11	33
A: A 2 FT X 2 FT TROFFER LED Panel 44W	1	3	129
B: B 6 IN DOWNLIGHT LED Other Fixture 10W	1	10	150
C: C 6 IN DOWNLIGHT LED Other Fixture CYL 10W	1	7	55
D: D 4 FT WIRE FIXTURE LED Other Fixture Unit 28W	1	2	30
E: E ARCHITECTURAL SCONCE LED Other Fixture Unit 28W	1	25	500
F: F ARCHITECTURAL SEMI-FLUSH LED Other Fixture Unit 28W	3	1	90
G: G ARCHITECTURAL PENDANT LED Other Fixture Unit 6.5W	1	2	14
H: H CYLINDRICAL TRACK HEAD LED Other Fixture Unit 16W	1	68	1088

Total Proposed Watts = 2429

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting system is designed to meet the 2015 IECC requirements as per COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey H. McGee, PE
Name - Title
Signature

06/03/2025
Date

COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Newton County Historic Jail Renovation
Project Type: Alteration
Exterior Lighting Zone: 2 (Neighborhood business district (L22))

Construction Site: 1177 Stallings Street, Covington, GA 30014
Owner/Agent: Designer/Contractor: Electrical Design Consultants, 175 New Street, Suite 1, Macon, GA 31201

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)
Main entry	3 ft of door	20	Yes	60
Other door (not main entry)	9 ft of door	1	Yes	90
Stairway	9 ft	1	Yes	90
Parking area	1500 ft ²	0.06	Yes	90

Total Tradable Watts (a) = 420
Total Allowed Watts = 420
Total Allowed Supplemental Watts (b) = 600

(a) Wattage tradable are only allowed between tradable areas/surfaces.
(b) supplemental allowance equal to 60 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C x D)
Main entry (3 ft of door width): Tradable Wattage	1	2	30	60
Other door (not main entry) (9 ft of door width): Tradable Wattage	1	3	30	90
Stairway (9 ft): Tradable Wattage	1	1	47	47
Parking area (1500 ft ²): Tradable Wattage	1	1	111	111

Total Tradable Proposed Watts = 308

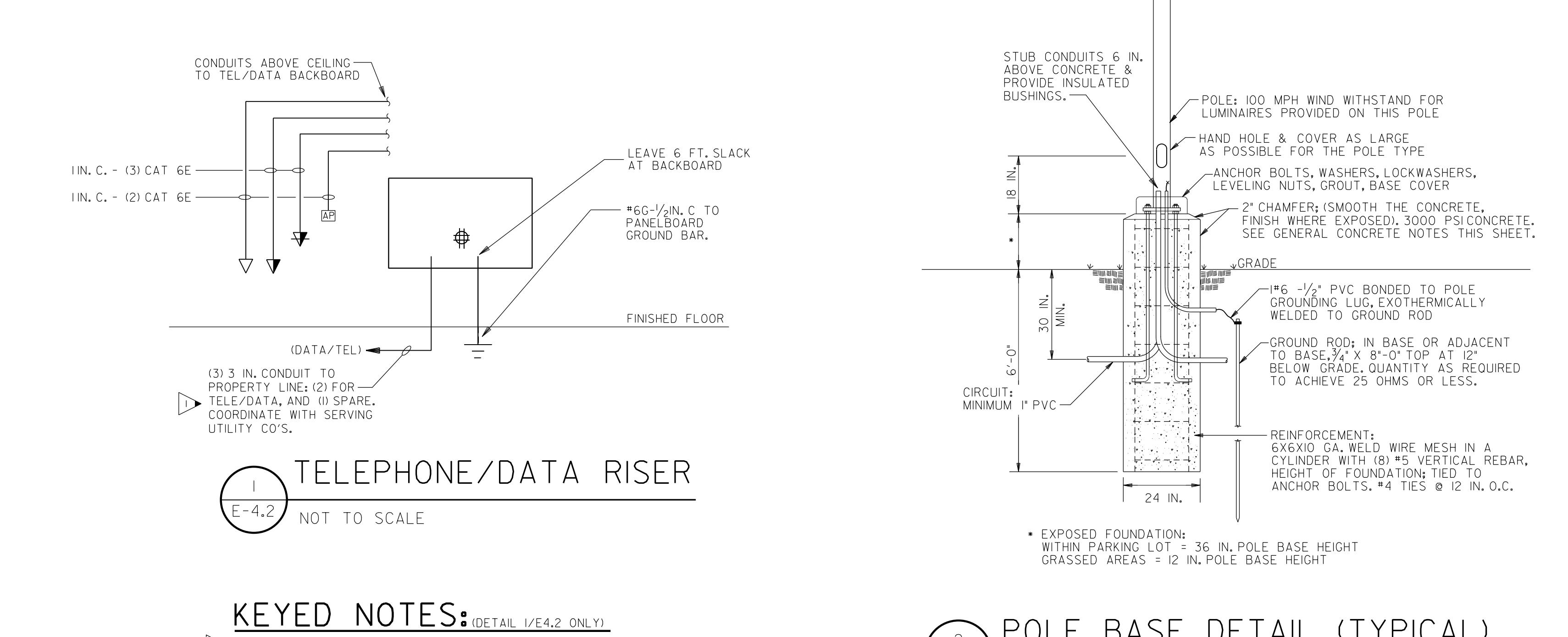
Exterior Lighting PASSES

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting system is designed to meet the 2015 IECC requirements as per COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Jeffrey H. McGee, PE
Name - Title
Signature

06/03/2025
Date



NEWTON CO HISTORIC JAIL RENOVATION

NEWTON COUNTY
1177 STALLINGS STREET
COVINGTON, GEORGIA

PRINT RECORD		
No.	DATE	DESCRIPTION
1	09/11/25	REVISION #1

Drawn By TAW
Checked By JHM
Date 06/04/2025
Job No. 24004
Sheet Title SCHEDULES & DETAILS
Sheet No. E-4.2