

Teria G. Sheffield Procurement Director

### **ADDENDUM #3**

Date: 10/9/2024 PROPOSAL ID #2945

### IFB #2945 Sheriff's Office District 3 Renovation

THE FOLLOWING INFORMATION SHALL BE INCORPORATED AS PART OF THE ABOVE MENTIONED SOLICITATION; ALL OTHER TERMS AND CONDITIONS SHALL REMAIN THE SAME. ALL INFORMATION CONTAINED IN THIS ADDENDUM SUPERSEDES AND TAKES PRECEDENCE OVER ANY CONFLICTING INFORMATION IN THE ORIGINAL BIDDING DOCUMENTS DATED MAY 09, 2024 AND ALL PRIOR ADDENDA.

#### 1. CHANGES TO PROJECT MANUAL

#### SPECIFICATION SECTION 01 23 00 - ALTERNATES

Add the following to Section 1.4:

C.ADD Alternate No. 03: Provide new tile floor, tile base, and toilet partitions in Rooms 1215 & 1216

. ADD Alternate No. 04: Provide new tile floor, tile base, and toilet partitions in Rooms 2001 & 2002

#### SPECIFICATION SECTION 10 21 13.17 - PHENOLIC TOILET COMPARTMENTS

1. Added in its entirety.

#### **SPECIFICATION SECTION 11 12 00 - PARKING CONTROL EQUIPMENT**

1. Added in its entirety.

#### 2. CHANGES TO DRAWINGS

#### SHEET A101 - OVERALL DEMOLITION PLAN LEVEL 1

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET A102 - OVERALL DEMOLITION PLAN LEVEL 2

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET A200 - OVERALL ARCHITECTUREAL SITE PLAN NEW WORK

PLAN Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET A203 - OVERALL ROOF PLAN

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET A601 - OVERALL REFLECTED CEILING PLAN LEVEL 1

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET A602 - OVERALL REFLECTED CEILING PLAN LEVEL 2

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

### SHEET A700 – GENERAL TYP. FIXTURE AND ACCESS, HEIGHTS AND LEGENDS (ADA) Sheet reissued in its entirety, dated Revision A, October 09, 2024.

### SHEET A701 – EQUIPMENT SCHEDULE & ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

### SHEET A702 - EQUIPMENT SCHEDULE & ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET A800 - TYPICAL MILLWORK DETAILS

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET 1000 - INTERIORS GENERAL

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET 1200 - FLOOR FINISH PLAN LEVEL 1

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET 1201 - FLOOR FINISH PLAN LEVEL 2

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET P201 - FIRST FLOOR - PLUMBING - WASTE & VENT

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### SHEET P701 - PLUMBING RISER DIAGRAMS

Sheet reissued in its entirety, dated Revision A, October 09, 2024.

#### **ENCLOSURES:**

#### SPECIFICATION SECTIONS

SECTION 10 21 13.17 – PHENOLIC TOILET COMPARTMENTS SECTION 11 12 00 – PARKING CONTROL EQUIPMENT

#### SHEETS / BULLETIN DRAWINGS

A101	1000	P201	
A102	1200	P701	
A200	1201		
A203			
A601			
A700			
A701			
A702			
A800			

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#### SECTION 10 21 13.17 PHENOLIC TOILET COMPARTMENTS

#### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Phenolic toilet compartments.
- B. Urinal and vestibule screens.

#### 1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 Rough Carpentry: Blocking and supports.
- B. Section 10 28 00 Toilet, Bath, and Laundry Accessories.

#### 1.03 REFERENCE STANDARDS

A. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

#### 1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination: Coordinate the work with placement of support framing and anchors in walls and ceilings.

#### 1.05 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on panel construction, hardware, and accessories.
- Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.
- D. Samples: Submit two samples of partition panels, 4 inch by 4 inch in size illustrating panel finish, color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special procedures.

#### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Phenolic Toilet Compartments: Provide Basis-of-Design Product as indicated in Finish Schdule or comparable product by one of the following:
  - 1. ASI Accurate Partitions; \_\_\_\_\_: www.asi-accuratepartitions.com/#sle.
  - 2. Partition Systems
  - 3. General Partitions
  - 4. Substitutions: Section 01 60 00 Product Requirements.

#### 2.02 PHENOLIC TOILET COMPARTMENTS

- A. Toilet Compartments: Factory fabricated doors, pilasters, and divider panels made of solid phenolic core panels with integral melamine finish, floor-mounted headrail-braced.
  - 1. Color: Refer to Finish Schdule.

#### B. Doors:

- 1. Thickness: 3/4 inch.
- 2. Width: Match to Existing.
- 3. Height: 58 inch.

#### C. Panels:

- 1. Thickness: 1/2 inch.
- 2. Height: 58 inch.
- 3. Depth: Match to Existing.

#### D. Pilasters:

1. Thickness: 3/4 inch.

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- 2. Width: As required to fit space; minimum 3 inch.
- E. Screens: Without doors; to match compartments; mounted to wall with two panel brackets with vertical support/bracing same as compartments.

#### 2.03 ACCESSORIES

- A. Pilaster Shoes: Formed ASTM A666 Type 304 stainless steel with No. 4 finish, 3 inch high, concealing floor fastenings.
  - 1. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster.
- B. Head Rails: Hollow anodized aluminum, 1 inch by 1-1/2 inch size, with anti-grip profile and cast socket wall brackets.
- Wall and Pilaster Brackets: Polished stainless steel; manufacturer's standard type for conditions indicated on drawings.
- D. Attachments, Screws, and Bolts: Stainless steel, tamper proof type.
- E. Hardware: Polished stainless steel:
  - 1. Pivot hinges, gravity type, adjustable for door close positioning; two per door.
  - 2. Door Latch: Slide type with exterior emergency access feature.
  - 3. Door strike and keeper with rubber bumper; mounted on pilaster in alignment with door latch.
  - 4. Coat hook with rubber bumper; one per compartment, mounted on door.
  - 5. Provide door pull for outswinging doors.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

#### 3.02 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 inch to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.
- E. Field touch-up of scratches or damaged finish will not be permitted. Replace damaged or scratched materials with new materials.

#### 3.03 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

#### 3.04 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch.
- B. Adjust hinges to position doors in partial opening position when unlatched. Return out-swinging doors to closed position.
- C. Adjust adjacent components for consistency of line or plane.

END OF SECTION 10 21 13.17

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# SECTION 11 12 00 PARKING CONTROL EQUIPMENT PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Parking access controls.
  - 1. Gate arm access control.
- B. Maintenance.

#### 1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 Cast-in-Place Concrete: Placement of anchors and components to be embedded in concrete.
- B. Section 26 05 83 Wiring Connections: Electrical characteristics and wiring connections.

#### 1.03 SUBMITTALS

- A. See Section 01 30 00 Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on operating equipment, characteristics, limitations, and temperature range of operation.
- C. Shop Drawings: Indicate plan layout of equipment access lanes, curbing, mounting bolt dimensions, conduit and outlet locations, power requirements, and wiring diagrams.
- D. Warranty Documentation: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

#### 1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

#### 1.05 WARRANTY

- A. See Section 01 78 00 Closeout Submittals, for additional warranty requirements.
- B. Provide five year manufacturer warranty for operating equipment.

#### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Parking Control Equipment:
- B. Basis of Design: Magnetic Access Access XXL
  - 1. Guardian Access Solutions; \_\_\_\_: www.guardianaccess.com/#sle.
  - 2. Automatic Systems; \_\_\_\_: www.automatic-systems.us/#sle.
  - 3. Substitutions: See Section 01 60 00 Product Requirements.

#### 2.02 DESCRIPTION

- A. Parking Control System: Automatic operation at entrance and automatic operation at exit.
- B. Provide protection against interference or damage by lightning or other electrical influences; include fuse, over-voltage protection, flash-over protection, and line filter.
- C. Entry: Automatic parking access control system is activated upon detection of coded card.
- D. Exit: Automatic parking access control system is activated upon detection of vehicle by sensing loop in pavement.

#### 2.03 REGULATORY REQUIREMENTS

- A. Comply with applicable code and requirements of authorities having jurisdiction for emergency vehicle access.
- B. Products Requiring Electrical Connection: Listed and classified by ITS (DIR), UL (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for purpose specified.

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#### 2.04 PERFORMANCE CRITERIA

- A. Operating Temperature: Minus 20 to 140 degrees F.
- B. Humidity: 15 to 95 percent RH noncondensing.

#### 2.05 PARKING ENTRY/EXIT COMPONENTS

- A. Gate Arm Entry and Exit Control: Provide equipment listed and labeled in compliance with UL 325 safety standards of gate operators.
  - 1. Classification: Class III Industrial/Limited Access, vehicular gate operator with gate arm access control complying with UL 325.
  - 2. Controls: Mechanism in compliance with UL 325 safety standards of gate operators, with cadmium coated steel components to raise and lower arm by instant reversing electric motor, enclosed speed reducer operated by self contained, plug-in replaceable controller with slip clutch to prevent breakage if arm is forced, and to permit manual operation and arm movement to stop and start at reduced speed if required.
    - Activate automatic arm reversing switch if an obstacle is sensed when in downward motion.
    - b. Maintain gate arm in raised position until vehicle clears control area.
  - 3. Control Cabinet: Steel, at least 14 gauge, 0.075 inch thick, with weather-tight seams and gaskets; thermally insulated to permit heater to maintain cabinet temperature to equipment operating minimum, flush access doors and panels, tamper proof hardware, master keyed locks, and concealed mounting bolts located inside of units.
  - 4. Gate Arm, Articulating: Aluminum, articulating arm with internal counterbalance, rubber bottom safety edge, and automatic arm reversing switch.
  - 5. Gate Arm Length: 30 feet.
  - 6. Gate Arm Height: Locate top of gate arm in down position at not more than 35 inches above pavement.
  - 7. Gate Arm Finish: Two coats of reflective enamel based paint with black and white diagonal stripes on both sides of arm.
  - 8. Pivot, Limit Stops, and Counterbalancing: Galvanized steel construction, enclosed in arm clamp, with oil impregnated bronze bearing.
  - 9. Gate Arm Support Post: Steel section; 37 inches high, 6 inches square, with 10 gauge, 0.135 inch minimum wall thickness; with welded and sealed steel post cap and base plate.
    - a. Finish: Baked enamel on steel, color as selected by Architect.
  - 10. Gate Arm End Post: Steel section; 37 inches high, 2 inch square, with 10 gauge, 0.135 inch minimum wall thickness; with alignment bracket, closed cap and base plate.
    - a. Finish: Baked enamel on steel, color as selected by Architect.

#### 2.06 VEHICLE DETECTION

- A. Vehicle Detection: For use in temperature range of minus 40 to 160 degrees F; consisting of detection unit in conjunction with infrared scanner to activate parking revenue control device or access control device when vehicle enters or exits.
- B. Infrared Scanner: Active infrared detectors mounted adjacent to vehicle entry and exit locations.

#### 2.07 MATERIALS

A. Aluminum: Extruded aluminum in compliance with ASTM B221 or ASTM B221M.

#### PART 3 EXECUTION

#### 3.01 EXAMINATION

- Verify that anchor bolts are ready to receive this work and dimensions are as required by manufacturer.
- B. Verify that electric connections are properly located and have necessary characteristics.

#### 3.02 INSTALLATION

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- A. Install parking control system and components in accordance with manufacturer's instructions and in compliance with requirements.
- B. Install internal electrical wiring, conduit, junction boxes, transformers, circuit breakers, and auxiliary components as required.

#### 3.03 ADJUSTING

#### 3.04 MAINTENANCE

A. Provide service and maintenance of operating equipment for a period of two years from Date of Substantial Completion.

END OF SECTION 11 12 00

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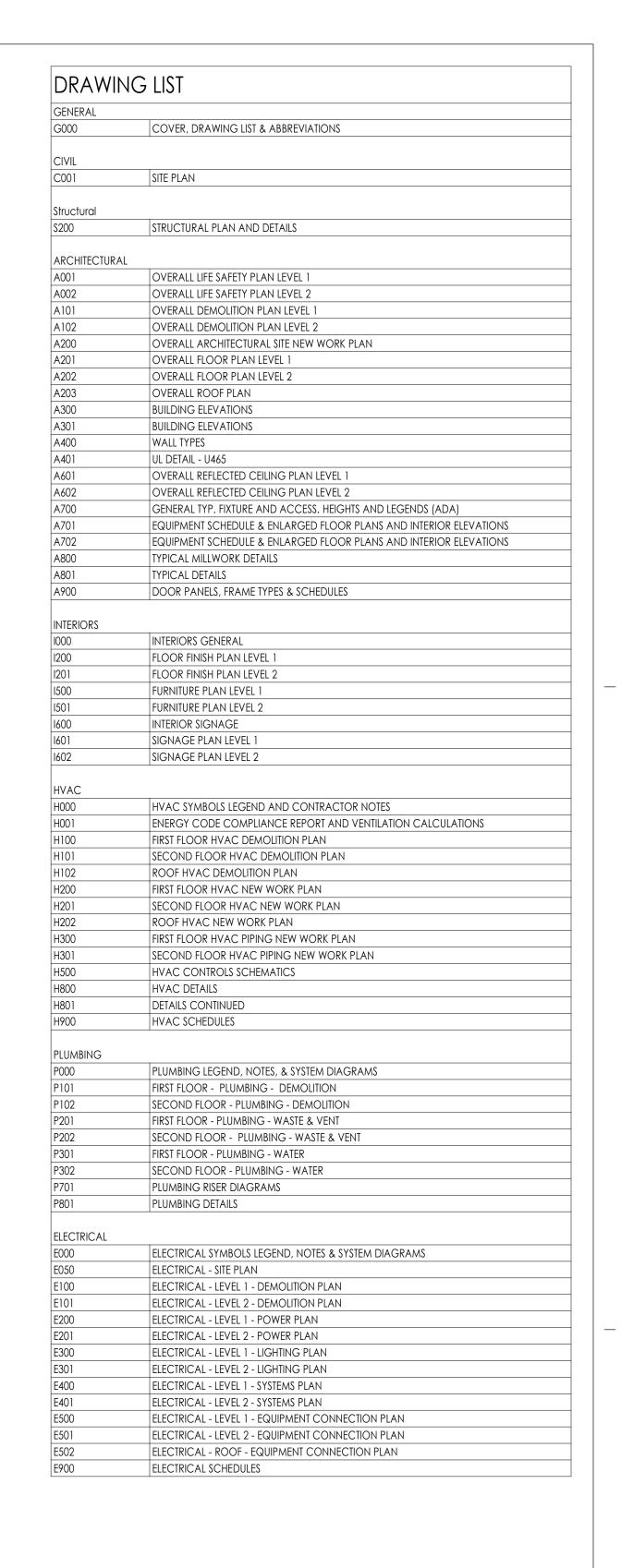
# YORK COUNTY, SC DISTRICT 3 SHERIFF'S OFFICE

100% CONSTRUCTION DOCUMENTS

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

Α		D		FS	FULL SIZE	LDR	LEADER	PVC	POLYVINYL CHLORIDE	TYP	TYPICAL
AFF	ABOVE FINISHED FLOOR	DP	DAMP PROOFING	FUT	FUTURE	LH	LEFT HAND	PC CONC	PRECAST CONCRETE	U	
AP	ACCESS PANEL	DEMO	DEMOLISH	G		LIB	LIBRARY	PRE FAB	PREFABRICATED	UNFIN	UNFINISHED
ACOUS	ACOUSTICAL	DEPT	DEPARTMENT	GALV	GALVANIZED	LT	LIGHT	PT	PRESSURE TREATED	UNO	UNLESS NOTED OTHER
ACT	ACOUSTICAL CEILING TILE	DET,DTL	DETAIL	G	GAS	LW	LIGHT WEIGHT	PL	PROPERTY LINE	U	URINAL
AWP	ACOUSTICAL WALL PANEL	DIA	DIAMETER	GA	GAUGE	М		Q		٧	
ADJ	ADJACENT	DIM	DIMENSION	GEN	GENERAL	MACH	MACHINE	QTY	QUANTITY	VEN	VENEER
A/C	AIR CONDITIONING	DISP	DISPENSER	GC	GENERAL CONTRACTOR	MH	MAN HOLE	R		VIF	VERIFY IN FIELD
ALT	ALTERNATE	DSP	DISPOSAL	GL	GLASS, GLAZING	MHC	MAN HOLE COVER	RAD	RADIUS	VEST	VESTIBULE
ALUM	ALUMINUM	DO	DITTO, REPEAT, SAME	GB	GRAB BAR	MFR	MANUFACTURE	RECP	RECEPTACLE	VOL	VOLUME
AB	ANCHOR BOLT	DR	DOOR	GR	GRADE, GRADING	MFRR	MANUFACTURER	RE:	REFER TO	W	
ANOD	ANODIZED	DBL	DOUBLE	GSF	GROSS SQUARE FOOT	MAS	MASONRY	REF	REFERENCE	WC	WATER CLOSET
APPROX	APPROXIMATE	DN	DOWN	GYP	GYPSUM	MO	MASONRY OPENING	REFR	REFRIGERATOR	WT	WEIGHT
ARCH	ARCHITECT, ARCHITECTURAL	DS	DOWNSPOUT	GYP BD	GYPSUM BD	MAT	MATERIALS	REINF	REINFORCED(ING)	WWF	WELDED WIRE FABRIC
AD	AREA DRAIN	DT	DRAIN TILE	GWB	GYPSUM WALL BOARD	MAX	MAXIMUM	REQ'D	REQUIRED	WWM	WELDED WIRE MESH
ACM	ASBESTOS CONTAINING MATERIAL	DWR	DRAWER	H		MECH	MECHANICAL	REV	REVISED	W	WEST
@	AT	DWG	DRAWING	HDWR	HARDWARE	MET	METAL	RH	RIGHT HAND	WIND	WINDOW
AUTO	AUTOMATIC	DF	DRINKING FOUNTAIN	HDWD	HARDWOOD	MTL	METAL	R	RISER	W/	WITH
В		E _	1-1-011	HVAC	HEATING, VENTILATING & AIR CONDITIONING	M	METER	RD	ROOF DRAIN	W/O	WITHOUT
BP	BEARING PLATE	EA	EACH	UT LICT		MEZZ	MEZZANINE	RM	ROOM	WD	WOOD
BM	BENCH MARK	EF	EACH FACE	HT, HGT HEX	HEIGHT HEXAGONAL	MIN	MINIMUM	RO	ROUGH OPENING	Y	l=
BITUM	BITUMINOUS	EW	EACH WAY	HWY	HIGHWAY	MISC	MISCELLANEOUS	2	0.4.1.117.4.73.7	YD	YARD
BLK	BLOCK	E	EAST	HM	HOLLOW METAL	MR	MOISTURE RESISTANT	SAN	SANITARY		
BLKG	BLOCKING	ELEC	ELECTRICAL	HORZ	HORIZONTAL	MTD	MOUNTED	SCHED	SCHEDULE		
BD	BOARD	ELEV	ELEVATION	HB	HOSE BIBB	N	MATURAL	SEC	SECOND		
BOT	BOTTOM	EL	ELEVATOR	HW	HOT WATER	NAT	NATURAL	SECT	SECTION		
BRK	BRICK	EMER	EMERGENCY	HR	HOUR	NRC	NOISE REDUCTION COEFFICIENT	SIM	SIMILAR		
BLDG	BUILDING	ENCL	ENCLOSURE	I IIK	IIOUK	NOM	NOMINAL	SSM	SOLID SURFACE MATERIAL		
BN	BULLNOSE	ENTR	ENTRANCE	IN	INCH	N	NORTH	STC	SOUND TRANSMISSION COEFFICIENT		
CAR	CARINIET	EQ	EQUAL	INCL	INCLUDING	NIC	NOT IN CONTRACT	SPEC	SPECIFICATION		
CAB	CASTIDON	EQUIP	EQUIPMENT ESTIMATE (D)	ID	INSIDE DIAMETER	NTS	NOT TO SCALE	SQ	SQUARE		
CI CD	CAST IRON  CATCH BASIN OR CHALK BOARD	EST EXHST	ESTIMATE(D)  EXHAUST	INSUL	INSULATION	NO, #	NUMBER	SS	STAINLESS STEEL		
CI C	CEILING	EXIST	EXISTING	INT	INTERIOR	0	ON CENTER	STD	STANDARD		
CLG CLG HT	CEILING HEIGHT	EXP	EXPANSION	INTERM	INTERMEDIATE	OC OPNG	OPENING OPENING	STL	STEEL		
	CENTER LINE	EXF	EXPANSION JOINT	INV	INVERT	OD	OUTSIDE DIAMETER	STOR	STORAGE		
CL CER	CERAMIC	EJ	EXP ANSION JOIN		IIIVENI	ОН	OVERHEAD	SGFT	STRUCTURAL GLAZED FACING TILE		
CIRC	CIRCUMFERENCE	FAB	FABRICATE	JAN	JANITOR	Р	OVERHEAD	ST STL	STRUCTURAL STEEL		
	CLEAN OUT	ET ET	FEET	15	JANITOR SINK	DT	PAINT(ED)	STRUCT	STRUCTURE, STRUCTURAL		
CO CLR	CLEAR	FIG	FIGURE	IT IT	JOINT	PR	PAIR	SUSP	SUSPENDED		
	COLUMN	FIN	FINISH	K	120	PTR	PAPER TOWEL RECEPTOR	SAT	SUSPENDED ACOUSTICAL TILE		
COL	CONCRETE	EE ITIN	FINISH FLOOR	KIT	KITCHEN	PKG	PARKING	T	STORE LINES / GOOGHO/IE HEE		
	CONCRETE MASONRY UNIT	FEC	FIRE EXTINGUISHER CABINET		INTO THE I	PART BD	PARTICLE BOARD	TEL	TELEPHONE		
CMU	CONSTRUCTION	En LEC	FIRE HOSE	LBL	LABEL	PART BD	PARTITION PARTITION	TEMP	TEMPERATURE		
CONST	CONSTRUCTION JOINT	FL,FLR	FLOOR	LAB	LABORATORY	PVMT	PAVEMENT	THK	THICKNESS		
CONT	CONTINUOUS		FLOOR DRAIN	LAM	LAMINATE(D)	DI L A VA/I	PLATE	TPD	TOILET PAPER DISPENSER		
CONTR	CONTRACTOR	FD FTG	FOOTING	LAV	LAVATORY	PLBG	PLUMBING	TOS	TOP OF SLAB/STEEL		

	EARTH	BRICK		RIGID INSULATION		1 HR RATING
	SYPSUM BOARD	STEEL		BATT OR LOOSE INSULATION		2 HR RATING
5080808	GRAVEL TYPE 1 ENGINEERED FILL)	GROUT		CAVITY DRAINAGE MAT	1111111	SMOKE RATING
A A A A A	PRECAST CONCRETE	ROUGH WOOD BLOCKING		ALUMINUM		EXISTING BUILDING MATERIALS
(	CRUSHED STONE	ROUGH WOOD BLOCKING, NON-CONTINUOUS		STANDING SEAM ROOF		
$\vee$ $\vee$ $\vee$ $\vee$ $\vee$ .	CONCRETE MASONRY UNIT CMU)	WOOD, FINISHED WOODWORK	\(\frac{1}{4}\) \(\frac{1}{4}\	CONCRETE, POURED		
	METAL STUD PARTITION	PLYWOOD (LARGE SCALE)		TERRAZZO		







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PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

1 07/03/2024 JUNE ROCK HILL

R23.00720.00



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**ARCHITECT** 

SHEET INFORMATION 100% CONSTRUCTION DOCUMENTS Drawn By CPL Drawing Title

Drawing Number

**ABBREVIATIONS** 

COVER, DRAWING LIST &

UL Product **iQ**®

XHBN.BW-S-0001 - Joint Systems

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction. • Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance
- encountered in the field. • When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials
- and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

See General Information for Joint Systems

### XHBN - Joint Systems XHBN7 - Joint Systems Certified for Canada

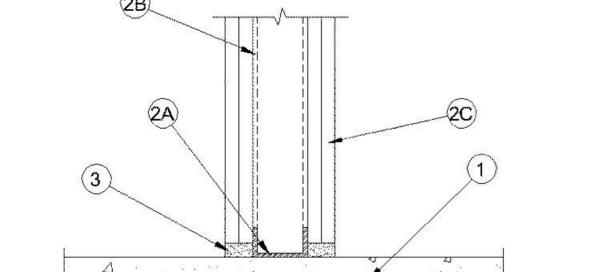
### See General Information for Joint Systems Certified for Canada

### January 26, 2015

System No. BW-S-0001

ANSI/UL2079

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1 and 2 Hr (See Item 2)	F Ratings — 1 and 2 Hr (See Item 2)
Nominal Joint Width - 3/4 In.	FT Ratings — 1 and 2 Hr (See Item 2)
L Rating at Ambient — Less than 1 CFM/Lin Ft	FH Ratings — 1 and 2 Hr (See Item 2)
L Rating at 400° F — Less than 1 CFM/Lin Ft	FTH Ratings — 1 and 2 Hr (See Item 2)
	Nominal Joint Width - 3/4 In.
	L Rating at Ambient — Less than 1 CFM/Lin Ft
	L Rating at 400° F — Less than 1 CFM/Lin Ft



1. Floor Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete. Floor may also be constructed of any 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete

See **Precast Concrete Units** category in the Fire Resistance Directory for names of manufactures.

not to exceed 24 in. (610 mm) OC.

fire rating of the wall.

2. Wall Assembly — The 1 or 2 h fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory. In addition, the wall may incorporate a head-of-wall joint system constructed as specified in the HW Series Joint Systems in the UL Fire Resistance Directory. The wall shall include the following construction features: A. Steel Floor Runner — Floor runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to

with steel fasteners spaced 12 in. (305 mm) OC. B. Studs — Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in, resting on and fastened to floor runner with sheet metal screws. Stud spacing

accommodate steel studs (Item 2B). Floor runners to be provided with min 1-1/4 in. (32 mm) flanges. Runners secured

C. Gypsum Board\* — Gypsum board installed to a min total thickness of 5/8 or 1-1/4 in. (16 or 32 mm) on each side of wall for a 1 or 2 hr rated wall, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory, except that a max 3/4 in. (19 mm) gap shall be maintained between the bottom of gypsum board and top of concrete floor. The hourly fire rating of the joint system is equal to the hourly

3. Fill, Void or Cavity Material\* Sealant — Max separation between top of floor and bottom of gypsum board is 3/4 in... (19 mm). For 1 and 2 hr rated wall assemblies, min 5/8 in. or 1-1/4 in. (16 or 1-1/4 mm) thickness of fill material, respectively, installed on each side of the wall between the bottom of the gypsum board and the top of the concrete floor, flush with each

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S Elastomeric Firestop Sealant, CP606 Flexible Firestop Sealant, CFS-S

jurisdictions employing the UL or cUL Certification (such as Canada),

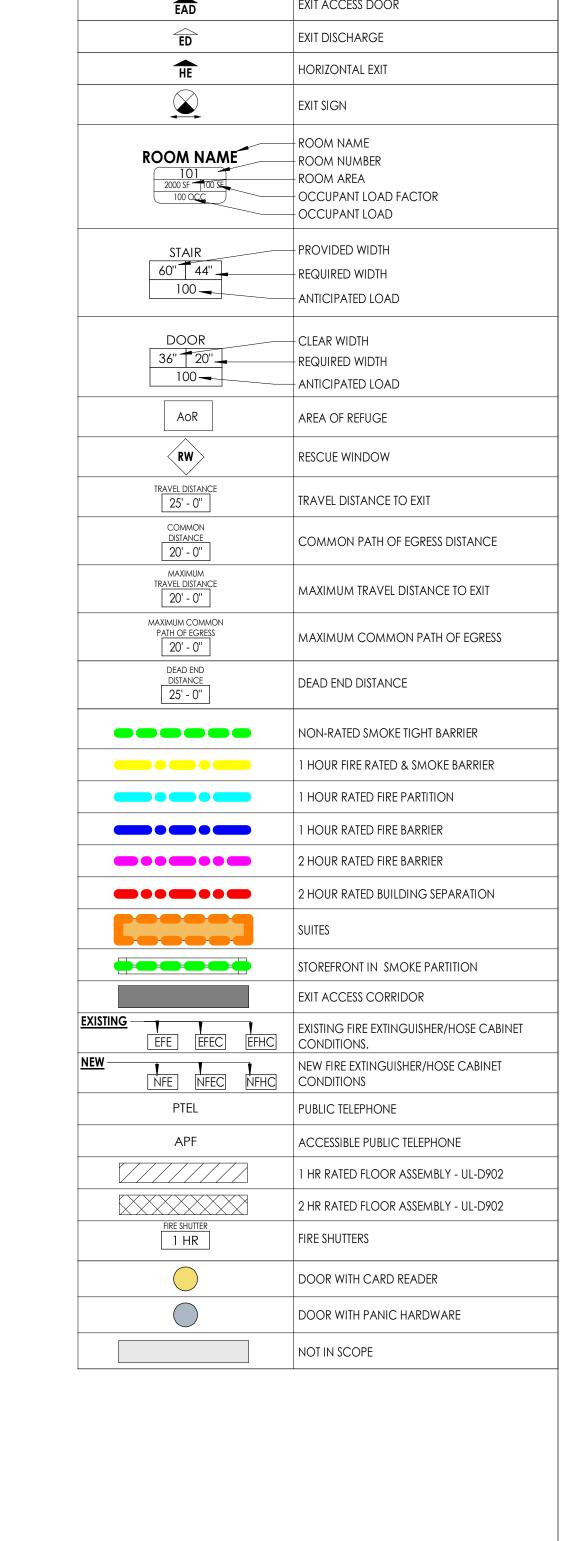
SIL GG, FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

# \* Indicates such products shall bear the UL or cUL Certification Mark for

<u>Last Updated</u> on 2015-01-26

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EXIT	EXIT
0.0	EXIT UNITS
<b>€</b> AD	EXIT ACCESS DOOR
€D ED	EXIT DISCHARGE
HE	HORIZONTAL EXIT
	EXIT SIGN
ROOM NAME  101 2000 SF 1100 SE 100 OCC	ROOM NAME ROOM NUMBER ROOM AREA OCCUPANT LOAD FACTOR OCCUPANT LOAD
STAIR 60" 44" 100	PROVIDED WIDTH REQUIRED WIDTH ANTICIPATED LOAD
DOOR 36" 20"	CLEAR WIDTH REQUIRED WIDTH ANTICIPATED LOAD
AoR	AREA OF REFUGE
RW	RESCUE WINDOW
TRAVEL DISTANCE 25' - 0"	TRAVEL DISTANCE TO EXIT
COMMON DISTANCE 20' - 0"	COMMON PATH OF EGRESS DISTANCE
maximum travel distance 20' - 0"	MAXIMUM TRAVEL DISTANCE TO EXIT
maximum common Path of egress 20' - 0"	MAXIMUM COMMON PATH OF EGRESS
DEAD END DISTANCE 25' - 0"	DEAD END DISTANCE
	NON-RATED SMOKE TIGHT BARRIER
	1 HOUR FIRE RATED & SMOKE BARRIER
	1 HOUR RATED FIRE PARTITION
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED BUILDING SEPARATION
	SUITES
<del></del>	STOREFRONT IN SMOKE PARTITION
	EXIT ACCESS CORRIDOR
EXISTING  EFE EFEC EFHC  NEW	EXISTING FIRE EXTINGUISHER/HOSE CABINET CONDITIONS.  NEW FIRE EXTINGUISHER/HOSE CABINET
NFE NFEC NFHC	CONDITIONS
PTEL APF	PUBLIC TELEPHONE  ACCESSIBLE PUBLIC TELEPHONE
(//////	1 HR RATED FLOOR ASSEMBLY - UL-D902
FIRE SHUTTER  1 HR	2 HR RATED FLOOR ASSEMBLY - UL-D902 FIRE SHUTTERS
	DOOR WITH CARD READER

LIFE SAFETY SYMBOL LEGEND

ACCESSIBLE BUILDING ENTRANCE

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE
w Date Description

R23.00720.00

Project Name

PROFESSIONAL STAMPS

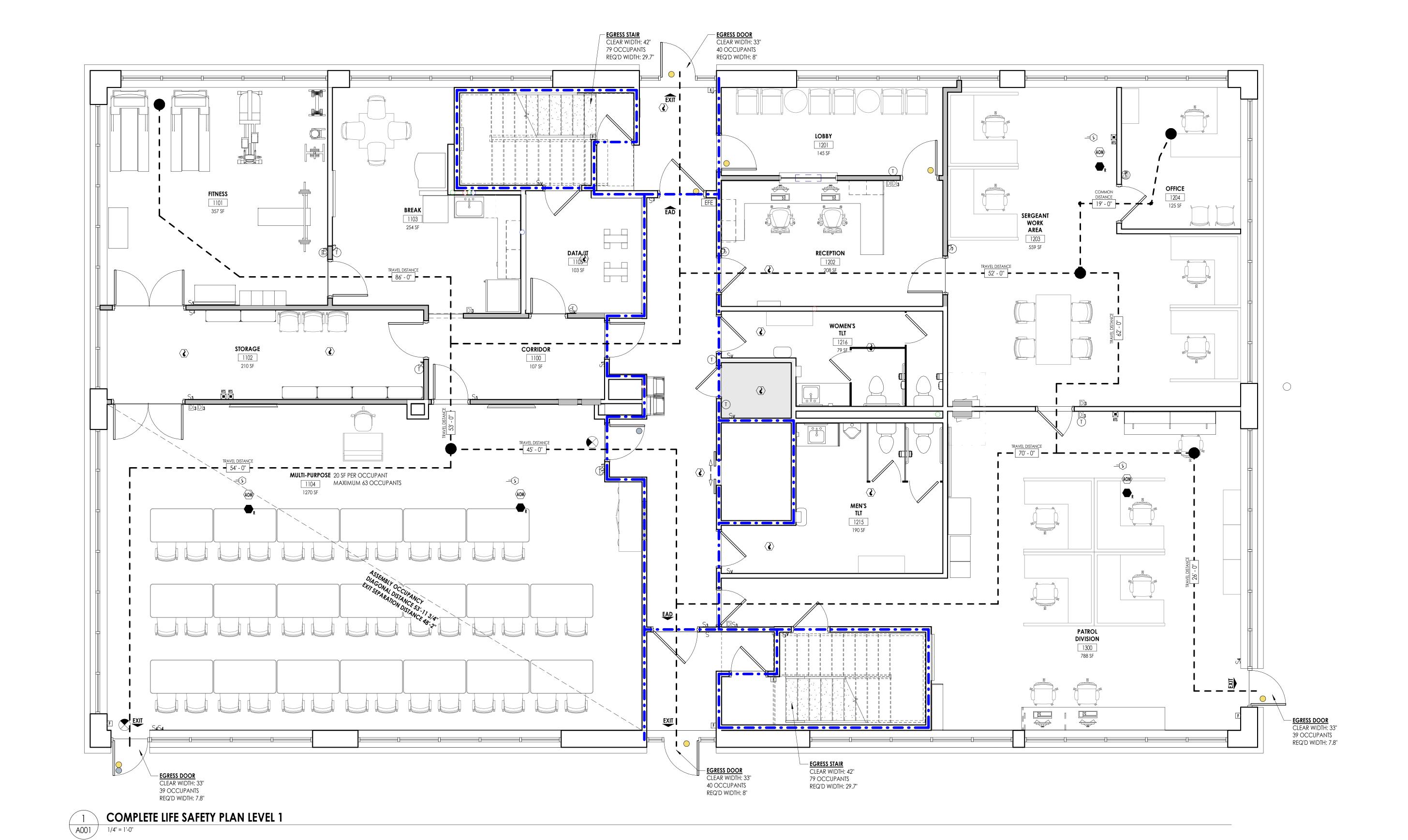




SHEET INFORMATION 05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS NDS Drawing Title OVERALL LIFE SAFETY PLAN LEVEL

Drawing Number

A001



### XHBN.HW-D-0020 - Joint Systems

Design/System/Construction/Assembly Usage Disclaimer

use of UL Certified products, equipment, system, devices, and materials. Authorities Having Jurisdiction should be consulted before construction.

• Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance

Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and

• When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials

and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

See General Information for Joint Systems Certified for Canada

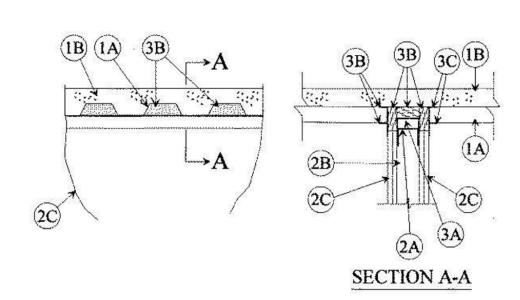
# XHBN - Joint Systems

XHBN7 - Joint Systems Certified for Canada See General Information for Joint Systems

### System No. HW-D-0020

#### ANSI/UL2079 CAN/ULC S115

Assembly Ratings — 1 and 2 Hr (See Items 2 and 3B)	F Ratings — 1 and 2 Hr (See Items 2 and 3B)
Nominal Joint Width - 1 In.	FT Ratings — 1 and 2 Hr (See Items 2 and 3B)
Class II Movement Capabilities — 25% Compression or Extension	FH Ratings— 1 and 2 Hr (See Items 2 and 3B)
L Rating At Ambient — Less Than 1 CFM/sq ft (See Item 3C)	FTH Ratings — 1 and 2 Hr (See Items 2 and 3B)
L Rating At 400 F — Less Than 1 CFM/sq ft (See Item 3C)	Nominal Joint Width - 25 mm
	Class II Movement Capabilities — 25% Compression or Extension
	L Rating At Ambient — Less Than 1.55 L/s/lin m (See Item 3C)
	L Rating At 400 F — Less Than 1.55 L/s/lin m (See Item 3C)



1. Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features: A. Steel Floor And Form Units\* — Max 3 in. (76 mm) deep galv steel fluted floor deck.

A1. Spray Applied Fire Resistive Material\* — (Optional, Not Shown) — Prior to the installation of the Deflective Channel, Forming Material and Fill, Void or Cavity Material (Items 3A, 3B, 3C), the steel floor units may be sprayed with a min 5/16 in. (8 mm) thickness to max 11/16 in. (18 mm) thickness of fire resistive material GCP APPLIED TECHNOLOGIES INC — Type MK-6/HY

B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly** — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features: A. Steel Roof Deck — Max 3 in. (76 mm) deep galv steel fluted roof deck.

B. Roof Insulation — Max 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.

2. **Wall Assembly** — The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor And Ceiling Runners — Floor and ceiling runners of wall assembly shall consist of galv steel channels 🔫 sized to accommodate steel studs (Item 2B). When optional deflection channel (Item 3A) is used, ceiling runner to be 🗒 provided with 3 in. (76 mm) flanges. Ceiling runner installed within the deflection channel with 1 in. (25 mm) gap maintained between the top of ceiling runner and top of deflection channel. When deflection channel is not used, flange height of ceiling runner shall be min 3/4 in. (19 mm) greater than nom joint width. Ceiling runner is installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or by welds spaced max 24 in. (610 mm) OC. When optional spray-applied fire resistive material is used on the steel deck and when

deflection channel is not used, ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC.

A1. Light Gauge Framing\* — Slotted Ceiling Runner — As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When slotted ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel deck, slotted ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC. BRADY CONSTRUCTION INNOVATIONS INC, DBA SLIPTRACK SYSTEMS — SLP-TRK

CALIFORNIA EXPANDED METAL PRODUCTS CO — CST

**CLARKDIETRICH BUILDING SYSTEMS** — Type SLT, SLT-H

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — SDT250, SDT300

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Type SLT

METAL-LITE INC — The System

OLMAR SUPPLY INC — STT250, STT300

R & P SUPPLY — SCT250, SCT300

RAM SALES L L C — RAM Slotted Track

SCAFCO STEEL STUD MANUFACTURING CO STEELER INC — Steeler Slotted Ceiling Runner

**TELLING INDUSTRIES L L C** — True-Action Deflection Track

A2. Light Gauge Framing\* — Floor and Ceiling Runners — As an alternate to the ceiling and floor runners in Item 2A, 2A1 and 2A2, floor and ceiling runners to consist of galv steel channel sized to accommodate the Light Gauge Framing\* Slotted Stud (Item 2B1) or Light Gauge Framing\* Slider C-Clip System (Item 2B2). Floor and ceiling runners to be provided with min 1-1/4 in. and 3 in. (32 and 76 mm) flanges, respectively. Ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 12 in. (305 mm) OC. When ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional sprayapplied fire resistive material is used on the steel deck, ceiling runner is secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC. STEELER INC — Floor and Ceiling Runners

A3. Light Gauge Framing\* — Notched Ceiling Runner — As an alternate to the ceiling runners in Items 2A through 2A3, notched ceiling runners to consist of C-shaped galv steel channel with notched return flanges sized to accommodate steel studs (Item 2B). Notched ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 24 in. (610 mm) OC. When notched ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional spray-applied fire resistive material is used on the steel

deck, notched ceiling runner secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC. OLMAR SUPPLY INC — Type SCR

A4. Light Gauge Framing\* — Floor and Ceiling Runners — As an alternate to the ceiling and floor runners in Item 2A, through 2A4, floor and ceiling runners to consist of galv steel channel sized to accommodate the Light Gauge Framing\* Steel Studs (Item 2B3). Floor and ceiling runners to be provided with min 1-3/4 in. flanges. Ceiling runner installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors spaced max 12 in. (305 mm) OC. When ceiling runner is used, deflection channel (Item 3A) shall not be used. When optional sprayapplied fire resistive material is used on the steel deck, ceiling runner is secured through spray-applied material to each valley of steel deck with min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC. CALIFORNIA EXPANDED METAL PRODUCTS CO — ViperTrack™

B. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in

B1. Light Gauge Framing\* — Slotted Studs — Slotted steel stud to be used in conjunction with Light Gauge Framing\* — Floor and Ceiling Runners (Item 2A3). Slotted studs to be min 3-1/2 in. (89 mm) wide. Slotted steel studs cut 1 in. (25 mm) less in length than assembly height with bottom nesting in and secured to both ceiling and floor runners. Ceiling runner secured to preformed slot within steel stud by means of No. 10 by 3/4 in. (19 mm) long low profile head steel screw. Floor runner attached to bottom of steel stud by means of No. 8 by 1/2 in. (13 mm) long pan head steel screw. Slotted steel stud spacing not to exceed 24 in. (610 mm) OC. STEELER INC — Slotted Stud

B2. Light Gauge Framing\* — Slider C-Clip System — As an alternate to the Light Gauge Framing\* — Slotted Steel Studs (Item 2B1), a Slider C-Clip System consisting of a C shaped steel clip with a slotted opening and a steel stud to be used in conjunction with **Light Gauge Framing\*** — **Floor and Ceiling Runners** (Item 2A3). Steel clips and studs to be min 3-1/2 in. (89 mm) wide. Steel clip inserted into inside flange of steel stud without attachment. Total length of steel stud cut 1 in. (25 mm) less than assembly height with bottom of steel stud nesting in and secured to floor runner. Floor runner attached to bottom of steel stud by means of No. 8 by 1/2 in. (13 mm) long pan head steel screw. Ceiling runner secured to steel C-Clip by means of No. 10 by 3/4 in. (19 mm) long pan head steel screw located 3/8 in. (10 mm) below top of ceiling runner. Top row of gypsum board screws shall be centered within the preformed slot of the C-Clip. Steel stud and steel clips spacing not to exceed 24 in. (610 mm) OC. STEELER INC — Slider C Clip System

B3. Light Gauge Framing\* — Steel Studs — Steel Studs to be used in conjunction with Light Gauge Framing\* — Floor and Ceiling Runners (Item 2A5). Steel studs to be min 3-5/8 in. (92 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. Stud spacing not to exceed 24 in (610 mm) OC. CALIFORNIA EXPANDED METAL PRODUCTS CO — ViperStud™

C. Gypsum Board\* — Gypsum board sheets installed to a min total thickness of 5/8 in. and 1-1/4 in. (16 and 32 mm) on each side of wall for 1 and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual

Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel floor or roof deck and the top row of screws shall be installed into the studs 3-1/2 in. (89 mm) below the lower surface the floor or roof deck. **The hourly fire rating of** the joint system is equal to the hourly fire rating of the wall.

The hourly Assembly, F, FH FT and FTH Ratings of the joint system are equal to the hourly fire rating of the wall.

3. Joint System — Max separation between bottom of floor or roof and top of wall is 1 in. (25 mm). The joint system is designed to accommodate a max 25 percent compression or extension from its installed width. The joint system consists of an optional deflection channel, forming material and a fill material, as follows:

A. Deflection Channel — (Optional) — A nom 3-5/8 in. (92 mm) wide by 3 in. (76 mm) deep min 24 ga steel U-shaped channel. Deflection channel installed perpendicular to direction of fluted steel deck and secured to valleys with steel masonry anchors or by welds spaced max 24 in. (610 mm) OC. When optional spray-applied fire resistive material is used on the steel deck, deflection channel secured through spray-applied material to each valley of steel deck with min 1-1/2 in. (38 mm) long by min 3/16 in. (5 mm) diam steel masonry anchors spaced max 12 in. (305 mm) OC. The ceiling runner (Item 2A) is installed within the deflection channel to maintain a 1 in. (25 mm) gap between the top of the ceiling runner and the top of the deflection channel. The ceiling runner is not fastened to the deflection channel.

B. Forming Material\* — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) density mineral wool batt insulation cut to the shape of the fluted deck, approx 20 percent larger than the area of the flutes and compressed into flutes of the steel floor or roof deck between the top of the deflection channel or ceiling runner and the steel deck. Additional pieces of min 4 pcf (64 kg/m³) mineral wool batt insulation are to be cut to the contour of the flutes with an additional 1-3/8 in. (35 mm) high section at the bottom of the shapes to fill the 1 in. (25 mm) gap between the top of the gypsum board and bottom of the steel floor or roof deck. The additional pieces of mineral wool are compressed and firmly packed into the flutes and the gap between the top of the gypsum board and bottom of the steel floor units on both sides of the wall and shall be a min 3/4 in. (19 mm) thick for 1 hr Rated Design and a min 1-1/2 in. (38 mm) thick for 2

INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing

ROCKWOOL MALAYSIA SDN BHD — Type Safe

**ROCK WOOL MANUFACTURING CO** — Delta Board or Delta-8

ROCKWOOL — Type Safe

**THERMAFIBER INC** — Type SAF

B1. Forming Material\* — (Optional, Not Shown) — Preformed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes above the ceiling channel. The plugs shall project beyond each side of the ceiling runner and shall be recessed from both wall surfaces to accommodate the required thickness of fill material (Item 3C). Additional forming material, described in Item 3B, to be used in conjunction with the plugs to fill the gap between the top of gypsum board and bottom of steel deck. **THERMAFIBER INC** — TopStop mineral wool deck plugs Type SAF batts

C. Fill, Void or Cavity Material\* — Min 1/16 in. (1.6 mm) dry (1/8 in. or 3.2 mm wet) thickness of fill material sprayed 💆 or brushed on each side of the wall in the flutes of the steel floor or roof deck units and between the top of the gypsum board and the bottom of the steel floor or roof deck units to completely cover mineral wool and overlap a min of 1/2 in. (13 mm) into gypsum board and steel floor deck on both sides of wall. When the steel floor deck is coated with spray-applied material (Item A1), the fill material shall overlap min 2 in. (51 mm) onto the spray-applied material.

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PROJECT INFORMATION

R23.00720.00

YORK COUNTY, SC

Project Name DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

ACCESSIBLE BUILDING ENTRANCE

LIFE SAFETY SYMBOL LEGEND

EXIT ACCESS DOOR EXIT DISCHARGE HORIZONTAL EXIT

**ROOM NAME** ROOM AREA OCCUPANT LOAD FACTOR OCCUPANT LOAD

ANTICIPATED LOAD

REQUIRED WIDTH 100 🚤 ANTICIPATED LOAD AoR AREA OF REFUGE

RESCUE WINDOW TRAVEL DISTANCE TO EXIT 25' - 0''

COMMON PATH OF EGRESS DISTANCE MAXIMUM TRAVEL DISTANCE MAXIMUM TRAVEL DISTANCE TO EXIT 20' - 0''

PATH OF EGRESS 20' - 0" MAXIMUM COMMON PATH OF EGRESS DEAD END DISTANCE

NON-RATED SMOKE TIGHT BARRIER 1 HOUR FIRE RATED & SMOKE BARRIER I HOUR RATED FIRE PARTITION 1 HOUR RATED FIRE BARRIER 

2 HOUR RATED FIRE BARRIER 2 HOUR RATED BUILDING SEPARATION STOREFRONT IN SMOKE PARTITION

EXIT ACCESS CORRIDOR EXISTING FIRE EXTINGUISHER/HOSE CABINET EFE EFEC EFHC CONDITIONS. NFE NFEC NFHC CONDITIONS

1 HR

NEW FIRE EXTINGUISHER/HOSE CABINET PTEL PUBLIC TELEPHONE ACCESSIBLE PUBLIC TELEPHONE 

DOOR WITH CARD READER

NOT IN SCOPE

DOOR WITH PANIC HARDWARE

100% CONSTRUCTION DOCUMENTS 1 HR RATED FLOOR ASSEMBLY - UL-D902 NDS Drawing Title 2 HR RATED FLOOR ASSEMBLY - UL-D902 OVERALL LIFE SAFETY PLAN LEVEL FIRE SHUTTERS

Drawing Number

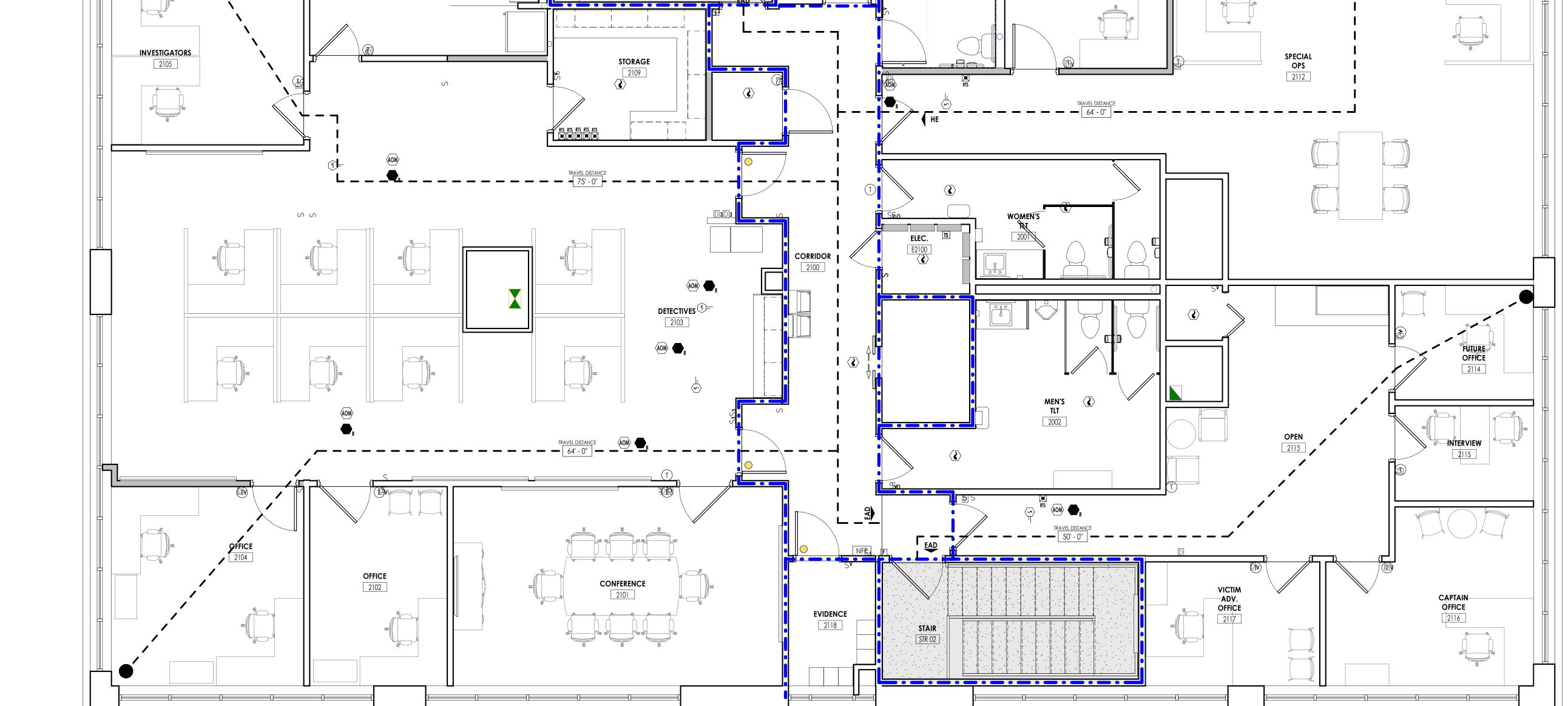
SHEET INFORMATION

05/09/2024

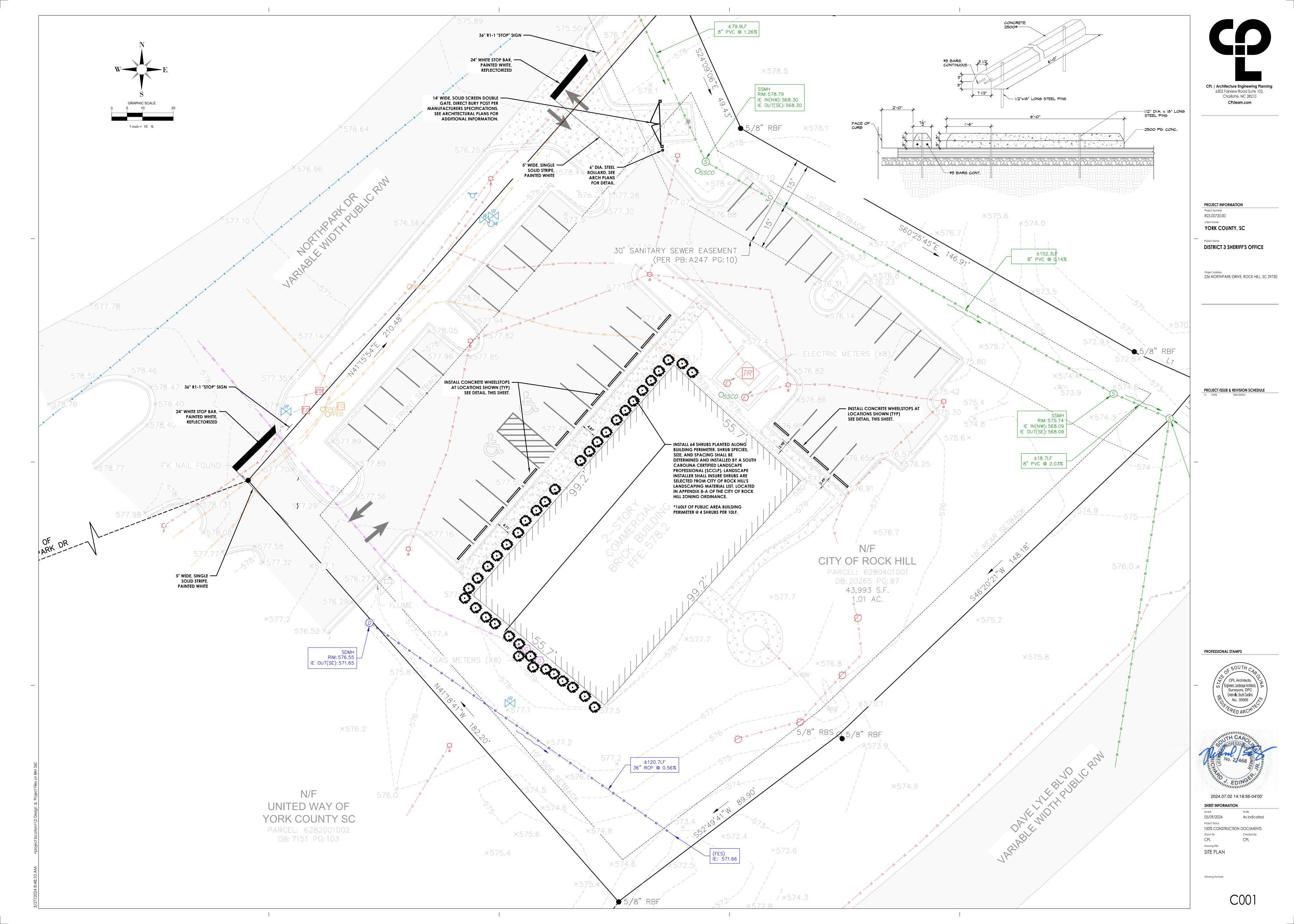
Project Status

PROFESSIONAL STAMPS

As indicated





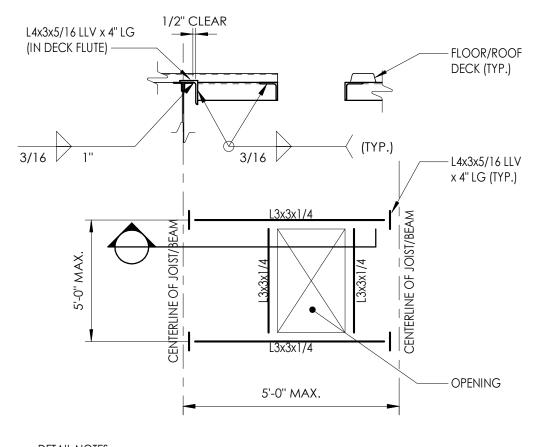


DETAIL NOTES:

1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS. 2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL

ROOF EQUIPMENT SUPPORT DETAIL

CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.



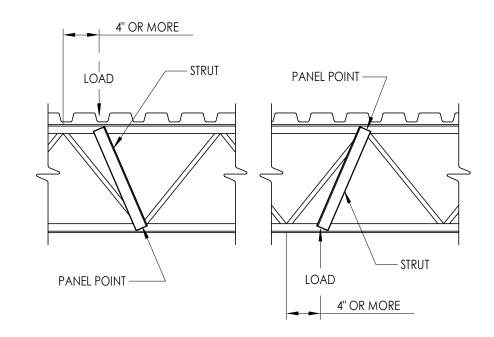
**DETAIL NOTES:** 1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.

2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS

WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT

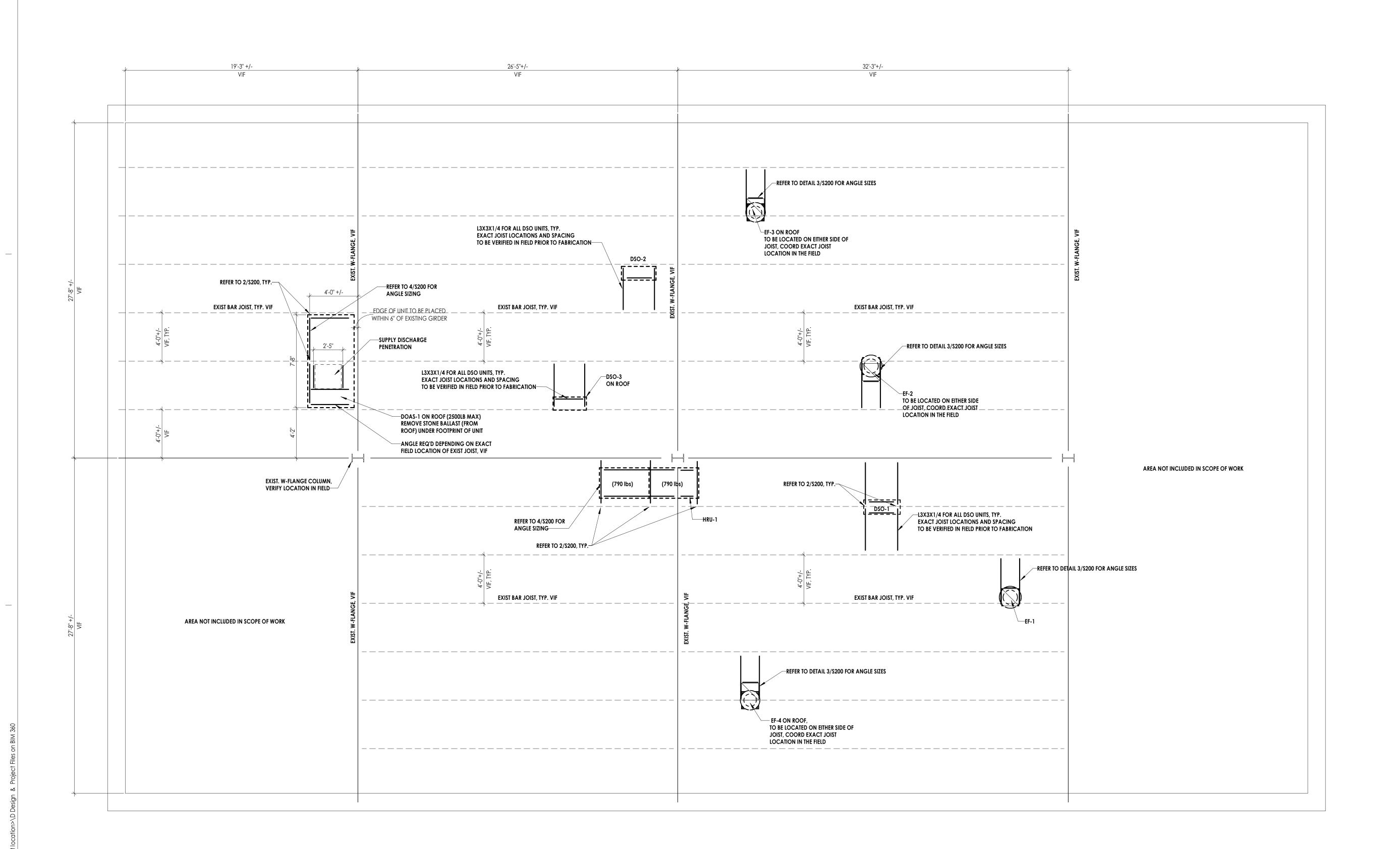
**ROOF OR FLOOR OPENING SUPPORT DETAIL** S200

SUBMITTAL.



WHEN A CONCENTRATED LOAD EQUAL TO OR GREATER THAN 200 LBS. OCCURS 4" OR MORE FROM A PANEL POINT, A FIELD WELDED STRUT COMPOSED OF (2) L2x2x3/16 SHALL BE ADDED FROM THE POINT OF THE CONCENTRATED LOAD TO THE PANEL POINT ON THE OPPOSITE CHORD.

CONCENTRATED LOAD ON JOIST DETAIL \$200 3/4" = 1'-0"







### **DESIGN CRITERIA NOTES**

GENERAL BUILDING CODE - THE CONSTRUCTION DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE 2021 BUILDING CODE OF SOUTH CAROLINA.

- BUILDING RISK CATEGORY THE BUILDING HAS BEEN ASSIGNED A RISK CATEGORY BASED ON NATURE OF OCCUPANCY IN ACCORDANCE WITH PREVIOUSLY MENTIONED CODE TO THE FOLLOWING CRITERIA:
- A. RISK CATEGORY: IV, ESSENTIAL FACILITY.

#### 3. **DEAD AND LIVE LOADS**

- A. THE DEAD LOADS ARE THE SELF WEIGHT OF MATERIALS OF CONSTRUCTION INCORPORATED INTO AND ON THE BUILDING.
- B. THE UNIFORMLY DISTRIBUTED AND/OR CONCENTRATED LIVE LOADS USED IN THE DESIGN OF THE BUILDING ARE BASED ON THE FOLLOWING INTENDED USE OR OCCUPANCIES:
  - a. ROOFS: 20 PSF / 300 LB ON MAINTENANCE SURFACE
- 4. **ROOF SNOW LOAD DATA** SNOW LOADS ARE BASED ON CHAPTER 7 OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE FOLLOWING CRITERIA:
- A. GROUND SNOW LOAD (Pg): B. FLAT-ROOF SNOW LOAD (Pf): C. SNOW EXPOSURE FACTOR (Ce):

D. SNOW LOAD IMPORTANCE FACTOR (IS): 1.2

E. THERMAL FACTOR (Ct):

F. COMPONENTS AND CLADDING:

ANALYSIS PROCEDURE USED:

F. SLOPE FACTORS (Cs): G. MINIMUM REQUIRED SNOW (Pm) 12 PSF WIND DESIGN DATA - WIND PRESSURES ARE BASED ON CHAPTER 26 OF THE AMERICAN SOCIETY OF CIVIL

NGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7 AND THE

- FOLLOWING CRITERIA: A. BASIC DESIGN WIND SPEED (V): 125 MPH B. ALLOWABLE STRESS DESIGN WIND SPEED (Vasd): 97 MPH
- RISK CATEGORY: WIND EXPOSURE: INTERNAL PRESSURE COEFFICIENT (GCPi): + 0.18/- 0.18
- EARTHQUAKE DESIGN DATA THE STRUCTURE AND COMPONENTS OF THE BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED CODE WITH THE FOLLOWING CRITERIA:

SEE DIAGRAM

- A. RISK CATEGORY: B. SEISMIC IMPORTANCE FACTOR (Ie): C. 0.2 SEC MAPPED SPECTRAL RESPONSE (Ss): 0.235 D. 1 SEC MAPPED SPECTRAL RESPONSE (S1): 0.089 SITE CLASS: F. 0.2 SEC SPECTRAL RESPONSE COEF. (Sds): 0.251 G. 1 SEC SPECTRAL RESPONSE COEF. (Sd1): 0.142 H. SEISMIC DESIGN CATEGORY:
- **ROOF RAIN LOAD DATA** THE DESIGN RAINFALL BASED ON THE 100-YEAR HOURLY RAINFALL RATE OR DETERMINED BY LOCAL WEATHER USED IN THE DESIGN OF THE BUILDING IS BASED ON THE FOLLOWING:
- A. RAIN INTENSITY (i):
- 8. **SEISMIC DEMANDS ON NON-STRUCTURAL COMPONENTS**, AND CONNECTIONS OF THOSE COMPONENTS O THE PRIMARY STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED CODE, THE GENERAL SEISMIC CRITERIA LISTED ABOVE, AND THE REQUIREMENTS OF ASCE 7, CHAPTER 13 AS APPROPRIATE.
- HANDRAILS AND GUARDS THE HANDRAIL ASSEMBLIES AND GUARDS SHALL BE DESIGNED FOR 50 PLF OR A CONCENTRATED LOAD OF 200 LBS AT ANY POINT APPLIED IN ANY DIRECTION AT THE TOP AND TO TRANSFER THIS LOAD THROUGH THE SUPPORTS TO THE STRUCTURE. THESE LOADS NEED NOT BE ASSUMED TO ACT CONCURRENTLY.
- 10. **FUTURE EXPANSION** NO PROVISIONS HAVE BEEN MADE IN THE STRUCTURAL DESIGN FOR FUTURE HORIZONTAL OR VERTICAL BUILDING EXPANSION.
- 11. **<u>RESTRAINED CONSTRUCTION CLASSIFICATION</u>** IN ACCORDANCE WITH ASTM E 119, ALL FLOOR CONSTRUCTION IS CLASSIFIED AS RESTRAINED CONSTRUCTION.
- 12. **ROOF TOP EQUIPMENT ANCHORAGE** ALL ROOF TOP EQUIPMENT CURBS, MECHANICAL EQUIPMENT, TIE DOWNS, AND CONNECTIONS OF ALL EQUIPMENT TO BUILDING STRUCTURE FOR WIND AND SEISMIC LOADING ARE TO BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER RETAINED BY THE EQUIPMENT SUPPLIER.

### **EXISTING CONSTRUCTION NOTES**

- . BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING FACILITY, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT AND ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS.
- 2. THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW WORK TO THE EXISTING WORK.
- 3. WORK SHOWN ON THE DRAWINGS IS NEW, UNLESS NOTED AS EXISTING.
- 4. EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS WAS OBTAINED FROM LIMITED SITE OBSERVATION.
- 5. IF ANY ARCHITECTURAL, STRUCTURAL, OR MECHANICAL MEMBERS OR COMPONENTS NOT DESIGNATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY AND APPROVAL MUST BE OBTAINED PRIOR TO REMOVAL OF THOSE MEMBERS.
- 6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND TAKE CARE TO PROTECT EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE.
- 7. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE DESIGN PROFESSIONAL.

### **ROOF FRAMING PLAN NOTES**

- 1. CONTRACTOR SHALL VERIFY ROOFTOP UNIT WEIGHTS IF SHOWN WITH EQUIPMENT MANUFACTURER. CONTRACTOR TO NOTIFY ENGINEER PRIOR TO INSTALLING ROOFTOP UNITS IF TOTAL UNIT OPERATING WEIGHT EXCEEDS VALUE LISTED ON PLAN.
- 2. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN, AND ALL LOCATIONS SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS. CONTRACTOR TO COORDINATE.

YORK COUNTY, SC

PROJECT INFORMATION

Project Name

DISTRICT 3 SHERIFF'S OFFICE

236 Northpark Drive, Rock Hill, SC 29730

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102, Charlotte, NC 28210

CPLteam.com

PROJECT ISSUE & REVISION SCHEDULE Description 1 07/03/2024 JUNE ROCK HILL COMMENTS





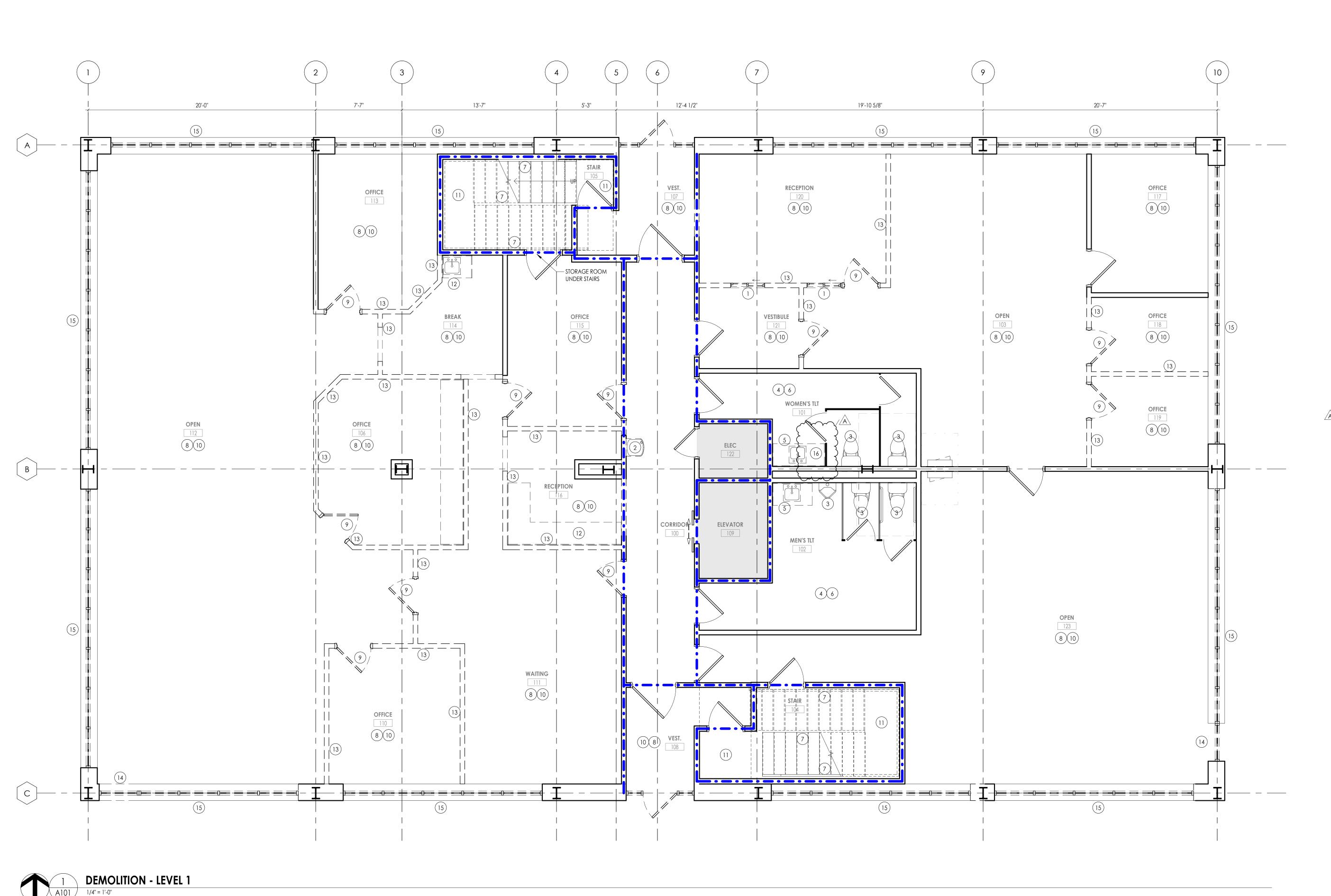


SHEET INFORMATION

Drawing Number

06/24/24 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By LBS SW

> Drawing Title STRUCTURAL PLAN AND DETAILS



### **DEMOLITION GENERAL NOTES**

- 1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF MATERIALS TO BE REMOVED. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS & DIMENSIONS PRIOR TO COMMENCEMENT OF ALL
- DEMOLITION WORK.

  2. REFER TO THE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR DEMOLITION OF EXISTING UTILITIES AND SERVICES.
- ALL ITEMS TO BE SALVAGED WITHIN THE DEMOLITION AREA WILL BE REMOVED BY THE OWNER PRIOR TO ONSET OF DEMOLITION WORK.
   REMAINING SUBSTRATES SHALL BE LEFT IN A CONDITION ACCEPTABLE TO RECEIVE NEW WORK. WHERE NEW FINISHES ARE SCHEDULED AT EXISTING CONDITIONS, REMOVE EXISTING FINISHES DOWN TO SUBSTRATE AMD PREPARE SURFACE FOR NEW FINISH.
   THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND
- EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION.
  REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE DRAWINGS, FOR PERFORMING DEMOLITION OF ALL WORK INDICATED ON THE
- DRAWINGS, FOR PERFORMING DEMOLITION OF ALL WORK INDICATED ON THE CONSTRUCTION DRAWINGS. THE EXISTING CEILING SHALL BE REMOVED AND REPLACED IN A MANNER TO AVOID DAMAGE TO THE WALL SYSTEM.

  NOTIFY ARCHITECT AND OWNER OF EXISTING DUCTWORK, PIPE AND CONDUIT PENETRATIONS EXPOSED AFTER DEMOLITION THAT ARE NOT FIRESTOPPED THROUGH
- PENETRATIONS EXPOSED AFTER DEMOLITION THAT ARE NOT FIRESTOPPED THROUGH EXISTING FLOORS AND WALLS IDENTIFIED AS FIRE AND/OR SMOKE RATED ON LIFE SAFETY PLANS. EXISTING NON-COMPLIANT PENETRATIONS ARE TO BE FIRESTOPPED.

  8. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOM CLEANED AT END OF EACH DAY.

  9. IN ALL LOCATIONS THAT A DOOR IS ILLUSTRATED TO BE DEMOLISHED, REMOVE AND
- DISPOSE OF DOOR, FRAME, HARDWARE AND ALL ASSOCIATED ITEMS, UNLESS NOTED OTHERWISE.

  10. ALL ITEMS SHOWN WITH A DASHED LINE ARE TO BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED.

  11. SINKS INDICATED WITHIN MILLWORK BEING REMOVED SHALL ALSO BE REMOVED AND DISPOSED OF, ALONG WITH ALL ASSOCIATED ITEMS. COORDINATE WITH PLUMBING DRAWINGS
- DRAWINGS.

  12. TYPICAL BUILDING COMPONENTS TO BE LEFT IN PLACE WHICH ARE NOT TO BE DEMOLISHED, UNLESS NOTED OTHERWISE:

  A. FIRE PROOFING ON COLUMNS AND BEAMS WHICH IS NOT PART OF A WALL OR
- WHICH MAY BE ENCAPSULATED BY THE WALL OR CEILING ASSEMBLIES.

  B. ELECTRIC, PLUMBING AND HVAC LINES FEEDING AREAS TO REMAIN IN OPERATION. COORDINATE WITH MEP DRAWINGS.

  C. ANY STRUCTURES UNCOVERED AS A RESULT OF DEMOLITION WHICH APPEAR TO BE SUPPORTING IN NATURE AND REQUIRING VERIFICATION PRIOR TO

CEILING SYSTEM. THIS INCLUDES PLASTER, MASONRY, AND CONCRETE COVERS

- DEMOLITION. THIS INCLUDES EQUIPMENT SUPPORTS AND STRUCTURE ADDED AS A RESULT OF PREVIOUS CONSTRUCTION OR ADDITIONS.

  13. THE OWNER WILL REMOVE ALL MOVEABLE OR UNATTACHED ITEMS TO BE SAVED OR STORED PRIOR TO CONTRACTORS' SALVAGE OPERATIONS. ITEMS TO BE SALVAGED INCLUDE BUT ARE NOT LIMITED TO, THOSE ITEMS SHOWN ON THE DRAWINGS.
- OWNER HAS THE RIGHT TO SALVAGE ANY FIXTURES AND/OR MILLWORK WITHIN AN AREA OF DEMOLITION PRIOR TO CONTRACTOR STARTING WORK IN THAT ZONE. COORDINATE TIMING OF SUCH REMOVALS WITH OWNER.
   RECONSTRUCT EXISTING FIREPROOFING DUE TO WALL, CEILING OR EQUIPMENT DEMOLITION. REFER TO A401 FOR PROTECTION RATING REQUIREMENTS.
- CONTAIN HAZARDOUS MATERIALS SUCH AS BUT NOT LIMITED TO MOLD, LEAD PAINT OR ASBESTOS, LEAVE THE PREMISES AND NOTIFY THE OWNER & ABATEMENT CONTRACTOR FOR REQUIRED TESTING AND/OR REMOVALS.

  17. PREP ALL WALLS EXISTING TO REMAIN TO RECEIEVE NEW PAINT CORNER-TO-CORNER.

16. IN THE CASE THAT ANY SUSPICIOUS MATERIALS ARE UNCOVERED THAT APPEAR TO

RE: INTERIORS.

18. REMOVE EXISTING WINDOW TREATMENTS AND ALL ASSOCIATED ITEMS, TYPICAL.

### **DEMOLITION KEY NOTES**

- (1) REMOVE GLAZING AND FRAME IN IT'S ENTIRETY

  REMOVE WATER FOUNTAIN IT IT'S ENTIRETY. PREP EXISTING PLUMBING LINES

  2) AND WALL TO RECEIVE NEW HILLO WATER FOUNTAIN AND BOTTLE FILLER
- 2 AND WALL TO RECEIVE NEW HI-LO WATER FOUNTAIN AND BOTTLE FILLER.
  RE:MEP
  REMOVE PLUMBING FIXTURE IN IT'S ENTIRETY. PREP REMAINING
- CONSTRUCTION TO RECEIVE NEW FIXTURE.
- REMOVE EXISTING TOILET ACCESSORIES, PREP SURFACE TO RECEIVE NEW ACCESSORIES AS SCHEDULED.
- (5) REMOVE EXISTING COUNTERTOP AND SINKS.
- REMOVE EXISTING COUNTERTOP AND SINKS.

  REMOVE EXISTING WALL COVERING, RESILIENT BASE, AND ALL ASSOCIATED
- 7 REMOVE EXISTING HANDRAIL FROM STAIRCASE. PREP ADJACENT CONSTRUCTION TO RECEIVE NEW GUARDRAIL AND HANDRAIL.
- 8 REMOVE CEILING IN IT'S ENTIRETY. PREP ADJACENT WALLS TO RECEIVE NEW CEILING AS INDICATED.
- 9 REMOVE DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.
- REMOVE FLOORING, BASE, AND ALL ASSOCIATED ITEMS IN IT'S ENTIRETY.

  PREP SLAB FOR NEW FLOORING
- PREP SLAB FOR NEW FLOORING

  REMOVE CARPET FROM LANDINGS, PREP FLOOR TO RECEIVE NEW
- MATERIAL AS SCHEDULED.

  REMOVE MILLWORK AND ANY ASSOCIATED PLUMBING FIXTURES IN IT'S

  12 ENTIRETY CUIT BUILDING BACK TO STUR INSIDE WALL PREP WALL TO
- (12) ENTIRETY. CUT PLUMBING BACK TO STUB INSIDE WALL. PREP WALL TO RECEIVE NEW FINISH AS INDICATED.

  REMOVE WALL IN IT'S ENTIRETY OR TO DIMENSION INDICATED. PREP SLAB

  (13) AND REMAINING CONSTRUCTION FOR NEW WORK AS INDICATED ON NEW
- WORK PLAN.

  REMOVE PORTION OF EXTERIOR WALL AND STOREFRONT. PREP EXISTING

  CONSTRUCTION TO RECEIVE NEW DOOR AS INDICATED. FIELD VERIFY

  STOREFRONT CONDITIONS PRIOR TO DEMOUTION. SALVACE EXISTING TO
- STOREFRONT CONDITIONS PRIOR TO DEMOLITION. SALVAGE EXISTING TO BE REUSED WHERE POSSIBLE.

  REMOVE ALL EXTERIOR GLAZING AND STOREFRONT. PREP OPENING TO (15) RECEIVE NEW STOREFRONT. MAINTAIN WEATHERTIGHT CONDITIONS FOR
- DURATION OF CONSTRUCTION.

  REMOVE FLOOR TILE AS NEEDED FOR SLAB CUTTING, REFER TO PLUMBING
- DRAWINGS. PATCH AND REPAIR AS SPECIFIED.

### PROFESSIONAL STAMPS



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PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

R23.00720.00



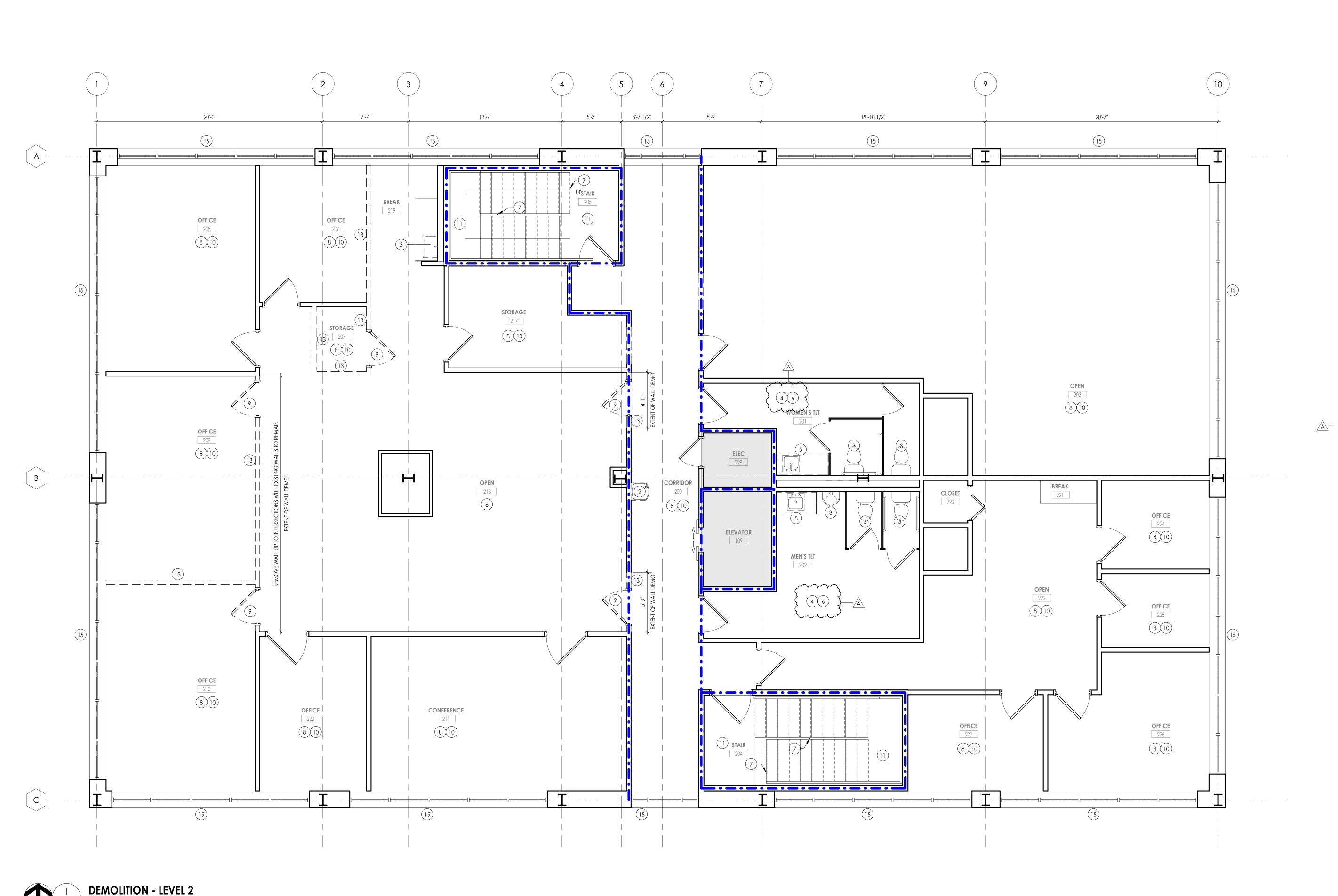
### SHEET INFORMATION

Issued Scale
05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS

OVERALL DEMOLITION PLAN LEVEL 1

Drawing Number

NDS



### **DEMOLITION GENERAL NOTES**

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- THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE
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- NOTIFY ARCHITECT AND OWNER OF EXISTING DUCTWORK, PIPE AND CONDUIT PENETRATIONS EXPOSED AFTER DEMOLITION THAT ARE NOT FIRESTOPPED THROUGH EXISTING FLOORS AND WALLS IDENTIFIED AS FIRE AND/OR SMOKE RATED ON LIFE SAFETY PLANS. EXISTING NON-COMPLIANT PENETRATIONS ARE TO BE FIRESTOPPED. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOM CLEANED AT END OF EACH DAY.
- P. IN ALL LOCATIONS THAT A DOOR IS ILLUSTRATED TO BE DEMOLISHED, REMOVE AND DISPOSE OF DOOR, FRAME, HARDWARE AND ALL ASSOCIATED ITEMS, UNLESS NOTED 10. ALL ITEMS SHOWN WITH A DASHED LINE ARE TO BE REMOVED AND DISPOSED OF
- UNLESS OTHERWISE NOTED. . SINKS INDICATED WITHIN MILLWORK BEING REMOVED SHALL ALSO BE REMOVED AND DISPOSED OF, ALONG WITH ALL ASSOCIATED ITEMS. COORDINATE WITH PLUMBING
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- DEMOLISHED, UNLESS NOTED OTHERWISE: A. FIRE PROOFING ON COLUMNS AND BEAMS WHICH IS NOT PART OF A WALL OR CEILING SYSTEM. THIS INCLUDES PLASTER, MASONRY, AND CONCRETE COVERS WHICH MAY BE ENCAPSULATED BY THE WALL OR CEILING ASSEMBLIES. B. ELECTRIC, PLUMBING AND HVAC LINES FEEDING AREAS TO REMAIN IN
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- . THE OWNER WILL REMOVE ALL MOVEABLE OR UNATTACHED ITEMS TO BE SAVED OR STORED PRIOR TO CONTRACTORS' SALVAGE OPERATIONS. ITEMS TO BE SALVAGED INCLUDE BUT ARE NOT LIMITED TO, THOSE ITEMS SHOWN ON THE DRAWINGS. 14. OWNER HAS THE RIGHT TO SALVAGE ANY FIXTURES AND/OR MILLWORK WITHIN AN AREA OF DEMOLITION PRIOR TO CONTRACTOR STARTING WORK IN THAT ZONE.
- 15. RECONSTRUCT EXISTING FIREPROOFING DUE TO WALL, CEILING OR EQUIPMENT DEMOLITION. REFER TO **A401** FOR PROTECTION RATING REQUIREMENTS. 16. IN THE CASE THAT ANY SUSPICIOUS MATERIALS ARE UNCOVERED THAT APPEAR TO CONTAIN HAZARDOUS MATERIALS SUCH AS BUT NOT LIMITED TO MOLD, LEAD PAINT OR ASBESTOS, LEAVE THE PREMISES AND NOTIFY THE OWNER & ABATEMENT

COORDINATE TIMING OF SUCH REMOVALS WITH OWNER.

- CONTRACTOR FOR REQUIRED TESTING AND/OR REMOVALS. . PREP ALL WALLS EXISTING TO REMAIN TO RECEIEVE NEW PAINT CORNER-TO-CORNER. RE: INTERIORS.
- 18. REMOVE EXISTING WINDOW TREATMENTS AND ALL ASSOCIATED ITEMS, TYPICAL.

### **DEMOLITION KEY NOTES**

- 1 ) REMOVE GLAZING AND FRAME IN IT'S ENTIRETY
- REMOVE WATER FOUNTAIN IT IT'S ENTIRETY. PREP EXISTING PLUMBING LINES 2 ) AND WALL TO RECEIVE NEW HI-LO WATER FOUNTAIN AND BOTTLE FILLER.
- REMOVE PLUMBING FIXTURE IN IT'S ENTIRETY. PREP REMAINING CONSTRUCTION TO RECEIVE NEW FIXTURE.
- REMOVE EXISTING TOILET ACCESSORIES, PREP SURFACE TO RECEIVE NEW ACCESSORIES AS SCHEDULED.
- (5) REMOVE EXISTING COUNTERTOP AND SINKS.

WORK PLAN.

- REMOVE EXISTING WALL COVERING, RESILIENT BASE, AND ALL ASSOCIATED  $^{\circ}$  items. Patch/Repair wall as needed to receive New Finshes.
- REMOVE EXISTING HANDRAIL FROM STAIRCASE. PREP ADJACENT CONSTRUCTION TO RECEIVE NEW GUARDRAIL AND HANDRAIL.
- REMOVE CEILING IN IT'S ENTIRETY. PREP ADJACENT WALLS TO RECEIVE NEW © CEILING AS INDICATED.
- (9) REMOVE DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.
- REMOVE FLOORING, BASE, AND ALL ASSOCIATED ITEMS IN IT'S ENTIRETY. PREP SLAB FOR NEW FLOORING
- REMOVE CARPET FROM LANDINGS, PREP FLOOR TO RECEIVE NEW / MATERIAL AS SCHEDULED. REMOVE MILLWORK AND ANY ASSOCIATED PLUMBING FIXTURES IN IT'S
- ) ENTIRETY. CUT PLUMBING BACK TO STUB INSIDE WALL. PREP WALL TO RECEIVE NEW FINISH AS INDICATED. REMOVE WALL IN IT'S ENTIRETY OR TO DIMENSION INDICATED. PREP SLAB B) AND REMAINING CONSTRUCTION FOR NEW WORK AS INDICATED ON NEW
- REMOVE PORTION OF EXTERIOR WALL AND STOREFRONT. PREP EXISTING CONSTRUCTION TO RECEIVE NEW DOOR AS INDICATED. FIELD VERIFY STOREFRONT CONDITIONS PRIOR TO DEMOLITION. SALVAGE EXISTING TO
- BE REUSED WHERE POSSIBLE. REMOVE ALL EXTERIOR GLAZING AND STOREFRONT. PREP OPENING TO
- RECEIVE NEW STOREFRONT. MAINTAIN WEATHERTIGHT CONDITIONS FOR DURATION OF CONSTRUCTION.  $\cdots$
- REMOVE FLOOR TILE AS NEEDED FOR SLAB CUTTING, REFER TO PLUMBING DRAWINGS. PATCH AND REPAIR AS SPECIFIED.

PROFESSIONAL STAMPS



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PROJECT INFORMATION

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236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

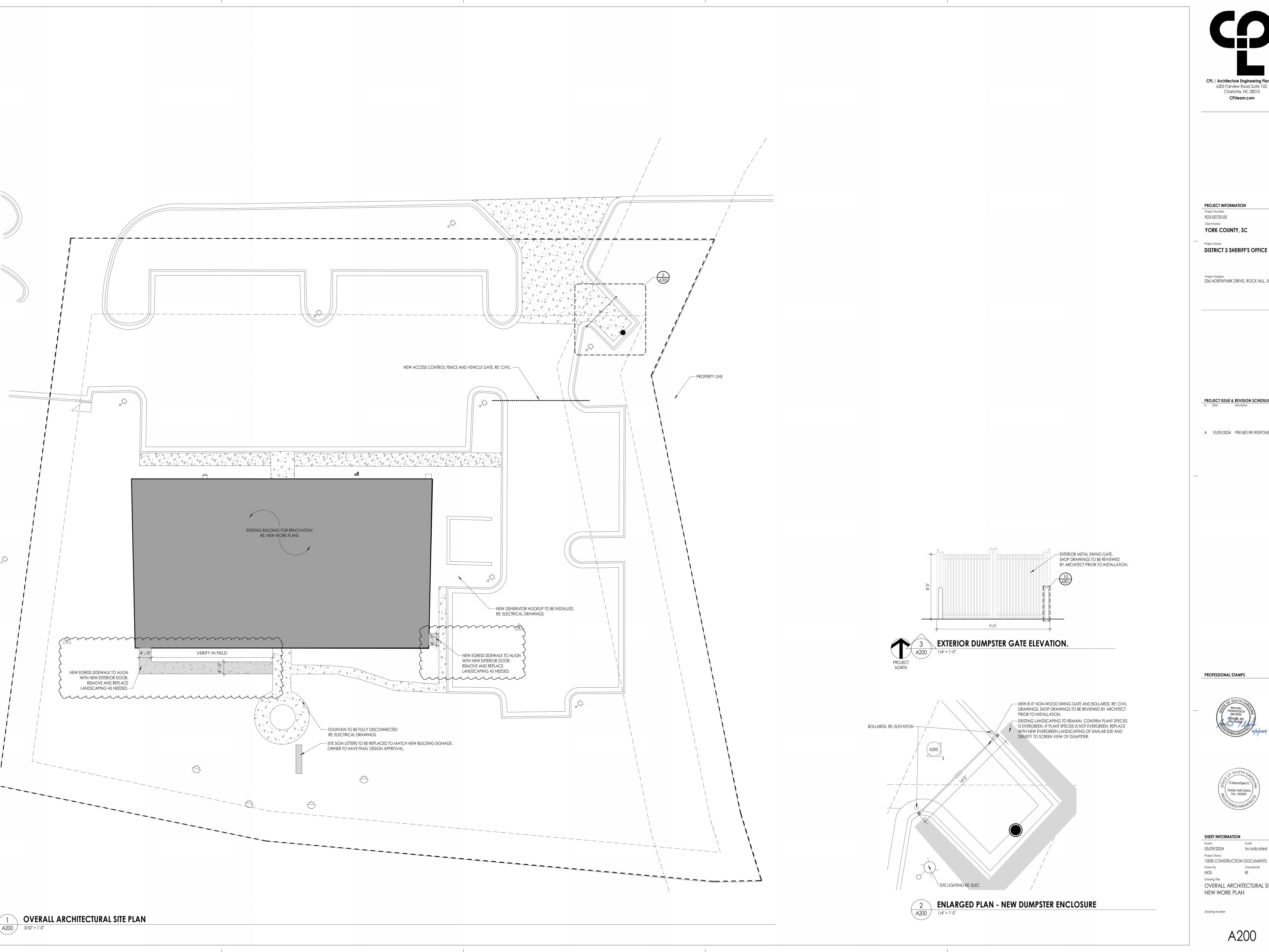
R23.00720.00



SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS NDS

OVERALL DEMOLITION PLAN





PROJECT INFORMATION

R23.00720.00

Project Name

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

w Date Description

A 10/09/2024 PRE-BID RFI RESPONSE

PROFESSIONAL STAMPS

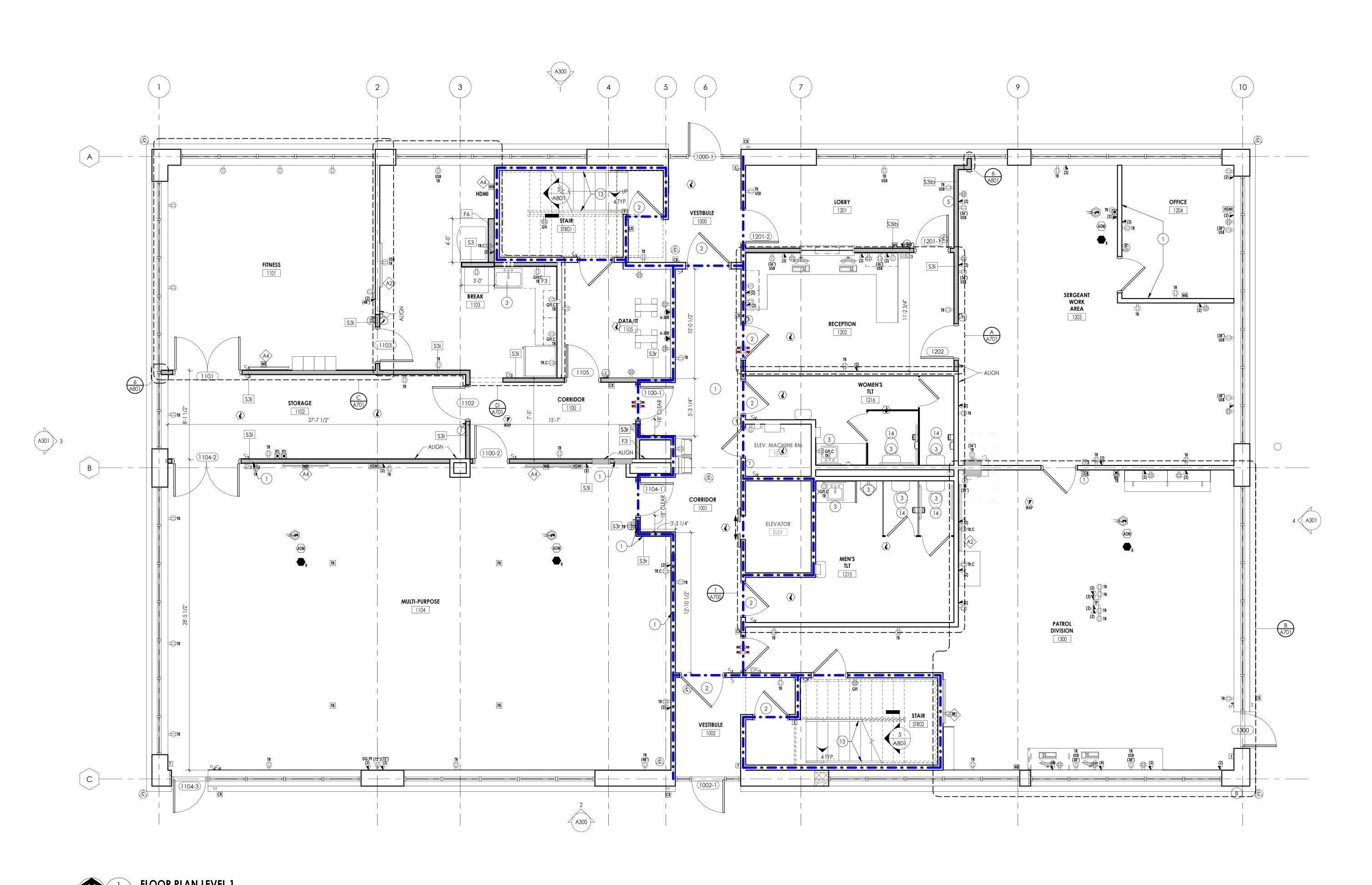




SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS NDS

Drawing Title OVERALL ARCHITECTURAL SITE NEW WORK PLAN



### FLOOR PLAN GENERAL NOTES

- 1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT 2. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE FROM FACE OF FINISH TO
  - FACE OF FINISH UNLESS OTHERWISE NOTED. 3. SEE SHEET A400 FOR INTERIOR PARTITION TYPES. 4. SEE A900 FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND
  - STOREFRONTS. 5. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
  - 6. COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK. '. REFER TO A700 FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND. 8. REFER TO A700 & A702 FOR FURNISH AND INSTALL SCOPE OF EQUIPMENT AND
  - ACCESSORIES. P. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR COORDINATION OF M,E,P INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE

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PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

R23.00720.00

Project Name

- 10. REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS, LOCATIONS & MEP CONNECTION LOCATION. 11. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.
- 12. PATCH AND FINISH ALL EXISTING WALLS TO REMAIN WITHIN THE PROJECT LIMIT AREA TO RECEIVE SPECIFIED FINISHES. 13. ALL EXISTING EXPANSION JOINT COVERS OR ASSEMBLIES ARE TO BE PROTECTED AND MAINTAINED DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE NOTED. 14. PROVIDE CONCRETE FLOOR PATCH AND FLOOR LEVELING AT EXISTING CONCRETE FLOORS FOR NEW FINISHES.

### FLOOR PLAN LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT. ( DOOR ) DOOR TARGET, SEE SCHEDULE

WINDOW TARGET, SEE SCHEDULE COLUMN LINE IDENTIFICATION

**ROOM NAME** H1234.2

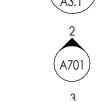
10'-0" x 10'-0"

**ROOM TAG** 

XXX - XXX DENOTES CHANGE IN FLOOR MATERIAL



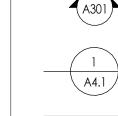
WATER HEATER/ AIR HANDLER, SEE MECHANICAL



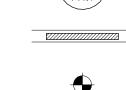
INTERIOR ELEVATION MARK

EXTERIOR ELEVATION MARK

SECTION MARK



DETAIL FOR REFERENCE MARK



BLOCKING IN WALLS FOR GRAB BARINSTALLATION DENOTES FINISH FLOOR GRADE ELEVATION

XXX WALL TYPE SEE A/400

NEW FIRE EXTINGUISHER CABINET NEW FIRE EXTINGUISHER WALL MOUNTED WITH BRACKET

### FLOOR PLAN KEY NOTES

- WALLS INDICATED TO RECEIVE SOUND ATTENUATING BATTS ABOVE CEILING 24" EACH SIDE OF WALL
- (2) REPLACE DOOR HARDWARE WITH NEW
- (3) REPLACE ALL PLUMBING FIXTURES WITH NEW
- (4) PATCH TO MATCH EXISTING CONSTRUCTION
- (5) WALL-MOUNTED PHONE
- EXISTING MILLWORK TO REMAIN. PROTECT FROM DAMAGE FOR DURATION OF CONSTRUCTION.
- 7 NOT USED
- (8) REPAIR CRACK IN MASONRY
- REMOVE EXISTING SINK AND ASSOCIATED FAUCET. EXISTING COUNTERTOP TO (9) REMAIN. CUT NEW OPENING IN COUNTERTOP TO ACCOMMODATE NEW SINK.
- (10) NOT USED
- NEW ROOF PENETRATIONS TO BE CONSTRUCTED WITH CURB. RE: MEP DRAWINGS FOR DETAILS.
- NEW STOREFRONT FRAME AND GLAZING TO BE INSTALLED IN EXISTING OPENING. VERIFY DIMENSIONS IN FIELD PRIOR TO INSTALLATION.
- (13) INSTALL NEW GUARDRAIL AND HANDRAIL
- INSPECT ALL GRAB BARS AND PARTITIONS EXISTING TO REMAIN. COMPLETE ANY REPAIRS WHERE MOUNTING IS LOOSE OR ITEM IS DAMAGED.
- (15) MAINTAIN WEATHERTIGHT CONDITIONS FOR THE DURATION OF ROOF WORK
- REPLACE ANY EXISTING DAMAGED/DETERIORATED WOOD BLOCKING AS
- NECESSARY TO THE NEW ROOFING SYSTEM TO BASE BID REPLACE ANY EXISTING DAMAGED/DETERIORATED INSULATIONS AS NECESSAR' TO THE NEW ROOFING SYSTEM TO BASE BID
- $\setminus$  replace any existing drain as necessary to the new roofing system t $\phi$ BASE BID

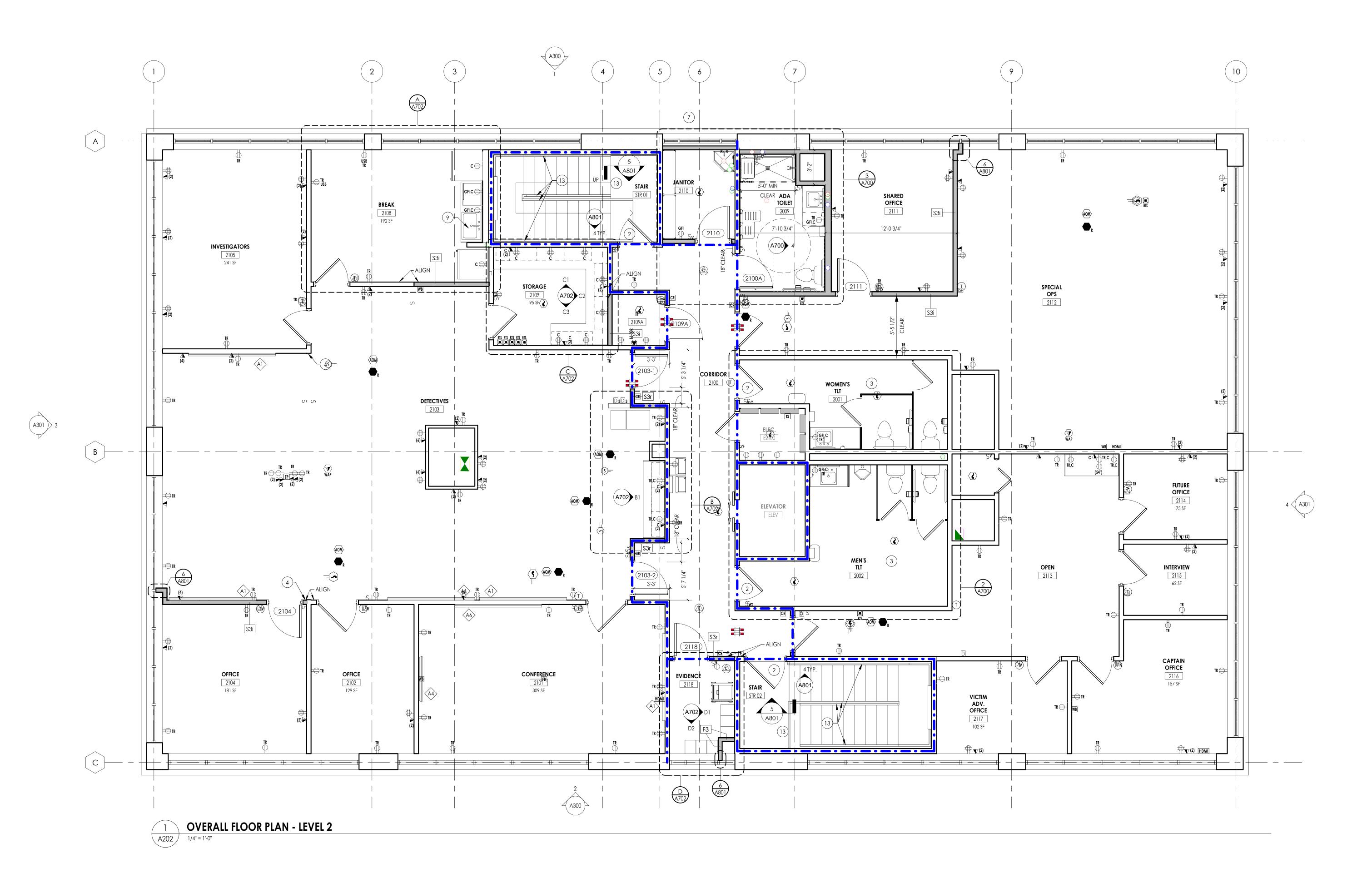


PROFESSIONAL STAMPS

SHEET INFORMATION

05/09/2024 100% CONSTRUCTION DOCUMENTS NDS

OVERALL FLOOR PLAN LEVEL



### FLOOR PLAN GENERAL NOTES

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- FACE OF FINISH UNLESS OTHERWISE NOTED. 3. SEE SHEET A400 FOR INTERIOR PARTITION TYPES. 4. SEE A900 FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND
- STOREFRONTS. 5. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED
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- 8. REFER TO A700 & A702 FOR FURNISH AND INSTALL SCOPE OF EQUIPMENT AND ACCESSORIES. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR
- COORDINATION OF M,E,P INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE 10. REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS, LOCATIONS & MEP CONNECTION LOCATION.
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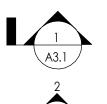
11. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.

### FLOOR PLAN LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT. ( DOOR ) DOOR TARGET, SEE SCHEDULE WINDOW TARGET, SEE SCHEDULE COLUMN LINE IDENTIFICATION **ROOM NAME** H1234.2 150 SF **ROOM TAG** 

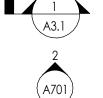
XXX - XXX DENOTES CHANGE IN FLOOR MATERIAL

SECTION MARK

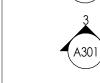


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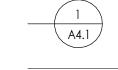
WATER HEATER/ AIR HANDLER, SEE MECHANICAL DRWINGS



INTERIOR ELEVATION MARK



EXTERIOR ELEVATION MARK



BLOCKING IN WALLS FOR GRAB BAR INSTALLATION

DETAIL FOR REFERENCE MARK

DENOTES FINISH FLOOR GRADE ELEVATION



XXX WALL TYPE SEE A/400

NEW FIRE EXTINGUISHER CABINET

### FLOOR PLAN KEY NOTES

WALLS INDICATED TO RECEIVE SOUND ATTENUATING BATTS ABOVE CEILING √ 24" EACH SIDE OF WALL

NEW FIRE EXTINGUISHER WALL

MOUNTED WITH BRACKET

- (2) REPLACE DOOR HARDWARE WITH NEW
- (3) REPLACE ALL PLUMBING FIXTURES WITH NEW
- (4) PATCH TO MATCH EXISTING CONSTRUCTION
- (5) WALL-MOUNTED PHONE
- 6 EXISTING MILLWORK TO REMAIN. PROTECT FROM DAMAGE FOR DURATION OF CONSTRUCTION.
- 7 NOT USED
- (8) REPAIR CRACK IN MASONRY
- REMOVE EXISTING SINK AND ASSOCIATED FAUCET. EXISTING COUNTERTOP TO (9) REMAIN. CUT NEW OPENING IN COUNTERTOP TO ACCOMMODATE NEW SINK.
- 10 NOT USED
- NEW ROOF PENETRATIONS TO BE CONSTRUCTED WITH CURB. RE: MEP DRAWINGS FOR DETAILS.
- NEW STOREFRONT FRAME AND GLAZING TO BE INSTALLED IN EXISTING OPENING. VERIFY DIMENSIONS IN FIELD PRIOR TO INSTALLATION.
- (13) INSTALL NEW GUARDRAIL AND HANDRAIL
- INSPECT ALL GRAB BARS AND PARTITIONS EXISTING TO REMAIN. COMPLETE  $^{14}$  Any repairs where mounting is loose or item is damaged.
- (15) MAINTAIN WEATHERTIGHT CONDITIONS FOR THE DURATION OF ROOF WORK
- REPLACE ANY EXISTING DAMAGED/DETERIORATED WOOD BLOCKING AS NECESSARY TO THE NEW ROOFING SYSTEM TO BASE BID
- $_{_{
  m I}}$  replace any existing damaged/deteriorated insulations as necessary TO THE NEW ROOFING SYSTEM TO BASE BID
- REPLACE ANY EXISTING DRAIN AS NECESSARY TO THE NEW ROOFING SYSTEM TO BASE BID



PROFESSIONAL STAMPS



CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

Project Number R23.00720.00

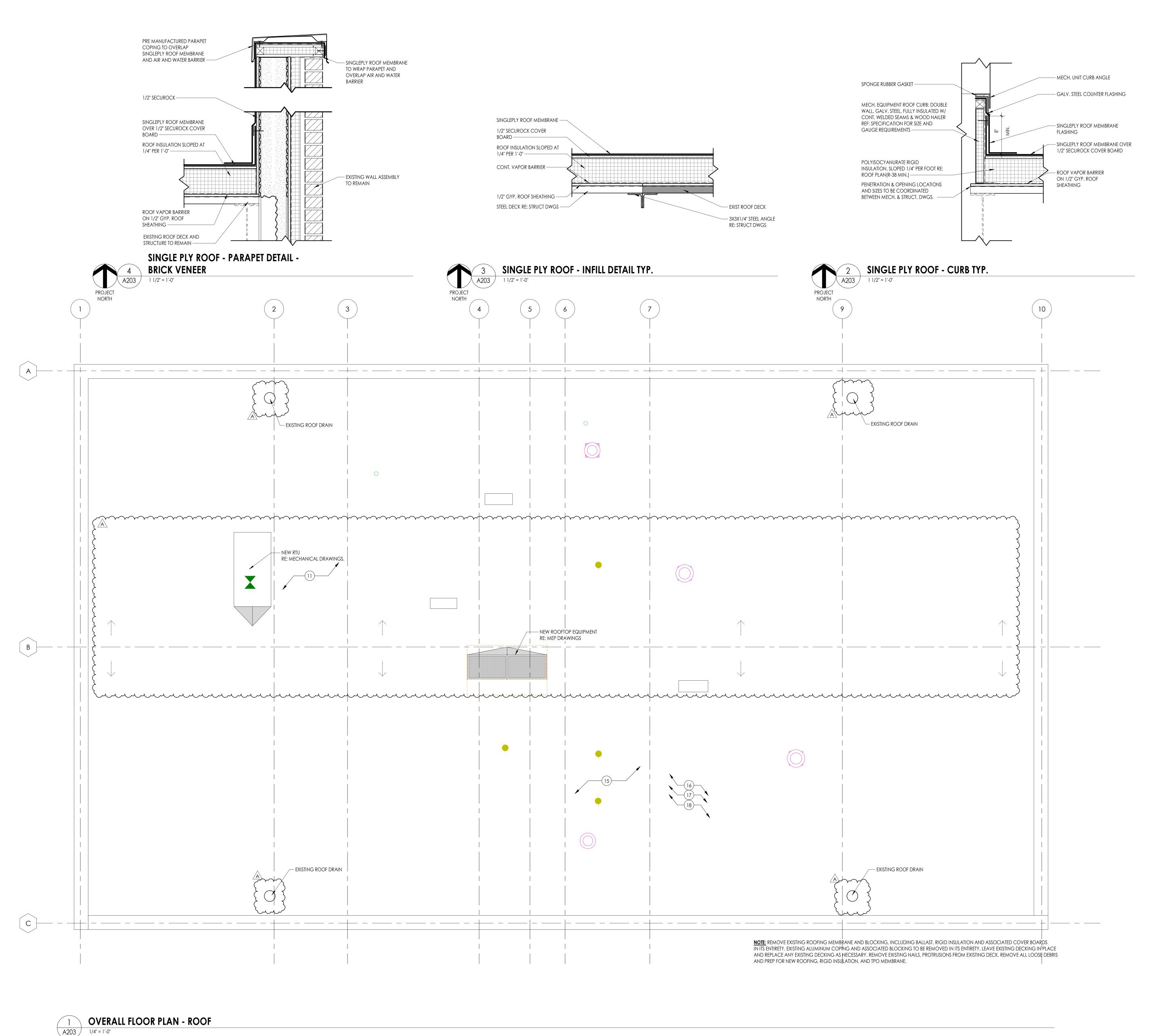
Project Name



SHEET INFORMATION

05/09/2024 Project Status 100% CONSTRUCTION DOCUMENTS

OVERALL FLOOR PLAN LEVEL 2



### ROOF PLAN GENERAL NOTES

- . ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIALS. FIELD VERIFY ALL CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK. 2. REFER TO ALL DRAWINGS IN THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
- 3. PAINT ALL ROOF FASTENERS EXPOSED TO VIEW AT UNDERSIDE OF DECK TO MATCH. 4. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN
- AT THE END OF EACH DAY. 5. ALL WOOD BLOCKING USED SHALL BE PRESSURE TREATED.
- 6. INSTALL ALL ROOF DRAINS AND CUTTING THE HOLES IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS. NO WEEP HOLES SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE DIRECTED.
  - MAINTAIN WATER TIGHTNESS AND PROVIDE PROTECTION AT ANY/ALL OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY. PROVIDE CRICKETS FOR WATER DIVERSION AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/SLOPED STRUCTURE.
- 10. ALL ROOF TOP UNITS SHALL BE MOUNTED ON 16" MIN. INSULATED METAL CURBS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE 8" ABOVE FINISHED ROOF SURFACE.

PROVIDE WOOD BLOCKING AS REQUIRED TO MEET THE HIGH POINT (HP)OF THE

- INSULATION AT ROOF EDGES. THE ROOF EDGE HEIGHT SHALL NOT VARY UNLESS OTHERWISE NOTED. ALL WOOD BLOCKING USED SHALL BE PRESERVATIVE -TREATED. 2. ALL SADDLES AND CRICKETS ARE TO HAVE A MIN. 1/4" PER FOOT SLOPE AS INDICATED. PROVIDE CRICKETS FOR DIVERSION OF WATER AT ALL CURBS, RAILS, ETC. WHICH RUN PERPENDICULAR TO SLOPE OF INSULATION.
- 13. AT ALL MECHANICAL EQUIPMENT, PROVIDE SLOPED INSULATION AS REQUIRED TO DRAIN ROOF WATER AWAY FROM HIGH SIDE OF CURBS. 14. UPON COMPLETION OF WORK, THE PLUMBING CONTRACTOR SHALL SNAKE OUT ALL ROOF DRAINS AND VERIFY ALL ARE CLEAR AND LEFT IN A FREE FLOWING CONDITION.
- 5. ALL CURBS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR ASSOCIATED ROOF/FLASHING BY GENERAL CONTRACTOR. 16. REFER TO H102 FOR LOCATION OF EXISTING ROOF EQUIPMENT TO BE REMOVED AND

WHERE THE EXISTING ROOF IS TO BE PATCHED TO MATCH EXISTING MATERIALS.

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A 10/09/2024 PRE-BID RFI RESPONSE

**ROOF PLAN LEGEND** 

ROOF DRAIN W/ SECONDARY

SLOPED INSULATION LOW POINT (MIN. 5 1/2") SLOPED INSULATION HIGH POINT (MIN. 5 1/2")

SLOPED INSULATION ROOF CRICKET. PROVIDE 1/4"/ 1'-0" POSITIVE DRAINAGE

VENT THRU ROOF, PROVIDE FLASHING PER

ROOF MANUFACTURER'S DETAILS

MANUFACTURER'S DETAILS

DUCT SUPPORT, PROVIDE FLASHING PER ROOF



MECH. CURB (W/ CRICKET), PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS

**ROOF SLOPE** 

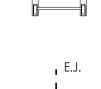
ROOF PAVER/MEMBRANE WALKWAY SYSTEM TYP.

ROOF HATCH (SINGLE LEAF)



EXISTING THRU WALL SCUPPER W/ DOWNSPOUT.

BALLASTED FALL PROTECTION RAILING SYSTEM



EXPANSION JOINT.

### FLOOR PLAN KEY NOTES

- WALLS INDICATED TO RECEIVE SOUND ATTENUATING BATTS ABOVE CEILING 24" EACH SIDE OF WALL
- (2) REPLACE DOOR HARDWARE WITH NEW
- (3) REPLACE ALL PLUMBING FIXTURES WITH NEW
- (4) PATCH TO MATCH EXISTING CONSTRUCTION
- (5) WALL-MOUNTED PHONE
- 6 EXISTING MILLWORK TO REMAIN. PROTECT FROM DAMAGE FOR DURATION OF CONSTRUCTION.
- 7 NOT USED
- (8) REPAIR CRACK IN MASONRY

り BASE BID

- REMOVE EXISTING SINK AND ASSOCIATED FAUCET. EXISTING COUNTERTOP TO (9) REMAIN. CUT NEW OPENING IN COUNTERTOP TO ACCOMMODATE NEW SINK.
- NEW ROOF PENETRATIONS TO BE CONSTRUCTED WITH CURB. RE: MEP
- DRAWINGS FOR DETAILS. NEW STOREFRONT FRAME AND GLAZING TO BE INSTALLED IN EXISTING OPENING. VERIFY DIMENSIONS IN FIELD PRIOR TO INSTALLATION.
- (13) INSTALL NEW GUARDRAIL AND HANDRAIL
- INSPECT ALL GRAB BARS AND PARTITIONS EXISTING TO REMAIN. COMPLETE ANY REPAIRS WHERE MOUNTING IS LOOSE OR ITEM IS DAMAGED.
- (15) MAINTAIN WEATHERTIGHT CONDITIONS FOR THE DURATION OF ROOF WORK REPLACE ANY EXISTING DAMAGED/DETERIORATED WOOD BLOCKING AS
- NECESSARY TO THE NEW ROOFING SYSTEM TO BASE BID REPLACE ANY EXISTING DAMAGED/DETERIORATED INSULATIONS AS NECESSARY
- Drawing Title TO THE NEW ROOFING SYSTEM TO BASE BID OVERALL ROOF PLAN REPLACE ANY EXISTING DRAIN AS NECESSARY TO THE NEW ROOFING SYSTEM TO

Drawing Number

SHEET INFORMATION

100% CONSTRUCTION DOCUMENTS

05/09/2024

Project Status

Drawn By

NDS

PROFESSIONAL STAMPS

As indicated

Checked By





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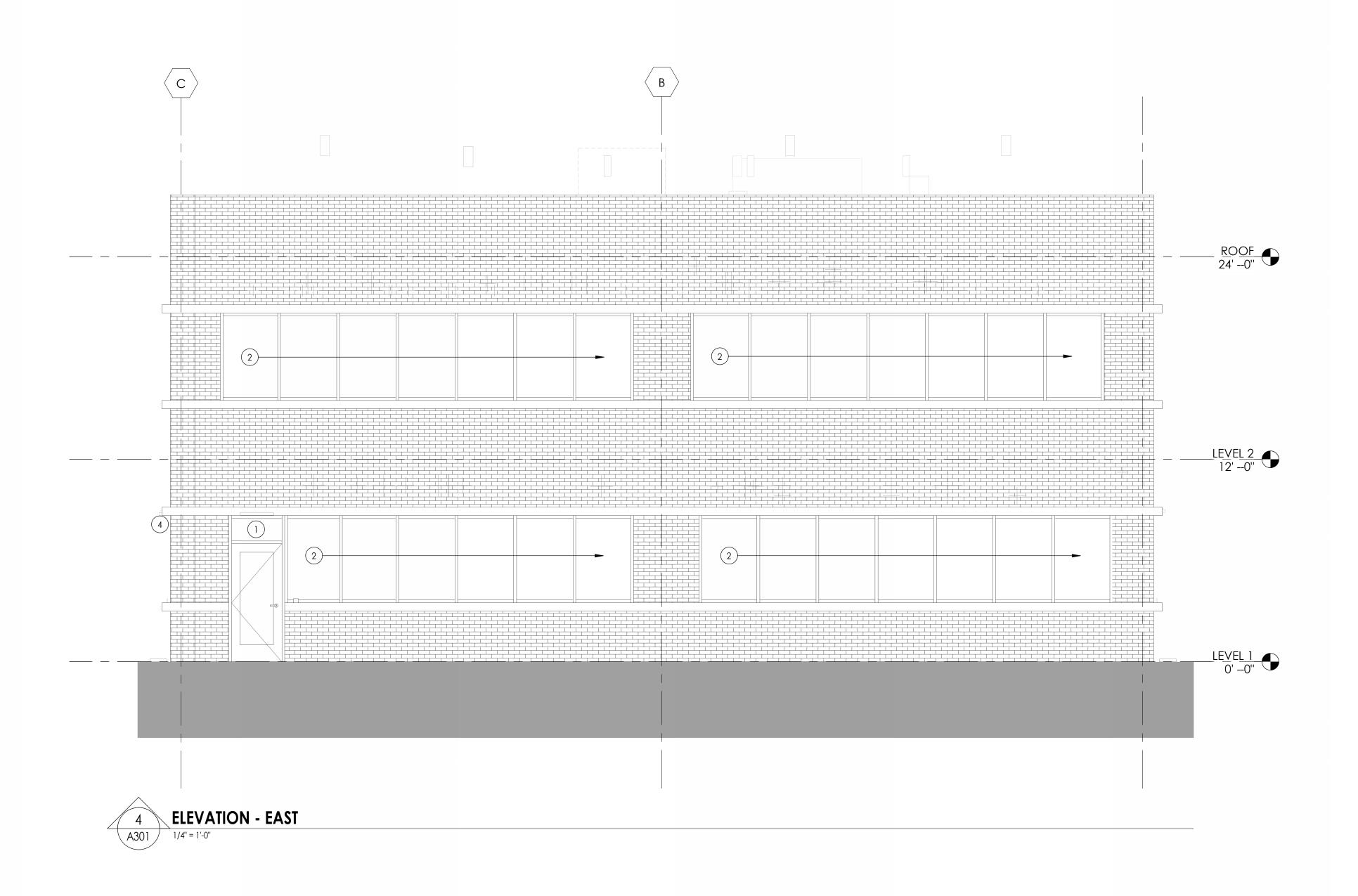


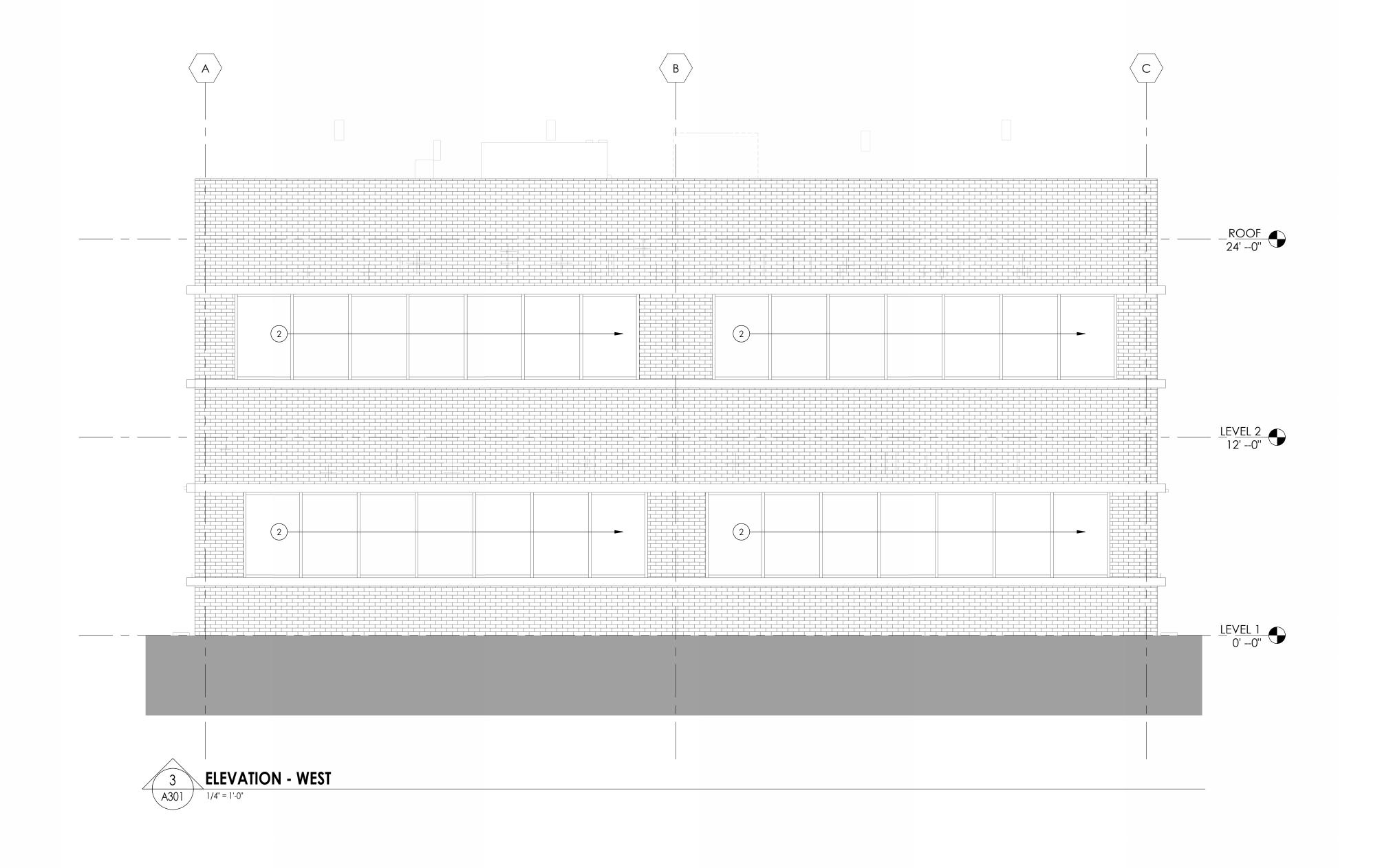


SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS

**BUILDING ELEVATIONS** 





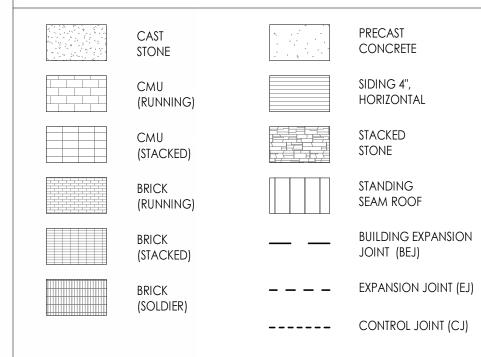
### **ELEVATION GENERAL NOTES**

- ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS
   OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO
   EIELD VERIEY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK
- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.

  2. MASONRY OPENINGS ARE APPROXIMATE, THE CONTRACTOR SHALL BE
- RESPONSIBLE FOR VERIFYING ALL CONDITIONS.

  3. REFER TO A900 FOR DOOR, FRAME, AND WINDOW TYPES.
- 4. PROVIDE ALL LOUVER OPENINGS AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR FOR FINAL SIZE AND LOCATION.
- 5. CONTROL JOINT = CJ6. SOFT JOINT = SJ
- 6. SOFI JOINI = SJ7. EXPANSION JOINT = EJ8. BUILDING EXPANSION JOINT = BEJ

### **ELEVATION LEGEND**



### **ELEVATION KEY NOTES**

- NEW TRANSOM TO BE GLAZED WITH INSULATED METAL PANEL TO MATCH
- 2 ALL GLAZING AND STOREFRONT TO BE REPLACED IN KIND. VERIFY ROUGH OPENING PRIOR TO INSTALLATION. RE: A900
- 3 EXTERIOR SIGNAGE TO BE REMOVED. RE-POINT AND REPAIR BRICK. PREPARE EXTERIOR TO RECEIVE NEW SIGNAGE AS REQUIRED.
- EXTERIOR TO RECEIVE NEW SIGNAGE AS REQUIRED.

  4 REPAIR CRACK IN MASONRY AND REPOINT

NEW SIGNAGE TO BE INSTALLED ON STANDOFFS. INSTALL PER MANUFACTURERS

5 REQUIREMENTS TO EXISTING BRICK. SIGN TO READ "James Brent McCants Law Enforcement Center". ARCHITECT TO REVIEW SHOP DRAWINGS. OWNER TO GIVE FINAL DESIGN APPROVAL.

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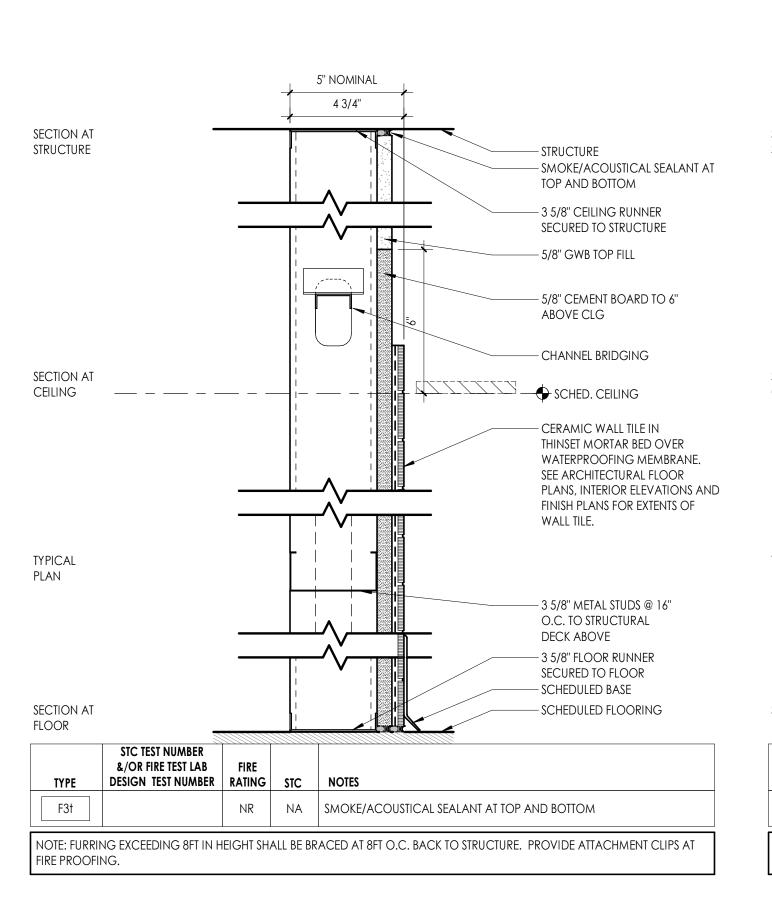
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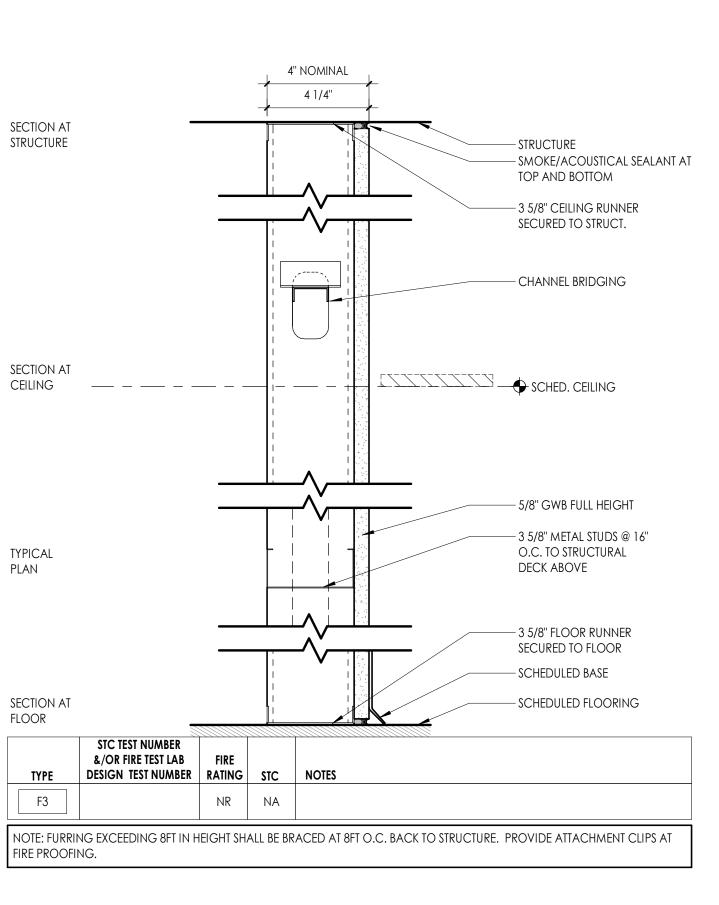
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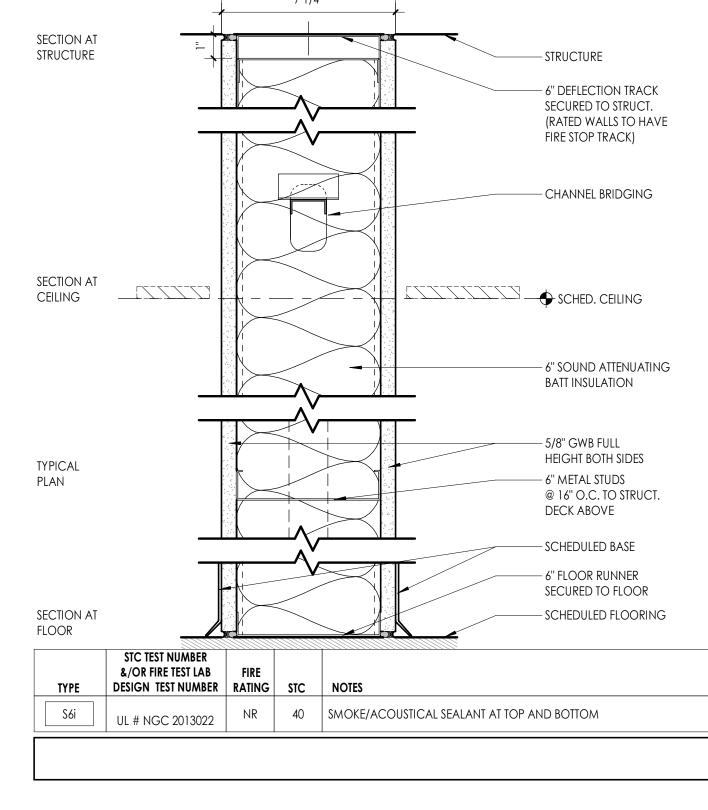
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BUILDING ELEVATIONS

Drawing Number

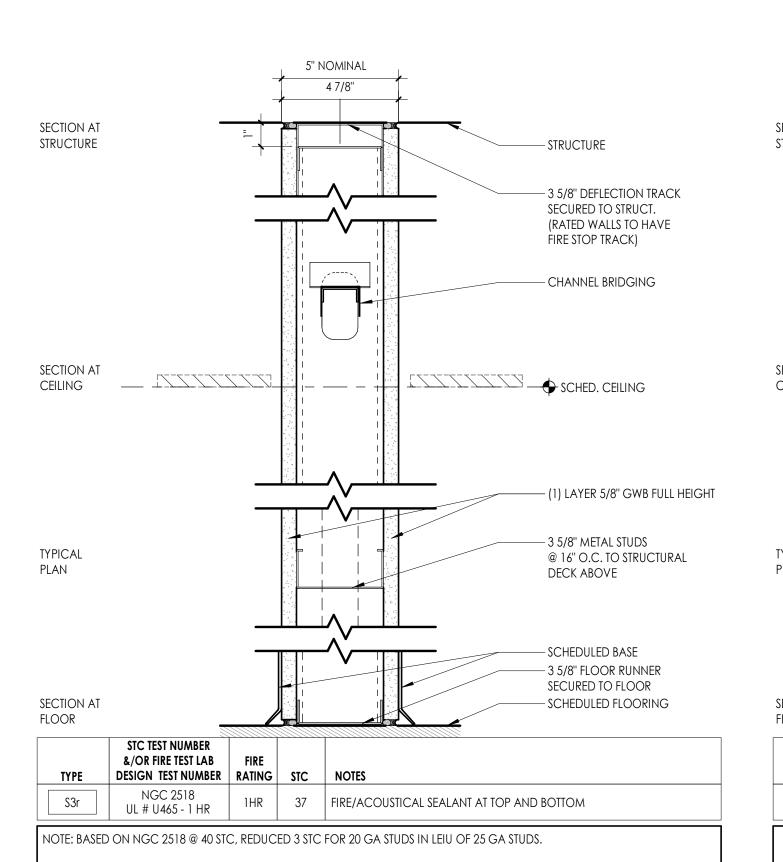
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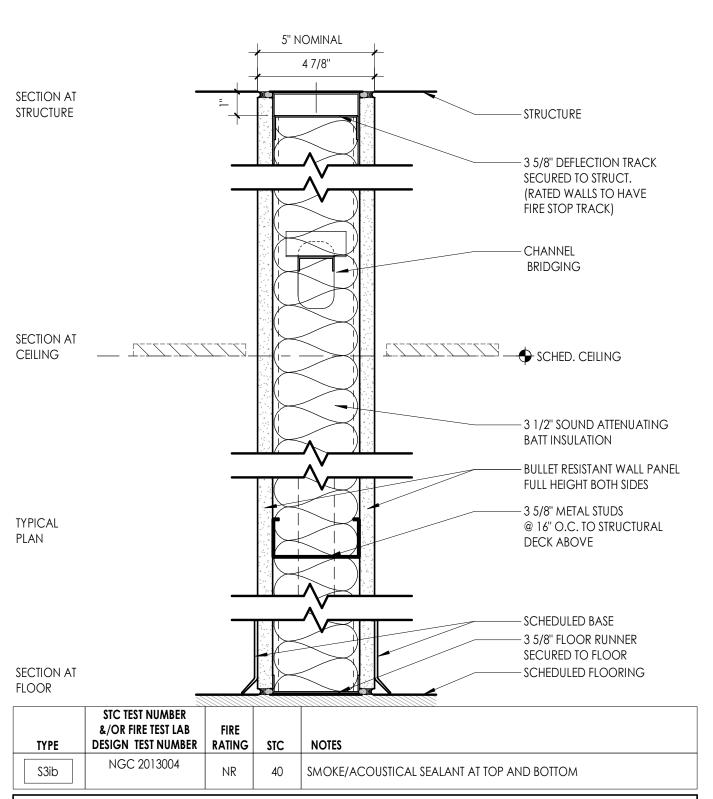


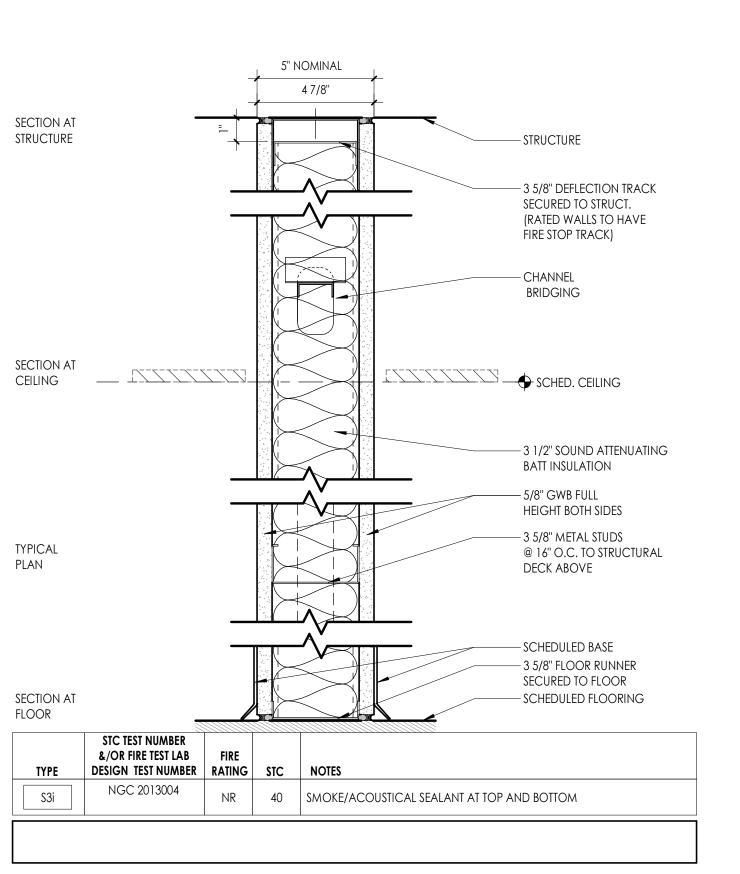


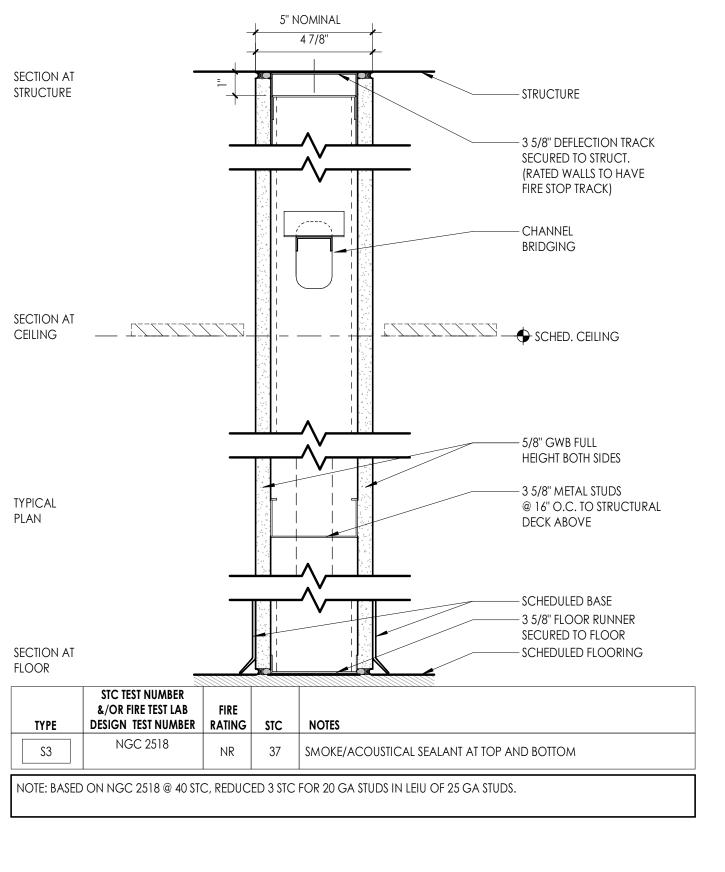


8" NOMINAL



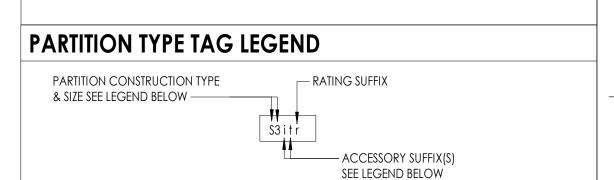




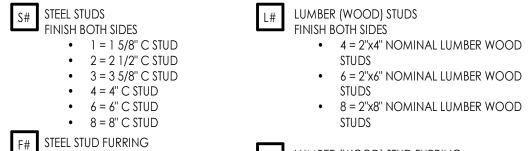


### PARTITION GENERAL NOTES

- . ALL WALL TYPES MAY NOT BE USED ON THIS PROJECT.
- 2. UNLESS NOTED OTHERWISE ALL PARTITIONS ARE FULL HEIGHT, EXTEND & SECURE TO UNDERSIDE OF CONCRETE OR METAL DECK ABOVE.
- 3. PROVIDE UL APPROVED JOINT AT ALL TOP OF WALL AND WALL TO WALL CONDITIONS AT ALL RATED 4. PROVIDE DEFLECTION TRACKS AT METAL STUD PARTITIONS THAT TERMINATE AT THE UNDERSIDE OF
- STRUCTURE AND DECK.
- 5. REFER TO STRUCTURAL DRAWINGS FOR MASONRY WALL REINFORCEMENT. 6. REFER TO CODE/LIFE SAFETY DRAWINGS FOR RATED PARTITIONS AND UL ASSEMBLIES.
- 7. REFER TO INTERIOR DRAWINGS FOR LOCATIONS OF WALL TILE, AND OTHER SPECIALTY WALL FINISHES. PROVIDE 5/8" TILE BACKER BOARD AT ALL WALLS RECEIVING TILE. 8. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOMS, JANITOR'S CLOSETS AND OTHER WET
- LOCATIONS WHERE TILE AND TILE BACKER BOARD ARE NOT INSTALLED. 9. PARTITION TYPES WITH ONE SIDE OF DOUBLE DRYWALL TO BE PLACED SO THAT THE DOUBLE SIDE IS ON CORRIDOR AND/OR HIGH TRAFFIC SIDE OF WALL
- 10. REFER TO SPECIFICATIONS FOR METAL STUD GAUGE REQUIREMENTS. 11. COORDINATE ALL PARTITION ACCESSORIES (APPLIED FINISHES, RESILIENT CHANNEL, ADDITIONAL LAYERS OF SHEATHING, SHIELDING, ETC.) ITEMS SHOWN IN TYPICAL WALL CONSTRUCTION DETAILS MAY HAVE TO BE ARRANGED ON DIFFERENT SIDES OF WALL ASSEMBLY TO ACHIEVE FLUSH CONTINUOUS WALL SURFACES. ANY CONFLICTS SHOULD BE BROUGHT TO THE ATTENTION OF THE
- 2. FIRESTOP/ SMOKE STOP ALL REQUIRED WALL PARTITIONS, SLABS, AND PENETRATIONS THROUGH NEW AND EXISTING WALLS WITHIN THE PROJECT LIMITS IN COORDINATION WITH CODE PLAN, OR WHERE COORDINATED SYSTEMS CONNECTION POINTS ARE LOCATED OUTSIDE THE PROJECT LIMIT AREA. SEE
- ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND SPECIFICATION DIVISION 13. NOTIFY OWNER AND ARCHITECT IF EXISTING NON-COMPLIANT PENETRATIONS ARE DISCOVERED NOT
- FIRESTOPPPED IN COORDINATION WITH CODE PLAN. 14. PROVIDE CONTROL JOINT WHERE NEW PARTITIONS BUTT EXISTING CONSTRUCTION.
- 15. PROVIDE CONTROL JOINTS A MAXIMUM OF 30'-0" APART UNLESS NOTED OTHERWISE, PER ASTM C 840-17A. LOCATE ABOVE DOOR FRAMES WHERE POSSIBLE.
- 16. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND WALL MOUNTED ACCESSORIES.



### PARTITION CONSTRUCTION TYPE & SIZE LEGEND



FINISH ONE SIDE

**ACCESSORIES SUFFIX:** 

1 = 1 5/8" C STUD

2 = 2 1/2" C STUD

STUDS LF# LUMBER (WOOD) STUD FURRING
FINISH ONE SIDE FINISH ONE SIDE

4 = 2"x4" NOMINAL LUMBER (WOOD) STUDS

- 6 = 2"x6" NOMINAL LUMBER (WOOD) STUDS • 3 = 3 5/8" C STUD 8 = 2"x8" NOMINAL LUMBER (WOOD) STUDS 4 = 4" C STUD 6 = 6" C STUD • 8 = 8" C STUD APPLIED FINISH
- STEEL STUD SHAFT WALL ASSEMBLY FINISH ONE SIDE NON SELF SUPPORTING/ATTACHED TO OTHER STRUCTURE 2 = 2 1/2" CH SHAFT WALL
- STUD

   4 = 4" CH SHAFTWALL STUD

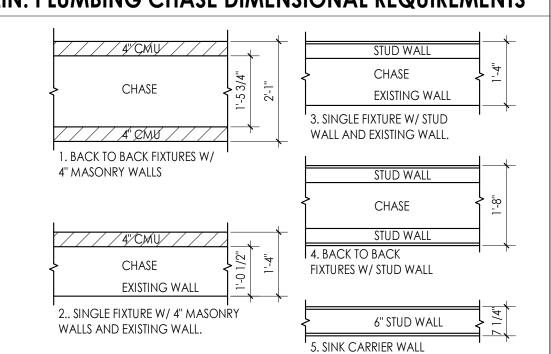
   A = 4" CH SHAFTWALL STUD

   C# RESILIENT CHANNEL

  NON SELF SUPPORTING/ATTACHED TO STUD
- 6 = 6" CH SHAFTWALL STUD OTHER STRUCTURE • 1 = 1/2" RC-1 RESILIENT CHANNEL B# CONSTRUCTION BARRIER/TEMP WALL • 2 = 1/2" RC-2 RESILIENT CHANNEL • 1 = 1 5/8" C STUD
- 2 = 2 1/2" C STUD H# HAT CHANNEL NON SELF SUPPORTING/ATTACHED TO OTHER 3 = 3 5/8" C STUD 4 = 4" C STUD STRUCTURE 6 = 6" C STUD 1 = 7/8" HAT CHANNEL
- 8 = 8" C STUD 2 = 1 1/2" HAT CHANNEL M# CONCRETE MASONRY UNIT

  • 4 = 4" NOMINAL CM Z# ZEE-FURRING 4 = 4" NOMINAL CMU NON SELF SUPPORTING/ATTACHED TO OTHER
- 6 = 6" NOMINAL CMU STRUCTURE • 8 = 8" NOMINAL CMU 1 = 1" ZEE FURRING 10 = 10" NOMINAL CMU • 1.5 = 1 1/2" ZEE FURRING
- 12 = 12" NOMINAL CMU 2 = 2" ZEE FURRING 2.5 = 2 1/2" ZEE FURRING 3 = 3" ZEE FURRING **PARTITION TYPE SUFFIX**
- i Sound attenuating batt insulation (Fiberglass) friction fit between Studs to fill cavity b - BULLET RESISTANT WALL PANEL IN PLACE OF TYPICAL GWB
- w SOUND ATTENUATING FIRE BATT INSULATION (ROCK WOOL) FRICTION FIT BETWEEN STUDS TO FILL
- t CERAMIC WALL TILE (1) SIDE W/ THINSET MORTAR BED, 5/8" CEMENT BACKER BOARD IN LIEU OF 5/8" GYP. AT TILE LOCATIONS - SEE INTERIOR ELEVATIONS FOR TILE EXTENTS
- tt CERAMIC WALL TILE (2) SIDES W/ THINSET MORTAR BED, 5/8" CEMENT BACKER BOARD IN LIEU OF 5/8" GYP. AT TILE LOCATIONS - SEE INTERIOR ELEVATIONS FOR TILE EXTENTS
- b INTERIOR VENEER MASONRY/STONE APPLIED FINISH, REFER TO DETAILS FOR CONSTRUCTION, AND INTERIOR ELEVATIONS FOR EXTENTS
- g CMU WALL GROUT CORES SOLID
- s ADD 1/2" RC1 RESILIENT SOUND CHANNEL BEHIND SPECIFIED SHEATHING
- k ADD ADDITIONAL (1) LAYER OF 5/8" GYP BOARD, TO ONE SIDE OF WALL
- kk ADD ADDITIONAL (2) LAYERS OF 5/8" GYP BOARD, (1) EA. SIDE OF WALL e - ADD ADDITIONAL (1) LAYER OF 5/8" FRT PLYWOOD BOLTED TO WALL FOR MOUNTING OF ELECTRICAL PANELS/ EQUIPMENT WHERE NOTED ON ELEC. DWGS.
- v SUBSTITUE (1) LAYER OF 5/8" SOUNDBLOCK GYP. W/ INTEGRAL VISCOELASTIC POLYMER CORE FOR (1) LAYER OF SPECIFIED 5/8" TYPE X GYP.
- vv SUBSTITUE 5/8" SOUNDBLOCK GYP. W/ INTEGRAL VISCOELASTIC POLYMER CORE FOR ALL LAYER OF SPECIFIED 5/8" TYPE X GYP.
- p LEAD SHIELDING REFER TO PHYSICIST REPORT FOR REQUIREMENTS
- x COPPER MAGNETIC/RF SHIELDING REFER TO PHYSICIST REPORT FOR REQUIREMENTS
- c WALL FINISH TO TERMINATE 6" ABV. HIGHEST ADJACENT CEILING STUDS TO RUN TO UNDERSIDE OF
- y WALL STRUCTURE TERMINATES 12" ABV. HIGHEST ADJACENT CEILING, PROVIDE STRUCTURAL BRACING
- AT TOP OF WALL AS REQUIRED.
- n KNEE WALL, REFER TO INTERIOR ELEVATIONS FOR HEIGHT & SILL CONDITION, REFER TO STRUCTURAL DETAILS FOR REQUIRED SUPPLEMENTAL STEEL AND ANCHORING REQUIREMENTS RATING SUFFIX:
- r 1 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS
- d 2 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS
- rd 3 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS
- dd 4 HR RATED ASSEMBLY REFER TO UL DETAILS FOR RATED CONSTRUCTION REQUIREMENTS

# MIN. PLUMBING CHASE DIMENSIONAL REQUIREMENTS



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SHEET INFORMATION 05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS NDS Drawing Title WALL TYPES

compliance with applicable requirements. The published information cannot always address every construction nuance

• Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for

encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances

MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

Design No. **U465** 

February 16, 2024

Nonbearing Wall Rating — 1 HR. \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification I. Floor and Ceiling Runners — (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25

20. Framing Members\* - Steel Studs - Not Shown - In lieu of Items 2 through 2N - For use with Item 1M, proprietary channel shaped steel studs, min 1-5/8 in. wide by min 3-5/8 in. deep fabricated from min 20 MSG galv steel (0.0329 in. min bare metal thickness) spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height. PANEL REY S A - SUPRA Stud 20/33 mil

2P. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 – For use with Item 1N, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep with 1/4 in. return lips fabricated from min 0.019 in. thick galv steel, spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height. PANEL REY S A - SUPRA Stud 20EQ/19 mi

2Q. Framing Members\* — Steel Studs — (Not Shown — Alternate to Item 2, For use with Item 10) — Channel shaped steel studs with attachment clips at top and bottom, min 3-5/8 in. depth, spaced a max of 24 in. OC. Studs clipped into floor and ceiling runners (Item 10). Max 2-3/8 in. extension reveal from top of stud to inside of ceiling runner. **HYPERFRAME INC**— Hyperstud

2R. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 – For use with Item 1P, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min. 20 EQ/22 mils. (min. 0.0221 in. thick) galvanized steel, spaced 24 in. OC max. Studs cut 3/4 in. less in length than assembly height. JJC INTERNATIONAL DISTRIBUTORS — Non-structural Studs 3-5/8" and 6".

3. Batts and Blankets\* — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. See Batts and Blankets (BZJZ) category for names of Classified companies. **ROCKWOOL** — Type AFB, min. density 1.69 pcf / 27.0 kg/m<sup>3</sup>

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

3A. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft<sup>3</sup>. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft<sup>3</sup>, in accordance with the application instructions supplied with the product. **Applegate Greenfiber Acquisition LLC** — Insulmax and SANCTUARY for use with wet or dry application.

3B. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft. **NU-WOOL CO INC** — Cellulose Insulation

3C. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft<sup>3</sup>. INTERNATIONAL CELLULOSE CORP — Celbar-RL

3D. Batts and Blankets\* — For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.

4N. Wall and Partition Facings and Accessories\* — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. Gypsum Board\* — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Horizontal joints on the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom NATIONAL GYPSUM CO — Type FSW

4P. Gypsum Board\* — As an alternate to Item 4. Nom 5/8 in. thick, 4 ft wide, Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and runners with 1 in. long Type S steel screws spaced 12 in. OC when applied horizontally or vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally. CGC INC — Type ULIX

UNITED STATES GYPSUM CO — Types ULIX

4Q. **Gypsum Board\*** — 3/4 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track as described in Item 4 with screw length increased to min. 1- 1/8 in PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

4R. Gypsum Board\* — As an alternate to Item 4D. For use with Item 3E, Batts and Blankets\* — 5/8 in. thick, 4 ft wide, installed as described in Item 4. When studs (Item 2) spaced a max 16 in. OC, 5/8 in. thick gypsum panels applied vertically or horizontally, 1 in. long spaced 16 in. OC along vertical edges and in the field, and 16 in. OC along top and bottom of wall. **NATIONAL GYPSUM CO** — Type FSLX.

4S. Gypsum Board\* — As an alternate to Item 4. For use with Item 3E, Batts and Blankets\* — 5/8 in. thick, 4 ft wide, installed as described in Item 4A. **CERTAINTEED GYPSUM INC** — Type CLLX.

4T. Wall and Partition Facings and Accessories\* — (As an alternate to 5/8 in. thick board as outlined in Item 4) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

4U. Gypsum Board\*— (As an alternate to Item 4 when Foam Plastic insulation Items 3G or 3H is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 4 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-7/8 in. long steel screws spaced 8 in. OC.

1A. Framing Members\* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 **QUAIL RUN BUILDING MATERIALS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

**SCAFCO STEEL STUD MANUFACTURING CO** — Type SUPREME D24/30EQD and Type SUPREME D20 **STEEL CONSTRUCTION SYSTEMS INC** — Type SUPREME D24/30EQD and Type SUPREME D20 **TELLING INDUSTRIES L L C** — Type SUPREME D24/30EQD and Type SUPREME D20

**UNITED METAL PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

1B. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in, OC max

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. Floor and Ceiling Runners — (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners

1D. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.  $\textbf{CLARKDIETRICH BUILDING SYSTEMS} - \mathsf{CD} \ \mathsf{ProTRAK}$ 

DMFCWBS L L C — ProTRAK MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1E. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. TELLING INDUSTRIES L L C — TRUF-TRACKT

1F. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. KIRII (HONG KONG) LTD — Type KIRII

1G. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max. STUDCO BUILDING SYSTEMS — CROCSTUD Track

See Batts and Blankets (BZJZ) category for names of manufacturers.

3E. Batts and Blankets\* — For use with Item 4R and 4S. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

3F. Fiber, Sprayed\* — As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft<sup>3</sup>. Applegate Greenfiber Acquisition LLC— Applegate Advanced Stabilized Cellulose Insulation

Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

3G. Foamed Plastic\* — As an alternate to Batts and Blankets (Items 3-3F), for use with Item 4U — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG CARLISLE SPRAY FOAM INSULATION — Types SealTite ONE, SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite

3H. Foamed Plastic\* — As an alternate to Batts and Blankets (Items 3-3F), for use with Item 4U — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with min. 20 MSG

RASE CORP - Fnertite® NM Enertite® G FF178® Spraytite® 178 Spraytite® 81206 Walltite® 200 Walltite® US Walltite® US-N Walltite® HP+, FE137®, FE158®, Spraytite® 158, Spraytite® SP, Spraytite® 81205, Spraytite® Comfort XL, Walltite® XL, and Walltite® MAX

4. **Gypsum Board\*** — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When Steel Framing Members\* (Item 6 or any alternate clips) are used, gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass, LightRoc **BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO** — Type DBX-1

**CABOT MANUFACTURING ULC** — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with

CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, Type X-1, Type C, 5/8" Easi-Lite Type X, Easi-Lite Type X-2, Type LWTX CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, Type X, Veneer Plaster Base - Type X, Water Rated -Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type-DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL, RSX. NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS, PGI

PANEL REY S A — Types GREX, GRIX, PRC, PRC2, PRX, RHX, MDX, ETX, PRX2

4V. Gypsum Board\* — (As an alternate to Item 4, for 1 hr. rating) — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications. CERTAINTEED GYPSUM INC — Type X-1, SilentFX, GlasRoc, Type C

5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. Resilient Channel — (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F, 4J or 4L.

6A. Steel Framing Members\* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galy steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Not for use with Items 4F, 4J, or 4L.

b. Framing Members\* — Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in, wide furring channels, RSIC-1 (2,75) clip for use with 2-23/32 in, wide furring channels, PAC INTERNATIONAL L C — Types RSIC-1, RSIC-1 (2.75)

6B. Framing Members\* — (Optional on one or both sides, Not Shown, As an alternate to Item 6) — Furring channel and Steel Framing Members as described below a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 4. Not for use with

b. Steel Framing Members\* — Used to attach furring channels (Item 6Ba) to studs (Item 2), Clips spaced max, 48 in, OC, GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PLITEQ INC — Type Genie Clip

6C. Steel Framing Members\* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in, and tied together with double strand of No. 18 AWG galvanized steel

wire.Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L. b. Steel Framing Members\* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in, coarse drywall screw with 1 in, diam washer through the center hole. Furring channels are friction fitted into clips.

**STUDCO BUILDING SYSTEMS** — RESILMOUNT Sound Isolation Clips - Type A237R

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in, OC. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

11. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in, OC max. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1J. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in, OC mag RESCUE METAL FRAMING, L L C — AlphaTRAK

1K. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2M, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

1L. Framing Members\* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. CRACO MFG INC — SmartTrack20™

1M. Framing Members\* - Floor and Ceiling Runners - Not shown - In lieu of Items 1 through 1L - For use with Item 2O, proprietary channel shaped runners, min 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 20 MSG galv steel (0.0329 in. min bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. PANEL REY S A - SUPRA Track 20/33 mil

1N. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 – For use with Item 2P, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-5/8 in. deep fabricated from min 0.019 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24

10. Framing Members\* — Floor and Ceiling Runner — (Not Shown — Alternate to Item 1) — For use with Item 20. channel shaped runners pre-equipped with proprietary attachment clips. Min. 3-5/8 in. wide. Legs of top runners minimum 3-1/4 in. wide. Legs of bottom runners minimum 1-1/2 in. wide. Runners attached to floor and ceiling with fasteners 24 in. OC max. **HYPERFRAME INC** - Hypertrack

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1 THAI GYPSUM PRODUCTS PCL — Type X and Type C, M2Tech Type C

PANEL REY S A - SUPRA Track 20EQ/19 mil

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX, (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX) USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for

4A. Gypsum Board\* — (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter

CERTAINTEED GYPSUM INC — Type X-1, Type C, Type EGRG/ GlasRoc, GlasRoc-2, Type SilentFX, Easi-Lite Type X-2 CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with

CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD **GEORGIA-PACIFIC GYPSUM L L C** — Types DAP, DAPC, DGG, DS

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air THAI GYPSUM PRODUCTS PCL — Type X and Type C, M2Tech Type C

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, USGX, WRC, WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX) USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for

use with Type USGX)

4B. Gypsum Board\* — (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR **USG MEXICO S A DE C V** — Types AR, IP-AR

4C. **Gypsum Board\*** — As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing. **GEORGIA-PACIFIC GYPSUM L L C** — Type DGG, GreenGlass Type X

6D. Steel Framing Members\* — (Optional, Not Shown As an alternate to Item 6) — Furring channels and Steel Framing Members as a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Db. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized

steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L. b. Steel Framing Members\* — UUsed to attach furring channels (Item 6Da) to studs. Clips spaced 48 in, OC, and secured to studs with No.8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. **REGUPOL AMERICA** — Type SonusClip

6E. Steel Framing Members\* — (Optional, Not Shown As an alternate to Item 6) — Resilient channels and Steel Framing Members as a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. Steel Framing Members\* — Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

6F Steel Framing Members\* — (Optional, Not Shown, As an alternate to Item 6) — Furring channels and Steel Framing Members as a Furring Channels — Formed of No. 25 MSG galv steel. 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Gypsum board attached to furring channels as described in Item 4.

b Steel Framing Members\* — Used to attach furring channels (Item 6Fa) to studs. Clips spaced maximum 48 in. OC. Clips secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips.

CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

6F. Steel Framing Members\* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. Steel Framing Members\* — Used to attach furring channels (Item 6Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 10 x 2 in. screw through the center hole. Furring channels are friction fit into clips. MASON INDUSTRIES INC — Type CWC-50

7. Wall and Partition Facings and Accessories\* — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified

1P. Framing Members\* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 – For use with Item 2R, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-5/8 in. deep fabricated from min. 20 EQ/22 mils. (min. 0.0221 in. thick) galvanized steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

JJC INTERNATIONAL DISTRIBUTORS — Non-structural Tracks 3-5/8" and 6".

2. Steel Studs — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. Framing Members\* — Steel Studs — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24

in. OC. Studs to be cut 3/4 in. less than assembly height. **ALLSTEEL & GYPSUM PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

**TELLING INDUSTRIES L L C** — Type SUPREME D24/30EQD and Type SUPREME D20

**UNITED METAL PRODUCTS INC** — Type SUPREME D24/30EQD and Type SUPREME D20

2B. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly CEMCO, LLC — Viper20™

CRACO MFG INC — SmartStud20™ MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. Steel Studs — (As an alternate to Item 2, For use with Item 1C) — Channel shaped, fabricated from min 20 MSG corrosionprotected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in, less than assembly height. See materials in Item(s) 4 that require Item 2C studs.

2D. Framing Members\* — Steel Studs — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD MBA METAL FRAMING — ProSTUD RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. Framing Members\* — Steel Studs — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than TELLING INDUSTRIES L L C — TRUE-STUD™

4D. Gypsum Board\* — As an alternate to Items 4, 4A, 4B, 4C, 4G — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field, and 12 in. along the top and bottom of the wall. When used in widths other than 48 in., gypsum panels to be installed horizontally. When studs (Item 2) spaced a max 16 in. OC, 5/8 in. thick gypsum panels applied vertically or horizontally, 1 in. long spaced 16 in. OC along vertical edges and in the field, and 16 in. OC along top and bottom of wall NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW-3, FSW-5, FSW-6, FSMR-C

4E. Gypsum Board\* — (As an Alternate to Items 4 through 4D) – Installed as described in item 4. 5/8 in. thick, 4 ft wide, applied vertically only and fastened to the studs and plates with 1 in. long Type S steel screws spaced 12 in. OC. When studs (Item 2) spaced a max 16 in. OC, 5/8" in. thick gypsum panels applied vertically or horizontally with 1 in. long Type S steel screws spaced 16 in. OC along vertical edges and in the field, and 16 in. OC along top and bottom of wall. NATIONAL GYPSUM CO — Type SBWB

4F. Gypsum Board\* — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. RAY-BAR ENGINEERING CORP — Type RB-LBG

4G. Gypsum Board\* — (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When using Types eXP-C, FSK, FSK-C, FSK-G, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSMR-C and ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter.

CERTAINTEED GYPSUM INC — Type LGFC6A, LGFC-C/A NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSW-G, FSW-G, FSW-3, FSW-5, FSW-6, and FSMR-C UNITED STATES GYPSUM CO — Type SCX, ULIX

4H. Gypsum Board\* — (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4. PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

4l. Gypsum Board\* — (As an alternate to Items 4 through 4F) — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter. When using ULIX, panels need not be staggered in horizontal applications and screw spacing can be increased to 12 in. OC in field and perimeter.

CGC INC — Types SCX, ULIX UNITED STATES GYPSUM CO — Types SCX, ULIX

**USG BORAL DRYWALL SFZ LLC** — Type SCX

BLUE RIDGE FIBERBOARD INC — SoundStop

CGC INC — Type SCX, ULIX

**USG BORAL DRYWALL SFZ LLC** — Type SCX

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. Mineral and Fiber Board\* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.

8A. Mineral and Fiber Board — (Optional, Not Shown) — For optional use as an additional layer on one side of wall - Nom 1/2 in. thick, 4 ft wide, square edge fiber boards applied vertically to studs on one side of the wall in between the wood studs and the UL Classified Gypsum Board (Item 4). Fiber boards installed with 1-1/4 in. long, Type S steel screws spaced 12 in. OC max, with the last screws spaced 2 in. and 6 in. from edge of board. Gypsum board (Item 4) installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. Not evaluated for use with Item 4M.

8B. Mineral and Fiber Board\* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall, Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer is to be installed over the Mineral and Fiber Boards and secured to studs with length of fasteners increased by 1/2 in. over the length specified for installation of the gypsum boards. Batts and Blankets, Item 3, are optional unless otherwise required. Not for use with Items 4F, 4J, 4L, and 4M. **HOMASOTE CO** — Homasote Type 440-32

9. Lead Batten Strips — (Not Shown, For Use With Item 4E) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints.

9A. Lead Batten Strips — (Not Shown, for use with Item 4J) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in, long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4J) and optional at remaining stud locations.

10. Lead Discs or Tabs — (Not Shown, For Use With Item 4E) — Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. Lead Discs — (Not Shown, for use with Item 4J) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D". 11. Adhesive — Not Shown — (For use with Item 8) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in.

wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8).

12. Wall and Partition Facings and Accessories\* — (CLBV) (Optional, Not Shown) — For use with Items 1 to 1I, Items 2 to 2J, Item 3, Items 4 to 4I, Item 5 and Item 6. For maximum fire rating of 1 hour. On one side of the wall, over the first layer of Gypsum Board (Item 4 to Item 4I), install RefleXor membrane with the gold side facing outwards. Membrane installed with T50 staples spaced 12 inches on

2F. Framing Members\* — Steel Studs — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height. KIRII (HONG KONG) LTD — Type KIRII

2G. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height. STUDCO BUILDING SYSTEMS — CROCSTUD

2H. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height. EB METAL INC — NITROSTUD

2J. Framing Members\* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG

21. Framing Members\* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG

2K. Framing Members\* — Steel Studs — As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped

studs. fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be

corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2L. Framing Members\* — Steel Studs — As an alternate to Items 2 — For use with Item 1J, channel shaped studs, min 3-5/8 in. wide abricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. RESCUE METAL FRAMING, L L C — AlphaSTUD

2M. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/4 in. less in length than assembly height. CEMCO, LLC — Viper X

2N. Framing Members\* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly CRACO MFG INC — SmartStud20"

4J. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) — Nom 5/8 in, thick lead backed gypsum panels with beyeled, square or tapered edges. applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A). MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4K. Gypsum Board\* — (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A. **CGC INC** — Type ULX UNITED STATES GYPSUM CO — Type ULX

4L. Gypsum Board\* — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in, long Type S-12 steel screws gypsum panel steel screws spaced 8 in, OC at perimeter and 12 in, OC in the field, Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

4M. Gypsum Board\* — (For use with Item 8) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound. AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C CGC INC — Types C, IP-X2, IPC-AR CERTAINTEED GYPSUM INC — Type LGFC-C/A GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

**USG MEXICO S A DE C V** — Type ULX

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C PANEL REY S A — Types PRC, PRC2 SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air,

Gvproc FireStop MR ACTIV'Air. Gvproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air THAI GYPSUM PRODUCTS PCL — Type C, M2Tech Type C UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR, ULIX

**USG MEXICO S A DE C V** — Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

the stud cavity as per Item 3.

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

center in both directions as per manufacturer's instructions, seams in membrane to be overlapped by 2 inches. When RefleXor membrane is used an additional layer of Gypsum Board that is identical to the one used in the first layer and as specified in Item 4 to Item 4I shall be installed over the membrane. The additional layer of Gypsum Board to be installed through the membrane to the stud as specified in Item 4 to Item 4I except the fastener length shall be increased by a minimum of 5/8 inch. Install Batts and Blankets in

On the other side of the wall, prior to the installation of the Gypsum Board, install Resilient Channels as per Item 6. Over the Resilient Channels install 3/4 inch thick SONOpan panel secured to the Resilient Channels with min. 1-1/4 in. long drywall screws and washers spaced at 16 in. OC on the perimeter of the panel and 8 in. OC in the field of the panel. Over the SONOpan panel install the same Gypsum Board as specified in Item 4 to Item 4I with the fastener length increased by minimum 3/4 inch. Not evaluated or intended as a substitute for the required layer(s) of UL Classified

Alternately, on the other side of the wall prior to the installation of the Gypsum Board, install 3/4 in. thick SONOpan panels, secured to one side of studs either horizontally or vertically. Panels secured to each stud with min. 1-1/4 in. long drywall screws spaced 12 in. OC. Over the SONOpan, install 25 MSG galv steel, Resilient Channels, spaced vertically 24 in. OC. Resilient Channels fastened through panels to each stud with min. 2 in. long drywall screws or self-tapping screws. Over the Resilient Channels install Gypsum Board as specified in Item 4 to Item 4l with the specified drywall screws. Panels not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board. MSL — RefleXor membrane, SONOpan panel

13. Barrier Mesh — (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 4) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively Last Updated on 2024-02-16

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PROJECT INFORMATION

R23.00720.00

Project Name

YORK COUNTY, SC

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

DISTRICT 3 SHERIFF'S OFFICE

PROFESSIONAL STAMPS

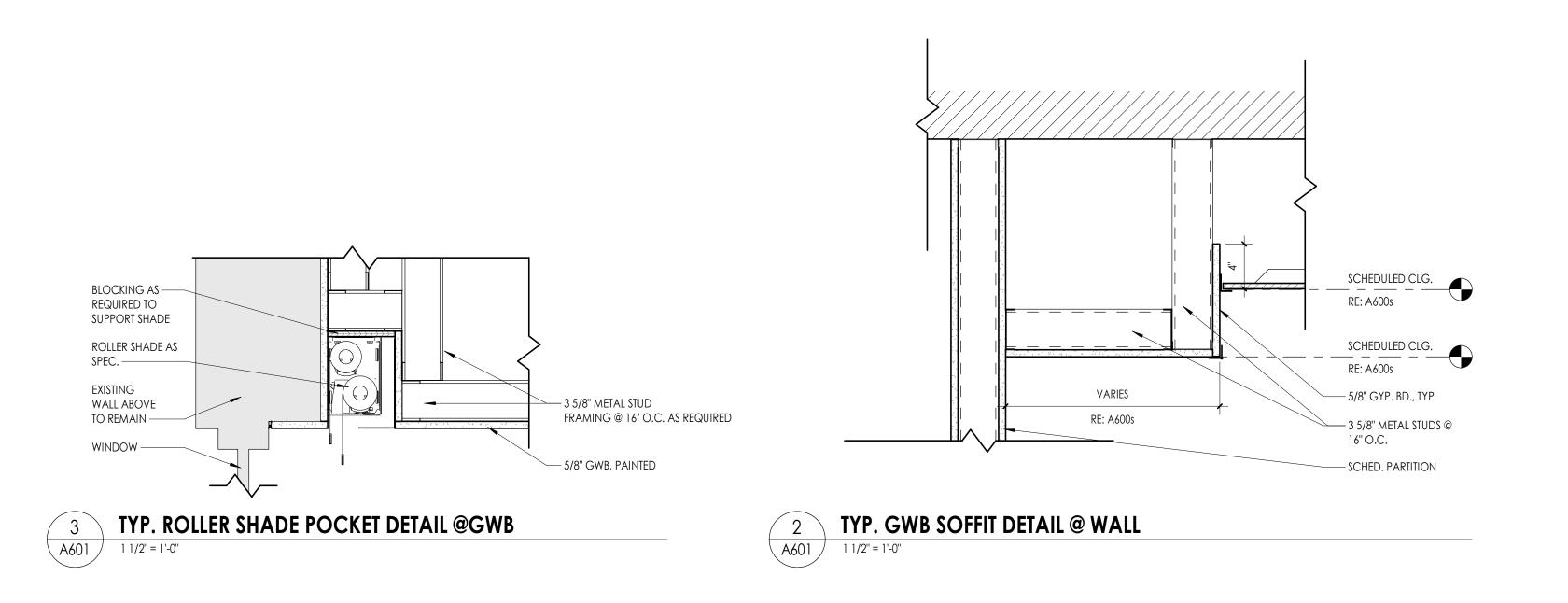




SHEET INFORMATION

05/09/2024 Proiect Status 100% CONSTRUCTION DOCUMENTS Drawn By NDS Drawing Title

UL DETAIL - U465





REFLECTED CEILING PLAN LEVEL 1

GENERAL CEILING NOTES

- 1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- 2. REFER TO A200 SERIES FOR FLOOR PLAN.
- 3. FOR ANY DISCREPANCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR PLAN: THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPANCY SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
- 4. FIRE STOP MECHANICAL, ELECTRICAL AND PLUMBING ITEMS, INCLUDING BUT NOT LIMITED TO DUCTWORK AND CONDUIT PENETRATIONS THROUGH FLOORS AND
- 5. COORDINATE CEILING INSTALLATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. 6. REFER TO "H" SERIES DRAWINGS FOR DIFFUSERS AND GRILLE LOCATIONS.
- 7. REFER TO **"E" SERIES** DRAWINGS FOR LIGHTING TYPES AND CONTROLS. 8. REFER TO "P" OR "FP" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS. 9. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT

BROOMED CLEAN AT THE END OF EACH DAY.

- 10. CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED. 11. VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN
- 12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET
- AND OTHER WET LOCATION CEILING ASSEMBLIES. 13. ALL GYP. BD. CEILINGS AND SOFFITS SHALL BE PRIMED AND PAINTED SCHEDULED COLOR ON ALL FACES AND UNDERSIDE SURFACE.
- 14. VERIFY SOFFIT SIZE WITH MILLWORK SHOP DRAWINGS. PROVIDE 2" OVERHANG ON EXPOSED EDGES UNLESS NOTED OTHERWISE. 15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING
- 16. INSTALL CONTROL JOINTS IN GYP. CEILINGS PER ASTM C 840.

CEILING SYMBOL LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT. 2'X2' LIGHT 2'x4' LIGHTS 1'X4' LINEAR LIGHT FIXTURE RECESSED CAN LIGHT FIXTURE PENDANT LIGHT FIXTURES WALL SCONCE SUPPLY AIR DIFFUSERS RETURN AIR DIFFUSERS **EXHUAST DIFFUSERS** LINEAR SLOT AIR DIFFUSERS GYPSUM WALL BOARD CEILING ACOUSTICAL TILE CEILING PLAM WOOD CEILING ACOUSTICAL WOOD CEILING TILE CEILING TYPE AND CEILING HEIGHT ABOVE

### **CEILING KEYNOTES**

PROVIDE RECESSED ROLLER SHADE POCKET FOR WT AS SPECIFIED. REFER TO DETAIL 3/A601

PROFESSIONAL STAMPS



CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

R23.00720.00

Project Name



SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS

OVERALL REFLECTED CEILING PLAN LEVEL 1



1 REFLECTED CEILING PLAN LEVEL 2

### GENERAL CEILING NOTES

- 1. ALL DRAWINGS ARE GRAPHIC REPRESENTATION OF APPROXIMATE LOCATIONS OF NEW MATERIALS FOR CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.

  2. REFER TO A200 SERIES FOR FLOOR PLAN.

  3. FOR ANY DISCREPANCY BETWEEN THE REFLECTED CEILING PLAN AND THE FLOOR
- PLAN: THE FLOOR PLAN SHALL TAKE PRECEDENCE. ANY DISCREPANCY SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.

  4. FIRE STOP MECHANICAL, ELECTRICAL AND PLUMBING ITEMS, INCLUDING BUT NOT LIMITED TO DUCTWORK AND CONDUIT PENETRATIONS THROUGH FLOORS AND
- WALLS.5. COORDINATE CEILING INSTALLATIONS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 6. REFER TO "H" SERIES DRAWINGS FOR DIFFUSERS AND GRILLE LOCATIONS.
  7. REFER TO "E" SERIES DRAWINGS FOR LIGHTING TYPES AND CONTROLS.
  8. REFER TO "P" OR "FP" SERIES DRAWINGS FOR SPRINKLER HEAD LOCATIONS.
- WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH DAY.
   CENTER CEILING GRID (EACH WAY) IN ROOMS SCHEDULED TO RECEIVE ACOUSTICAL CEILING SYSTEMS UNLESS OTHERWISE NOTED.
   VERIFY WITH ARCHITECT THE INSTALLATION OF ANY CEILING TILES LESS THAN 4" IN
- 12. PROVIDE MOISTURE RESISTANT GYP. BD. AT ALL TOILET ROOM, JANITOR'S CLOSET AND OTHER WET LOCATION CEILING ASSEMBLIES.

  13. ALL GYP. BD. CEILINGS AND SOFFITS SHALL BE PRIMED AND PAINTED SCHEDULED COLOR ON ALL FACES AND UNDERSIDE SURFACE.
- 14. VERIFY SOFFIT SIZE WITH MILLWORK SHOP DRAWINGS. PROVIDE 2" OVERHANG ON EXPOSED EDGES UNLESS NOTED OTHERWISE.
  15. WHERE APPLICABLE ALL FIXTURES AND DEVICES SHALL BE CENTERED ON A CEILING
- TILE. 16. INSTALL CONTROL JOINTS IN GYP. CEILINGS PER ASTM C 840.

### CEILING SYMBOL LEGEND

2'x4' LIGHTS

2'X2' LIGHT

1'X4' LINEAR LIGHT FIXTURE

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

Ø Ø RECESSED CAN LIGHT FIXTURE® ØPENDANT LIGHT FIXTURES

WALL SCONCE

SUPPLY AIR DIFFUSERS

RETURN AIR DIFFUSERS

EXHUAST DIFFUSERS

LINEAR SLOT AIR DIFFUSERS

GYPSUM WALL BOARD CEILING

ACOUSTICAL TILE CEILING

PLAM WOOD CEILING

ACOUSTICAL WOOD CEILING TILE

ACT-1

O'O"

CEILING TYPE AND CEILING HEIGHT ABOVE

EINISHED ELOOP

### **CEILING KEYNOTES**

PROVIDE RECESSED ROLLER SHADE POCKET FOR WT AS SPECIFIED. REFER TO DETAIL 3/A601

PROJECT INFORMATION

Project Number

Project Name

R23.00720.00
Client Name
YORK COUNTY, SC

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

PROFESSIONAL STAMPS





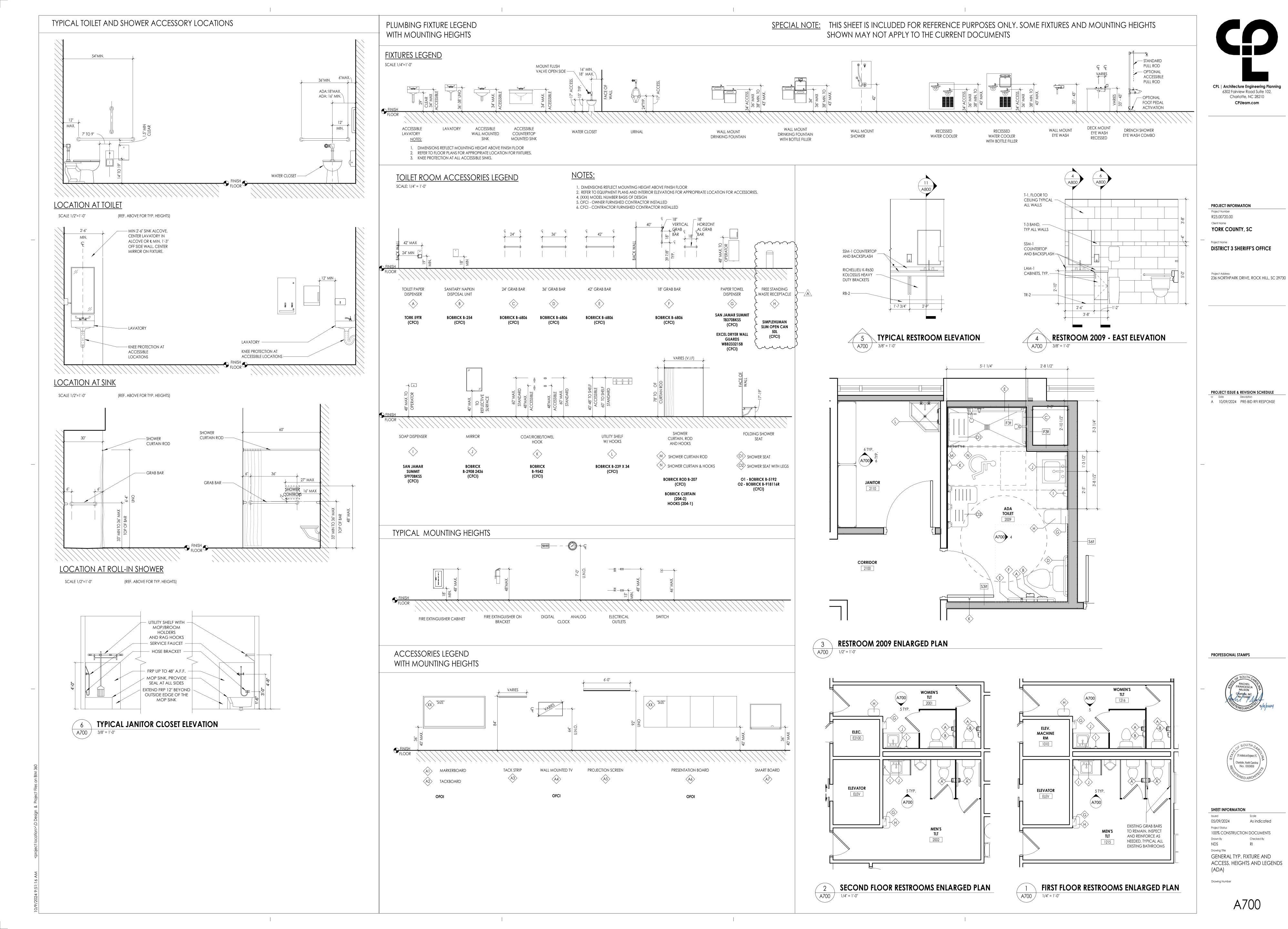
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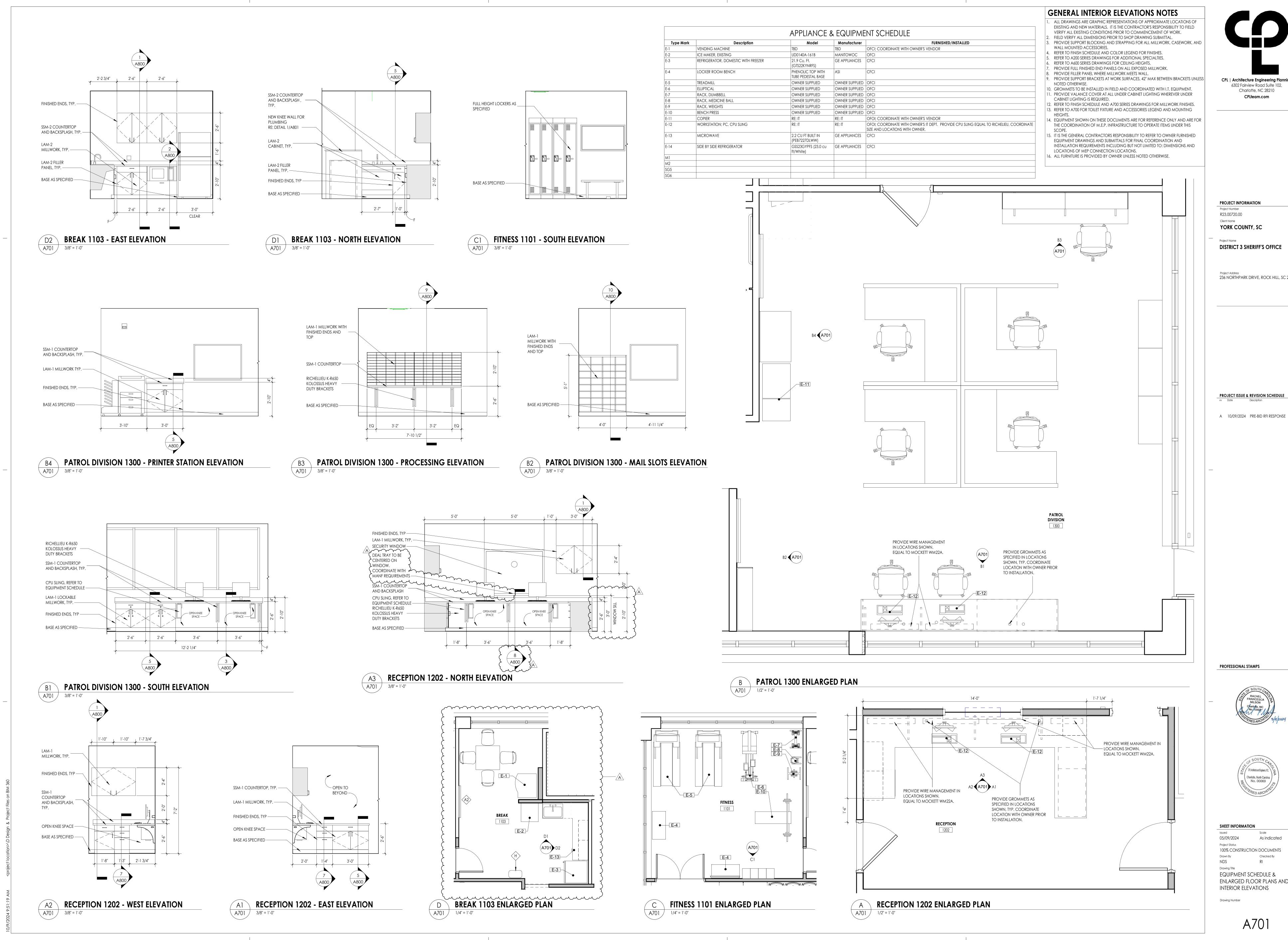
Issued Scale
05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS

OVERALL REFLECTED CEILING
PLAN LEVEL 2

Drawing Number

NDS





CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102, Charlotte, NC 28210 CPLteam.com

PROJECT INFORMATION

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730





As indicated 100% CONSTRUCTION DOCUMENTS

EQUIPMENT SCHEDULE & ENLARGED FLOOR PLANS AND

Type Mark	Description	Model	Manufacturer	FURNISHED/INSTALLED
E-1	VENDING MACHINE	TBD	TBD	OFCI; COORDINATE WITH OWNER'S VENDOR
E-2	ICE MAKER, EXISTING	UD0140A-161B	MANITOWOC	OFCI
E-3	REFRIGERATOR, DOMESTIC WITH FREEZER	21.9 Cu. Ft. (GTS22KYNRFS)	GE APPLIANCES	CFCI
E-4	LOCKER ROOM BENCH	PHENOLIC TOP WITH TUBE PEDESTAL BASE	ASI	CFCI
E-5	TREADMILL	OWNER SUPPLIED	OWNER SUPPLIED	OFCI
E-6	ELLIPTICAL	OWNER SUPPLIED	OWNER SUPPLIED	OFCI
E-7	RACK, DUMBBELL	OWNER SUPPLIED	OWNER SUPPLIED	OFCI
E-8	RACK, MEDICINE BALL	OWNER SUPPLIED	OWNER SUPPLIED	OFCI
E-9	RACK, WEIGHTS	OWNER SUPPLIED	OWNER SUPPLIED	OFCI
E-10	BENCH PRESS	OWNER SUPPLIED	OWNER SUPPLIED	OFCI
E-11	COPIER	RE: IT	RE: IT	OFOI; COORDINATE WITH OWNER'S VENDOR
E-12	WORKSTATION; PC, CPU SLING	RE: IT	RE: IT	OFOI; COORDINATE WITH OWNER'S IT DEPT. PROVIDE CPU SLING EQUAL TO RICHELIEU, COORDINATE SIZE AND LOCATIONS WITH OWNER.
E-13	MICROWAVE	2.2 CU FT BUILT IN (PEB7227DLWW)	GE APPLIANCES	CFCI
E-14	SIDE BY SIDE REFRIGERATOR	GSS23GYPFS (23.0 cu ft/White)	GE APPLIANCES	CFCI
M1				
M2				
SG5				
SG6				

### GENERAL INTERIOR ELEVATIONS NOTES

- . ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- 2. FIELD VERIFY ALL DIMENSIONS PRIOR TO SHOP DRAWING SUBMITTAL. 3. PROVIDE SUPPORT BLOCKING AND STRAPPING FOR ALL MILLWORK, CASEWORK, AND
- WALL MOUNTED ACCESSORIES. 4. REFER TO FINISH SCHEDULE AND COLOR LEGEND FOR FINISHES. 5. REFER TO A200 SERIES DRAWINGS FOR ADDITIONAL SPECIALTIES.
- 6. REFER TO A600 SERIES DRAWINGS FOR CEILING HEIGHTS. 7. PROVIDE FULL FINISHED END PANELS ON ALL EXPOSED MILLWORK.
- 8. PROVIDE FILLER PANEL WHERE MILLWORK MEETS WALL. 9. PROVIDE SUPPORT BRACKETS AT WORK SURFACES, 42" MAX BETWEEN BRACKETS UNLESS
- NOTED OTHERWISE. 10. GROMMETS TO BE INSTALLED IN FIELD AND COORDINATED WITH I.T. EQUIPMENT. 11. PROVIDE VALANCE COVER AT ALL UNDER CABINET LIGHTING WHEREVER UNDER
- CABINET LIGHTING IS REQUIRED. 12. REFER TO FINISH SCHEDULE AND A700 SERIES DRAWINGS FOR MILLWORK FINISHES.
- 13. REFER TO A700 FOR TOILET FIXTURE AND ACCESSORIES LEGEND AND MOUNTING
- 14. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR THE COORDINATION OF M.E.P. INFRASTRUCTURE TO OPERATE ITEMS UNDER THIS
- 15. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS AND
- LOCATIONS OF MEP CONNECTION LOCATIONS. 16. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.



Project Name

R23.00720.00 YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

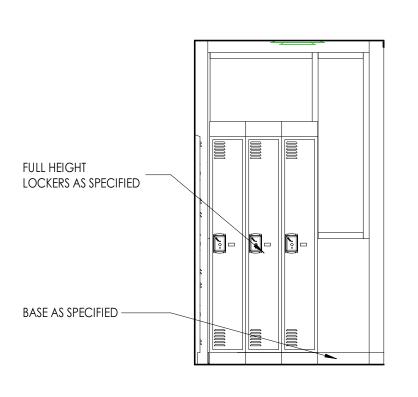
Charlotte, NC 28210

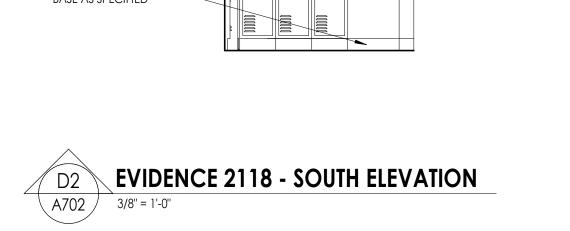
CPLteam.com

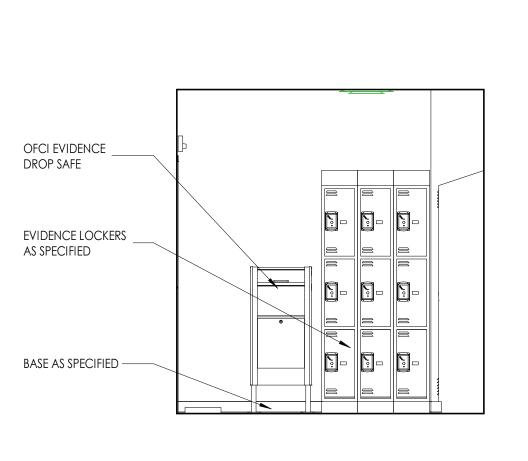
236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

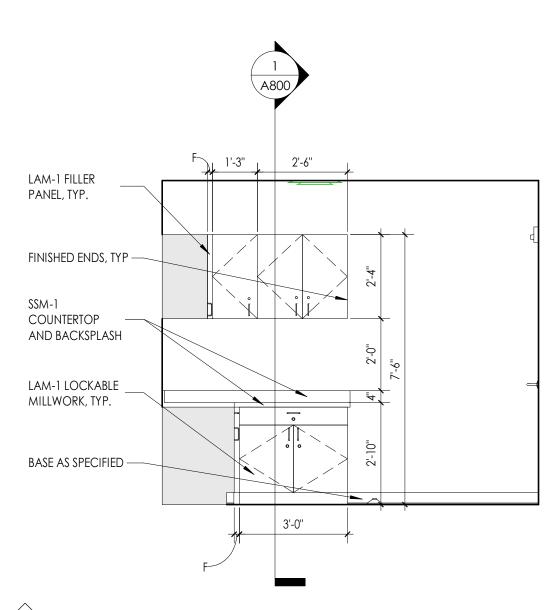
A 10/09/2024 PRE-BID RFI RESPONSE



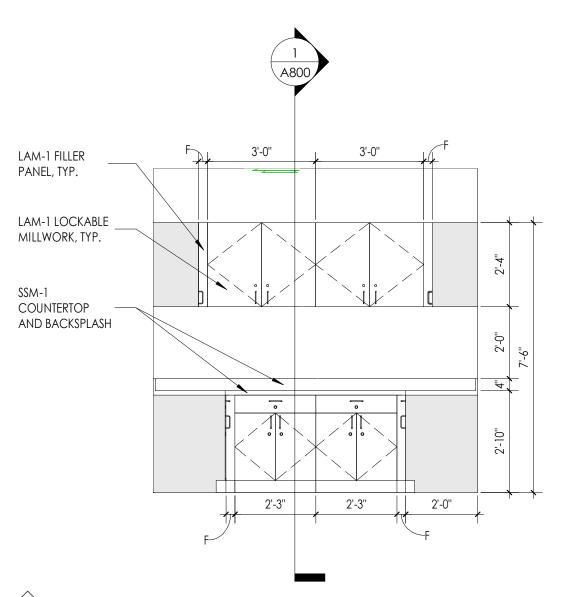


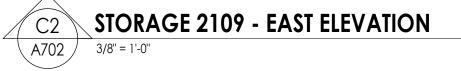


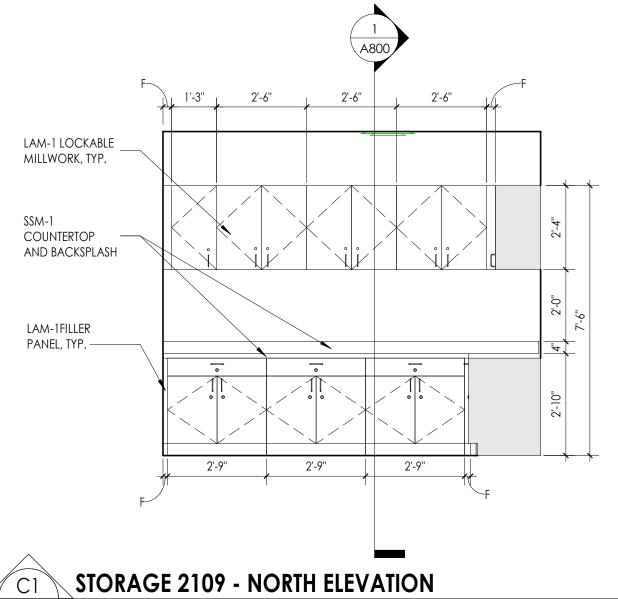




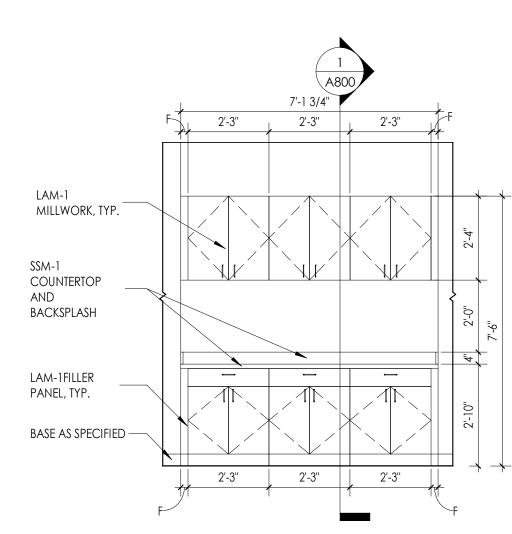




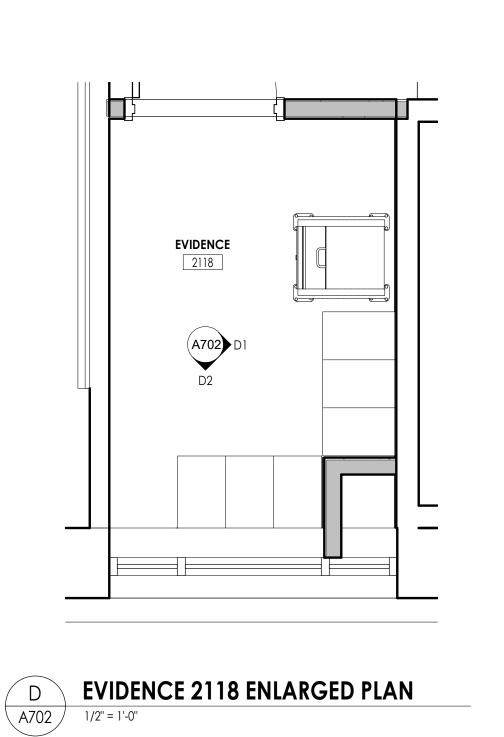


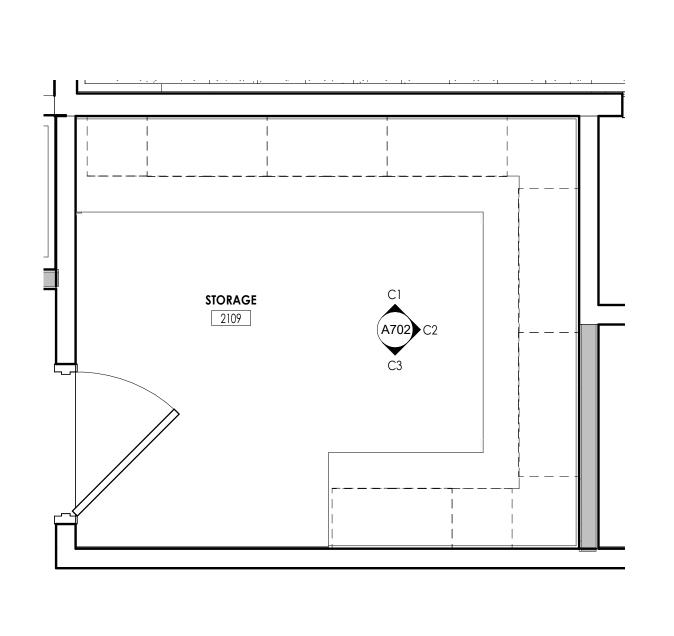


A702 3/8" = 1'-0"

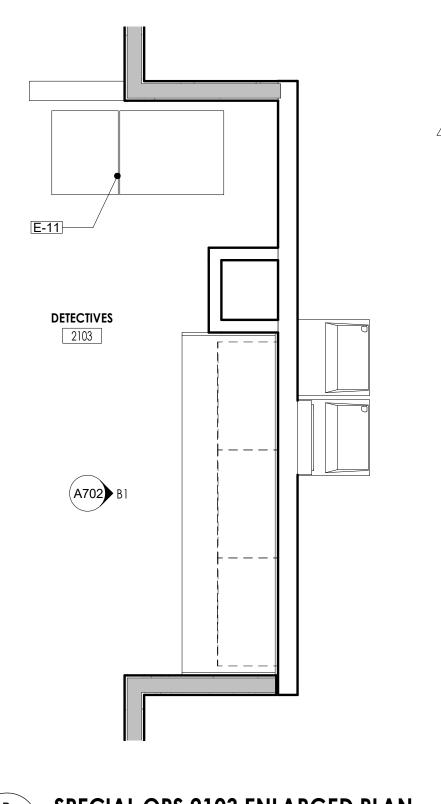






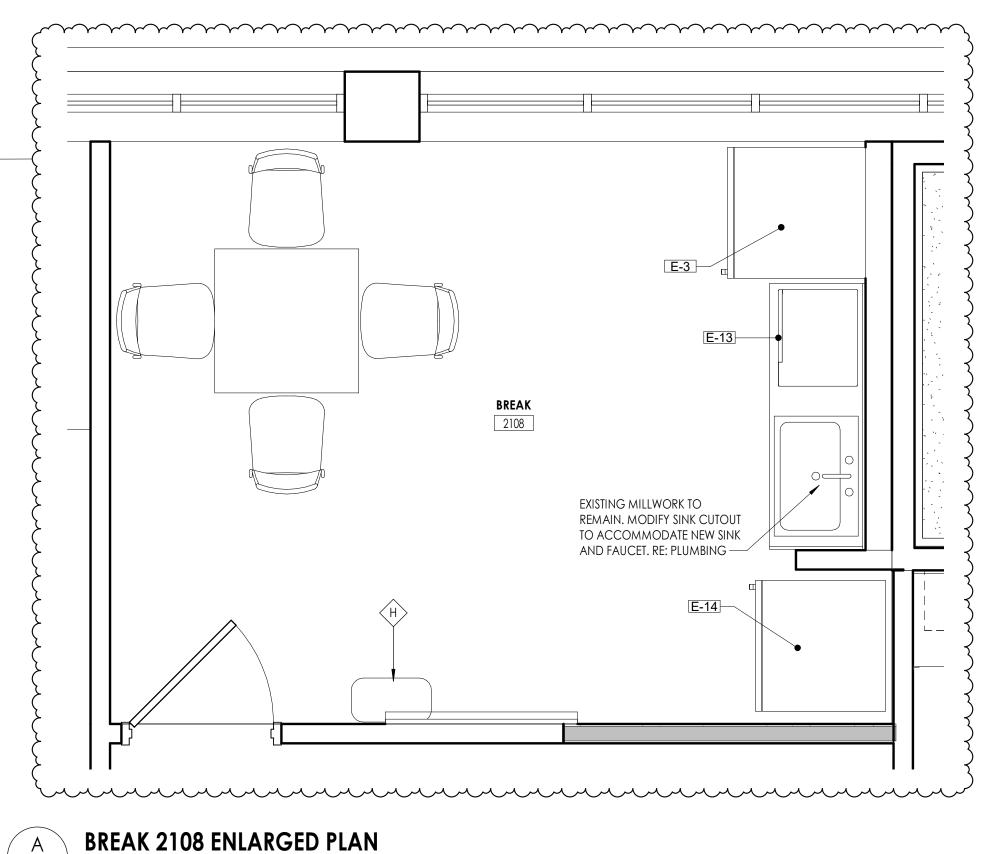








A702



PROFESSIONAL STAMPS



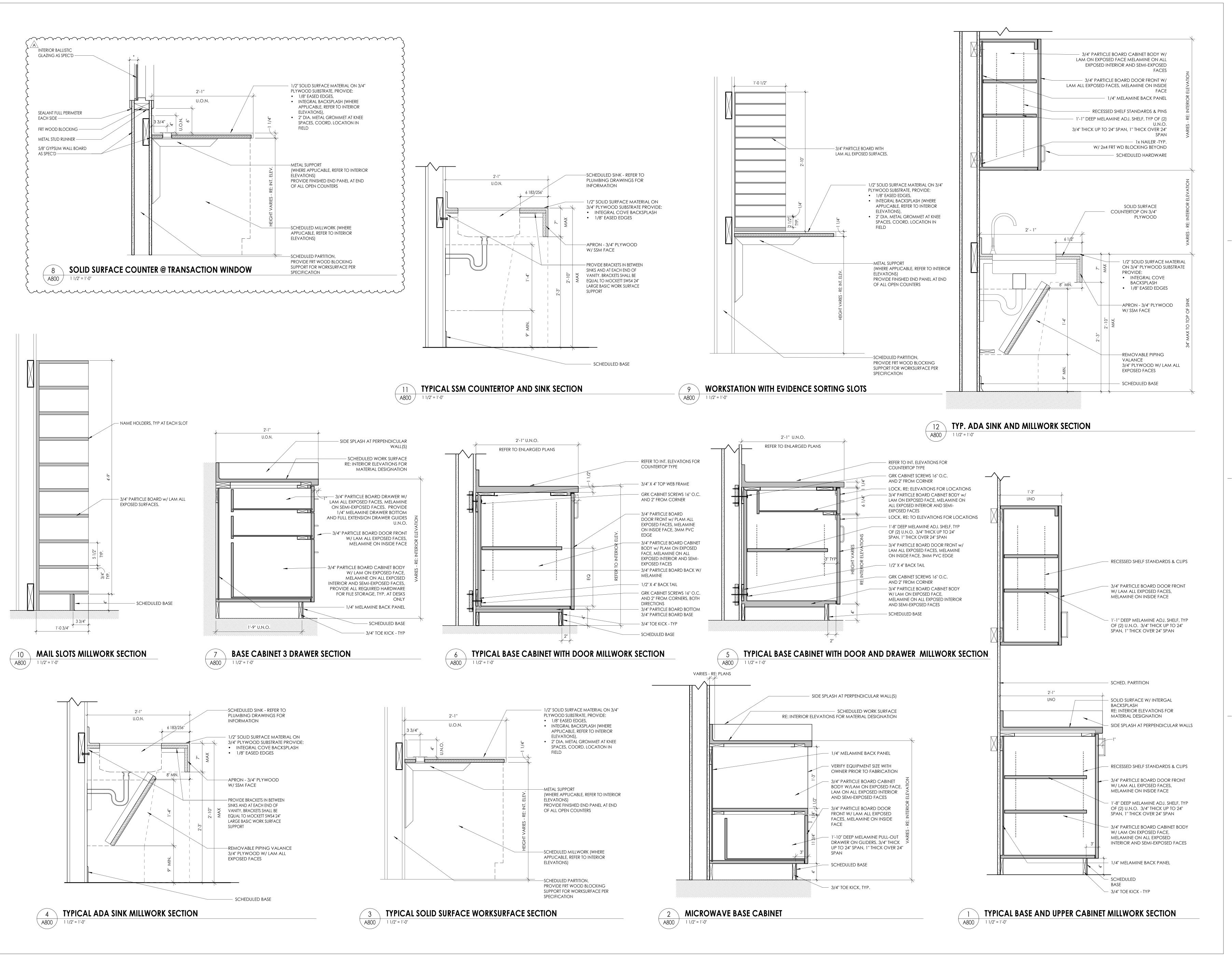


SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

Drawing Number

NDS EQUIPMENT SCHEDULE & ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS



CPL | Architecture Engineering Planning
6302 Fairview Road Suite 102,
Charlotte, NC 28210
CPLteam.com

PROJECT INFORMATION

R23.00720.00 Client Name

YORK COUNTY, SC

Project Name
DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

PROFESSIONAL STAMPS





Issued Scale
05/09/2024 1 1/2" = 1'-0"
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
NDS RI

TYPICAL MILLWORK DETAILS

Drawing Number

008/



PROJECT INFORMATION

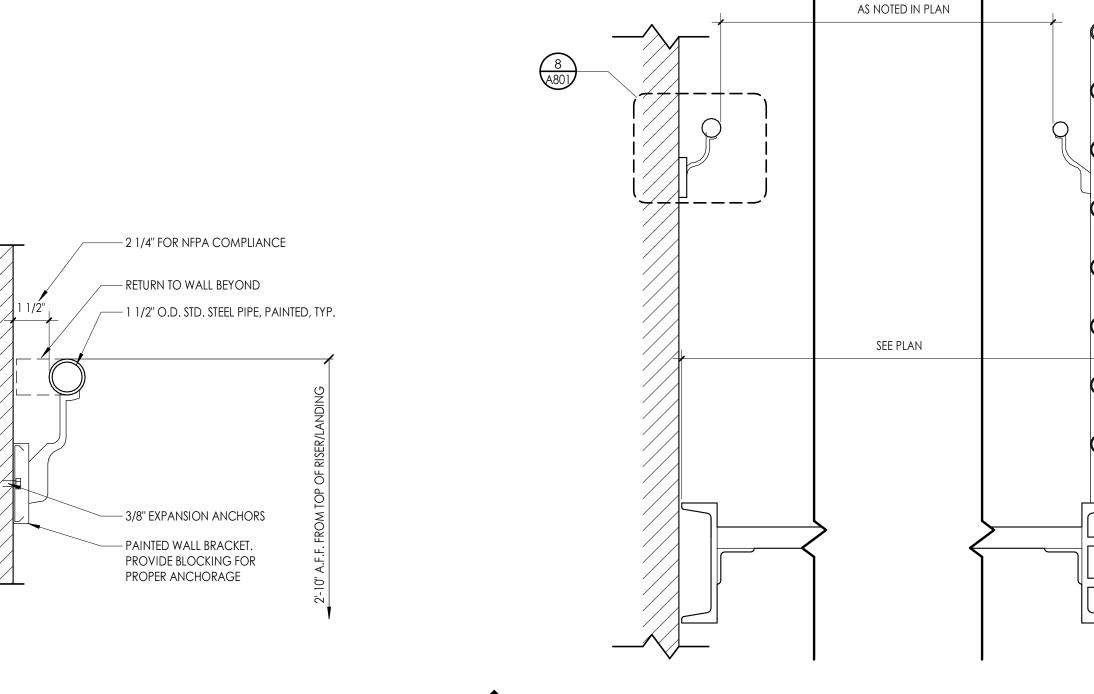
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R23.00720.00
Client Name
YORK COUNTY, SC

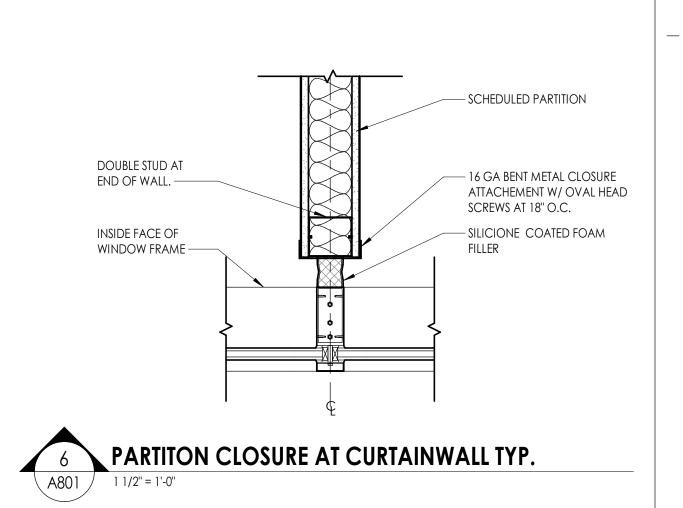
Project Name
DISTRICT 3 SHERIFF'S OFFICE

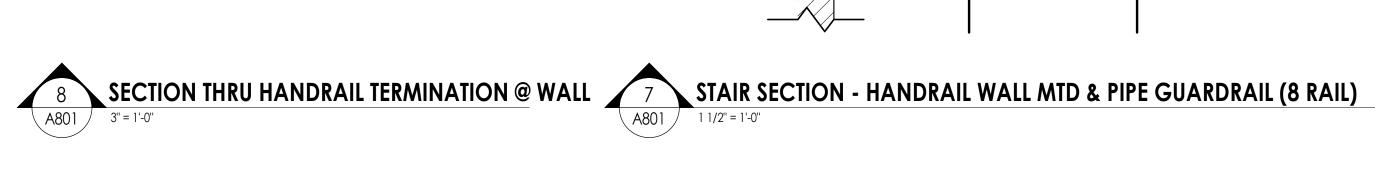
Project Address
236 NORTHPARK DRIVE, ROCK HILL, SC 29730

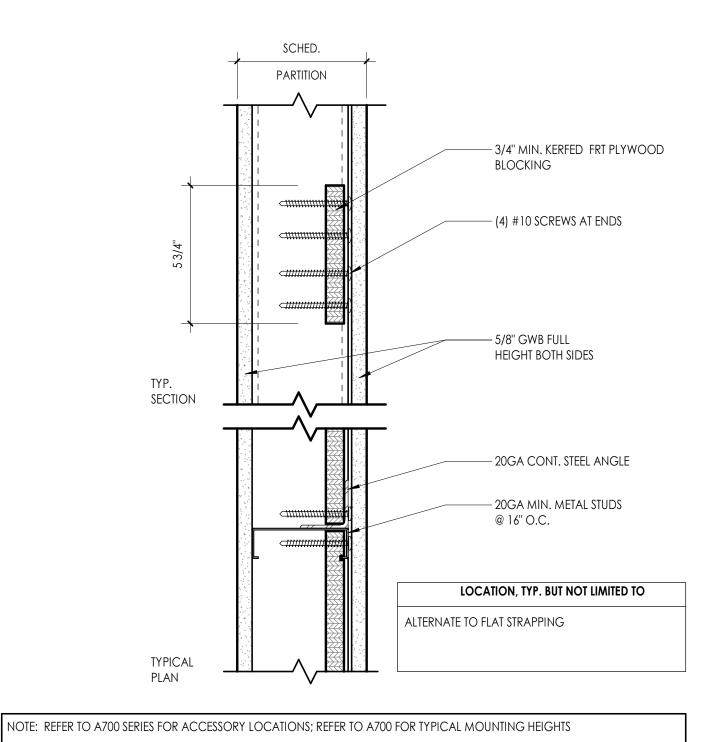
PROJECT ISSUE & REVISION SCHEDULE

vv Date Description

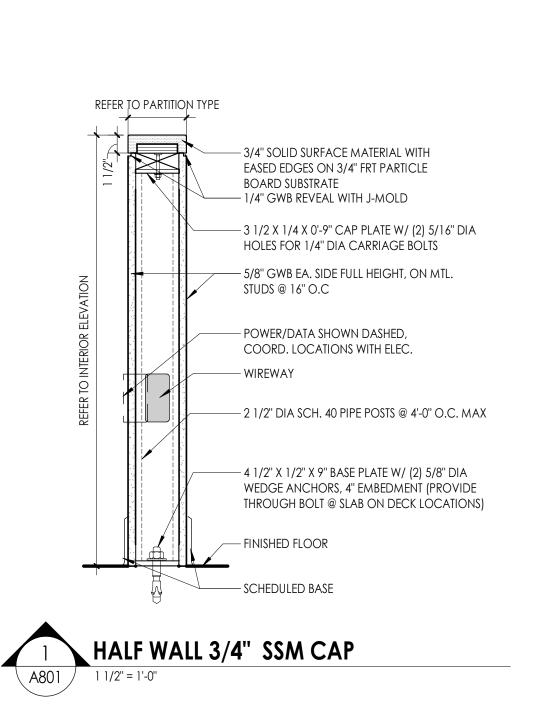


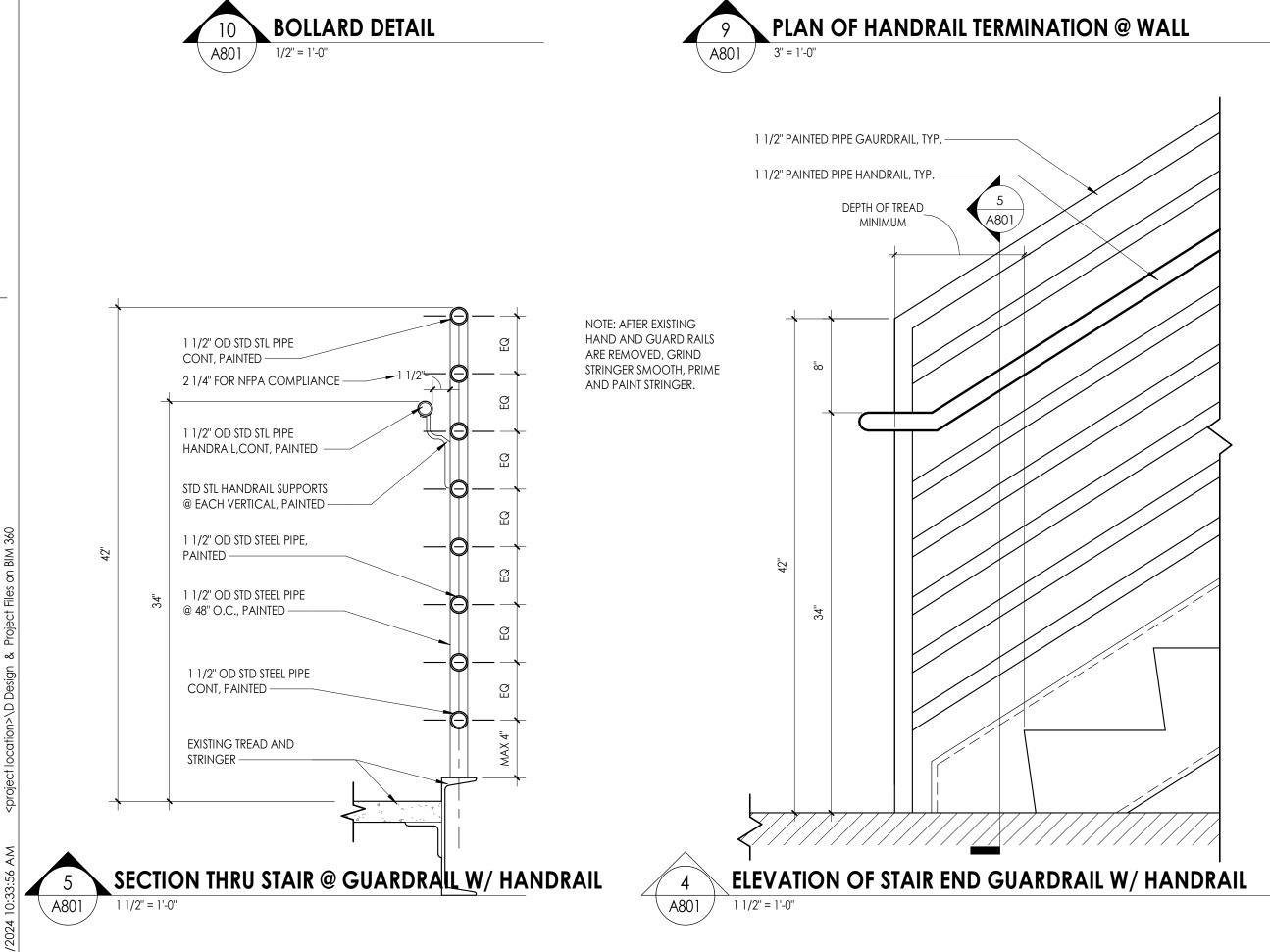






PLYWOOD BLOCKING - LOADS TO 75 LB





- CONCRETE CAP W/ TROWEL SMOOTH

— 6" DIA. STEEL PIPE

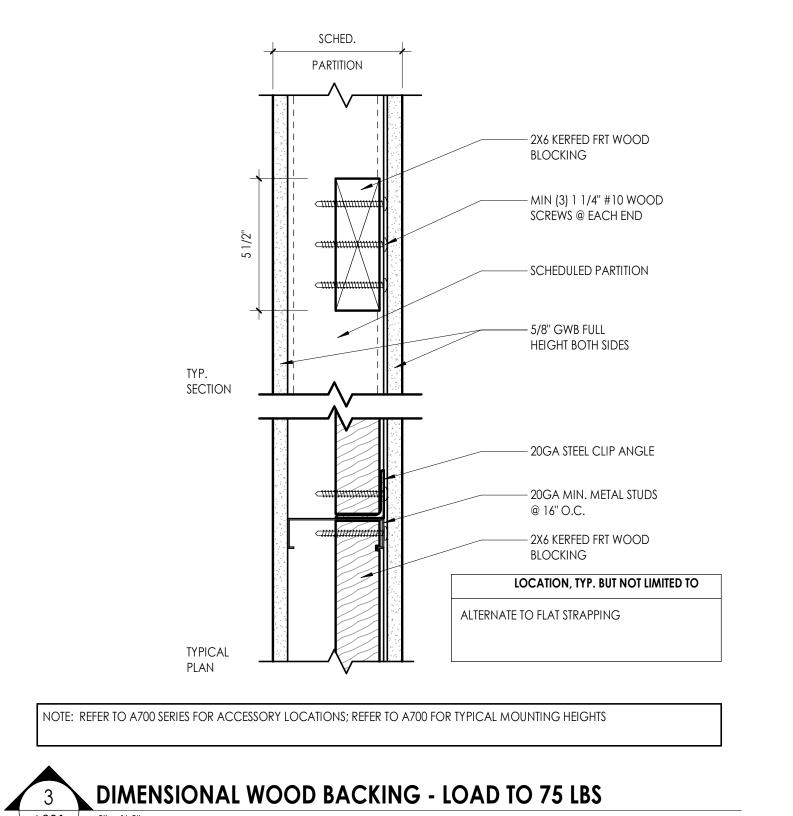
FILLED WITH CONCRETE PTD.

"OSHA-SAFETY

SLOPE CONCRETE

2'-0" DIA. CONCRETE PIER

YELLOW"



— 2 1/4" FOR NFPA COMPLIANCE

— STAINLESS STEEL WALL BRACKET

NOTE: HANDRAIL TO EXTEND MIN 12" BEYOND TOP OF STAIRS

— 1 1/2" Ø STAINLESS STEEL PIPE

4'-0" O.C. MAX

6" TYP.

Drawing Number

100% CONSTRUCTION DOCUMENTS

SHEET INFORMATION

TYPICAL DETAILS

05/09/2024

Project Status

Drawn By

NDS

Drawing Title

PROFESSIONAL STAMPS

A801

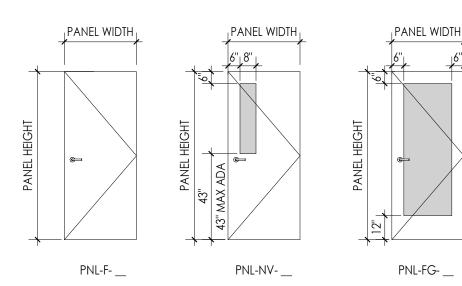
Charlotte, North Carolina
No. 00069

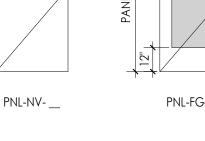
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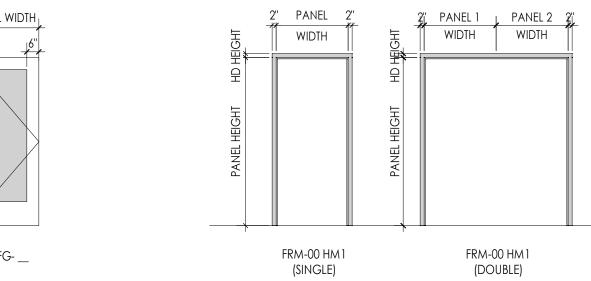
												DOOR SC	HEDULE- N	IEW					
D	OOR					DOC	OR PANELS					DOO	R FRAME			DOOR			
		PAN	NEL TYPE	SING	LE PANEL D	IMENSIONS	TOTAL	PANEL DIME	NSIONS	PANEL	FINISHES								
DOOR	FIRE RATING			W	/IDTH	HEIGHT				PANEL FINISH	PANEL FINISH						GLAZING		
NUMBER	(MIN)	PANEL 1	PANEL 2	PANEL 1	PANEL 2	PANELS 1 & 2	WIDTH	HEIGHT	THICKNESS	SIDE 1	SIDE 2	FRAME TYPE	FRAME FINISH	HEAD DTL	JAMB DTL	HW SET	TYPE	COMMENTS	
VL 1																			
000-1		PNL-FG-AL		3'-0"		7'-0"	3'-0"	7'-0"	0'-1 3/4"	Aluminum	Aluminum	FRM-00AL(CW)	PAINT - RE INT	3/A900	5/A900, 6/A900, 7/A900	01	G1	TEMPERED GLASS	
002-1		PNL-FG-AL		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Aluminum	Aluminum	FRM-00AL(CW)	PAINT - RE INT	3/A900	5/A900, 6/A900, 7/A900	01	G1	TEMPERED GLASS	
100-1	45	PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	04			
100-2		PNL-NV-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	04	G2	TEMPERED GLASS	
101		PNL-F-WD	PNL-F-WD	3'-0"	3'-0''	7'-0''	6'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	10			
102		PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	03			
103		PNL-F-WD		3'-0"		7'-0"	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	07			
104-1	45	PNL-NV-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	04	G2	TEMPERED GLASS; PANIC HARDWARE RE: SPECS	
104-2		PNL-F-WD	PNL-F-WD	3'-0"	3'-0''	7'-0''	6'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	10			
104-3		PNL-FG-AL		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Aluminum	Aluminum	FRM-00AL(CW)	PAINT - RE INT	3/A900	5/A900, 6/A900, 7/A900	01	G1	TEMPERED GLASS; PANIC HARDWARE RE: SPECS	
105		PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	03			
201-1		PNL-F-WD		3'-0"		7'-0''	3'-0''	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	08			
201-2		PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	08			
202		PNL-F-WD		3'-0"		7'-0''	3'-0''	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	07			
300		PNL-FG-AL		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Aluminum	Aluminum	FRM-00AL(CW)	PAINT - RE INT	3/A900	5/A900, 6/A900, 7/A900	01	G1	TEMPERED GLASS	
VL 2					•														
100A	45	PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	05			
103-1	45	PNL-NV-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	04	G2	TEMPERED GLASS	
103-2	45	PNL-NV-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	04	G2	TEMPERED GLASS	
104		PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	06			
109A	45	PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	03A			
110	45	PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	03A			
111		PNL-F-WD		3'-0"		7'-0''	3'-0"	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	06			
118	45	PNL-F-WD		3'-0"		7'-0''	3'-0''	7'-0''	0'-1 3/4"	Wood - Stained	Wood - Stained	FRM-00HM1	PAINT - RE INT	1/A900	2/A900	03A			

**NOTE:** SEE SPECIFICATIONS FOR HARDWARE REQUIREMENTS ON EXISTING DOORS TO REMAIN.

DOOR PANEL TYPES

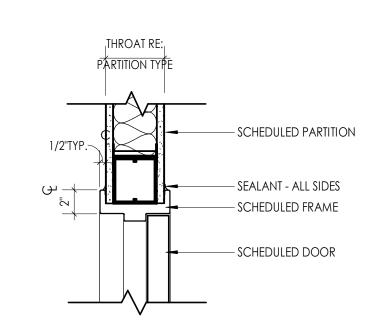




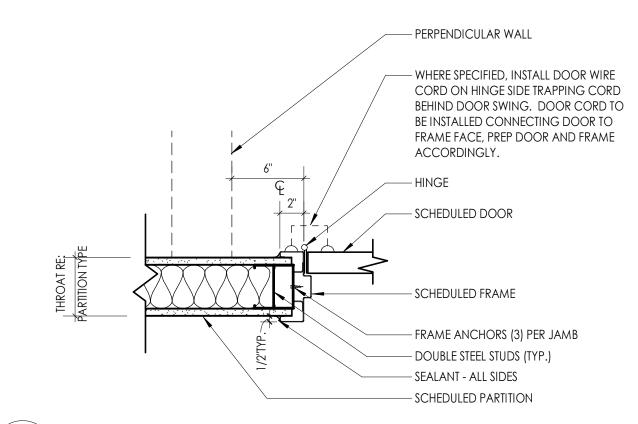




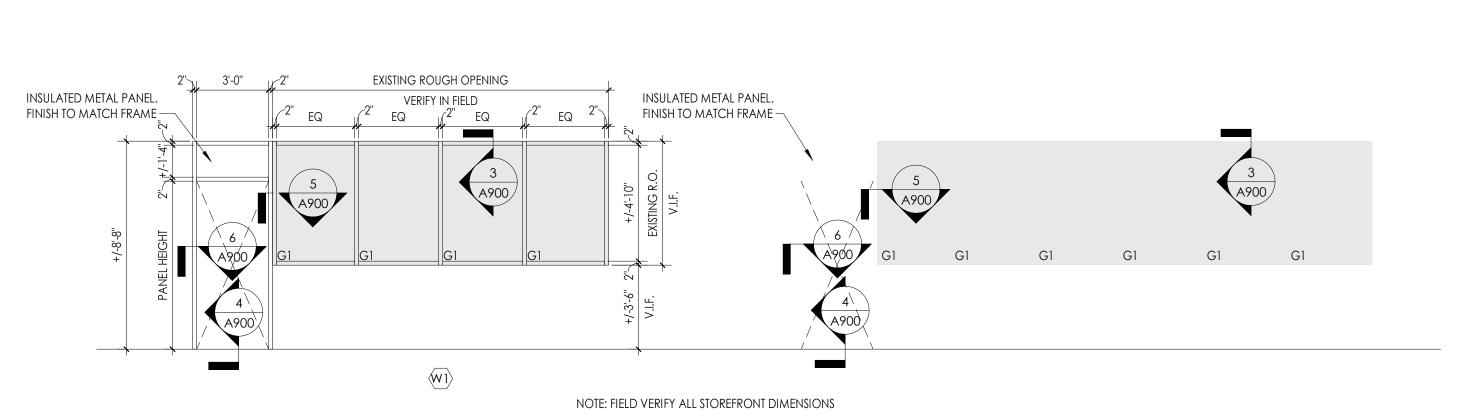
DOOR FRAME TYPES



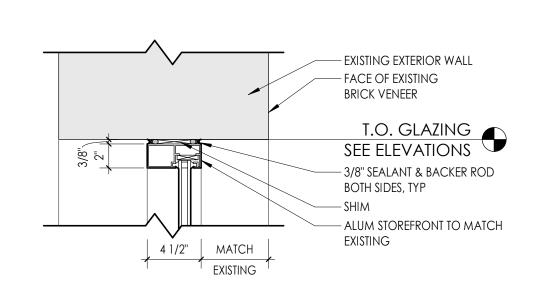




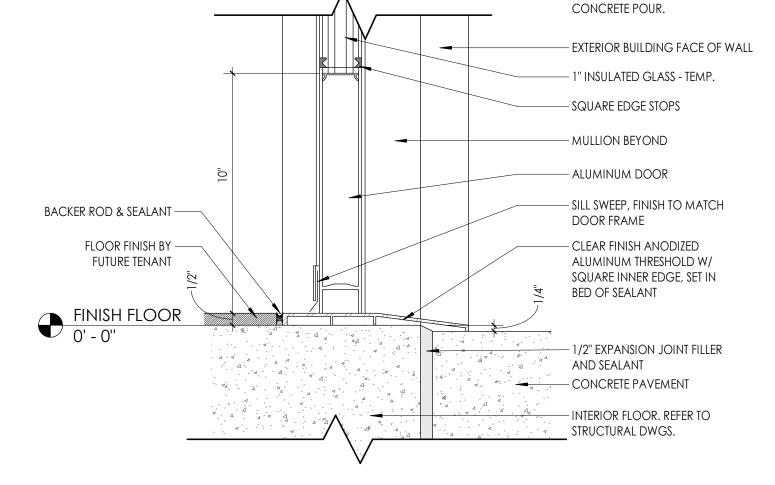






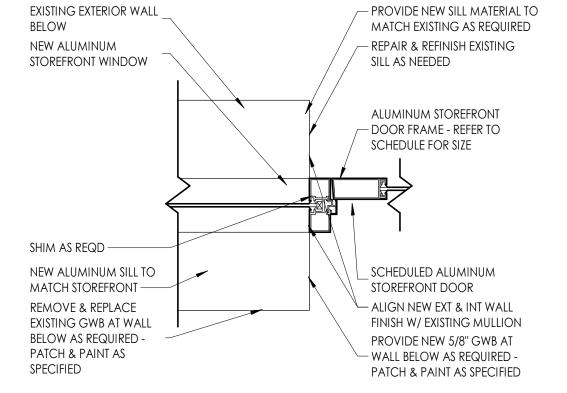




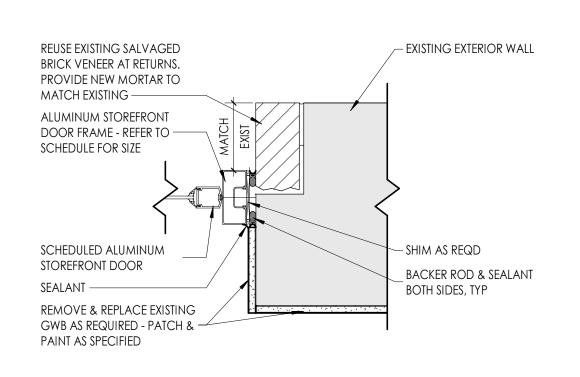


FIELD SUPERINTENDENT TO COORDINATE SITE FLATWORK ELEVATIONS PRIOR TO

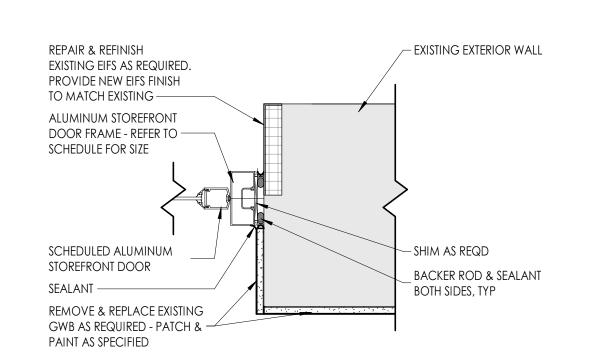












A900 1 1/2" = 1'-0"

### DOOR AND FRAME NOTES

WD-L WOOD LEAD LINED

- 1. REFER TO A900S FOR DOOR & FRAME SCHEDULE 2. ALL FRAMES ARE TO RECEIVE FULL PERIMETER SEALANT. INTERIOR AND EXTERIOR 3. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO BE VERIFIED IN FIELD
- AND COORDINATED WITH APPROVED SHOP DRAWINGS PRIOR TO FABRICATION.

### 4. SEE SCHEDULE FOR DOOR & FRAME MATERIAL DOOR AND FRAME SCHEDULE LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT. DOOR OR FRAME MATERIAL DOOR OR FRAME FINISH ACR ACROVYN DOOR PTD PAINT

ACR-L ACROVYN LEAD LINED DOOR **WOOD STAIN** DARK BRONZE(ANODIZED) ALUM ALUMINUM

SS STAINLESS STEEL HM HOLLOW METAL HM-L HOLLOW METAL LEAD LINED BE BAKED ENAMEL IHM INSULATED HOLLOW METAL WD WOOD

GLAZING TYPES TYPE MARK GLAZING DESCRIPTION 1" INSULATED LOW-E GLAZING CLEAR TEMPERED VISION GLASS

> PROJECT INFORMATION Project Number

R23.00720.00 YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE
vv Date Description

PROFESSIONAL STAMPS





SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By Checked By NDS RI

DOOR PANELS, FRAME TYPES & **SCHEDULES** 

FINISH CODE	MANUFACTURER	PATTERN/STYLE	COLOR	SIZE	SPECIFICATIONS	NOTES	CLASS RATING
COUSTICAL CEIL		,					
T-1	ARMSTRONG	ULTIMA 1911	WHITE	24" X 24"	ARMSTRONG PRELUDE XL 15/16" GRID SYSTEM.		CLASS A
DDET (CDT)							
ARPET (CPT) PT-1	J&J FLOORING	INTEGRAL 7310	ESSENTIAL 2719	24" X 24"	INSTALL USING BRICK INSTALLATION METHOD.		ASTM E648 CLASS
PT-2	J&J FLOORING	NATURALIST 7572	SAILOR 3234	24" X 24"	INSTALL USING BRICK INSTALLATION METHOD.		ASTM E648 CLASS
1 1-2	JAJ I LOOKII 10	TV/ (TOTA) CLIST 7 S7 Z	37 (ILON 0204	Z	INSTALL OSINO BRICK INSTALLATION METHOD.	I	7/3/1/1 E040 CE7/33
ORNER GUARD (	CG)						
G-1	INPRO	TAPE ON CORNER GUARD	TAUPE	8' X 1.5"			CLASS A
G-2	INPRO	TAPE ON CORNER GUARD	TAUPE	4' X 1.5"			CLASS A
POXY GROUT GT-1	CUSTOM BUILDING	CEG-IG EPOXY GROUT	GRAYSTONE				NOT APPLICABLE
JI-1	PRODUCTS	CEG-IG EPOXT GROUT	GRATSIONE				NOI AFFLICABLE
POXY PAINT (EPT)							
PT-1	SHERWIN WILLIAMS	SW 7007	CEILING BRIGHT WHITE			BATHROOM CEILING	CLASS A
BER REINFORCED	· · · · · · · · · · · · · · · · · · ·	EL LD OCCED	NAME TO SERVICE OF THE PROPERTY OF THE PROPERT				4.6T) 4.F0 4.Q1 4.60 4
P-1	PANOLAM	EMBOSSED	WHITE				ASTM E84 CLASS A
XURY VINYL TILE	(I VT)						
/T-1	TARKETT	iD LATITUDE WOOD	ENGLISH WALNUT	3" X 48"			ASTM E648 CLASS
•	1			1- // .0			1 2 10 02 100
AINT (PT)							
-1	SHERWIN WILLIAMS	SW 9165	GOSSAMER VEIL			FIELD, U.N.O.	CLASS A
-2	SHERWIN WILLIAMS	SW 9150	ENDLESS SEA			ACCENT	CLASS A
[-3	SHERWIN WILLIAMS	SW 7007	CEILING BRIGHT WHITE			CEILING	CLASS A
-4	SHERWIN WILLIAMS	SW 9165	GOSSAMER VEIL			DOOR & WINDOW FRAMES	CLASS A
-5	SHERWIN WILLIAMS		MATCH TO RB-1			STAIR RAILINGS, STRINGERS, ROOF ACCESS LADDER.	CLASS A
						ROOF ACCESS EADBER.	
ASTIC LAMINATE	(LAM)						
AM-1	WILSONART		FAWN CYPRESS			TYP. LAM	NOT APPLICABLE
4M-2	WILSONART		BRITTANY BLUE			BREAKROOM LAM	NOT APPLICABLE
						·	
ESILIENT BASE (RB							
3-1	JOHNSONITE	MILLWORK BASE AMBASSADOR	MOONROCK	4''			ASTM E648 CLASS
B-2	JOHNSONITE	TRADITIONAL BASE	MOONROCK	4"			ASTM E648 CLASS
	JOHNOOTHIE	III III III III III III III III III II	Moonwook				7101111 2010 027100
ESILIENT SHEET (RS	5)						
S-1	TARKETT SPORT FLOORING	DROPZONE IMPACT	DARK GRAY	24" X 24"			ASTM E648 CLASS
OLID SURFACE M	· · ·		LINU OO LODETE				
SM-1 SM-2	CORIAN		ASH CONCRETE EXCAVAGE				NOT APPLICABLE
DIVI-Z	CORIAIN		EXCAVAGE				NOT APPLICABLE
LE (T)							
1	FLORIDA TILE	GRAVITATE	WHITE	12" X 24"		TYP. TILE	ASTM E84 CLASS A
2	FLORIDA TILE	GRAVITATE	WHITE	12X12 MOSAIC		SHOWER FLOOR	ASTM E84 CLASS A
				SHEET			
3 ~~~	DALTILE	MYTHOLOGY	TIIAN	4" X 12" 3"X24"		ACCENT TILE	ASIM E84 CLASS A
4	FLÖRIDA TILĖ	GRAVITATE BULLNOSE TRIM	WHITE	3"X24"		REFER TO ALTERNATE	ASTM E84 CLASS A
	(TD)						
OILET PARTITIONS P-1	ASI GLOBAL PARTITIONS	BLACK CORE PHENOLIC	TO BE DETERMINED BY ARCHITECT			REFER TO ALTERNATE	
r-I	ASI GLOBAL FARIIIONS	BLACK COKE FRENOLIC	FROM MANUFACTURERS FULL LINE			REFER TO ALTERNATE	
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	· · · · · · · · · · · · · · · · · · ·		, , , , , , , , , , , , , , , , , , ,	~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~ ~ ~ ~ ~ ~
RANSITION (TS)							
-1	TARKETT	SLIM LINE TRANSITIONS	MOONROCK			CPT TO LVT	ASTM E648 CLASS
-2	TARKETT	REDUCERS	MOONROCK			LVT TO RS	ASTM E648 CLASS
-3	SCHLUTER	RENO-U	BRUSHED CHROME		220/425 17 11 21/22/5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	LVT TO T	NON-COMBUSTIBL
-4	SCHLUTER	JOLLY	BRUSHED CHROME		PROVIDE AT ALL OUTSIDE CORNERS, TYP.		NON-COMBUSTIBL
-5	SCHLUTER	DILEX-AHK	BRUSHED CHROME		PROVIDE IN SECOND FLOOR BATHROOM.		NON-COMBUSTIBL
'ALK OFF CARPET							
OC-1	SHAW CONTRACT	STEPPIN OUT BON JOUR II	NAVY 31485	24" X 24"	INSTALL USING QUARTER TURN INSTALLATION METHOD.		ASTM E648 CLASS
<b>∪</b> ∪-1	JULY TO WINACI	5T032	11/ ( ¥ 1 O 1 <del>1</del> O O	27 A 24	HASTALL OSHAO QUARTER TORRA HASTALLAHON METHOD.		7.01W E040 CEA33
	1	1	1	1	1	1	
INDOW TREATME							
T-1	DRAPER FLEXSHADE SINGLE	GREEN SCREEN 3%	HAZE				PASSES NFPA 701-
	ROLL MANUAL	ODEEN CODEEN OF CHARLO	N 1147E				DACCEC MEDA 701
VT-2	ROLL MANUAL	GREEN SCREEN 3%, SUNBLOG	INALE				PASSES NFPA 701-9
	1		I.	1	·	T. Control of the Con	Í

### FINISH ABBREVIATIONS

PTM PATCH TO MATCH
QB QUARRY TILE BASE
QT QUARRY TILE
QTZ QUARTZ

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT ACT ACOUSTICAL CEILING TILE

AGL ART GLASS

AWP ACOUSTICAL WALL PANEL

CC CUBICLE CURTAIN

CG CORNER GUARD

CHR CHAIR RAIL

CPT CARPET

CR CORASH BAIL

RB RESILIENT BASE

RP RESILIENT BASE

RP RESILIENT SHEET

RST RESILIENT STAIR TREA

CS SPECIALTY CEILING

CPT CARPET

SCON SEALED CONCRETE RST RESILIENT STAIR TREAD SC SPECIALTY CEILING SCON SEALED CONCRETE CR CRASH RAIL SN STAIR NOSING & RISER DG DIGITAL GRAPHIC SSM SOLID SURFACE MATERIAL DS DIVIDER STRIP ST STONE VENEER DS DIVIDER STRIP ST STONE VENEER
DWC DIGITAL WALL COVERING SV SHEET VINYL
DWP DIGITAL WALL PANEL SWP SHEET WALL PROTI
EPT EPOXY PAINT TB TILE BASE
ERF EPOXY RESIN FLOOR TER TERRAZZO
EGT EPOXY GROUT T TILE
ETR EXISTING TO REMAIN TR TRIM
EXP EXPOSED TS TRANSITION STRIP
FILM FILM UPH UPHOLSTERY
FRP FIBER REINFORCED PANEL VCT VINYL COMPOSITI
GRT GROUT VET VINYL ENHANCED
HR HAND RAIL VQT VINYL QUARTZ TILI
INT INTEGRAL WC WALL COVERING
LAM PLASTIC LAMINATE WD WOOD SWP SHEET WALL PROTECTION ts transition strip VCT VINYL COMPOSITION TILE VET VINYL ENHANCED TILE VQT VINYL QUARTZ TILE WC WALL COVERING LAM PLASTIC LAMINATE
LVT LUXURY VINYL TILE
PT PAINT WD WOOD

WG WALL GUARD WOC WALK OFF CARPET

WS WRITEABLE SURFACE WT WINDOW TREATMENT



PROJECT INFORMATION

Project Number

R23.00720.00 YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

A 10/09/2024 PRE-BID RFI RESPONSE

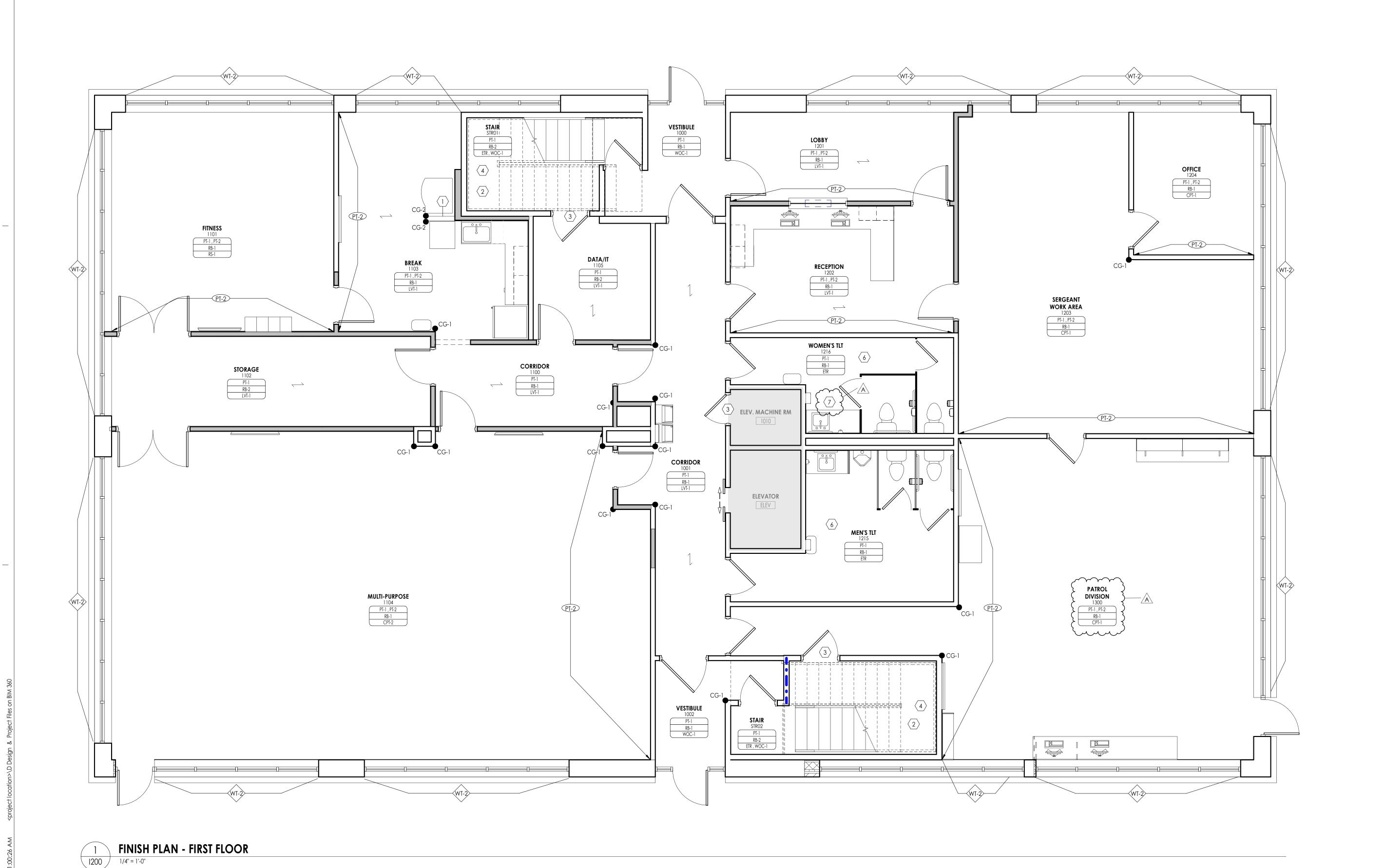




SHEET INFORMATION

05/09/2024 3/32" = 1'-0" Project Status 100% CONSTRUCTION DOCUMENTS

Drawn By Checked By
CPL CPL Drawing Title
INTERIORS GENERAL



### FINISH PLAN GENERAL NOTES

SPECIFICATIONS.

- 1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE.
- APPEAR, UNLESS NOTED OTHERWISE.

  2. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.

  3. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT
- 4. PAINT GWB CEILINGS (PT-3), UNLESS NOTED OTHERWISE.
  5. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
  6. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
- 7. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
  8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS
- NOTED OTHERWISE.

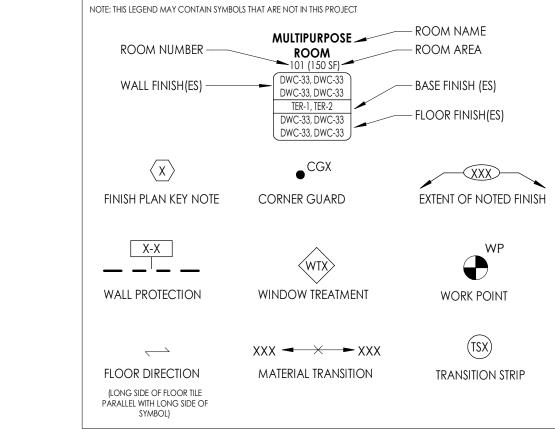
  9. PROVIDE CONCRETE FLOOR PREPARATION IN ACCORDANCE WITH FLOORING
- MANUFACTURER SPECIFICATION.

  10. ALL NON-EPOXY GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO COMPLETION.

### FINISH ABBREVIATIONS

NOTE: THIS LEGEN	D MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN	THIS PROJECT	
ACT AGL AWP CC CG CHR CPT CR DS DWC DWP EPT ERF EGT ETR EXP FILM FRP GRT HR INT LAM LVT PT PTM QB QT QTZ	ACOUSTICAL CEILING TILE ART GLASS ACOUSTICAL WALL PANEL CUBICLE CURTAIN CORNER GUARD CHAIR RAIL CARPET CRASH RAIL DIGITAL GRAPHIC DIVIDER STRIP DIGITAL WALL COVERING DIGITAL WALL PANEL EPOXY PAINT EPOXY RESIN FLOOR EPOXY GROUT EXISTING TO REMAIN EXPOSED FILM FIBER REINFORCED PANEL GROUT HAND RAIL INTEGRAL PLASTIC LAMINATE LUXURY VINYL TILE PAINT PATCH TO MATCH QUARRY TILE QUARTZ	RB RP RS RST RT SC SCON SN SSM ST SV SWP TB TER T TR TS UPH VCT VQT WC WD WG WOC WS WT	SEALED CONCRETE STAIR NOSING & RISER SOLID SURFACE MATERIAL STONE VENEER SHEET VINYL SHEET WALL PROTECTION TILE BASE TERRAZZO TILE TRIM TRANSITION STRIP UPHOLSTERY VINYL COMPOSITION TILE VINYL ENHANCED TILE VINYL QUARTZ TILE WALL COVERING WOOD WALL GUARD

### FINISH PLAN SYMBOLS LEGEND



### FINISH PLAN KEY NOTES

- 1 PROVIDE SSM-1 TOP CAP FOR KNEE WALL.
- ALL RAILINGS, STRINGERS, AND ROOF ACCESS LADDER TO BE PAINTED PT-5 IN ITS ENTIRETY.
- DOOR FRAME TO BE PAINTED (PT-1) ONLY ON SIDE WHERE NEW FINISHES ARE BEING INSTALLED. OTHER SIDE OF DOOR FRAME SHALL BE EXISTING TO REMAIN. REFER TO INTERIOR FINISH SCHEDULE FOR MORE INFORMATION.
- RESILIENT STAIR TREADS AND RISERS ETR. CLEAN THOROUGHLY AND PATCH/REPAIR AS NEEDED. PROVIDE WOC AT ALL LANDINGS.
- 5 EXISTING SHELVES TO REMAIN. PAINT IN THEIR ENTIRETY.
- EXISTING TILE FLOOR TO REMAIN. CLEAN TILE AND GROUT THOROUGHLY.

  TO EXISTING TILE FLOOR TO REMAIN. FOR SLAB CUTTING, PATCH AND REPAIR AS NEEDED USING WHOLE TILES. MATCH EXISTING. REFER TO P200 SERIES FOR

# ALTERNATES LEGEND

3. PROVIDE NEW TILE FLOOR, TILE BASE AND TOILET PARTITIONS IN ROOMS 1215 AND 1216.
4. PROVIDE NEW TILE FLOOR, TILE BASE AND TOILET PARTITIONS IN ROOMS 2001 AND

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PROFESSIONAL STAMPS



CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

R23.00720.00

Project Name

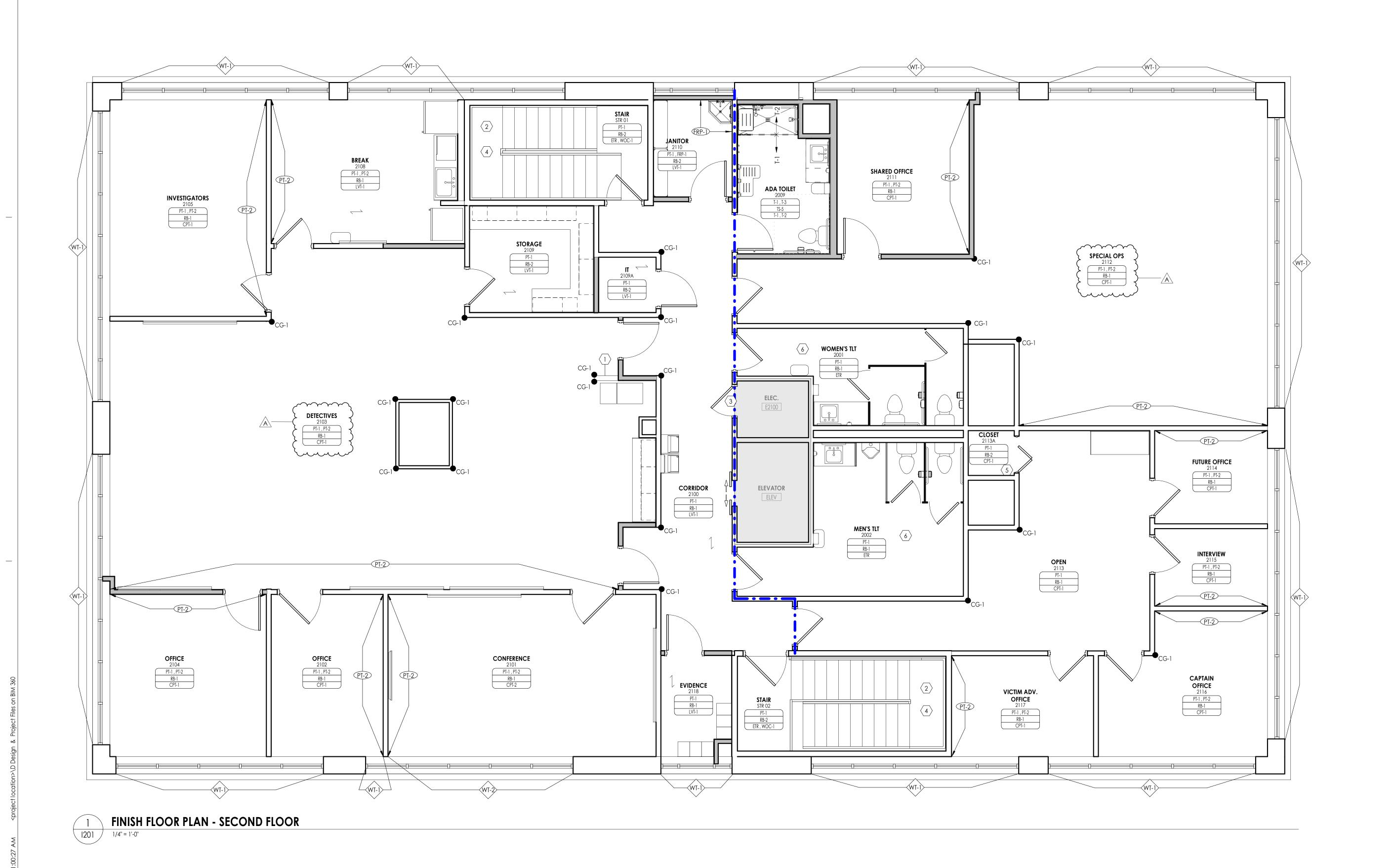


SHEET INFORMATION

Issued Scale
05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
CPL CPL

FLOOR FINISH PLAN LEVEL 1

Drawing Number



### FINISH PLAN GENERAL NOTES

1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES AND WINDOW FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-4), UNLESS NOTED OTHERWISE. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE.

2. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
3. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS.

SPECIFICATIONS.

4. PAINT GWB CEILINGS (PT-3), UNLESS NOTED OTHERWISE.

 REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
 HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
 WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL

RUN UNDERNEATH KICKSPACE AS WELL.
8. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
9. PROVIDE CONCRETE FLOOR PREPARATION IN ACCORDANCE WITH FLOORING MANUFACTURER SPECIFICATION.

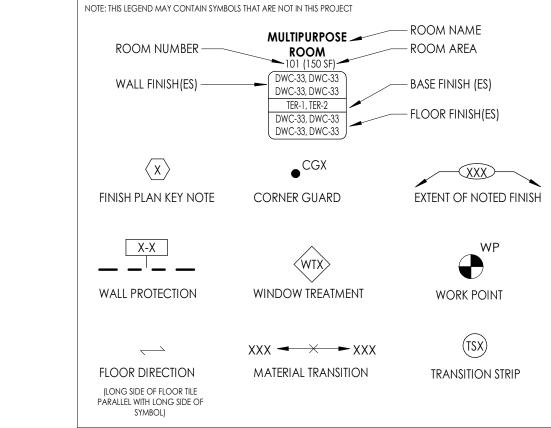
10. ALL NON-EPOXY GROUT TO BE SEALED A MINIMUM OF TWO TIMES PRIOR TO

### FINISH ABBREVIATIONS

COMPLETION.

OTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT  ACT ACOUSTICAL CEILING TILE RB RESILIENT BAS  AGL ART GLASS RP RESIN PANEL  AWP ACOUSTICAL WALL PANEL RS RESILIENT SHE  CC CUBICLE CURTAIN RST RESILIENT STAI  CG CORNER GUARD RT RESILIENT TILE	
AGL ART GLASS RP RESIN PANEL AWP ACOUSTICAL WALL PANEL RS RESILIENT SHE CC CUBICLE CURTAIN RST RESILIENT STAI	
CHR CHAIR RAIL  CPT CARPET  CR CRASH RAIL  DG DIGITAL GRAPHIC  DS DIVIDER STRIP  DWC DIGITAL WALL COVERING  EPT EPOXY PAINT  ETR EXISTING TO REMAIN  EXP EXPOSED  FILM FILM  FRP FIBER REINFORCED PANEL  CRED CHAIR RAIL  SC SPECIALTY CE  SCON SEALED CONG  SON STAIR NOSING  SN SOLID SURFACE  SSM SOLID SURFACE  ST STONE VENEE  WE SHEET WALL PANEL  SWP SHET W	EET  JIR TREAD EE EILING CRETE G & RISER CE MATERIAL ER PROTECTION  STRIP POSITION TILE NCED TILE TZ TILE RING ARPET JRFACE

### FINISH PLAN SYMBOLS LEGEND



### FINISH PLAN KEY NOTES

- $\fbox{1}$  PROVIDE SSM-1 TOP CAP FOR KNEE WALL.
- $\stackrel{\textstyle 2}{}$  ALL RAILINGS, STRINGERS, AND ROOF ACCESS LADDER TO BE PAINTED PT-5 IN ITS ENTIRETY.
- DOOR FRAME TO BE PAINTED (PT-1) ONLY ON SIDE WHERE NEW FINISHES ARE BEING INSTALLED. OTHER SIDE OF DOOR FRAME SHALL BE EXISTING TO REMAIN. REFER TO INTERIOR FINISH SCHEDULE FOR MORE INFORMATION.
- RESILIENT STAIR TREADS AND RISERS ETR. CLEAN THOROUGHLY AND PATCH/REPAIR AS NEEDED. PROVIDE WOC AT ALL LANDINGS.
- 5 EXISTING SHELVES TO REMAIN. PAINT IN THEIR ENTIRETY.
- EXISTING TILE FLOOR TO REMAIN. CLEAN TILE AND GROUT THOROUGHLY.

  EXISTING TILE FLOOR TO REMAIN. FOR SLAB CUTTING, PATCH AND REPAIR AS NEEDED USING WHOLE TILES. MATCH EXISTING. REFER TO P200 SERIES FOR EXTENT OF WORK.

# ALTERNATES LEGEND

PROVIDE NEW TILE FLOOR, TILE BASE AND TOILET PARTITIONS IN ROOMS 1215 AND 1216.
 PROVIDE NEW TILE FLOOR, TILE BASE AND TOILET PARTITIONS IN ROOMS 2001 AND 2003.

PROFESSIONAL STAMPS



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CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

A 10/09/2024 PRE-BID RFI RESPONSE

R23.00720.00

Project Name



SHEET INFORMATION

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05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
CPL CPL

FLOOR FINISH PLAN LEVEL 2

Drawing Number



PROJECT INFORMATION

R23.00720.00
Client Name
YORK COUNTY, SC

Project Number

Project Name

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

vv Date Description

PROFESSIONAL STAMPS





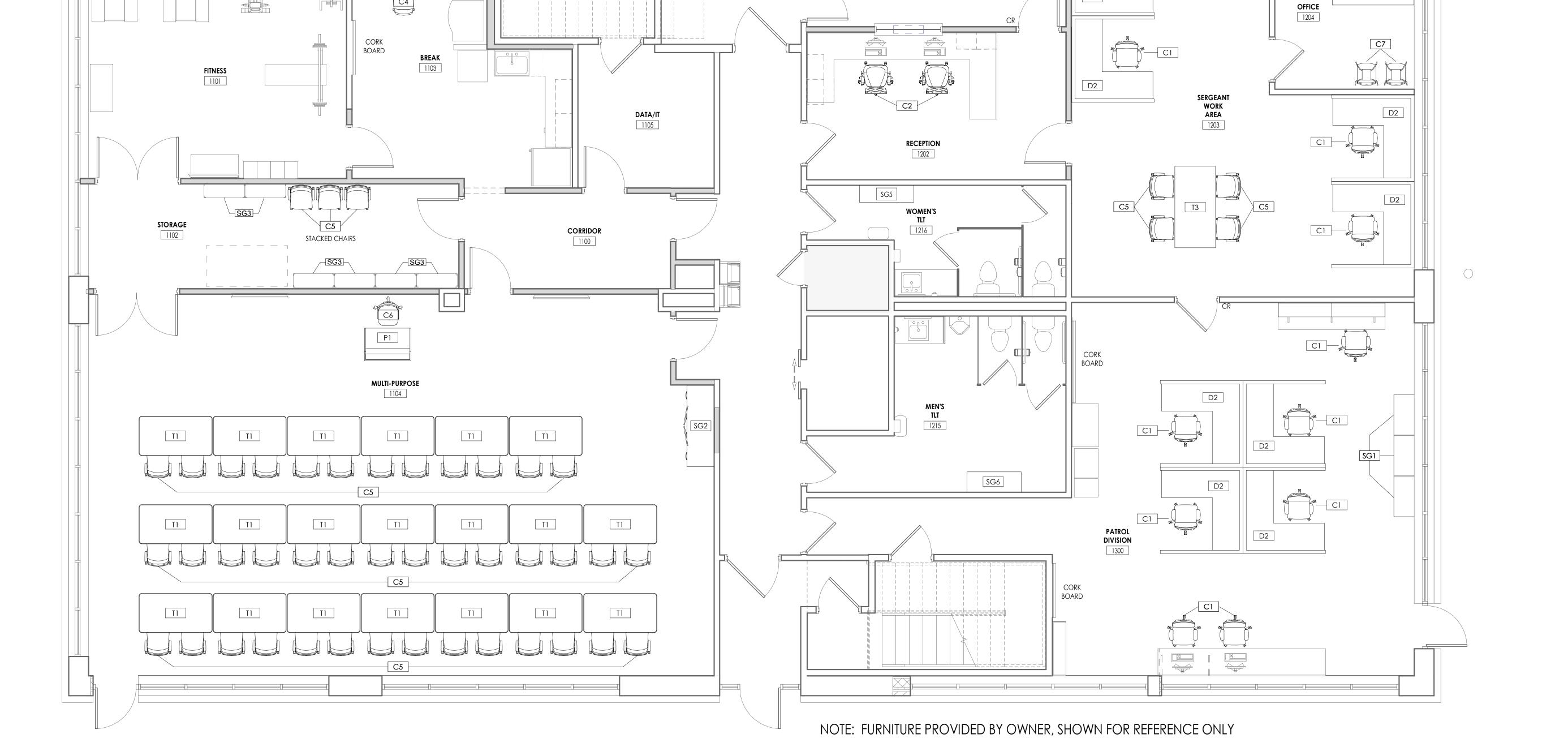
SHEET INFORMATION

| Scale | Scale | O5/09/2024 | 1/4" = 1'-0" | Project Status | 100% CONSTRUCTION DOCUMENTS | Drawn By | Checked By | CPI | CPI

Drawing Title
FURNITURE PLAN LEVEL 1

Drawing Number

1 FURNITURE PLAN - FIRST FLOOR
1/4" = 1'-0"







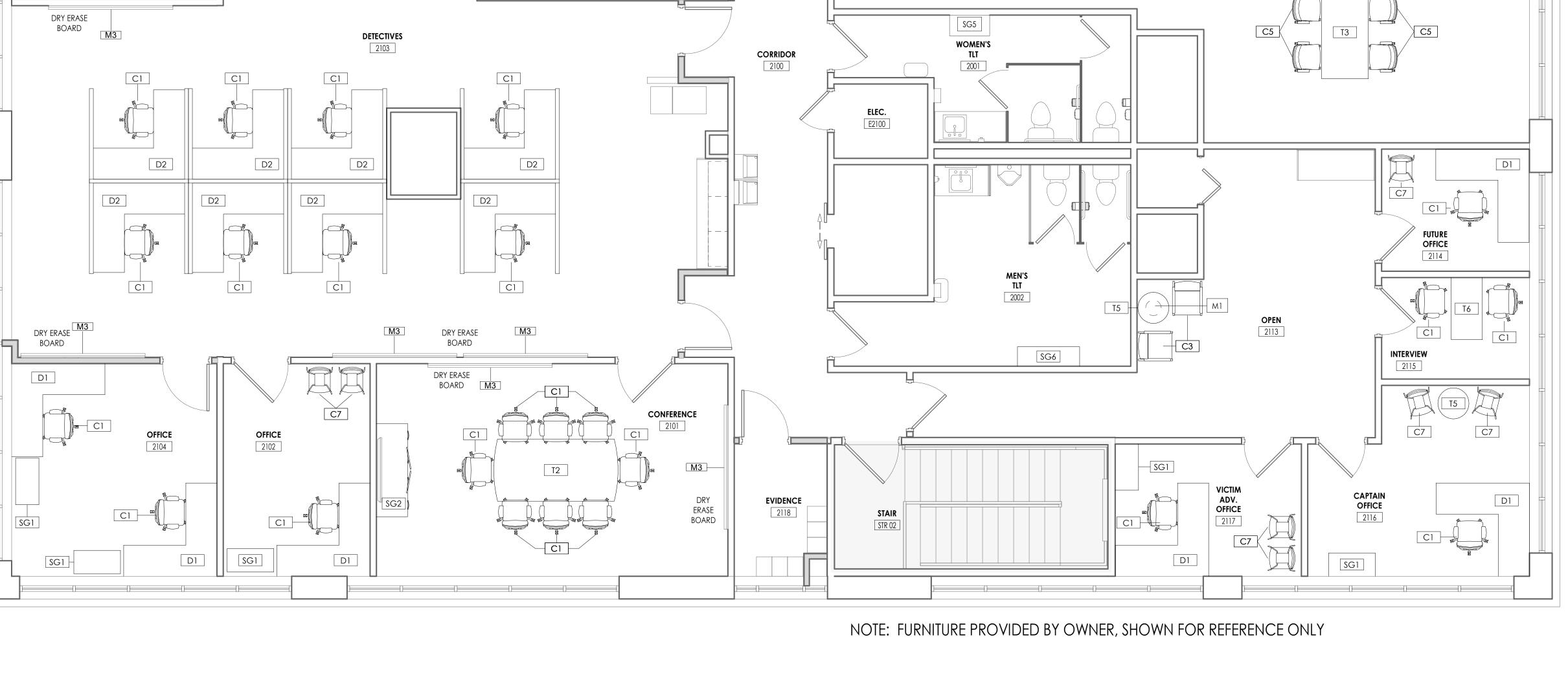
Issued Scale
05/09/2024 1/4" = 1'-0"
Project Status
100% CONSTRUCTION DOCUMENTS

CPL CPL

Drawing Title

FURNITURE PLAN LEVEL 2

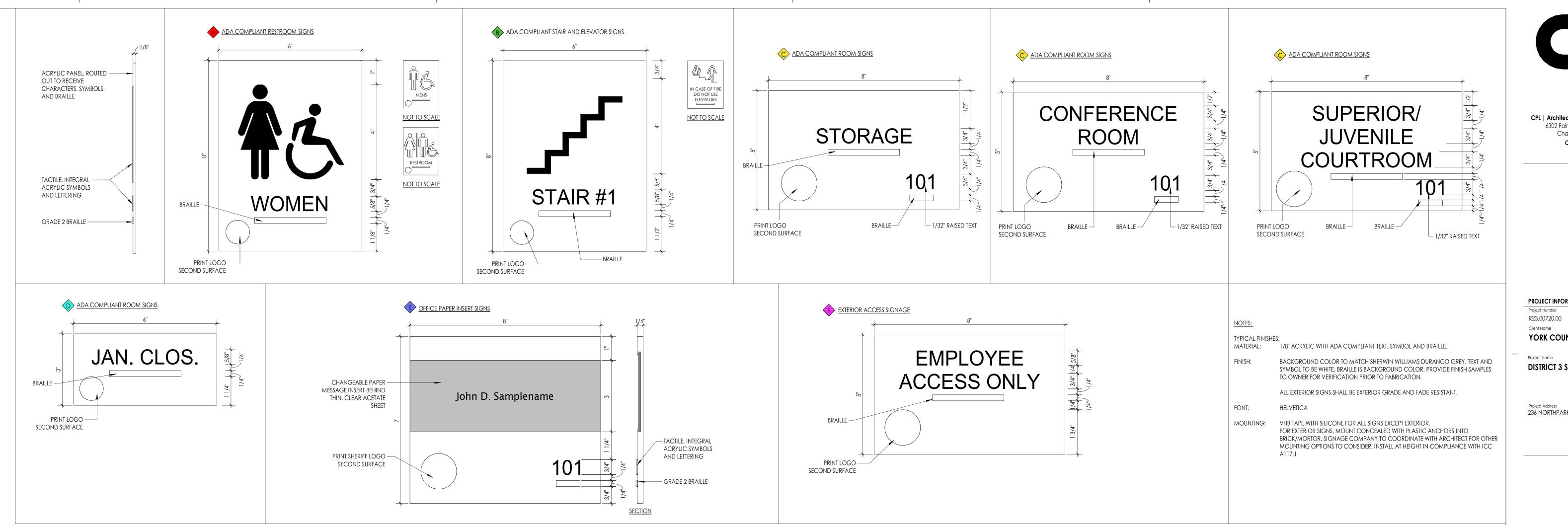
Drawing Number



SHARED OFFICE

STAIR STR 01

STORAGE 2109



CPL | Architecture Engineering Planning 6302 Fairview Road Suite 102, Charlotte, NC 28210 CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

w Date Description





SHEET INFORMATION

05/09/2024 6" = 1'-0" Project Status 100% CONSTRUCTION DOCUMENTS Drawn By Checked By

CPL Drawing Title INTERIOR SIGNAGE



PROJECT INFORMATION

Project Number

Project Name

R23.00720.00 Client Name

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE
vv Date Description

PROFESSIONAL STAMPS





SHEET INFORMATION

Drawn By

| Scale | O5/09/2024 | 1/4" = 1'-0" | Project Status | 100% CONSTRUCTION DOCUMENTS

CPL CPL

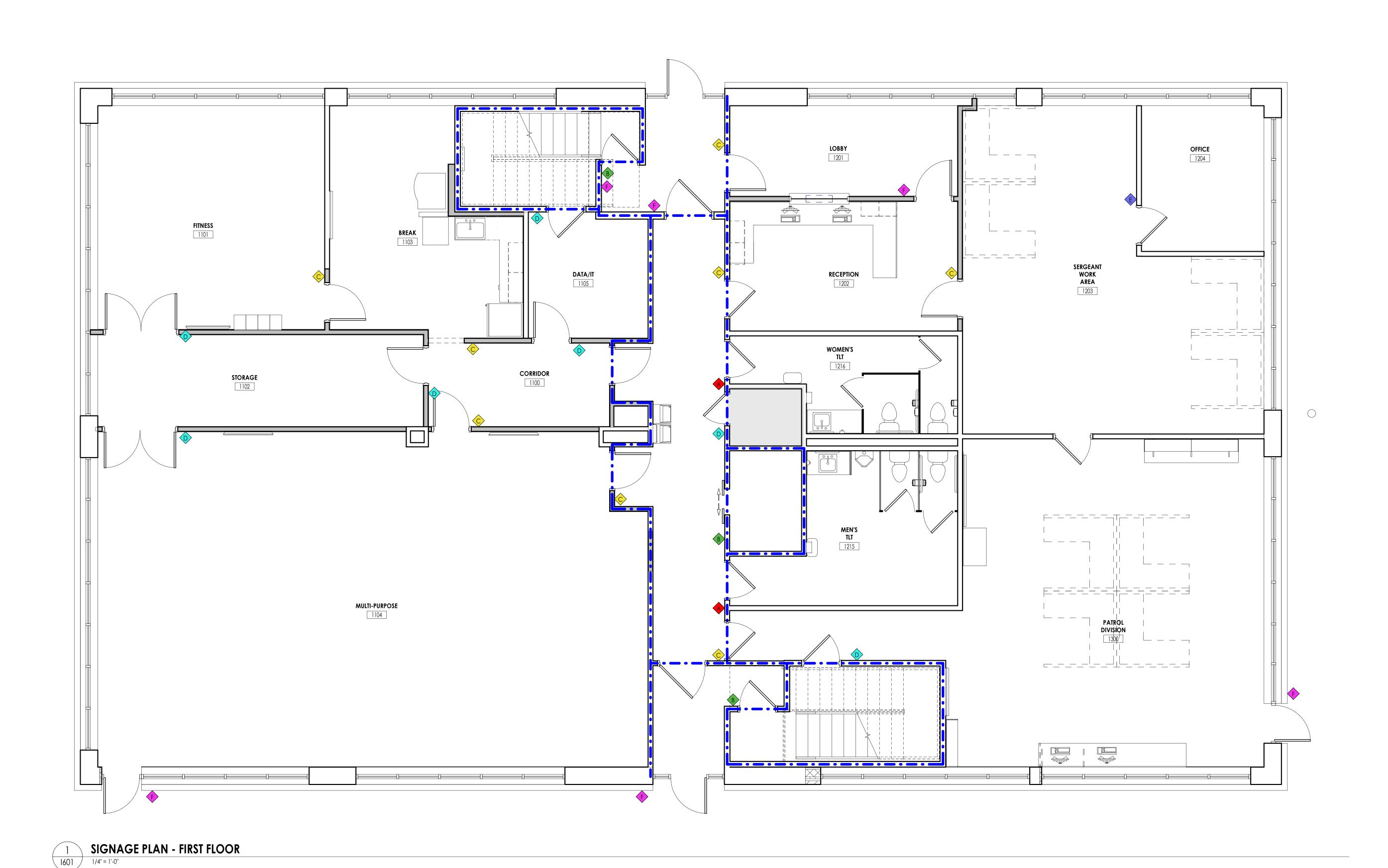
Drawing Title

SIGNIAGE PLANTIEVEL

SIGNAGE PLAN LEVEL 1

Drawing Number

601





PROJECT INFORMATION

Project Number

R23.00720.00
Client Name
YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 NORTHPARK DRIVE, ROCK HILL, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS





SHEET INFORMATION

| Scale | O5/09/2024 | 1/4" = 1'-0" | Project Status | 100% CONSTRUCTION DOCUMENTS

CPL CPL

Drawing Title

SIGNAGE PLAN LEVEL 2

Drawing Number

SIGNAGE PLAN - SECOND FLOOR

1/4" = 1'-0"

INVESTIGATORS
2105

**BREAK** 2108

DETECTIVES
2103

**OFFICE** 2102

CONFERENCE 2101

r----

CORRIDOR 2100

2118

CAPTAIN OFFICE

VICTIM ADV. OFFICE

1602

**-**--

AIR FLOW

X = DIFFUSER OR GRILL TYPE XX = AIR FLOW VALUE (CFM)

X = DIFFUSER OR GRILLE TYPE XX = CONNECTION SIZE/GRILLE SIZE XXX = AIR FLOW VALUE (CFM)

#### **MECHANICAL GENERAL NOTES**

- 1. MAINTAIN CLEARANCE OF A MINIMUM OF 6" BETWEEN DUCTWORK, PIPING, EQUIPMENT, ETC. AND ALL RATED WALL ASSEMBLIES TO ALLOW FOR INSPECTIONS OF RATED WALLS.
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS, UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE EXISTING CEILINGS SHALL BE REMOVED IN A MANNER TO AVOID DAMAGE TO THE CEILING SYSTEMS, STORAGE OF CEILING SYSTEM COMPONENTS FOR REINSTALLATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STORAGE OF ALL MATERIAL SHALL BE IN AREAS OR LOCATIONS APPROVED BY THE OWNER. THE OWNER WILL NOT COMPENSATE FOR ANY DAMAGED OR LOST MATERIAL WHILE IN STORAGE. AFTER COMPLETION OF ALL DEMOLITION OR NEW WORK, THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION.
- 4. DEMOLITION DRAWINGS SHOW MAJOR EQUIPMENT, PIPING, AND DUCTWORK REMOVALS. THE INTENT IS NOT TO IDENTIFY ALL MISCELLANEOUS PIPING, PIPING ACCESSORIES, DUCTWORK, DUCTWORK ACCESSORIES, SUPPORTS, CONTROLS, CONTROL ACCESSORIES, CONTROL WIRING, CONDUIT, AND PNEUMATIC CONTROL TUBING TO BE DISCONNECTED AND REMOVED, BUT IS THE REQUIREMENT UNDER THIS CONTRACT. NO EQUIPMENT, PIPING, OR DUCTWORK SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 5. ALL EQUIPMENT INDICATED TO BE TURNED OVER TO THE OWNER SHALL BE DISCONNECTED AND REMOVED FROM THE EXISTING SYSTEMS AND DELIVERED (INCLUDING LOADING AND UNLOADING) TO A STORAGE AREA WITHIN THE BUILDING AS SELECTED BY THE OWNER. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ANY EQUIPMENT DAMAGED DURING REMOVAL AND DELIVERY. ANY DAMAGE TO EQUIPMENT PRIOR TO DISCONNECTING SHOULD BE REPORTED TO THE OWNER'S REPRESENTATIVE. IF NOT REPORTED, THE CONTRACTOR TAKES FULL RESPONSIBILITY FOR REPAIRS TO THE EQUIPMENT.
- 6. BEFORE DISCONNECTING, REMOVING, OR SERVICING ANY AIR CONDITIONING EQUIPMENT OR SYSTEMS CONTAINING REFRIGERANTS, THE EQUIPMENT OR SYSTEMS SHALL BE EVACUATED OF ALL REFRIGERANT PER THE LATEST ADOPTED RULES AND REGULATIONS BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). THE CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE CERTIFIED BY AN EPA APPROVED CERTIFYING AGENCY OR ORGANIZATION.
- 7. ALL DUCTWORK, PIPING, AND CONDUIT PENETRATIONS THROUGH RATED VERTICAL AND HORIZONTAL ASSEMBLIES SHALL BE PROVIDED WITH FIRE/SMOKE STOPPINGS PER SPECIFICATION. REFER TO CODE ANALYSIS DRAWING FOR ALL RATED LOCATIONS.
- 8. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THIS CONTRACT TO PATCH AND FINISH ALL EXISTING DUCTWORK OR PIPE PENETRATIONS THROUGH FLOORS, ROOFS, INTERIOR WALLS, AND EXTERIOR WALLS AFTER DEMOLITION WORK. IN ADDITION, ALL NEW PENETRATIONS SHALL BE PROVIDED FOR INSTALLATION OF MECHANICAL SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, CURBING, DUCTWORK, PIPING, CONTROLS, ETC. PATCHING AND FINISHING SHALL MATCH EXISTING CONSTRUCTION INCLUDING FIRE RATINGS. PROVIDE LINTELS PER LINTEL SCHEDULE.
- 9. UNLESS NOTED OTHERWISE IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO MODIFY AND PATCH ROOFING AND ROOF DECKS AS NECESSARY TO INSTALL NEW EQUIPMENT SUPPORTS, PIPING PORTALS, CURBS AND RAILS. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO PATCH ROOFING AND DECKS WHEN DEMOLISHING ROOF MOUNTED EQUIPMENT. COORDINATE WITH THE OWNER AND EXISTING ROOFING MANUFACTURERS TO MAINTAIN THE WARRANTIES ON ALL ROOFS. ALL ROOFING WORK TO BE PERFORMED BY CERTIFIED ROOFING CONTRACTOR. IT IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE STRUCTURAL FRAMING ASSOCIATED WITH THE WORK IN THIS CONTRACT. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF AND DECK TYPES AND FRAMING DETAILS. PROVIDE STRUCTURAL FRAMING FOR EQUIPMENT AND ROOF OPENINGS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- 10. INSTALLATION OF ALL MECHANICAL EQUIPMENT RAILS AND CURBS SHALL CONFORM TO THE WIND RESTRAINT REQUIREMENTS APPLICABLE BUILDING CODE AND THIS PROJECT.
- 11. ALL MECHANICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2021 SOUTH CAROLINA BUILDING, MECHANICAL, PLUMBING, FUEL GAS, FIRE PROTECTION AND 2009 ENERGY CONSERVATION CODES.
- 12. COORDINATE DIFFUSER, GRILLE AND REGISTER LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS INCLUDING LIGHT FIXTURES, SMOKE DETECTORS, SPRINKLER HEADS, ETC.
- 13. LOCATE THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS AND HUMIDITY SENSORS AT 48" (CENTERLINE)
  ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE LOCATIONS WITH OTHER EQUIPMENT,
  FURNITURE AND DOOR SWINGS. PAINT/PATCH AREAS WHERE THERMOSTAT WAS REMOVED TO MATCH EXISTING
- 14. DAMPERS AND INSIDES OF DUCTS VISIBLE THROUGH GRILLES, REGISTERS AND DIFFUSERS SHALL BE PAINTED FLAT
- 15. ACCESS PANELS IN DUCTWORK AND CEILINGS SHALL BE PROVIDED WHERE REQUIRED FOR OPERATION, BALANCING OR MAINTENANCE OF ALL MECHANICAL EQUIPMENT. PROVIDE DUCT ACCESS DOORS ADJACENT TO ALL SQUARE ELBOWS WITH TURNING VANES FOR CLEANING.
- 16. ALL DUCTWORK AND PIPING IS SHOWN SCHEMATICALLY. PROVIDE ALL TRANSITIONS, TURNING VANES, ELBOWS, FITTINGS, ETC., TO ALLOW SMOOTH FLOWS. ALL SPLIT DUCT FITTINGS SHALL TRANSITION TO FULL SIZE OF THE SUM OF BOTH BRANCHES. UPSTREAM OF SPLIT.
- 17. PROVIDE FLEXIBLE DUCT CONNECTIONS ON ALL DUCTWORK CONNECTING TO EACH PIECE OF EQUIPMENT INCLUDING FANS, AIR HANDLING UNITS, TERMINAL UNITS AND FAN COIL UNITS, ETC.
- 18. RUNOUT DUCTS TO DIFFUSERS & GRILLES SHALL MATCH THE SCHEDULED DEVICE NECK SIZE UNLESS NOTED OTHERWISE. PROVIDE TRANSITIONS AT DIFFUSER NECKS AS REQUIRED TO MATCH SIZES OF FLEXIBLE DUCTS TO BE CONNECTED.
- 19. SLEEVE AND SEAL ALL PIPING PENETRATIONS THROUGH BUILDING PARTITIONS.
- 20. A MAXIMUM OF LENGTH 5'-0" FLEXIBLE DUCTWORK ALLOWED ON ANY RUNOUT TO ANY AIR DEVICE. FLEXIBLE DUCTWORK IS NOT PERMITTED ON RETURN OR EXHAUST GRILLES.
- 21. ALL SUPPLY AND RETURN GRILLES SHALL BE A MINIMUM OF 36" AWAY FROM SMOKE DETECTOR LOCATIONS AS REQUIRED BY CODE.
- 22. REFER TO ARCHITECTURAL PLANS FOR FLOOR PLAN DIMENSIONS. DO NOT SCALE THESE DRAWINGS.23. DUCTWORK AS SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. COORDINATE EXACT LOCATION WITH THE BUILDING STRUCTURE.
- 24. REPLACE FILTERS JUST PRIOR TO ACCEPTANCE BY THE OWNER.
- 25. USE RADIUSED ELBOWS IN RETURN AND EXHAUST DUCTWORK UNLESS SHOWN OTHERWISE OR SPACE WILL NOT PERMIT. IF MITERED ELBOW IS INDICATED ON PLAN OR REQUIRED FOR CLEARANCE, INSTALL TURNING VANES AND ACCESS DOORS AT ELBOW.
- 26. ALL MATERIALS EXPOSED WITHIN CONCEALED AIR PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND SMOKE DEVELOPED INDEX OF NOT MORE THAN 50.

	ANICAL DESIGN C	
Ţ	EMPERATURE DESIG	<u> </u>
CONDITION	CRITERIA	COMMENTS
SUMMER (COOLING): OUTSIDE AIR DESIGN	94.7 DB / 74.5 WB	DERIVED FROM ASHRAE 90.1 ROCK HILL, SC
WINTER (HEATING): OUTSIDE AIR DESIGN	20.3°F	DERIVED FROM ASHRAE 90.1 ROCK HILL, SC
INDOOR DESIGN: GENERAL OCCUPIED	75°F	RELATIVE HUMIDITY: 50%
-	•	-
	SEISMIC DESIGN	
. SEISMIC DESIGN CAT	TEGORY: C	
2. PROVIDE SEISMIC AN	ID WIND RESTRAINTS IN AC	CCORDANCE WITH BUILDING

CODE. REFER TO STRUCTURAL DRAWINGS FOR SEISMIC AND WIND CRITERIA.

SELECTION AND DESIGN OF SEISMIC AND WIND RESTRAINT SYSTEMS SHALL BE
BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA.

PROFESSIONAL STAMPS

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

R23.00720.00

Issued Scale
05/09/2024 NOT TO SCALE
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By

Drawing Title
HVAC SYMBOLS LEGEND AND
CONTRACTOR NOTES

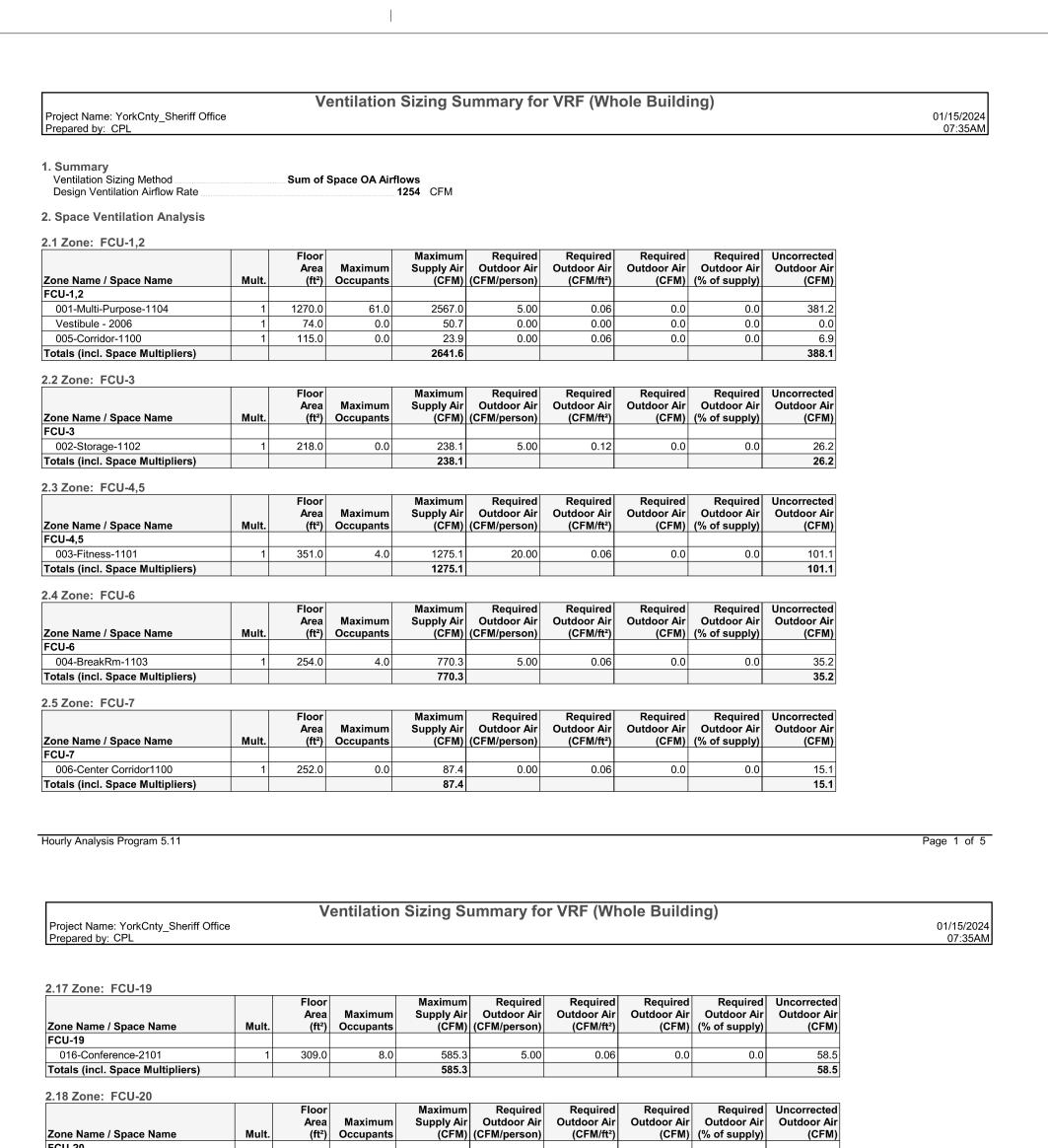
Drawing Number

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k Project Files on BIM 360



Prepared by: CPL										07:3
2.6 Zone: FCU-8				<b>N</b>		<b>5</b>	B	<b>5</b>		
- N /O N		Floor Area	Maximum	Maximum Supply Air	Required Outdoor Air	Outdoor Air	Required Outdoor Air	Required Outdoor Air	Outdoor Air	
Zone Name / Space Name FCU-8	Mult.	(ft²)	Occupants	(CFM)	(CFM/person)	(CFM/ft²)	(CFM)	(% of supply)	(CFM)	
007-Lobby-1201	1	145.0	6.0	492.1	5.00	0.06	0.0	0.0	38.7	
Totals (incl. Space Multipliers)	- '	140.0	0.0	492.1	3.00	0.00	0.0	0.0	38.7	
Totale (intel: opace intrapriers)				402.1					00.7	
2.7 Zone: FCU-9										
		Floor	Massimassum	Maximum	Required		Required	Required	Uncorrected	
Zone Name / Space Name	Mult.	Area (ft²)	Maximum Occupants	Supply Air (CFM)	Outdoor Air (CFM/person)	Outdoor Air (CFM/ft²)	Outdoor Air (CFM)	Outdoor Air (% of supply)	Outdoor Air (CFM)	
FCU-9		()	200000000	(0)	(3, 50.0011)	(5	(0. 141)	( c. sapp.y)	(3)	
008-Reception-1202	1	208.0	2.0	150.6	5.00	0.06	0.0	0.0	22.5	
Totals (incl. Space Multipliers)				150.6					22.5	
2.8 Zone: FCU-10		Fire				B	D	D	11	
		Floor Area	Maximum	Maximum Supply Air	Required Outdoor Air	Required Outdoor Air	Required Outdoor Air	Required Outdoor Air	Uncorrected Outdoor Air	
Zone Name / Space Name	Mult.	(ft²)	Occupants		(CFM/person)	(CFM/ft²)	(CFM)		(CFM)	
FCU-10		` '	·	, ,		,		, , , , , ,	`	
009-Women-1216	1	130.0	0.0	27.0	0.00	0.00	0.0	0.0	0.0	
011-SargentWork-1203	1	560.0	8.0	868.0	5.00	0.06	0.0	0.0	73.6	
Totals (incl. Space Multipliers)				895.0					73.6	
2.2.7										
2.9 Zone: FCU-11		Floor		Maximum	Required	Required	Required	Required	Uncorrected	
		Area	Maximum	Supply Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	
Zone Name / Space Name	Mult.	(ft²)	Occupants	(CFM)	(CFM/person)	(CFM/ft²)	(CFM)	(% of supply)	(CFM)	
FCU-11										
012-Office-1204	1	125.0	1.0	421.9	5.00	0.06	0.0	0.0	12.5	
Totals (incl. Space Multipliers)				421.9					12.5	
2.10 Zone: FCU-12										
E. 10 ZOIIC. 1 OO-12		Floor		Maximum	Required	Required	Required	Required	Uncorrected	
		Area	Maximum	Supply Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	Outdoor Air	
Zone Name / Space Name	Mult.	(ft²)	Occupants	(CFM)	(CFM/person)	(CFM/ft²)	(CFM)	(% of supply)	(CFM)	
FCU-12		700.0	0.0	1005.0	5.00	0.00		0.0	07.0	
013-PatrolDiv-1300	1	788.0	8.0	1325.0	5.00	0.06	0.0	0.0	87.3	
	1	190.0	0.0	39.5 <b>1364.5</b>	0.00	0.00	0.0	0.0	0.0 <b>87.3</b>	
010-Men-1215  Totals (incl. Space Multipliers)									87.3	

Ventilation Sizing Summary for VRF (Whole Building)

(CFM) (CFM/person) (CFM/ft²)

(ft²) Occupants

(ft²) Occupants

Area Maximum Supply Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air

Floor Maximum Required Required Required Required Uncorrected Area Maximum Supply Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air

Area Maximum Supply Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air

Area Maximum Supply Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air

(CFM) (CFM/person) (CFM/ft²) (CFM) (% of supply)

Maximum Required Required Required Uncorrected

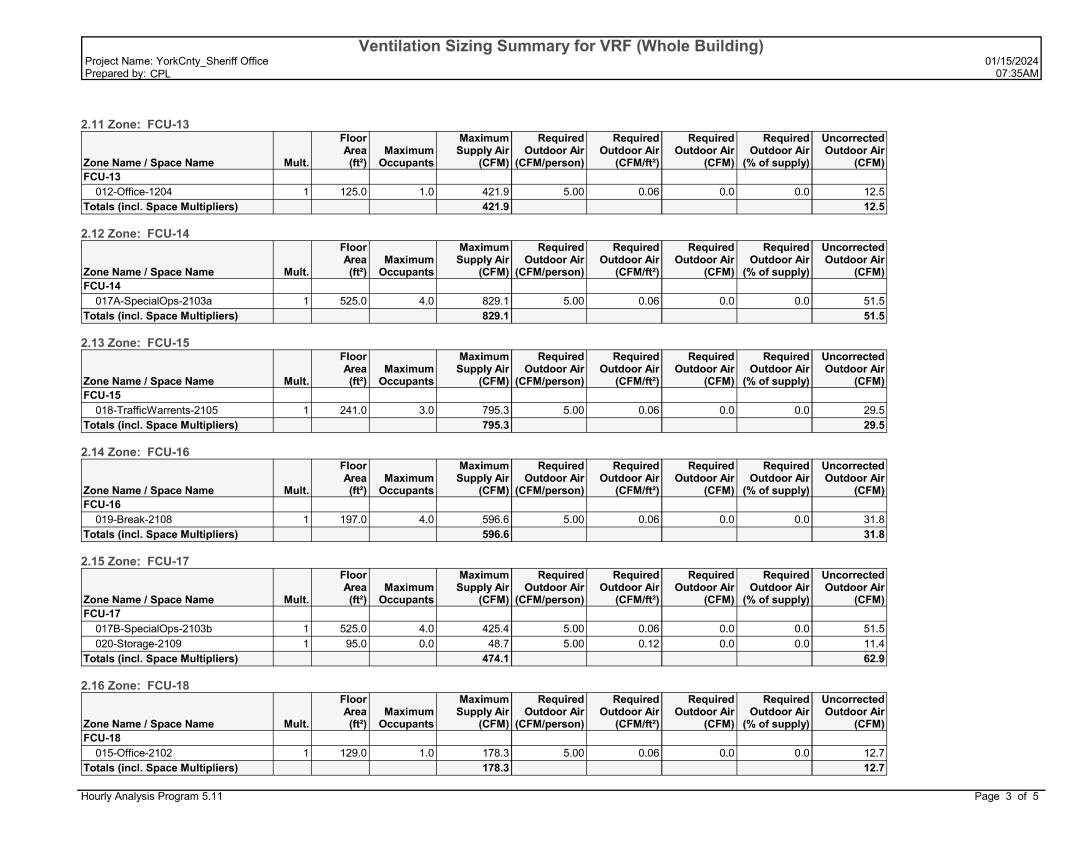
Mult. (ft²) Occupants (CFM) (CFM/person) (CFM/ft²) (CFM) (% of supply) (CFM)

(CFM) (CFM/person) (CFM/ft²)

Required Required Required Uncorrected

(CFM) (% of supply)

(CFM) (% of supply)



021-Janitor-2110

023-Evidence-2118 024-Restroom-2009

2.19 Zone: FCU-21

Zone Name / Space Name

027-SharedOffice-211

Zone Name / Space Name

2.20 Zone: FCU-22

028-Detectives-211 025-Womens-2001 Totals (incl. Space Multipliers)

2.21 Zone: FCU-23

029-Open-2113 026-Mens-2002

Zone Name / Space Name

Hourly Analysis Program 5.11

Totals (incl. Space Multipliers)

Totals (incl. Space Multipliers)

# **Mechanical Compliance Certificate**

# **Section 1: Project Information**

Energy Code: 2009 IECC Project Title: York County - Sheriff's Office Project Type: Alteration

Construction Site: Owner/Agent: Designer/Contractor:

Floor Maximum Required Required Required Required Outdoor Air Outdoor Air Outdoor Air Outdoor Air

Area Maximum Supply Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air Outdoor Air

(CFM) (CFM/person) (CFM/ft²) (CFM) (% of supply)

(CFM) (CFM/person) (CFM/ft²) (CFM) (% of supply)

Supply Air | Outdoor Air |

# **Section 2: General Information**

Rock Hill (York), South Carolina Building Location (for weather data): Climate Zone:

# **Section 3: Mechanical Systems List**

Quantity System Type & Description

1 DOAS-1 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 83 kBtu/h No minimum efficiency requirement applies

Cooling: 1 each - Single Package DX Unit, Capacity = 87 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.00 EER, Required Efficiency = 11.20 EER Proposed Part Load Efficiency = 0.00, Required Part Load Efficiency = 0.00 Fan System: FAN SYSTEM 1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

FAN 1 Supply, Constant Volume, 1315 CFM, 0.8 motor nameplate hp

# **Section 4: Requirements Checklist**

# Requirements Specific To: DOAS-1:

2. Integrated economizer is required for this location and system. 100% O.A. UNIT

3. Cooling system provides a means to relieve excess outdoor air during economizer operation. Generic Requirements: Must be met by all systems to which the requirement is applicable: ☐ 1. Plant equipment and system capacity no greater than needed to meet loads

Standby equipment automatically off when primary system is operating

Multiple units controlled to sequence operation as a function of load 2. Minimum one temperature control device per system

5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup

Exception(s): Continuously operating zones

Project Title: York County - Sheriff's Office

Data filename:

 ∑ 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum 7. R-5 supply and return air duct insulation in unconditioned spaces R-8 supply and return air duct insulation outside the building

R-8 insulation between ducts and the building exterior when ducts are part of a building assembly Exception(s):

 Ducts located within equipment Ducts with interior and exterior temperature difference not exceeding 15°F.

Report date: 03/13/24

Page 1 of 3

🛛 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment 9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in. Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in. Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.

Hourly Analysis Program 5.1

Piping within HVAC equipment.

Fluid temperatures between 55 and 105°F.

Fluid not heated or cooled with renewable energy. ☐ Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).

Hourly Analysis Program 5.1

Prepared by: CPL

2.22 Zone: FCU-24

Zone Name / Space Name

030-FutureOffice-2114

Zone Name / Space Name

Totals (incl. Space Multipliers)

2.23 Zone: FCU-25

031-Interview-2115

2.24 Zone: FCU-26

Zone Name / Space Name

032-Capt Office-2116

Zone Name / Space Name

033-VictimOffice-2117

Totals (incl. Space Multipliers)

2.25 Zone: FCU-27

Totals (incl. Space Multipliers)

Totals (incl. Space Multipliers)

Project Name: YorkCnty Sheriff Office

Runouts <4 ft in length.</p> 11. Operation and maintenance manual provided to building owner

12.Thermostatic controls have 5°F deadband

Thermostats requiring manual changeover between heating and cooling Special occupancy or special applications where wide temperature ranges are not acceptable and are approved by the authority having jurisdiction.

13. Balancing devices provided in accordance with IMC 603.17 14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.

Systems with heat recovery. Multiple-zone systems without DDC of individual zones communicating with a central control panel. Systems with a design outdoor airflow less than 1200 cfm.

Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.

 ${\bf \square}$  15.Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings ☐ Gravity dampers acceptable in buildings <3 stories</p> 16. Automatic controls for freeze protection systems present

17. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted ☐ Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code

prohibits the use of energy recovery systems. Systems serving spaces that are heated and not cooled to less than 60°F.

Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy. Heating systems in climates with less than 3600 HDD.

Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F. Systems requiring dehumidification that employ energy recovery in series with the cooling coil.

Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

# **Section 5: Compliance Statement**

Name - Title

Data filename:

Project Title: York County - Sheriff's Office

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical alteration project has been designed to meet the 2009 IECC, Chapter 8, requirements in COMcheck-Web and to comply with the mandatory requirements in the Requirements Lawrence Stokes

# **Section 6: Post Construction Compliance Statement**

HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.

> Report date: 03/13/24 Page 2 of 3

Project Title: York County - Sheriff's Office Report date: 03/13/24 Data filename: Page 3 of 3

Page 2 of 5

01/15/2024

Page 5 of 5

MVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.

Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name Signature

07:35AM

PROJECT INFORMATION Project Number R23.00720.00 YORK COUNTY, SC Project Name DISTRICT 3 SHERIFF'S OFFICE 236 Northpark Drive, Rock Hill, SC 29730

CPL | Architecture Engineering Planning

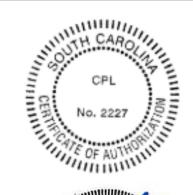
6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

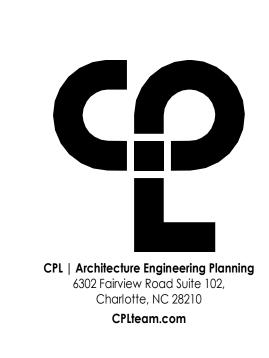




SHEET INFORMATION 05/09/2024 Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

> Drawing Title ENERGY CODE COMPLIANCE REPORT AND VENTILATION CALCULATIONS

**KEY NOTES** 



PROJECT INFORMATION

Project Number

R23.00720.00
Client Name
YORK COUNTY, SC

Project Name
DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

# Date Description

PROFESSIONAL STAMPS





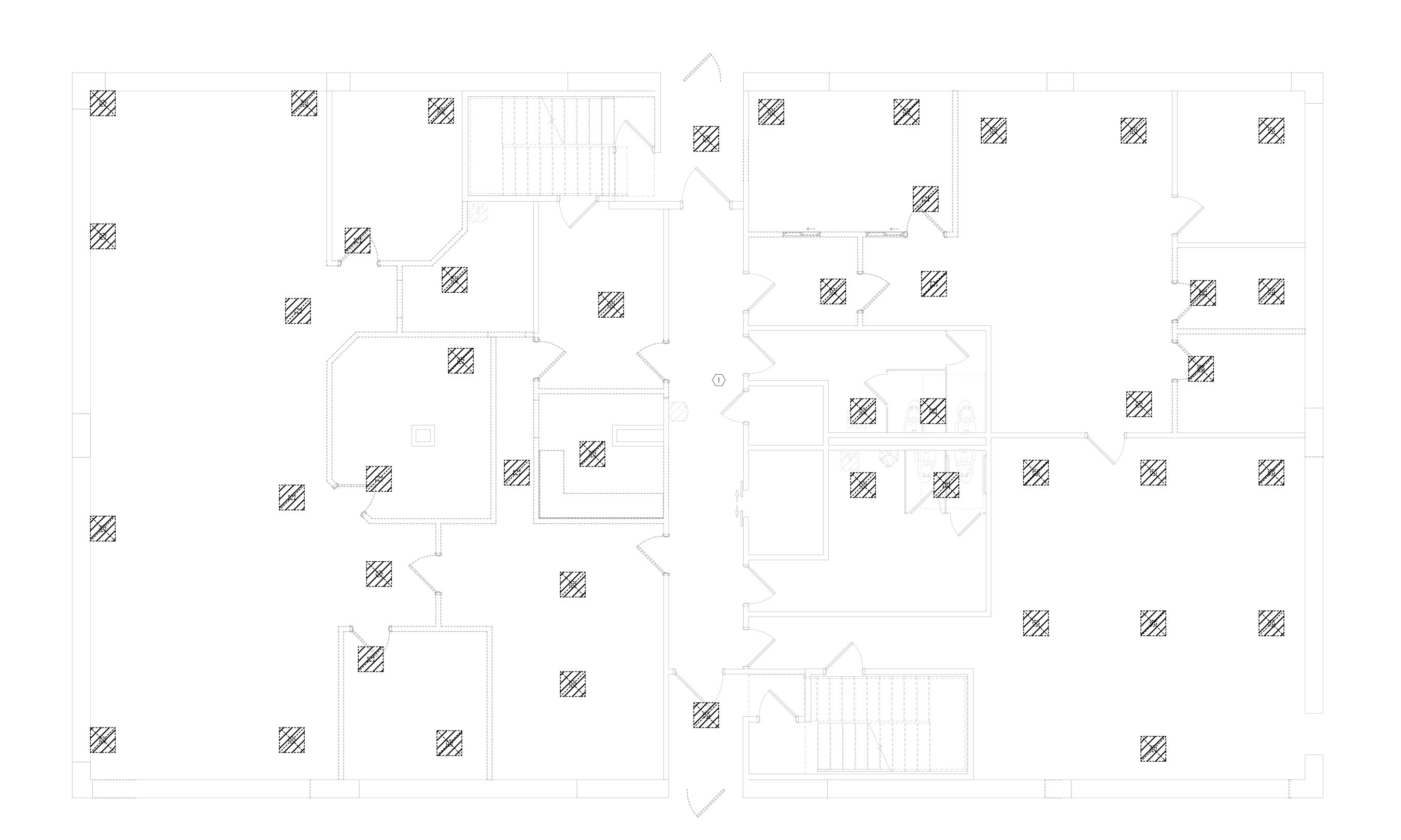
SHEET INFORMATION

Issued Scale
05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By

Drawing Title
FIRST FLOOR HVAC DEMOLITION

Drawing Number

0' 4' 8' 16' 32



**KEY NOTES** 



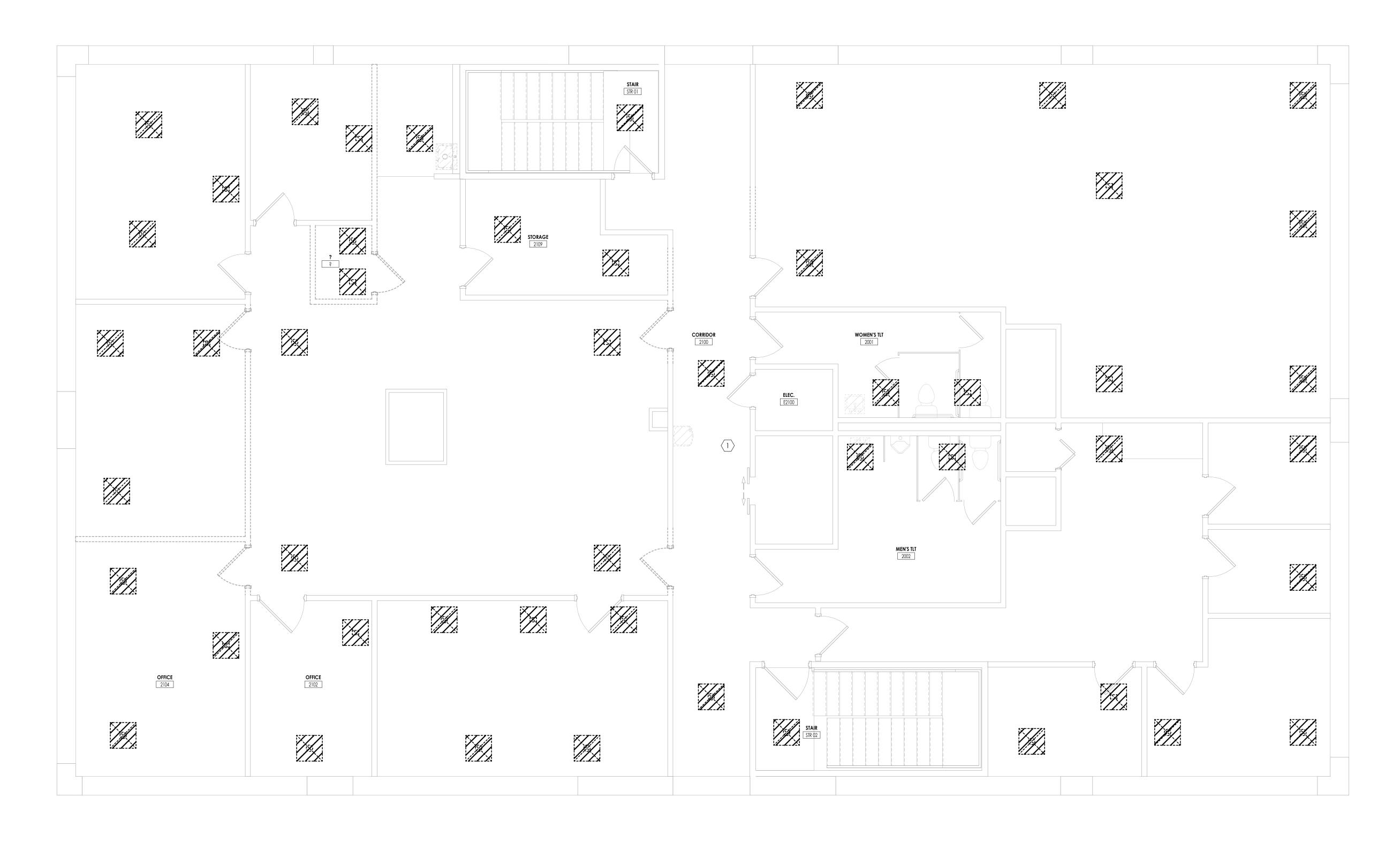
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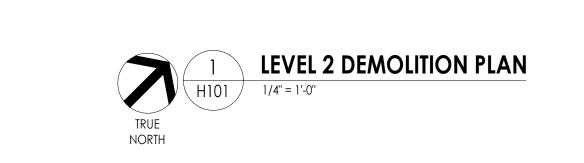
R23.00720.00 YORK COUNTY, SC

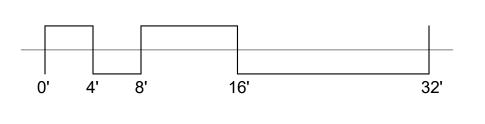
Project Number

Project Name DISTRICT 3 SHERIFF'S OFFICE

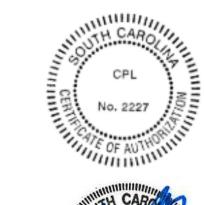
Project Address 236 Northpark Drive, Rock Hill, SC 29730







PROFESSIONAL STAMPS





SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By Checked By

Drawing Title
SECOND FLOOR HVAC DEMOLITION PLAN

**KEY NOTES** 

DEMOLISH EXISTING RTU, CONTROLS AND CONDENSATE PIPING. REMOVE EXISTING CURB AND PATCH ROOF TO MATCH EXISTING.

DEMOLISH EXISTING EXHAUST FAN AND ASSOCIATED CONTROLS. REMOVE EXISTING CURB AND PATCH ROOF TO MATCH EXISTING.



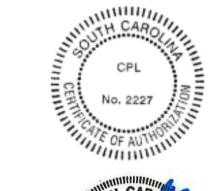
PROJECT INFORMATION

R23.00720.00 Client Name YORK COUNTY, SC

Project Number

Project Name DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730





SHEET INFORMATION

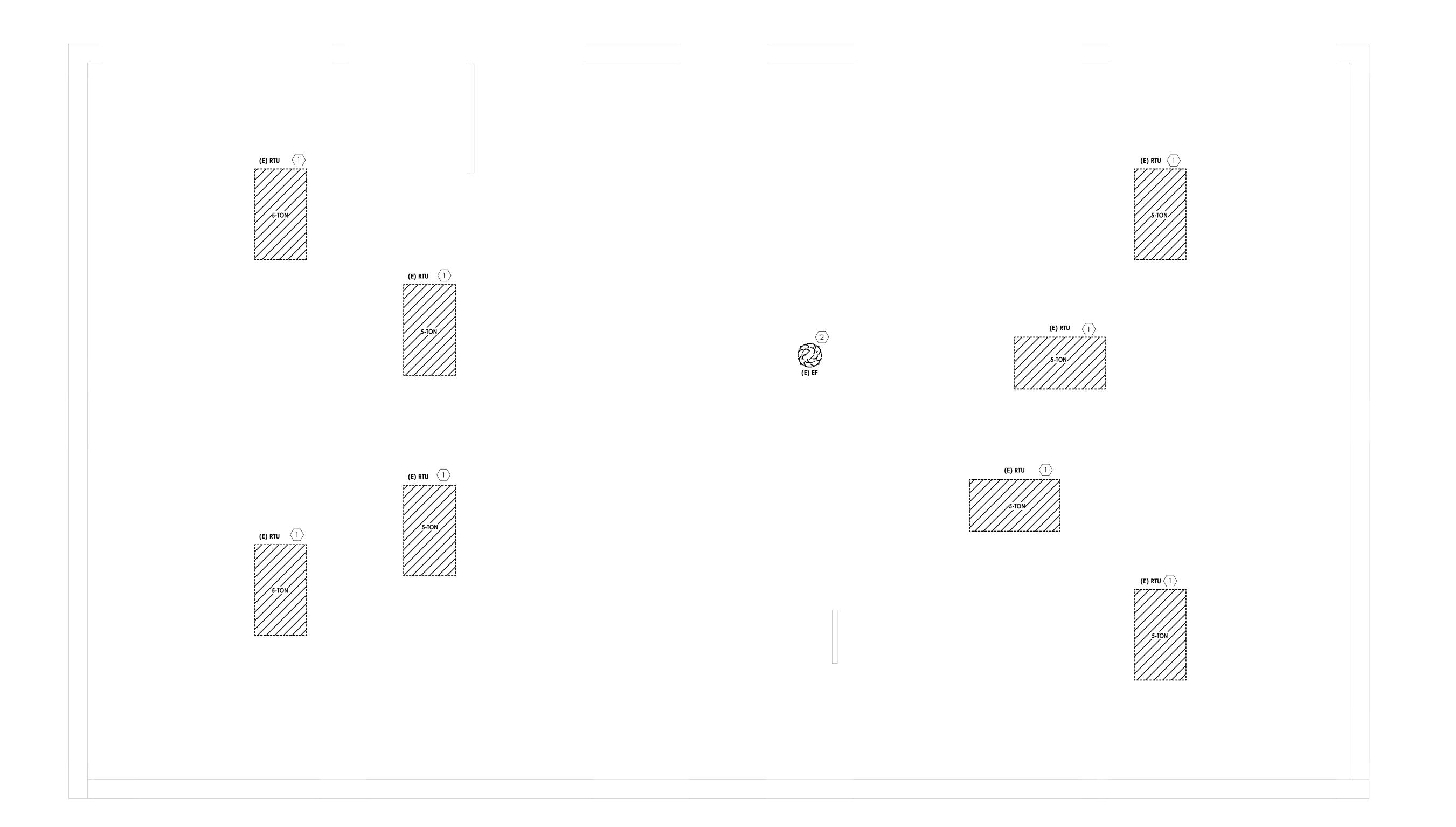
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05/09/2024 As indicated Project Status

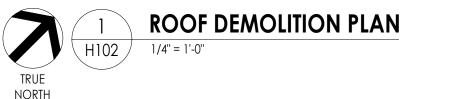
100% CONSTRUCTION DOCUMENTS

Drawn By Checked By

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Drawing Title
ROOF HVAC DEMOLITION PLAN





1. BALANCE OUTSIDE AIR FLOW TO EACH FAN COIL UNIT THAT HAS OUTSIDE AIR DUCTED TO IT PER AIRFLOW CFM VALUES ON SCHEDULE.

#### **KEY NOTES**

- 1 INSTALL DUCTLESS SPLIT SYSTEM INDOOR UNIT ABOVE DOOR. ROUTE CONDENSATE TO HUB DRAIN LOCATED ABOVE CEILING OF BREAKROOM. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- 2 DUCT SMOKE DETECTOR LOCATED IN RETURN DUCT. DUCT DETECTOR PROVIDED AND WIRED BY DIV 26, INSTALLED BY DIV 23.



#### PROJECT INFORMATION

R23.00720.00 Client Name

Project Number

YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS





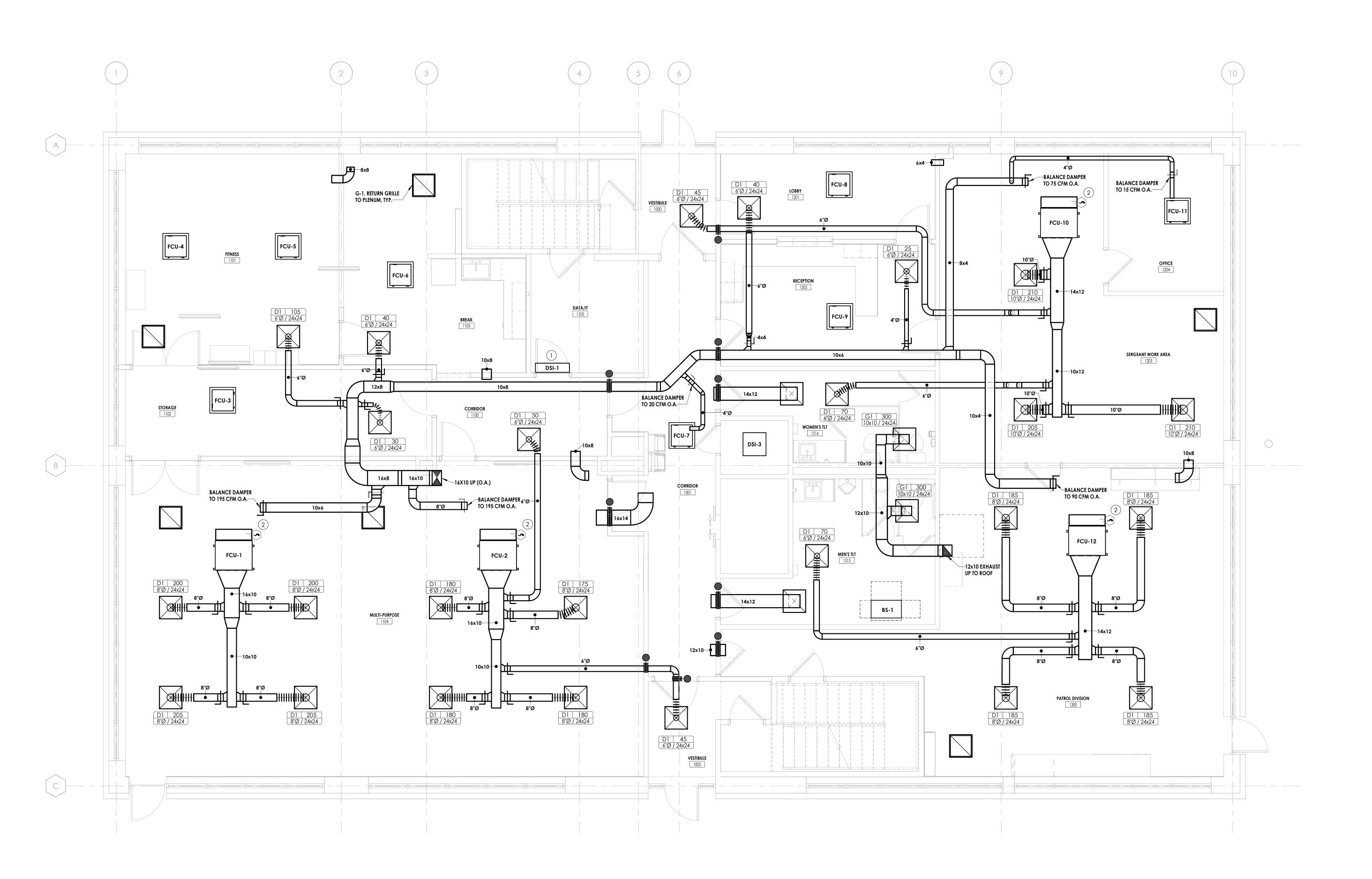
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Issued Scale
05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
LBS GAK

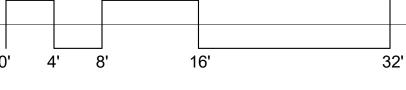
Drawing Title
FIRST FLOOR HVAC NEW WORK
PLAN

Drawing Number

Drawing t







 BALANCE OUTSIDE AIR FLOW TO EACH FAN COIL UNIT THAT HAS OUTSIDE AIR DUCTED TO IT PER AIRFLOW CFM VALUES ON SCHEDULE.

## **KEY NOTES**

- 1) INSTALL DUCTLESS SPLIT SYSTEM INDOOR UNIT ABOVE DOOR. ROUTE CONDENSATE TO MOP SINK IN JANITOR'S CLOSET.
- 2 DUCT SMOKE DETECTOR LOCATED IN RETURN DUCT. DUCT DETECTOR PROVIDED AND WIRED BY DIV 26, INSTALLED BY DIV 23.



#### PROJECT INFORMATION

R23.00720.00
Client Name
YORK COUNTY, SC

Project Name
DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

# Date Description

PROFESSIONAL STAMPS



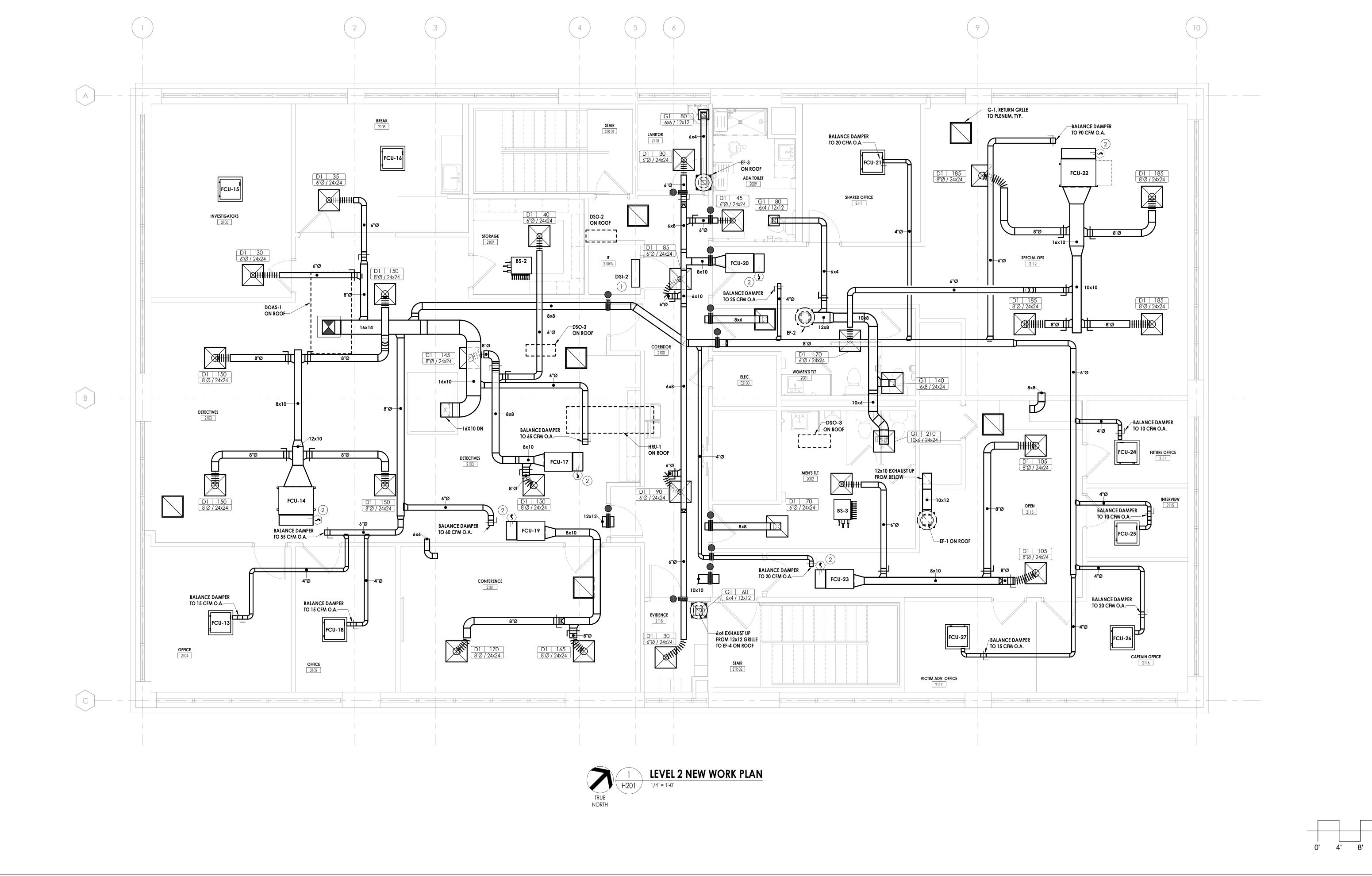
SHEET INFORMATION

Issued Scale
05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
LBS GAK

Drawing Title
SECOND FLOOR HVAC NEW
WORK PLAN

Drawing Number

1001





PROJECT INFORMATION
Project Number
R23.00720.00

R23.00720.00
Client Name
YORK COUNTY, SC

Project Name
DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

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SHEET INFORMATION

Issued Scale
05/09/2024 1/4" = 1'-0"

Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
LBS GAK
Drawing Title
ROOF HVAC NEW WORK PLAN

Drawing Number

H202



1. ALL CONDENSATE PIPING SHALL BE COPPER.

2. PLANS SHOW SCHEMATIC ROUTING OF REFRIGERANT PIPING. REFRIGERANT PIPING SHALL HAVE LIQUID AND SUCTION LINES INSTALLED TO FAN COILS PER MANUFACTURER'S INSTRUCTIONS. REFER TO VRF PIPING SCHEMATIC ON H500.





R23.00720.00
Client Name
YORK COUNTY, SC

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Project Name

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS





SHEET INFORMATION

Drawn By

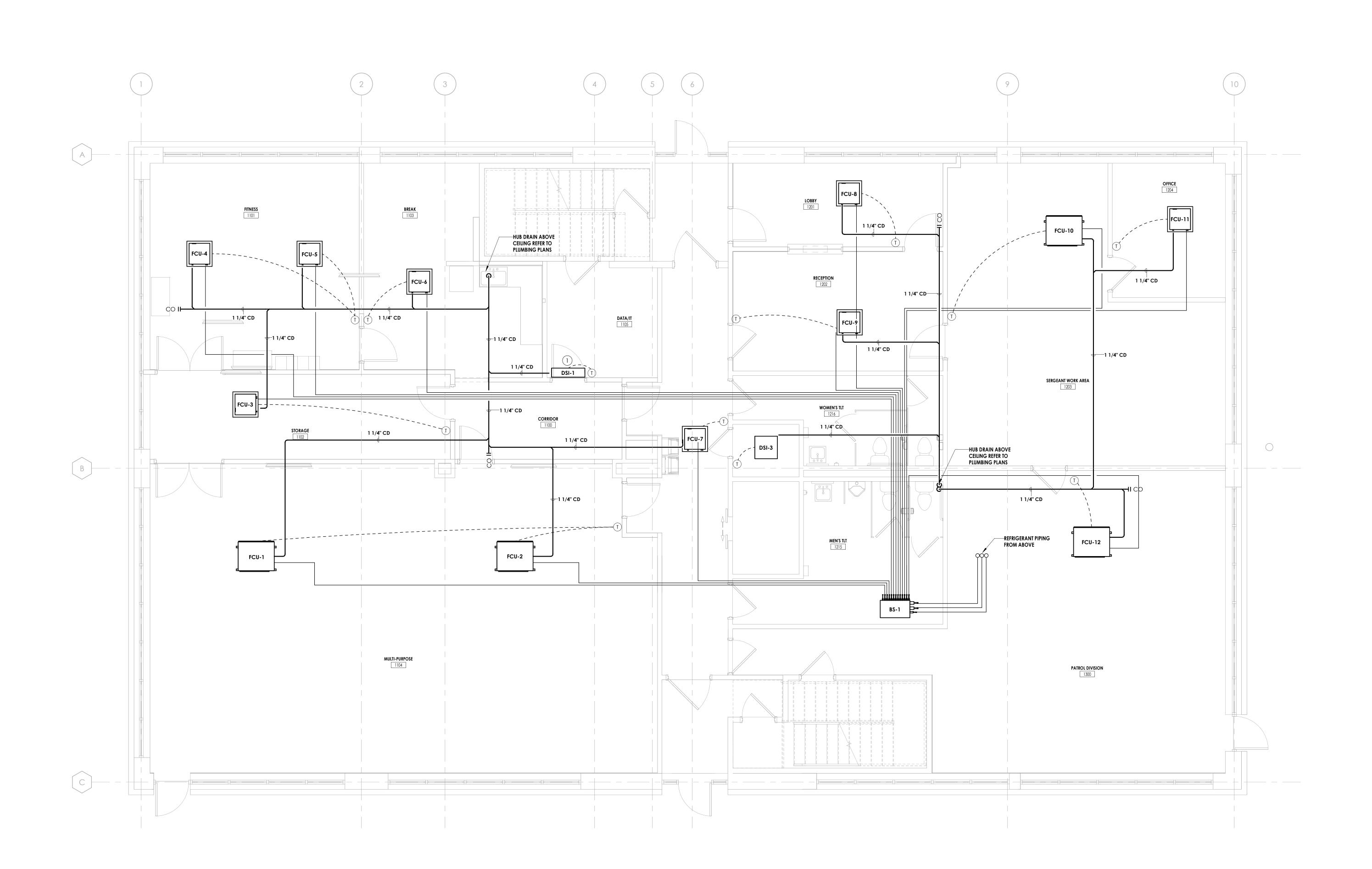
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05/09/2024 As indicated
Project Status
100% CONSTRUCTION DOCUMENTS

Drawing Title
FIRST FLOOR HVAC PIPING NEW
WORK PLAN

Drawing Number

1000

0' 4' 8' 16' 32'



<u>'</u> H(

1. ALL CONDENSATE PIPING SHALL BE COPPER.

2. PLANS SHOW SCHEMATIC ROUTING OF REFRIGERANT PIPING. REFRIGERANT PIPING SHALL HAVE LIQUID AND SUCTION LINES INSTALLED TO FAN COILS PER MANUFACTURER'S INSTRUCTIONS. REFER TO VRF PIPING SCHEMATIC ON H500.



PROJECT INFORMATION

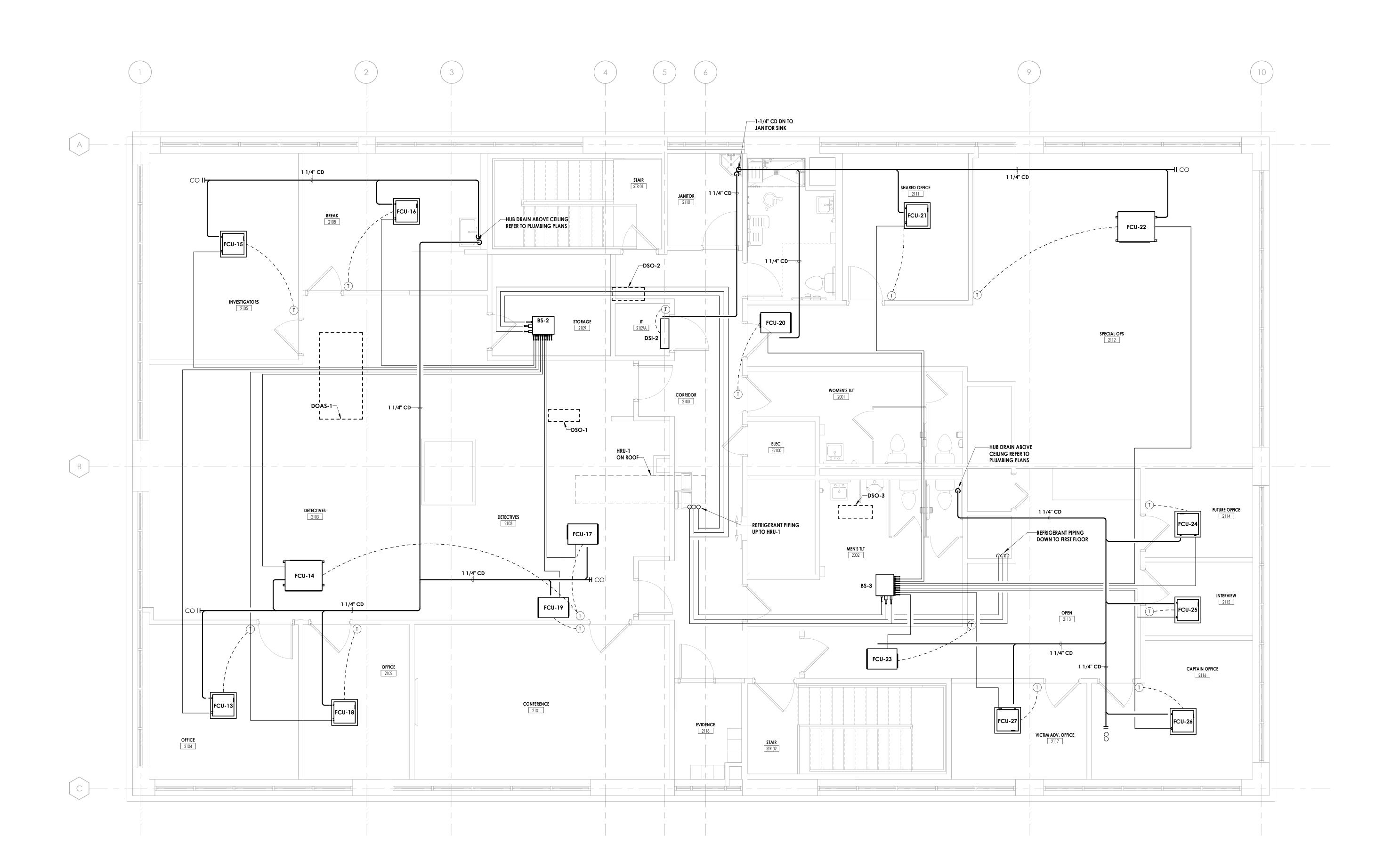
YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

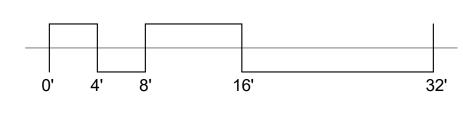
Project Address 236 Northpark Drive, Rock Hill, SC 29730

Project Number R23.00720.00

Project Name







PROFESSIONAL STAMPS





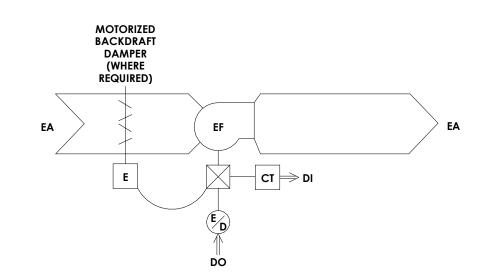
SHEET INFORMATION 05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

Drawing Title
SECOND FLOOR HVAC PIPING NEW WORK PLAN

Drawing Number

H301





# **SEQUENCE OF OPERATION:**

OCCUPIED MODE:

1. EXHAUST FAN SHALL BE ENERGIZED AND ASSOCIATED MOTORIZED BACKDRAFT DAMPER (WHERE REQUIRED) SHALL BE OPEN.

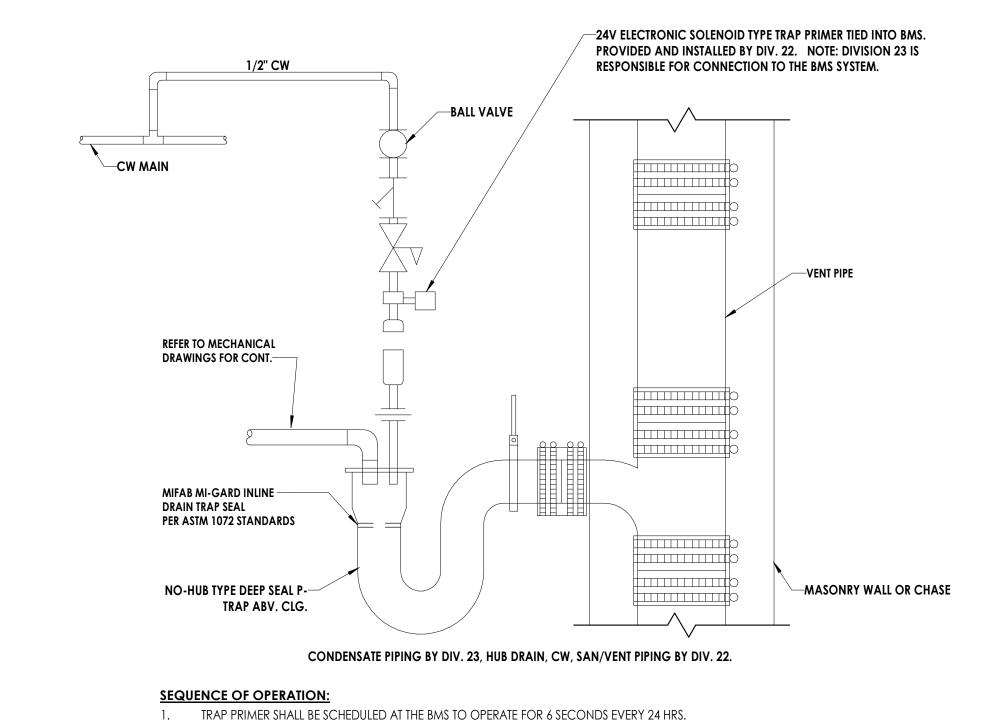
UNOCCUPIED MODE:

1. EXHAUST FAN SHALL BE DE-ENERGIZED AND ASSOCIATED MOTORIZED BACKDRAFT DAMPER (WHERE REQUIRED) SHALL BE CLOSED.

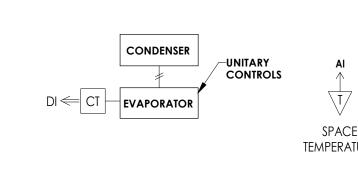
1. IN THE EVENT OF FAN MOTOR FAILURE, AN ALARM SHALL BE ANNUNCIATED AT THE BMS.

**EXHAUST FAN CONTROL SCHEMATIC** 

DOAS UNIT CONTROL SCHEMATIC



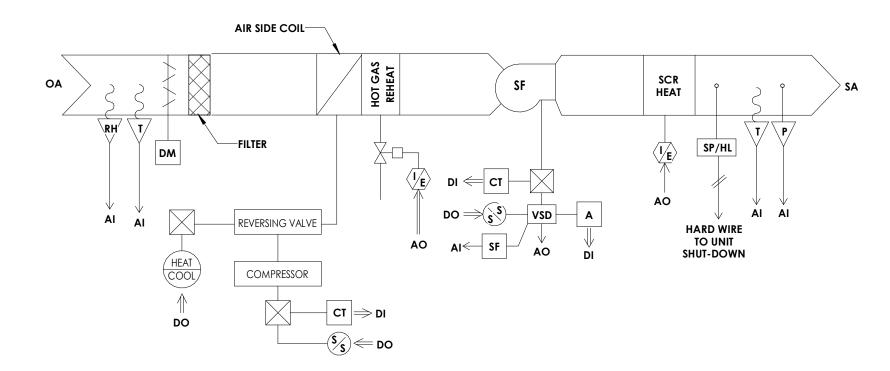
CONDENSATE P-TRAP HVAC DETAIL NOT TO SCALE



## **SEQUENCE OF OPERATION:**

- 1. DUCTLESS SPLIT SYSTEM SHALL OPERATE TO MAINTAIN SPACE TEMPERATURE SETPOINT VIA
- MANUFACTURER'S PACKAGED CONTROLS.
- 2. A TEMPERATURE SENSOR SHALL MONITOR SPACE TEMPERATURE. IF SPACE TEMPERATURE EXCEEDS HIGH/LOW TEMPERATURE LIMITS, AN ALARM SHALL BE ANNUNCIATED TO THE BMS.
- 3. UNIT STATUS SHALL BE MONITORED BY BMS.





# **DOAS - UNIT SEQUENCE OF OPERATION:**

# **EQUIPMENT DESCRIPTION:**

THE UNIT IS A PACKAGED, ROOFTOP MOUNTED, HEATPUMP DEDICATED OUTSIDE AIR UNIT. 2. SUPPLY FAN VARIABLE SPEED DRIVES ARE TO ALLOW BALANCING OF SYSTEMS AND MODULATE TO MAINTAIN PRESSURE FOR DESIGN AIR FLOW.

UNIT CONTROLS

# OCCUPIED/UNOCCUPIED MODE:

1. THE UNIT SHALL BE PLACED IN THE OCCUPIED/UNOCCUPIED MODE BY SCHEDULE FROM THE BUILDING MANAGEMENT SYSTEM (BMS).

# OCCUPIED MODE:

1. SUPPLY FAN SHALL BE ENERGIZED AND OUTSIDE AIR DAMPER SHALL OPEN IN OCCUPIED MODE.

# **UNOCCUPIED MODE:**

1. THE OUTSIDE AIR DAMPER SHALL CLOSE AND UNIT SHALL DE-ENERGIZE.

# **COOLING SEQUENCE:**

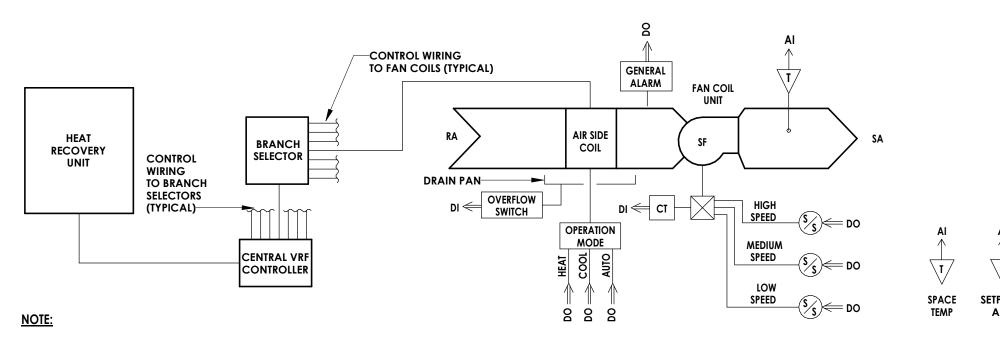
1. WHEN THE OUTSIDE AIR DRY BULB TEMPERATURE EXCEEDS THE SPACE TEMPERATURE SETPOINT OF 75°F (ADJ.) AND/OR THE OUTSIDE AIR DEWPOINT EXCEEDS 55°F, THE HEAT PUMP SHALL BE ENERGIZED AND INDEXED TO COOLING MODE. THE HOT GAS REHEAT COIL IS TO MODUALTE TO MAINTAIN THE DOAS-1 SUPPLY AIR TEMPERATURE SETPOINT OF 70°F DB (ADJ.)

# **HEATING SEQUENCE:**

WHEN THE OUTSIDE AIR TEMPERATURE FALLS BELOW THE SUPPLY AIR TEMPERATURE SETPOINT OF 70°F AND THE OUTSIDE AIR DEWPOINT FALLS BELOW 55°F, THE HEAT PUMP SHALL BE ENERGIZED AND INDEXED TO HEATING MODE. SCR HEAT IS TO MODULATE TO MAINTAIN THE SUPPLY AIR TEMPERATURE OF 70°F (ADJ.)

SUPPLY FAN MOTOR FAILURE SUPPLY AIR TEMP HIGH/LOW LIMITS

GENERAL ALARM 4. DIRTY FILTER ALARM



POINTS CONTROLLED BY VRF SYSTEM SHALL INCLUDE:

- COMPRESSOR ON/OFF - COMPRESSOR SPEED CONTROL - OIL RETURN

- DEFROST - ELECTRONIC EXPANSION VALVE MODULATION

- ALARMS REPORTING - ADDITIONAL PROPRIETARY POINTS AS REQUIRED TO FACILITATE FULL VRF SYSTEM CONTROL

POINTS CONTROLLED AND MONITORED BY BMS: - SPACE SETPOINT ADJUSTMENT

- TIME OF DAY SCHEDULING - GENERAL ALARMS

- DISCHARGE AIR TEMPERATURE SENSOR

THE BMS SYSTEM SHALL PROVIDE LIMITED MONITORING AND CONTROL OF THE VRF SYSTEM. TIME OF DAY SCHEDULING SHALL BE DETERMINED BY THE BMS SYSTEM.

1. THE FAN COIL SUPPLY FAN SHALL BE ENABLED AND RUN CONTINUOUSLY DURING THE OCCUPIED MODE. 2. ON A RISE IN SPACE TEMPERATURE ABOVE 75°F (ADJ.), THE FAN COIL OPERATION MODE SHALL BE INDEXED TO COOLING. ON A FALL IN SPACE TEMPERATURE BELOW SETPOINT, THE REVERSE SHALL OCCUR.

3. ON A FALL IN SPACE TEMPERATURE BELOW 70°F (ADJ.), THE FAN COIL OPERATION MODE SHALL BE INDEXED TO HEATING. ON A RISE IN SPACE TEMPERATURE ABOVE SETPOINT, THE REVERSE SHALL OCCUR.

UNOCCUPIED MODE:

1. THE FAN COIL SHALL BE DE-ENERGIZED. IF THE SPACE TEMPERATURE DEVIATES OUTSIDE THE HEATING OR COOLING NIGHT SETBACK SETTINGS, THE FAN COIL SHALL BE ENERGIZED AND SHALL BE INDEXED TO HEATING

CONDENSATE OVERFLOW SWITCH:

1. IF THE CONDENSATE OVERFLOW SWITCH IS ACTIVATED, THE FAN COIL SHALL BE DE-ENERGIZED AND AN ALARM SHALL BE SENT TO THE CONTROLLER.

1. UPON ACTIVATION OF THE RETURN DUCT MOUNTED SMOKE DETECTOR, THE FCU IS TO SHUT-DOWN.



VRF SYSTEM CONTROL DIAGRAM

6302 Fairview Road Suite 102, Charlotte, NC 28210 CPLteam.com

PROJECT INFORMATION

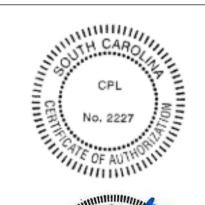
R23.00720.00 YORK COUNTY, SC

**DISTRICT 3 SHERIFF'S OFFICE** 

236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS

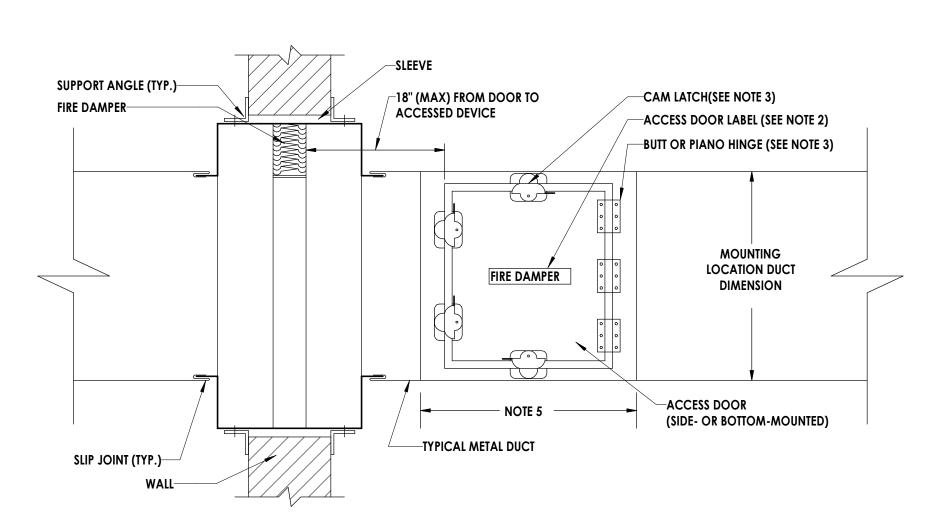


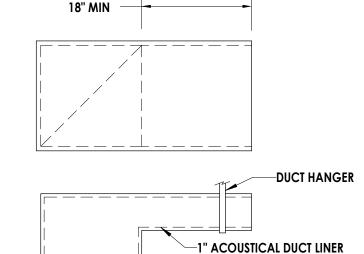


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05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By LBS

Drawing Title HVAC CONTROLS SCHEMATICS





1. COORDINATE HEIGHT OF DUCT BOOT TO AVOID INTERFERENCE WITH LIGHTS, JOISTS AND OTHER DUCTS. 2. DUCT BOOTS SHALL BE PROVIDED FOR ALL OPEN RETURN AIR

GRILLES EVEN IF NOT SHOWN ON THE DRAWINGS.

-RETURN GRILLE

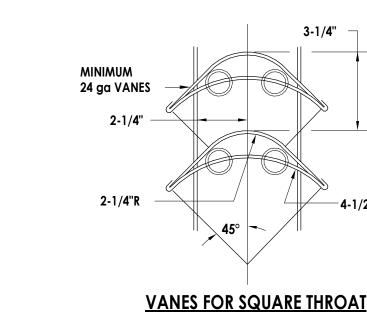
TREATED WITH ANTI-MICROBIAL

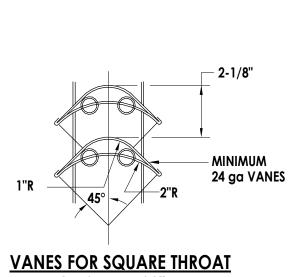


### 1. LOCATE ACCESS DOOR ON THE ACTUATOR, LATCH RELEASE OR FUSIBLE LINK SIDE OF ALL FIRE, SMOKE AND FIRE/SMOKE DAMPERS.

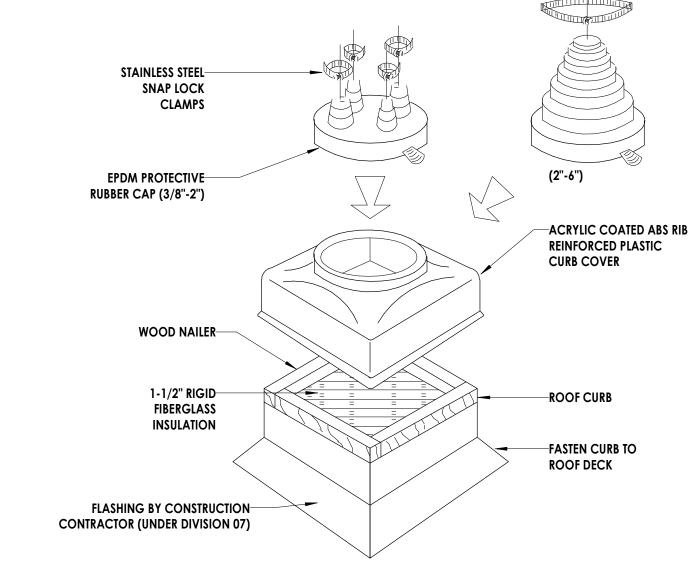
- 2. PROVIDE PERMANENT LABEL WITH 1/2" HIGH (MINIMUM) LETTERING. REFER TO SPECIFICATION SECTION "MECHANICAL IDENTIFICATION" FOR ADDITIONAL INFORMATION.
- REFER TO SPECIFICATION SECTION "DUCT ACCESSORIES" FOR ACCESS DOOR HINGE AND CAM LATCH QUANTITIES AND CONFIGURATIONS. NOTE: CAM LATCHES SHALL BE PROVIDED ON ALL SIDES AT LOCATIONS WHERE A HINGED ACCESS DOOR IS UNABLE TO OPEN A MINIMUM OF 90 DEGREES.
- 4. REFER TO THE TABLE FOR APPROPRIATE ACCESS DOOR SIZE BASED ON THE MOUNTING LOCATION DUCT HEIGHT (SIDE-MOUNTED) OR DUCT WIDTH (BOTTOM-MOUNTED).
- 5. ACCESS DOORS LESS THAN 18"x18" SERVING FIRE, SMOKE OR FIRE/SMOKE DAMPERS SHALL BE LOCATED IN A REMOVABLE SECTION OF DUCT. INCLUDE "REMOVABLE DUCT"
- 6. MOUNTING LOCATIONS HAVING A DUCT DIMENSION LESS THAN 8" SHALL BE PROVIDED WITH TRANSITIONS AS REQUIRED TO PROVIDE A 6"X6" ACCESS DOOR.
- 7. INSTALL FIRE DAMPER PER MANUFACTURER'S INSTRUCTIONS.

SUPPLEMENTAL LABELING.





**ELBOWS THRU 20" WIDE** 









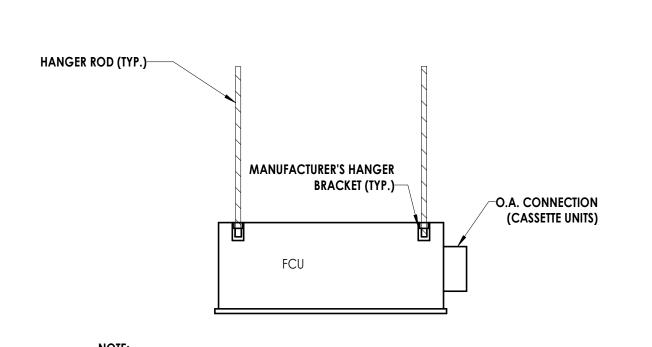
**ELBOWS OVER 20" WIDE** 





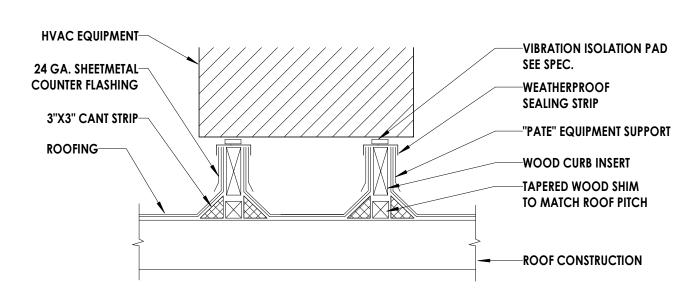
VIBRATION— **ELIMINATOR** 

MANUAL RESET-



1. MAINTAIN MANUFACTURER'S REQUIRED ACCESS CLEARANCE FOR ALL CONTROL PANELS.





MOUNTING

LOCATION

**DUCT DIMENSION** 

UP TO 8"

10"

12"

14"

16"

18"

20" - 42"

**GREATER THAN 42"** 

NOTE: REFER TO "RECTANGULAR DUCT

ACCESS DOOR ARRANGEMENT DETAIL" FOR

MOUNTING LOCATION DUCT DIMENSIONS

DOOR SIZE

6"x6"

8"x8"

10"x10"

12"x12"

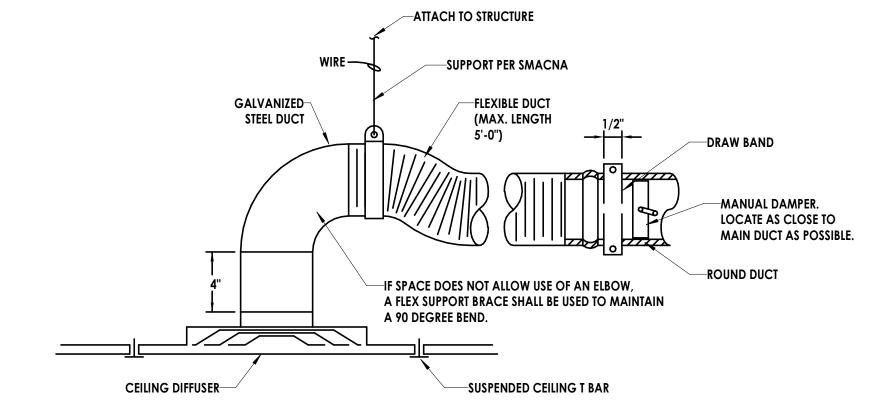
14"x14"

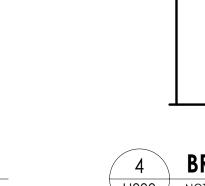
16"x16"

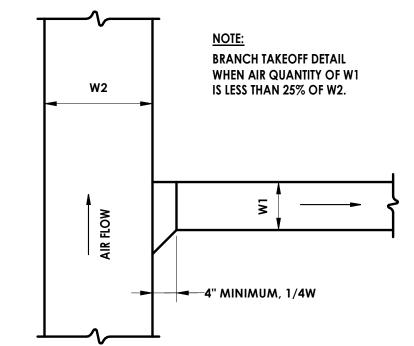
18"x18"



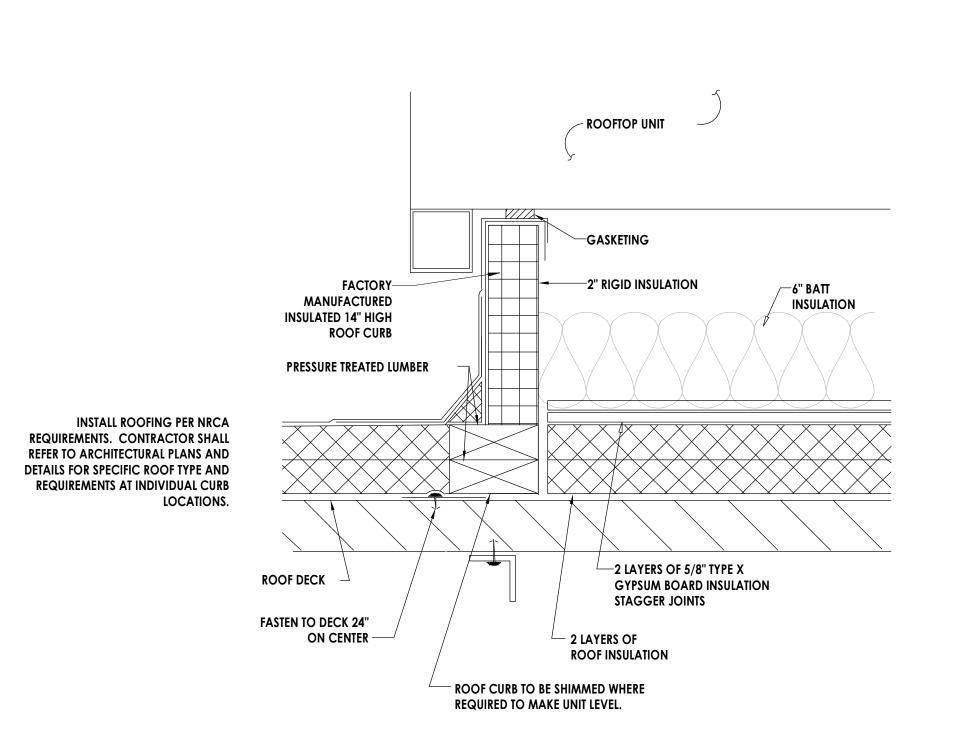
H800 NOT TO SCALE



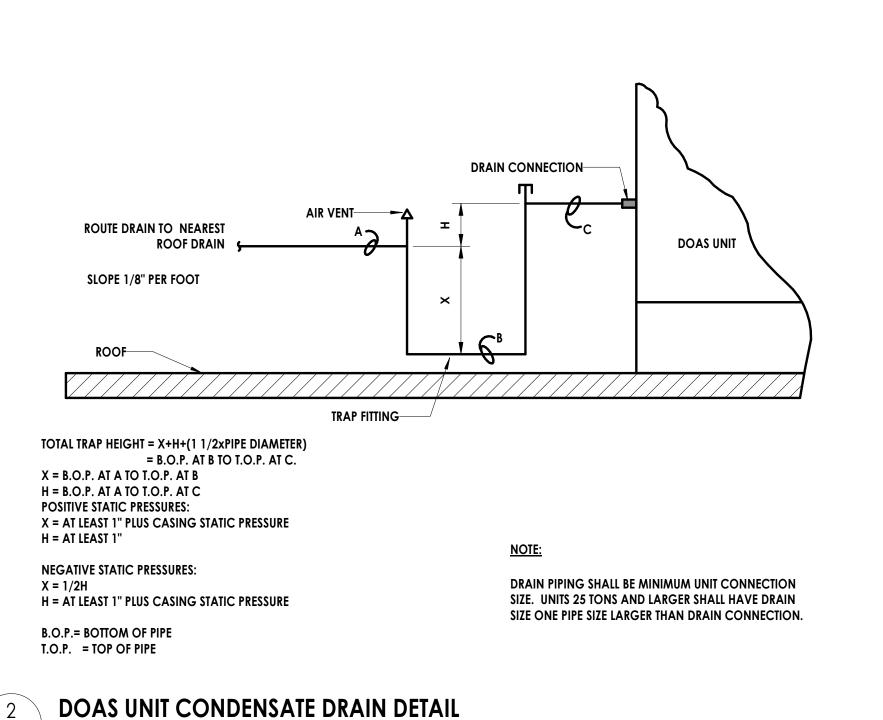






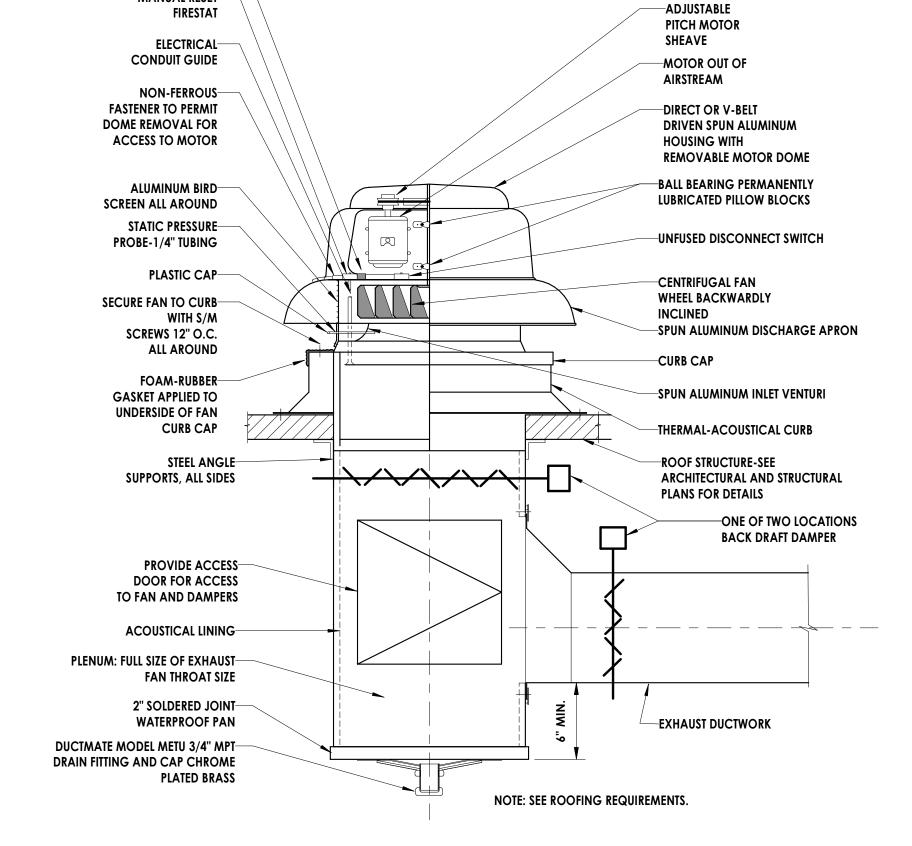






**DIFFUSER DETAIL** 

NOT TO SCALE



**EXHAUST FAN DETAIL** 

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PROJECT INFORMATION

Project Number R23.00720.00 YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS





05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By Checked By GAK LBS Drawing Title **HVAC DETAILS** 



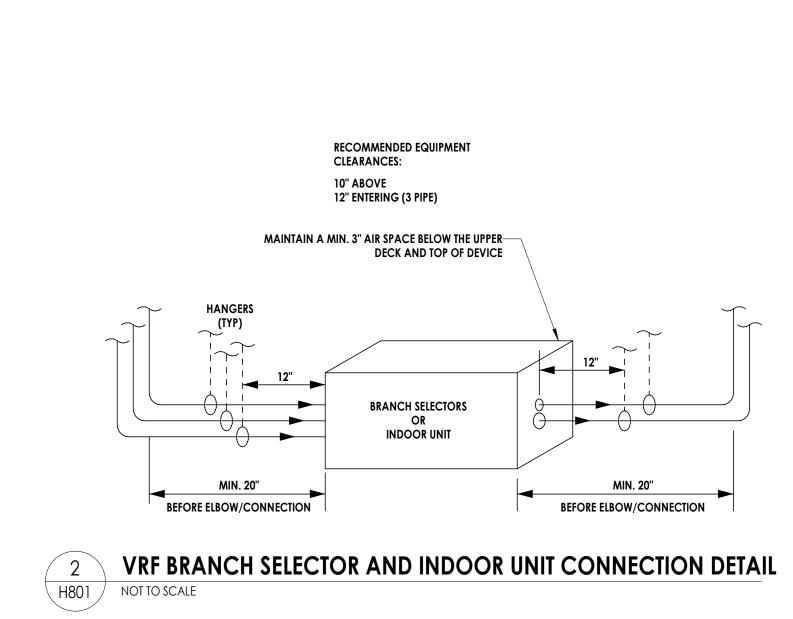
PROJECT INFORMATION

Project Number R23.00720.00 Client Name YORK COUNTY, SC

Project Name DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

# Date Description 1 07/03/2024 JUNE ROCK HILL COMMENTS



CLEARANCE FROM THE SIDE OF THE ELECTRICAL/CONTROLS PANEL (TYPICAL) —HANGER BRACKETS (TYP.) MAINTAIN A MIN. 3" AIR SPACE BELOW THE UPPER DECK AND TOP—OF THE DEVICE. NOTE: CONTRACTOR TO PROVIDE 5/16" THREADED ROD— HANGERS WITH DOUBLE SIDED RUBBER (1/2" THICK) ISOLATORS AT EACH SUSPENSION BRACKET (4 EACH) ON BRANCH SELECTOR FOR SUSPENSION OF UNIT 1/4" SERVICE FTG. (TYP) EACH VALVE-(HP) LIQUID REFRIG. LINE (FROM OUTDOOR UNIT) (LP) SUCTION REFRIG. LINE (FROM INDOOR UNITS)
(HP) LIQUID REFRIG. LINE
(TO INDOOR UNITS) CONTRACTOR TO INSTALL LINE SIZE REFRIGERANT SHUT-OFF VALVES WITH ACCESS
FITTING. ALL VALVES SHALL INCORPORATE
DUAL STEM SEAL DESIGN WITH TEFLON
PACKING INTERNAL PRIMARY SEAL. VALVE (LP) SUCTION REFRIG.
LINE (TO OUTDOOR UNIT) SHALL PERMIT OPERATION WITHOUT REMOVAL OF SEALS OR TEFLON GASKETS. PROVIDE WITH INTERNAL BALL TYPE RELIEF PORT FOR DUAL < (HP) HOT GAS REFRIG. LINE (FROM OUTDOOR UNIT) DIRECTIONAL SHUT-OFF. PROVIDE FULL FLOW
PORTS ON ALL SIZES 1/4" THROUGH 7/8".
(NOTE: SHUT-OFF VALVES SHALL BE ZEROCLEARANCE TYPE, ALL BRONZE, BRAZED
CONNECTIONS WITH 1/4" SCHRADER TYPE SERVICE FITTING IN VALVE. TYPICAL FOR EACH LINE). VALVES SHALL BE INSTALLED FACING DOWN 12" FROM THE ENTERING SIDE OF THE BRANCH SELECTOR.

PROVIDE A MINIMUM OF 36"—

MULTI-PORT BRANCH SELECTOR PIPING DETAIL

H801 NOT TO SCALE

Drawn By Checked By GAK LBS Drawing Title DETAILS CONTINUED

100% CONSTRUCTION DOCUMENTS

SHEET INFORMATION

05/09/2024 Project Status

PROFESSIONAL STAMPS

Drawing Number

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H801

													DEDICAT	ED OUTDOOR	AIR UN	IIT (DOAS) SCH	EDULE														
											HEATPUMP CO	OLING							HEAT PUMP	HEATING			ELECTRIC	HEATING				ELECTRICA	L		
1	MARK MANUFACTU	RER MODEL	SPACE SERVED	SUPPLY	S.P.	L FAN RPM	OPERATING (HP)	MOTOR HP	E.A.T (DB/WB)		OTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AMBIENT TEMP	REFRIGERANT	EER	COMPRESSOR TYPE	COMPRESSOR QUANTITY	TOTAL CAPACITY (MBH)	E.A.T. (F)	L.A.T. (F)	AMBIENT TEMP	HEATING STAGE	KW	МВН	E.A.T.	L.A.T. UNIT	MCA	UNIT MOCP VO	UNIT LTAGE/PHASE	WEIGHT	REMARKS
	OOAS-1 GREENHECK	RV-25-7.5A-1-E1	1ST & 2ND FLOOR	1315	0.75	1541	0.29	1.0	94.7/74.5	53.8/53.7	94.5	59.2	95.0	R4410A	12.0	INVERTOR SCROLL	1	94.5	20.3	54.1	20.3	SCR	20.4	69.6	20.3	69.3	00.7	110.0	208/3	2355	ALL

REMARKS:

1. PROVIDE WITH DISCONNECT. 2. PROVIDE MANUFACTURER'S RECOMMENDED VIBRATION ISOLATION ROOF CURB.

3. PROVIDE WITH MODULATING HOT GAS REHEAT. 4. PROVIDE SUPPLY FAN WITH VFD OR ECM MOTOR.

5. PROVIDE WITH BACNET COMPATIBLE CONTROLLER TO ENABLE DOAS UNIT TO BE CONTROLLED AND MONITORED BY BMS. 6. UNIT SHALL DISCHARGE NEUTRAL 70°F AIR.

7. PROVIDE WITH STAINLESS STEEL DRAIN PAN. 8. FURNISH WITH HINGED DOORS WITH TOOL-LESS ENTRY. 9. FURNISH WITH FACTORY INSTALLED HAIL GUARDS.

	HEA	T RECOVERY BI	RANCH UNIT	SCHEDULE		
AA A DIZ	AAANUFA CTURER	MODEL	DORTO	ELEC	[RICAL	DEA4 A DIVIC
MARK	MANUFACTURER	MODEL	PORTS	V/PH	AMPS	REMARKS
BS-1	DAIKIN	BS12Q54TVJ	12	208/1	1.2	ALL
BS-2	DAIKIN	BSF8Q54TVJ	8	208/1	0.8	ALL
BS-3	DAIKIN	BSF8Q54TVJ	8	208/1	0.8	ALL

10. FURNISH WITH DIRTY FILTER SENSOR.

11. FURNISH WITH CONDENSATE OVERFLOW SWITCH.

1. DISCONNECT FURNISHED BY ELECTRICAL. 2. PROVIDE REFRIGERANT PIPING AND PIPING ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

						VRF HEAT RECOVE	RY UNIT SCHE	DULE								
MARK	MANUFACTURER	MODEL	NUMBER OF	NOMINAL	SUMMER OUTSIDE AIR	RATED COOLING	WINTER OUTSIDE AIR	RATED HEATING	CONNECTION RATIO	IEER/EER	СОР	REFRIGERANT		ELECTRICAL		
MAKK	MANUFACTURER		UNIT MODULES	TONNAGE	(DB, °F)	CAPACITY (MBH)	(DB, °F)	CAPACITY (MBH)	(%)	ICER/EER	COP	KEFKIGEKANI	V/PH	MCA (A)	MOP (A)	REMARKS
HRU-1	DAIKIN	REYQ336AATJA (REYQ168AATJA + REYQ168AATJA)	2	28.0	95.0	308.9	20.0	289.1	115	22.1/10.5	3.6	R-410A	208/3	54.9 + 54.9	60.0 + 60.0	ALL

\*O.A. CFM DELIVERED TO SPACE VIA DIFFUSER

1. DISCONNECT FURNISHED BY ELECTRICAL. 2. PROVIDE REFRIGERANT PIPING AND PIPING ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

3. PROVIDE WITH MANUFACTURER'S BACNET INTERFACE NETWORK CARD SO THAT CONTROLLER WILL INTEGRATE WITH YORK COUNTY BMS.

4. PROVIDE ROOF RAILS FOR MOUNTING UNIT ON ROOF. 5. PROVIDE WITH LOSS OF REFRIGERANT CHARGE SWITCH AND ALARM.

					VRF HEAT REC	COVERY FAN COIL U	NIT SCHEDULE				
MARK	MANUFACTURER	MODEL	FAN COIL STYLE	O A (CEAA)	TOTAL AIR FLOW	TOTAL COOLING	SENSIBLE COOLING	TOTAL HEATING	ELEC	TRICAL	REMARKS
MAKK	MANUFACIURER	NUMBER	FAIN COIL STILE	O.A. (CFM)	(CFM)	CAPACITY (MBH)	CAPACITY (MBH)	CAPACITY (MBH)	V/PH	MCA (A)	KEIMAKKS
FCU-1	DAIKIN	fxsq30tavju	DUCTED	195	810	28.4	17.5	35.0	208/1	1.8	1,2,3
FCU-2	DAIKIN	fxsq30tavju	DUCTED	195	810	28.4	17.5	35.0	208/1	1.8	1,2,3
FCU-3	DAIKIN	FXZQ07MVJU9	CASSETTE (2'X2')	30*	320	6.9	4.3	8.7	208/1	0.8	1,2
FCU-4	DAIKIN	FXZQ15MVJU9	CASSETTE (2'X2')	52.5*	385	13.5	8.4	18.1	208/1	0.8	1,2
FCU-5	DAIKIN	FXZQ15MVJU9	CASSETTE (2'X2')	52.5*	385	13.5	8.4	18.1	208/1	0.8	1,2
FCU-6	DAIKIN	FXZQ18MVJU9	CASSETTE (2'X2')	40*	490	16.2	10.1	21.0	208/1	0.9	1,2
FCU-7	DAIKIN	FXZQ07MVJU9	CASSETTE (2'X2')	20	320	7.3	4.2	8.7	208/1	0.8	1,2
FCU-8	DAIKIN	FXZQ12MVJU9	CASSETTE (2'X2')	40*	335	10.9	6.4	14.0	208/1	0.8	1,2
FCU-9	DAIKIN	FXZQ07MVJU9	CASSETTE (2'X2')	25*	320	6.7	4.4	8.7	208/1	0.8	1,2
FCU-10	DAIKIN	FXSQ24TAVJU	DUCTED	75	740	22.2	13.5	27.9	208/1	1.8	1,2,3
FCU-11	DAIKIN	FXZQ09MVJU9	CASSETTE (2'X2')	15	320	8.5	5.3	11.1	208/1	0.8	1,2
FCU-12	DAIKIN	fxsq30tavju	DUCTED	90	810	27.7	17.7	35.0	208/1	1.8	1,2,3
FCU-13	DAIKIN	FXZQ09MVJU9	CASSETTE (2'X2')	15	320	8.5	5.3	11.1	208/1	0.8	1,2
FCU-14	DAIKIN	FXSQ18TAVJU	DUCTED	55	600	16.5	10.6	20.7	208/1	1.6	1,2,3
FCU-15	DAIKIN	FXZQ18MVJU9	CASSETTE (2'X2')	30*	490	16.0	9.9	21.0	208/1	0.9	1,2
FCU-16	DAIKIN	FXZQ15MVJU9	CASSETTE (2'X2')	35*	385	13.3	8.3	18.1	208/1	0.8	1,2
FCU-17	DAIKIN	FXSQ12TAVJU	DUCTED	65	335	11.2	7.2	13.9	208/1	0.8	1,2,3
FCU-18	DAIKIN	FXZQ07MVJU9	CASSETTE (2'X2')	15	320	6.7	4.4	8.7	208/1	0.8	1,2
FCU-19	DAIKIN	FXSQ12TAVJU	DUCTED	60	335	11.1	7.3	13.9	208/1	0.8	1,2,3
FCU-20	DAIKIN	fxsq07tavju	DUCTED	25	280	6.9	4.3	8.8	208/1	0.8	1,2,3
FCU-21	DAIKIN	FXZQ09MVJU9	CASSETTE (2'X2')	20	320	8.4	5.2	11.1	208/1	0.8	1,2
FCU-22	DAIKIN	fxsq30tavju	DUCTED	90	810	27.6	17.9	35.1	208/1	1.8	1,2,3
FCU-23	DAIKIN	fxsq05tavju	DUCTED	20	280	5.6	3.4	6.7	208/1	0.8	1,2,3
FCU-24	DAIKIN	FXZQ07MVJU9	CASSETTE (2'X2')	10	320	6.7	4.4	8.7	208/1	0.8	1,2
FCU-25	DAIKIN	FXSQ07TAVJU	CASSETTE (2'X2')	10	320	6.7	4.3	8.7	208/1	0.8	1,2
FCU-26	DAIKIN	FXZQ12MVJU9	CASSETTE (2'X2')	20	335	10.8	6.4	14.0	208/1	0.8	1,2
FCU-27	DAIKIN	FXZQ07MVJU9	CASSETTE (2'X2')	15	320	6.6	4.3	8.7	208/1	0.8	1,2

<u>REMARKS</u>

PROVIDE WITH MANUFACTURER'S DISCONNECT SWITCH. PROVIDE WITH MANUFACTURER'S INTEGRAL CONDENSATE PUMP.

PROVIDE WITH MERV 13 FILTER KIT.

CASSETTE UNITS SHALL BE CAPABLE OF BEING INSTALLED IN A 24"X24" CEILING GRID WITHOUT OVERLAPING INTO ADJACENT TILE SPACE.

		DUCTLESS SF	PLIT SYSTEM IND	OOR UNIT		
MARK	MANUFACTURER	TYPE	MODEL NUMBER	AIR FLOW (CFM)	MCA	REMARKS
DSI-1	MITSUBISHI ELECTRIC	WALL MOUNT	PKA-A18LA1	375	1.0	ALL
DSI-2	MITSUBISHI ELECTRIC	WALL MOUNT	PKA-A12LA1	375	1.0	ALL
DSI-3	MITSUBISHI ELECTRIC	CEILING CASSETTE	SLZ-KF12NA	335	0.3	ALL

		DUCTL	ESS SPLIT SYSTE <i>I</i>	M OUTDOOR (	JNIT		
MARK	MANUFACTURER	MODEL NUMBER	COOLING CAP. (MBH)	REFRIGERANT	SEER	VOLTAGE/PHASE	REMARKS
DSO-1	MITSUBISHI ELECTRIC	PUY-A18NKA7	18.0	R410A	20.2	208/1	ALL
DSO-2	MITSUBISHI ELECTRIC	PUY-A12NKA7	12.0	R410A	21.3	208/1	ALL
DSO-3	MITSUBISHI ELECTRIC	SUZ-KA12NAHZ	12.0	R410A	20.3	208/1	ALL

PROVIDE WITH MANUFACTURER'S DISCONNECT SWITCH.

PROVIDE WITH CONDENSATE PUMP. PROVIDE WITH LOW AMBIENT KIT/WIND BAFFLE, FOR LOW AMBIENT COOLING OPERATION.

INDOOR UNIT IS POWERED BY OUTDOOR UNIT.
PROVIDE ROOF RAILS FOR OUTDOOR UNIT.

					F.A	N SCHEDULE						
MARK	MANUFACTURER	MODEL	TYPE	SPACE SERVED	CFM	EXTERNAL STATIC PRESSURE	MOTOR HP	FAN RPM	MOTOR RPM	DRIVE TYPE	VOLTAGE/ PHASE	REMARKS
EF-1	GREENHECK	G-095-VG	CENTRIFUGAL	RESTROOMS	600	0.5	1/6	1547	1725	DIRECT	115/1	ALL
EF-2	GREENHECK	G-090-VG	CENTRIFUGAL	RESTROOMS	430	0.35	1/10	1397	1725	DIRECT	115/1	ALL
EF-3	GREENHECK	G-060-VG	CENTRIFUGAL	JANITOR	80	0.25	1/15	1419	1725	DIRECT	115/1	ALL
EF-4	GREENHECK	G-060-VG	CENTRIFUGAL	EVIDENCE	60	0.2	1/15	1229	1725	DIRECT	115/1	ALL

# <u>REMARKS</u>

PROVIDE WITH MANUFACTURER'S DISCONNECT SWITCH.

PROVIDE WITH ROOF CURB MIN. 14" HEIGHT. FAN TO RUN CONTINUOUSLY WHILE BUILDING IS IN OCCUPIED MODE.

FURNISH WITH ECM MOTOR WITH DIAL FOR SPEED CONTROL. BACKDRAFT DAMPER AND ACTUATOR BY CONTROLS VENDOR. FURNISH WITH GALVANIZED BIRD SCREEN.

		DIF	FUSER/GRILL	E SCHEDULE	
MARK	APPLICATION	MATERIAL	FINISH	DESIGN EQUIPMENT	REMARKS
D-1	SUPPLY DIFFUSER	STEEL	WHITE	PRICE, MODEL SCD	1-4, 6
G/R-1	EXHAUST/RETURN/TRANSFER GRILLE	STEEL	WHITE	PRICE, MODEL 530	1-5

1. COORDINATE WITH SPACE CEILING TYPE FOR LAY-IN OR SURFACE MOUNTING. PROVIDE OPPOSED BLADE DAMPERS FOR DIFFUSERS/GRILLES

INSTALLED IN HARD CEILINGS OR WHERE A DUCT MOUNTED MANUAL DAMPER WOULD NOT BE ACCESSIBLE.

2. FOR GRILLES MOUNTED IN LAY-IN CEILING SYSTEM, PROVIDE MANUFACTURER'S 24'x24" STANDARD ADAPTOR MODULE TO FIT IN GRID. 3. PROVIDE HANGERS AND MOUNTING ACCESSORIES SUITABLE FOR CEILING TYPE. COORDINATE DIFFUSERS/GRILLES WITH ARCHITECTURAL CEILING AND LIGHTING

4. SEE PLANS FOR NECK SIZE AND AIRFLOW RATE.

5. LAY-IN RETURN GRILLES OPEN TO PLENUM TO HAVE 22X22 NECK U.N.O. 6. PROVIDE WITH INSULATED BACK PAN.

CPL | Architecture Engineering Planning 6302 Fairview Road Suite 102, Charlotte, NC 28210 CPLteam.com

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SHEET INFORMATION

05/09/2024 NOT TO SCALE Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

**HVAC SCHEDULES** 

Drawing Title

- ALL ACCESSIBLE EQUIPMENT/FIXTURES TO BE INSTALLED PER ADA REQUIREMENTS.
- PLUMBING CONTRACTOR SHALL PROVIDE ALL RISERS, CARRIERS, P-TRAPS, STOPS, STRAINERS, TAIL PIECES, DRAINS, ETC. REQUIRED TO HAVE A COMPLETE INSTALLATION.

COORDINATE ALL ROUGHIN REQUIREMENTS FOR PLUMBING PIPING WITH CABINET/CASEWORK VENDOR.

				V	VATER	R HEATER	& ASS	OCIAT	ED EQ	UII	PMENT SCHEDULE	
SYMBOLS	DESCRIPTION	MANUFACTURER	MODEL	GAL CAP	KW	VOLT/PH/HZ.	FIRST HOUR RATING	GPH RECOVERY	BAS GE	EN	MANUFACTURER & MODEL NUMBER	NOTES
WH-1	WATER HEATER	RHEEM / RUDD	PROE30-S2-RH95-B	27	4500/ 4500	208/3/60	45 GAL	21 GPH @ 90 F RISE	NO NO		RHEEM / RUDD "PROFESSIONAL CLASSIC" LOWBOY ELECTRIC WATER HEATER. SEE WATER HEATER DETAIL 1/P000 ROUTE DRAIN PAN TO MOP BASIN	SEE NOTE 1 & 2
WH-2	WATER HEATER	RHEEM / RUDD	EX0P06PU14U0	2.5	1500	120/1/60	N/A	N/A	NO NO		RHEEM / RUDD "PERFORMANCE - POINT OF USE" LOWBOY ELECTRIC WATER HEATER. SEE WATER HEATER DETAIL 2/P000 ROUTE DRAIN PAN TO DISHWASHER CONNECTION AT SINK BELOW	SEE NOTE 1
WH-3	WATER HEATER	RHEEM / RUDD	EX0P06PU14U0	2.5	1500	120/1/60	N/A	N/A	NO NO		RHEEM / RUDD "PERFORMANCE - POINT OF USE" LOWBOY ELECTRIC WATER HEATER. SEE WATER HEATER DETAIL 2/P000 ROUTE DRAIN PAN TO DISHWASHER CONNECTION AT SINK BELOW	SEE NOTE 1
ET-1	EXPANSION TANK	AMTROL	ST-5C-DD	2.0	N/A	MAX ACCE FACTOR		N/A	NO NO	0	THER-X-TROL THERMAL EXPANSION TANK, FULL ACCEPTANCE BLADDER ST SERIES - <b>ASME</b> , 125 PSIG WORKING PRESSURE, CARBON STEEL CONSTRUCTION, HEAVY DUTY BUTYL BLADDER, STAINLESS STEEL CONNECTIONS, RED OXIDE PRIMER, SCHROEDER AIR VALVE WITH EPDM SEAT, WITH SIGHT GLASS, DESIGNED AND CONSTRUCTED PER ASME CODE SECTION VIII DIVISION 1.	SEE NOTE 1
ET-2	EXPANSION TANK	AMTROL	ST-5C-DD	2.0	N/A	MAX ACCE FACTOR	_	N/A	NO NO	0	THER-X-TROL THERMAL EXPANSION TANK, FULL ACCEPTANCE BLADDER ST SERIES - <b>ASME</b> , 125 PSIG WORKING PRESSURE, CARBON STEEL CONSTRUCTION, HEAVY DUTY BUTYL BLADDER, STAINLESS STEEL CONNECTIONS, RED OXIDE PRIMER, SCHROEDER AIR VALVE WITH EPDM SEAT, WITH SIGHT GLASS, DESIGNED AND CONSTRUCTED PER ASME CODE SECTION VIII DIVISION 1.	SEE NOTE 1
ET-3	EXPANSION TANK	AMTROL	ST-5C-DD	2.0	N/A	MAX ACCE FACTOR	_	N/A	NO NO	0	THER-X-TROL THERMAL EXPANSION TANK, FULL ACCEPTANCE BLADDER ST SERIES - <b>ASME</b> , 125 PSIG WORKING PRESSURE, CARBON STEEL CONSTRUCTION, HEAVY DUTY BUTYL BLADDER, STAINLESS STEEL CONNECTIONS, RED OXIDE PRIMER, SCHROEDER AIR VALVE WITH EPDM SEAT, WITH SIGHT GLASS, DESIGNED AND CONSTRUCTED PER ASME CODE SECTION VIII DIVISION 1.	SEE NOTE 1

1.) SEE PLANS FOR REQUIRED PIPE SIZES. 2.) PROVIDE VOLTAGE CONVERSATION KIT AS REQUIRED.

		PL	UMBING DRAINAGE SCHEDULE	
SYMBOLS	DESCRIPTION	LOCATION	MANUFACTURER & MODEL NUMBER	NOTES
FD-A	FLOOR DRAIN	existing restrooms	REPLACE EXISTING FLOOR DRAIN GRATE WITH NEW FLOOR NICKLE BRONZE GRATE.	
FD-B	FLOOR DRAIN	NEW RESTROOM ON 2ND FLOOR	MIFAB SERIES F1000-TS-3-7 (6" DIA.) ROUND TOP SET FINISHED FLOOR DRAIN WITH CAST IRON BODY, SECURING AND ADJUSTABLE HARDWARE, ALLEN KEY VANDAL RESISTANT STAINLESS STEEL SCREWS AND HEAVY DUTY HEEL PROOF STRAINER THAT CAN ADJUSTED VERTICALLY AND SIDE TO SIDE AFTER THE POUR WITH 1/2" THICK COMPOSITE STRAINER PROTECTIVE COVER AND INDICATING WISKER	
FCO	FLOOR CLEANOUT	INTERIOR OF BUILDING	MEDIUM DUTY CLEANOUTS SHALL BE CAST IRON BODY, ADJUSTABLE HOUSING, ROUND TOP, INSIDE CAULK, BRONZE PLUG, SOLID SATIN NIKALOY SECURED TOP; SMITH 4026. CLEANOUTS IN CARPETED AREAS SHALL HAVE CARPET MARKERS.	SEE NOTE 1
WCO	WALL CLEANOUT	INTERIOR OF BUILDING	MIFAB SERIES C1430-RD-4 OR 6 CAST BRASS CLEANOUT PLUG WITH ROUND, SMOOTH, STAINLESS STEEL ACCESS COVER ( 4 OR 6 INCH DIA.) AND 3-1/2" LANG ANCHOR SCREW.	SEE NOTE 1
СО	CLEANOUT	INTERIOR OF BUILDING	MIFAB THREADED BRONZE CLEANOUT PLUG AND 1/4" NPT ACCESS HEX HEAD PLUG.	SEE NOTE 1
SA-X	SHOCK ARESSTOR	AT EACH PLUMBING FIXTURE	MIFAB CL SERIES PISTON OPERATED WATER HAMMER ARRESTOR WITH HARD DRAWN SEAMLESS "K" COPPER BODY, RYTON PPS PISTON WITH DOUBLE O-RINGS (PARCO # 5778-80) AND CDA 360 BRASS MPT CONNECTIONS. CERTIFIED TO THE ASSE 1010-1196 AND ANSI A112.26.1 STANDARDS.	WATER HAMMER ARRESTORS SHALL SIZED PER MFG. RECOMMENDATIONS
DW	DISHWASHER CONNECTION	AT EACH BREAK ROOM SINK	PROVIDE DISHWASHER CONNECTION COMPATIBLE WITH THE SINK DRAIN PIPING, SHALL BE INSTALLED PRIOR TO P-TRAP.	
TP-1	TRAP PRIMER ELECTRIC SOLENOID TYPE	AT EACH CONDENSATE PTRAP	PRECISION PLUMBING PRODUCTS SOLO-PRIME ELECTRONIC TRAP PRIMING MANIFOLD MODEL SP-500-24V WITH INTERFACE WITH LOW VOLTAGE USED TO CONTROL THE (BMS) BUILDING MANAGEMENT SYSTEM, MECHANICAL CONTRACTOR TO PROVIDE THE 24V WIRING AND CONNECTION TO BMS.	SEE DETAIL 8/P801

1.) SEE PLANS FOR REQUIRED DRAIN PIPE SIZES.

#### PLUMBING SPECIFICATIONS

#### **EXISTING WASTE & WATER PIPING DOCUMENTATION**

THE CONTRACTOR SHALL FIELD SURVEY & CAMERA, TO DOCUMENT ALL LOCATIONS, SIZES, INVERTS, & CONDITION OF EXISTING WASTE & WATER PIPING. ANY AREAS OF CONCERN SHALL BE SHARED WITH THE OWNER, GENERAL CONTRACTOR & ENGINEER WITH THE ENGINEER IN AMPLE TIME FOR REVIEW PRIOR TO ANY NEW WORK BEGINNING. ALL VIDEO SHALL BE PROVIDED ON A FLASH DRIVE OR VIA FTP DIGITAL SUBMISSION, AND ARE TO BE ACCOMPANIED BY A VOICE DESCRIPTION OF THE PIPE SIZES AND LOCATIONS SHALL BE INCLUDED ON THE PROJECT AS-BUILT.

#### **DRAINAGE PIPING (SANITARY):**

ALL UNDERGROUND SANITARY & VENT PIPING SHALL BE SOLID CORE SCHEDULE 40 PVC-DWV PIPE AND FITTINGS SHALL BE MANUFACTURED FROM PVC COMPOUND WITH A CELL CLASS OF 12454 OF ASTM D 1784 AND CONFORM WITH NSF STANDARD 14. PIPE SHALL BE IRON PIPE SIZE (IPS) CONFORMING TO ASTM D 1785 AND ASTM D 2665 ALL PIPE AND FITTINGS TO BE PRODUCED BY A SINGLE MANUFACTURER AND ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODE REQUIREMENTS. THE SYSTEM SHALL BE HYDROSTATICALLY TESTED AFTER INSTALLATION TO 10 FT. OF HEAD (4.3 PSI MAXIMUM).

ALL ABOVE GROUND SANITARY & VENT PIPING SHALL BE HUBLESS CAST IRON PIPE AND FITTINGS SHALL BE MANUFACTURED FROM GRAY CAST IRON AND SHALL CONFORM TO ASTM A 888 AND CISPI STANDARD 301. ALL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE ® AND LISTED BY NSF® INTERNATIONAL. HUBLESS COUPLINGS SHALL BE **HUSKY 4000** STAINLESS WITH NEOPRENE GASKETS. CONFORM TO CISPI STANDARD 310, SHALL BE MANUFACTURED IN THE UNITED STATES, AND BE CERTIFIED BY NSF® INTERNATIONAL. HEAVY DUTY COUPLINGS SHALL CONFORM TO ASTM C 1540, SHALL BE MANUFACTURED IN THE UNITED STATES, AND SHALL BE USED IF INDICATED. GASKETS SHALL CONFORM TO ASTM C 564. ALL PIPE AND FITTINGS TO BE PRODUCED BY A SINGLE MANUFACTURER AND ARE TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODE REQUIREMENTS. COUPLINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S BAND TIGHTENING SEQUENCE AND TORQUE RECOMMENDATIONS. TIGHTEN BANDS WITH A PROPERLY CALIBRATED TORQUE LIMITING DEVICE. THE SYSTEM SHALL BE HYDROSTATICALLY TESTED AFTER INSTALLATION TO 10 FT. OF HEAD (4.3 PSI MAXIMUM).

NO DOUBLE COMBINATIONS ALLOWED.

ALL SEWER AND WATER PIPES SHALL BE INSTALLED IN SEPARATE TRENCHES, GRADED UNIFORMLY TO PROVIDE SOLID BEARING AND REQUIRED FALL. UPON COMPLETION OF THESE AND INSPECTIONS, BACKFILL WITH APPROVED MATERIAL IN 12" LIFTS, TAMPED TO 95% RELATIVE COMPACTION. LIFTS LESS THAT 12" ARE ALLOWED WITH ADEQUATE PROTECTION OF THE PIPE. LIFTS MORE THAN 12" MUST BE APPROVED BY THE ENGINEER.

FLUSH, CLEAN, AND SCOPE ALL BELOW SLAB WASTE PIPING WITH CAMERA PRIOR TO SLAB BEING POURED. CAMERA SCOPE SHALL BE TAKE PLACE IMMEDIATELY AFTER WATER HAS BEEN DRAINED FROM THE PIPE AND AFTER BACKFILL AND COMPACTION. PROVIDE VIDEO TO ENGINEER IN AMPLE TIME FOR REVIEW PRIOR TO ANY SCHEDULED SLAB POUR. CONTRACTOR SHALL REMOVE AND REPAIR PIPING TO A SATISFACTORY CONDITION. UPON COMPETITION OF THE PROJECT, THE CONTRACTOR SHALL CAMERA BELOW SLAB PIPE, AND PROVIDE VIDEO OF FINAL CONDITIONS WITH DESCRIPTION OF THE PIPE LOCATIONS TO THE OWNER THROUGH THE ARCHITECT. ALL VIDEO SHALL BE PROVIDED ON A FLASH DRIVE OR VIA FTP DIGITAL SUBMISSION, AND ARE TO BE ACCOMPANIED BY A VOICE DESCRIPTION OF THE PIPE SIZE AND LOCATION THAT MATCHES THE PIPING SHOWN ON THE PLUMBING DRAWINGS.

ALL ABOVE GROUND DOMESTIC WATER PIPING SHALL BE LEAD-FREE TYPE "L" COPPER WITH 95/5 SOLDER JOINTS WITH NSF 61 LABEL. ALL BELOW GROUND DOMESTIC WATER PIPING SHALL BE LEAD-FREE TYPE "K" SOFT COPPER WITH NOT JOINTS BELOW GRADE.

LEAD-FREE ALL BRONZE FULL PORT BALL VALVE WITH 2-1/4" STEM EXTENSION, MULTI-FILL MPTFE SEALS AND STEM PACKING, AND "SOLID BALL" DESIGN THAT DELIVERS TRUE FULL-PORT FLOW PERFORMANCE. ANSI/NSF 61-8 180 F (MECHANICAL DEVICES)

MSS SP-139 LEAD-FREE ALL BRONZE SWING "HORIZONTAL FLOW" ASTM B 62, THREADED, SOLDERED, AND PRESS, PTFE DISC.

CIRCUIT SOLVER SHALL REGULATE THE FLOW OF RETICULATED DOMESTIC HOT WATER BASED ON ENTERING TEMPERATURE THE CIRCUIT SOLVER ASSEMBLY REGARDLESS OF SYSTEM OPERATING PRESSURE. AS THE WATER TEMPERATURE INCREASES THE VALVE PROPORTIONAL CLOSES DYNAMICALLY ADJUSTING FLOW TO MEET THE SPECIFIED TEMPERATURE. NSF/ANSI 61 AND ZERO LEAD CONTENT CERTIFIED.

COVERINGS, SEALERS, MASTIC AND ADHESIVES) WITH FLAME-SPREAD RATING OF 25 OR LESS AND SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TEST BY ASTM E84 (NFPA 255) METHOD. INSULATION FOR PIPING AND FITTINGS SHALL BE FIBERGLASS WITH ALL SERVICE JACKET VAPOR

BARRIER CONSISTING OF WHITE KRAFT PAPER BONDED TO ALUMINUM FOIL, REINFORCED WITH

<u>PIPE INSULATION:</u>
FLAME/SMOKE RATINGS PRIVIES COMPOSITE PIPING INSULATION (INSULATION, JACKETS,

COLD WATER: HOT WATER:

FIBERGLASS YARN, SUITABLE FOR PAINTING.

1/2" THICK 1" THICK

**HANGERS-ISOLATORS:** HORIZONTAL LINES SHALL HAVE HANGERS AND RODS ADEQUATE FOR SIZE, MATERIAL, AND SERVICE, INCONSONANCE WITH PLUMBING CODE AND MANUFACTURER'S RECOMMENDATION, ALL HANGERS IN CONTACT WITH COPPER PIPING SHALL BE COPPER OR COPPER CLAD.

PROVIDE PIPE MARKERS ON PIPING OF THE FOLLOWING PIPING SYSTEM(S). FOR EACH SYSTEM IDENTIFIED USE BOLD LETTERING A MINIMUM OF 1/2" HIGH. PIPE MARKERS SHALL MATCH THE EXISTING COLOR SCHEME AND WORDING USED IN THE EXISTING BUILDING. IF A STANDARDIZED SYSTEM IS NOT UTILIZED, THEN THE FOLLOWING SHALL BE USED.

SYSTEM IDENTIFIED **HOT WATER** 

PIPE MARKER COLOR LETTERING COLOR BLACK (INDICATING TEMP) LOCATE PIPE MARKERS WHEREVER PIPING IS EXPOSED TO VIEW IN OCCUPIED SPACES, ACCESSIBLE

> SEE P201 FOR CLEANOUT MODIFICATIONS

DOMESTIC WATER MAIN

MAINTENANCE SPACES (SHAFTS, TUNNELS, PLENUMS) AND EXTERIOR NON-CONCEALED LOCATIONS, ON PIPING ABOVE REMOVABLE ACOUSTICAL CEILINGS, AND ALL OTHER AREAS SPACED INTERMEDIATELY AT MAXIMUM SPACING OF 50 FT ALONG EACH RUN, EXCEPT REDUCED SPACING TO 25 FT. IN CONGESTED AREAS OF PIPING AND EQUIPMENT. PRINT EACH PIPE MARKER WITH ARROWS INDICATING DIRECTION OF FLOW, EITHER INTEGRALLY WITH PIPING SYSTEM SERVICE LETTERING OR AS A SEPARATE UNIT.

EXISTING WATER METER & BACKFLOW DEVICE

FIRE STOP ALL PENETRATIONS BY PIPING OF EXISTING AND/OR NEW FIRE RATED WALLS, FLOORS, AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-84. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH AN 'F' RATING EQUAL TO THE RATING ASSEMBLY BEING PENETRATED.

#### PHIMRING / PIPING LEGEND

	WASTE PIPING (W) (SAN)  VENT PIPING (V)
	HOT WATER RETURN PIPING (HWR)
PD	PUMPED DRAINAGE (PD)
(AC)	ABOVE CEILING
(BS) HD	BELOW SLAB HUB DRAIN
	TEE OUTLET - UP
<del></del>	TEE OUTLET - DOWN
	CONNECTION - BOTTOM
	CONNECTION - TOP
0	ELBOW - TURNED UP
C	ELBOW - TURNED DOWN
E	- PIPE CAP
	- UNION
<del></del>	FLANGE
5	BALL VALVE
5 <sub>M</sub>	BALL VALVE WITH MEMORY STOP
<del></del>	BALANCING VALVE OR GAS PRV
<del></del>	- CHECK VALVE
——————————————————————————————————————	BUTTERFLY VALVE
<b>─</b> ──────	- GATE VALVE
	GLOBE VALVE
———I <b>4</b> ———	PLUG VALVE
P	PRESSURE RELIEF VALVE
₽ <sup>TP</sup>	TEMPERATURE-PRESSURE RELIEF VALVE
<u></u>	PRESSURE REDUCING VALVE
	COMBINATION VALVE (ISOLATION, CHECK, BALANCII
<del></del>	GAS PRESSURE REGULATOR
——————————————————————————————————————	HW BALANCING VALVES (BV-1)
CO ⊩——	CLEAN OUT
FCO / GCO O	FLOOR CLEAN OUT / GRADE CLEAN OUT
WCO ⊩ FD ◯	WALL CLEAN OUT FLOOR DRAIN
	FLOOK DRAIN
	DDESCUDE CAUCE
	PRESSURE GAUGE
	THERMOMETER STRAINER
<del></del>	- INLINE PUMP
—A	WATER HAMMER ARRESTER
RPZ	REDUCED PRESSURE ZONE

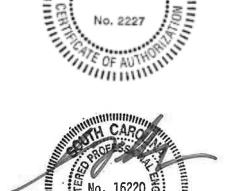
DOUBLE CHECK VALVE ASSEMBLY



R23.00720.00 YORK COUNTY, SC DISTRICT 3 SHERIFF'S OFFICE 236 Northpark Drive, Rock Hill, SC 29730

PROJECT INFORMATION

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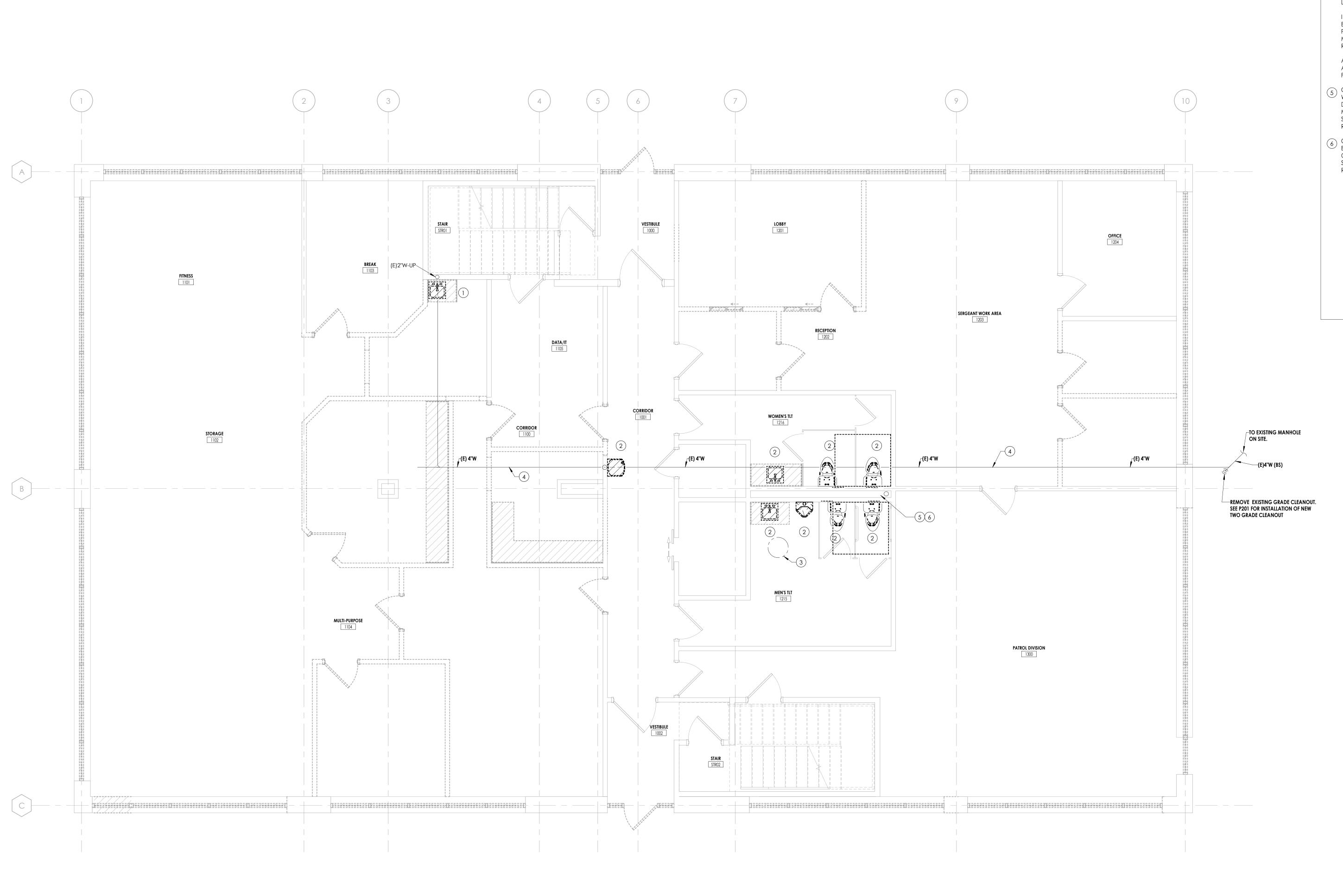
SHEET INFORMATION

05/09/2024 100% CONSTRUCTION DOCUMENTS

PLUMBING LEGEND, NOTES, & SYSTEM DIAGRAMS

P000

**EXISTING SITE UTILITY PLAN** 



TRUE NORTH

GENERAL NOTES

- A. REFER TO P000 FOR LEGEND, SCHEDULES, GENERAL NOTES, & SPECIFICATIONS.
- B. CONTRACTOR SHALL CONFIRM ALL THE EXISTING BUILDING PLUMBING PIPE ROUTING IN THE FIELD.
- C. ALL WORK SHALL COMPLY WITH SOUTH CAROLINA PLUMBING CODE, LOCAL, & OWNER REQUIREMENTS.
- D. COORDINATE ANY SYSTEM SHUT-DOWN A MINIMUM OF 24 HOURS IN ADVANCE.
- E. COORDINATE ALL PHASING REQUIREMENTS WITH GENERAL CONTRACTOR &

### **KEY NOTES - DEMOLITION**

- REMOVE FIXTURE AND ALL ASSOCIATED PIPING AND SUPPORTS. CAP SANITARY PIPING BELOW FLOOR. CAP VENT PIPING ABOVE CEILING. REMOVE WATER PIPING BACK TO NEAREST LIVE MAIN AND CAP. REMOVE ALL PIPING SUCH THAT LIMITED DEAD END PIPING REMAINS BUT ALL REMAINING BUILDING FIXTURES HAVE NECESSARY PIPING. PATCH ALL DISTURBED SURFACES TO MATCH EXISTING.
- REMOVE FIXTURE AND MAINTAIN PIPING FOR NEW FIXTURE TO BE INSTALLED IN SIMILAR LOCATION.
- (3) EXISTING 10 GALLON WATER HEATER TO REMAIN.
- CONTRACTOR SHALL PROVIDE FIELD INVESTIGATION & CAMERA DOCUMENTATION OF ALL PLUMBING SYSTEMS WITH IN EXISTING BUILDING TO LOCATE, SIZES, & CONDITION OF ALL SYSTEMS.
- IF ANY OF THE EXISTING PLUMBING PIPING THAT IS INSUFFICIENT SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR FOR RESOLUTION PRIOR TO BEGINNING ANY NEW WORK. CONTRACTOR SHALL INCLUDE REDLINE MARKUPS INDICATING ROUTING OF ALL PLUMBING SYSTEMS AS PART OF THE RECORD DRAWINGS.
- ALL CAMERA RECORDED INFORMATION SHALL BE PROVIDED ON A FLASH DRIVE AND VIA FTP DIGITAL SUBMISSION INCLUDING A VOICE DESCRIPTION OF THE FINDINGS.
- ONTRACTOR SHALL CONFIRM WITH THE LOCAL AUTHORITIES THE DOMESTIC WATER SYSTEM IS CURRENTLY PROTECTED WITH THE REQUIRED BACKFLOW DEVICE PER LOCAL WATER PURVEYOR REQUIREMENTS. (NOTE: THE DEVICE MAYBE LOCATED INSIDE OR OUTSIDE THE BUILDING.) IF FOUND INSUFFICIENT IT SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR FOR RESOLUTION PRIOR TO BEGINNING ANY NEW WORK.
- CONTRACTOR SHALL CONFIRM THAT THE EXISTING WATER PRESSURE WITHIN THE BUILDING IS SUFFICIENT TO PROVIDE THE REQUIRED WATER PRESSURE TO OPERATE THE PLUMBING FIXTURES ADEQUATELY. IF FOUND INSUFFICIENT IT SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR FOR RESOLUTION PRIOR TO BEGINNING ANY NEW WORK.

PROJECT INFORMATION

R23.00720.00
Client Name

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

CPL | Architecture Engineering Planning 6302 Fairview Road Suite 102, Charlotte, NC 28210 CPLteam.com

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

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Issued Scale
05/09/2024 As indicated
Project Status
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Drawing Title
FIRST FLOOR - PLUMBING DEMOLITION

Drawing Number

101

STAIR STR 01 **BREAK** 2108 INVESTIGATORS
2105

4 5 6

1 SECOND FLOOR - PLUMBING - DEMOLITION
P102 1/4" = 1'-0"

TRUE
NORTH

### GENERAL NOTES

- A. REFER TO P000 FOR LEGEND, SCHEDULES, GENERAL NOTES, & SPECIFICATIONS.
- B. CONTRACTOR SHALL CONFIRM ALL THE EXISTING BUILDING PLUMBING PIPE ROUTING IN THE FIELD.
- C. ALL WORK SHALL COMPLY WITH SOUTH CAROLINA PLUMBING CODE, LOCAL, & OWNER REQUIREMENTS.
- D. COORDINATE ANY SYSTEM SHUT-DOWN A MINIMUM OF 24 HOURS IN ADVANCE.E. COORDINATE ALL PHASING REQUIREMENTS WITH GENERAL CONTRACTOR &

## **KEY NOTES - DEMOLITION**

- 1 NOT USED
- 2 REMOVE FIXTURE AND MAINTAIN PIPING FOR NEW FIXTURE TO BE INSTALLED IN SIMILAR LOCATION.
- (3) EXISTING 10 GALLON WATER HEATER TO REMAIN.

PROJECT INFORMATION
Project Number

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Client Name

Project Name

YORK COUNTY, SC

Project Address 236 Northpark Drive, Rock Hill, SC 29730

DISTRICT 3 SHERIFF'S OFFICE

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PROJECT ISSUE & REVISION SCHEDULE

# Date Description

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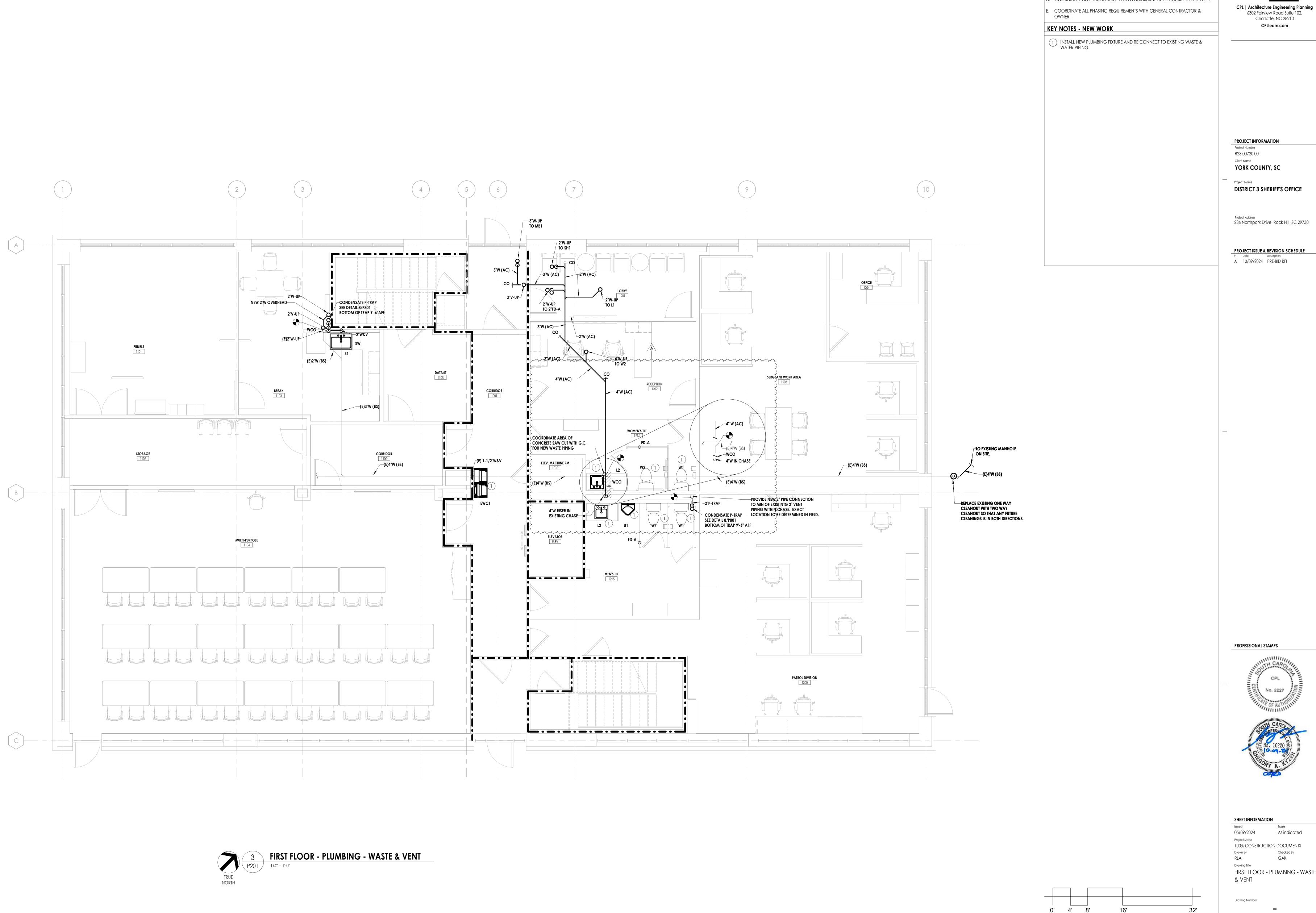
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Drawing Title
SECOND FLOOR - PLUMBING DEMOLITION

Drawing Number

P102



- A. REFER TO P000 FOR LEGEND, SCHEDULES, GENERAL NOTES, & SPECIFICATIONS. B. ALL WORK SHALL COMPLY WITH SOUTH CAROLINA PLUMBING CODE, LOCAL, & OWNER REQUIREMENTS.
- C. CONTRACTOR SHALL CONFIRM LOCATION & SIZES OF ALL EXISTING WASTE, VENT, & WATER PIPING TO STARTING WORK. SEE NOTE B ON PLUMBING DEMOLITION
- D. COORDINATE ANY SYSTEM SHUT-DOWN A MINIMUM OF 24 HOURS IN ADVANCE.

PROJECT INFORMATION

R23.00720.00 YORK COUNTY, SC

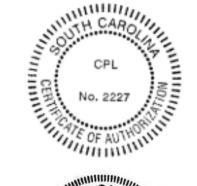
Project Name

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Charlotte, NC 28210 CPLteam.com

# Date Description A 10/09/2024 PRE-BID RFI

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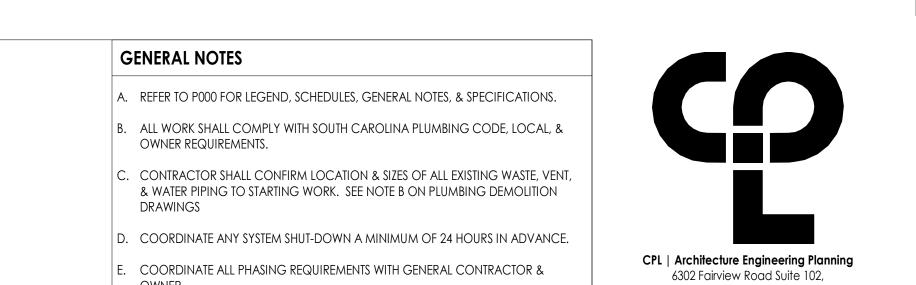




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FIRST FLOOR - PLUMBING - WASTE & VENT





OWNER.

1) INSTALL NEW PLUMBING FIXTURE AND CONNECT TO EXISTING WASTE & WATER

PROJECT INFORMATION

R23.00720.00 Client Name

Project Name

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

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PROJECT ISSUE & REVISION SCHEDULE

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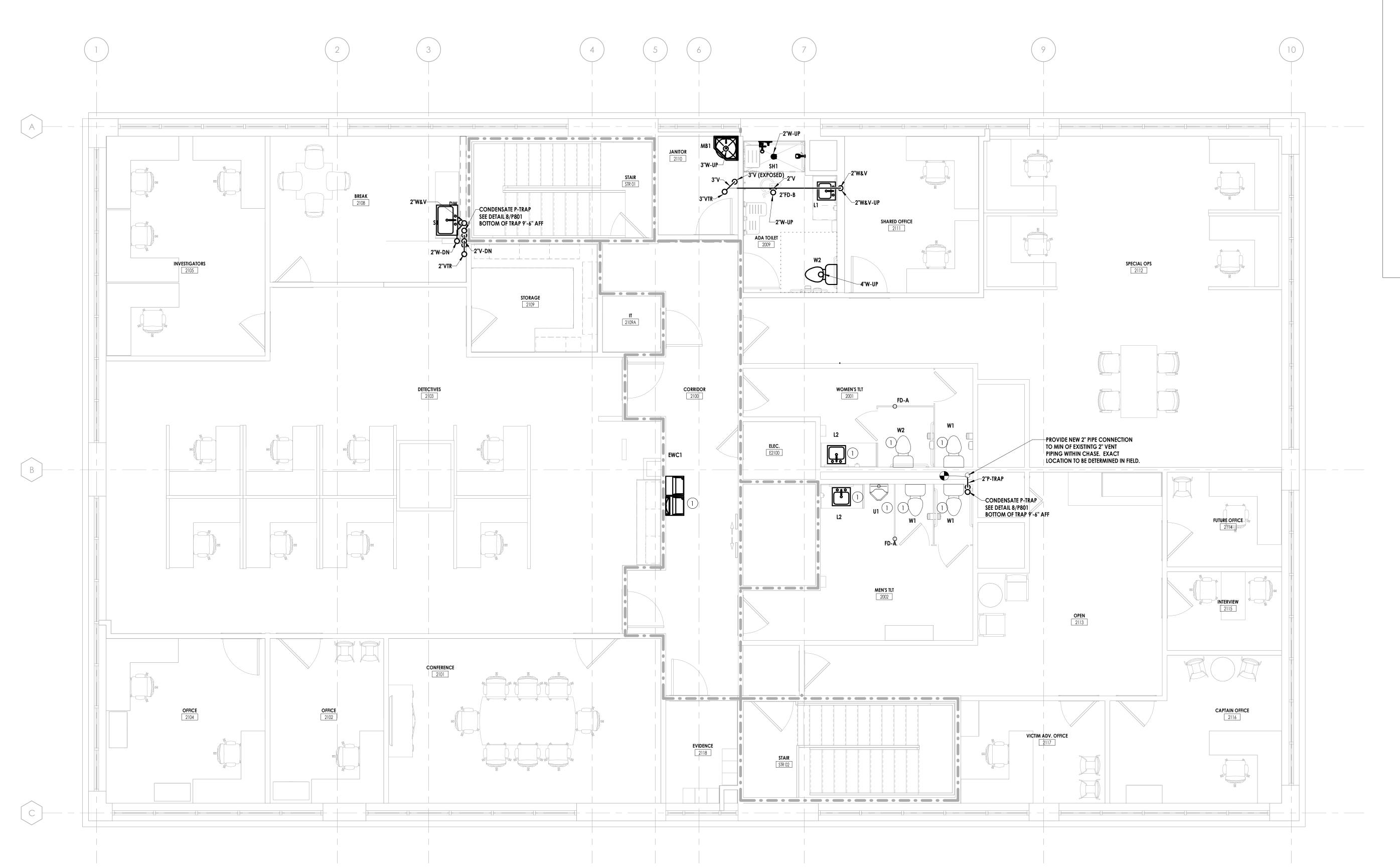
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Issued Scale
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Project Status
100% CONSTRUCTION DOCUMENTS
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SECOND FLOOR - PLUMBING -WASTE & VENT

Drawing Number

P202



# GENERAL NOTES A. REFER TO P000 FOR LEGEND, SCHEDULES, GENERAL NOTES, & SPECIFICATIONS. B. ALL WORK SHALL COMPLY WITH SOUTH CAROLINA PLUMBING CODE, LOCAL, & OWNER REQUIREMENTS. C. CONTRACTOR SHALL CONFIRM LOCATION & SIZES OF ALL EXISTING WASTE, VENT, & WATER PIPING TO STARTING WORK. SEE NOTE B ON PLUMBING DEMOLITION D. COORDINATE ANY SYSTEM SHUT-DOWN A MINIMUM OF 24 HOURS IN ADVANCE. CPL | Architecture Engineering Planning

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PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

R23.00720.00

Project Name

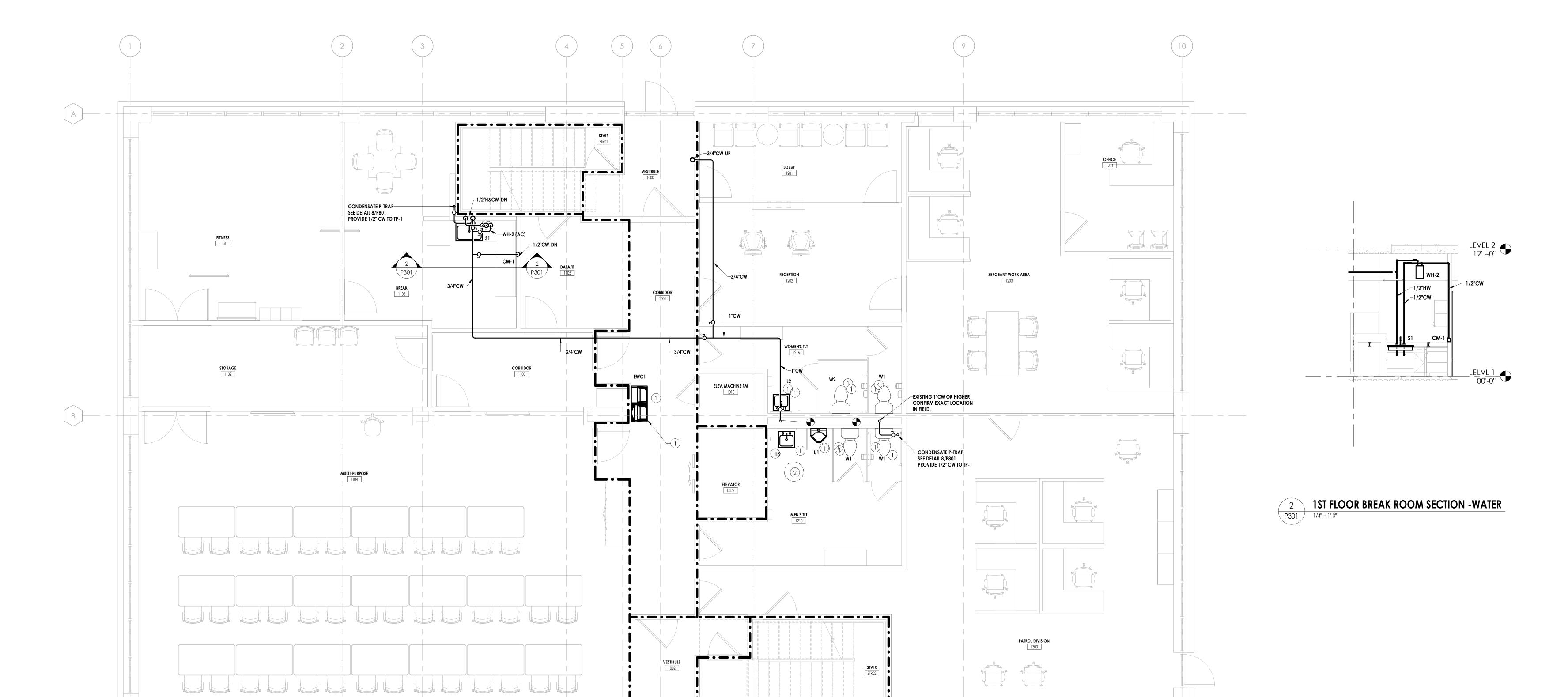
# KEY NOTES

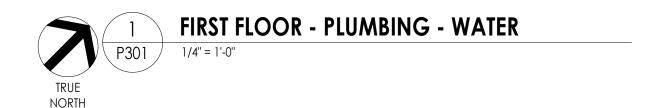
OWNER.

PROVIDE NEW PLUMBING FIXTURE & RECONNECT TO EXISTING WASTE & WATER

COORDINATE ALL PHASING REQUIREMENTS WITH GENERAL CONTRACTOR &

(2) EXISTING 10 GAL. WATER HEATER TO REMAIN.





PROFESSIONAL STAMPS





SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS

FIRST FLOOR - PLUMBING - WATER

- A. REFER TO P000 FOR LEGEND, SCHEDULES, GENERAL NOTES, & SPECIFICATIONS. B. ALL WORK SHALL COMPLY WITH SOUTH CAROLINA PLUMBING CODE, LOCAL, & OWNER REQUIREMENTS.
- C. CONTRACTOR SHALL CONFIRM LOCATION & SIZES OF ALL EXISTING WASTE, VENT, & WATER PIPING TO STARTING WORK. SEE NOTE B ON PLUMBING DEMOLITION
- D. COORDINATE ANY SYSTEM SHUT-DOWN A MINIMUM OF 24 HOURS IN ADVANCE.
- E. COORDINATE ALL PHASING REQUIREMENTS WITH GENERAL CONTRACTOR & OWNER.

#### KEY NOTES

- PROVIDE NEW PLUMBING FIXTURE CONNECTION TO EXISTING WASTE & WATER
- 2) EXISTING 10 GALLON WATER HEATER TO REMAIN.

R23.00720.00 YORK COUNTY, SC

PROJECT INFORMATION

Project Name

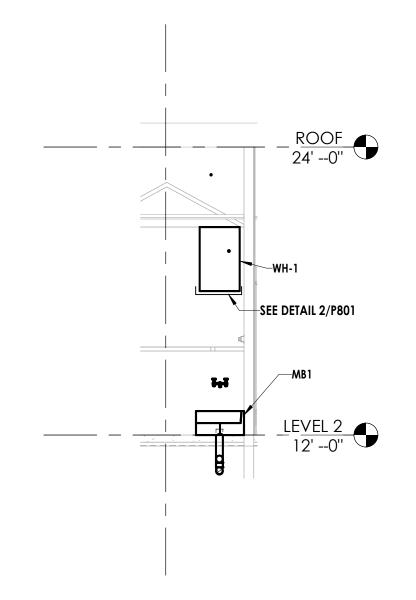
DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

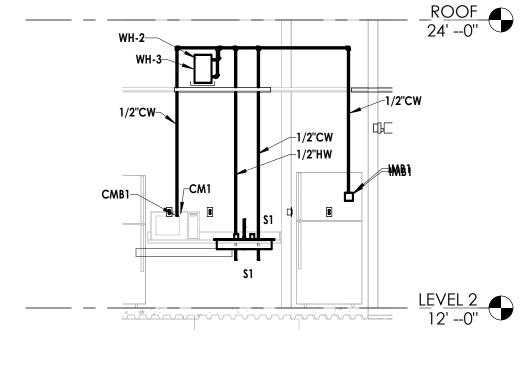
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PROJECT ISSUE & REVISION SCHEDULE



3 WH-1 OVER MOP BASIN
P302 NO SCALE



2 LEVEL 2 BREAK ROOM
P302 NO SCALE

PROFESSIONAL STAMPS

SHEET INFORMATION 05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawing Title SECOND FLOOR - PLUMBING -

Drawing Number

P302

SECOND FLOOR PLAN - PLUMBING - WATER

EXISTING 1"CW OR HIGHER CONFIRM EXACT LOCATION IN FIELD.

CONDENSATE P-TRAP SEE DETAIL 8/P801 BOTTOM OF TRAP 9'-6" AFF

**OPEN** 2113

SHARED OFFICE

CONDENSATE P-TRAP
SEE DETAIL 8/P801
PROVIDE 1/2" CW TO TP-1

**IT** 2109A

CORRIDOR 2100

1/2"CW-

В





PROJECT INFORMATION

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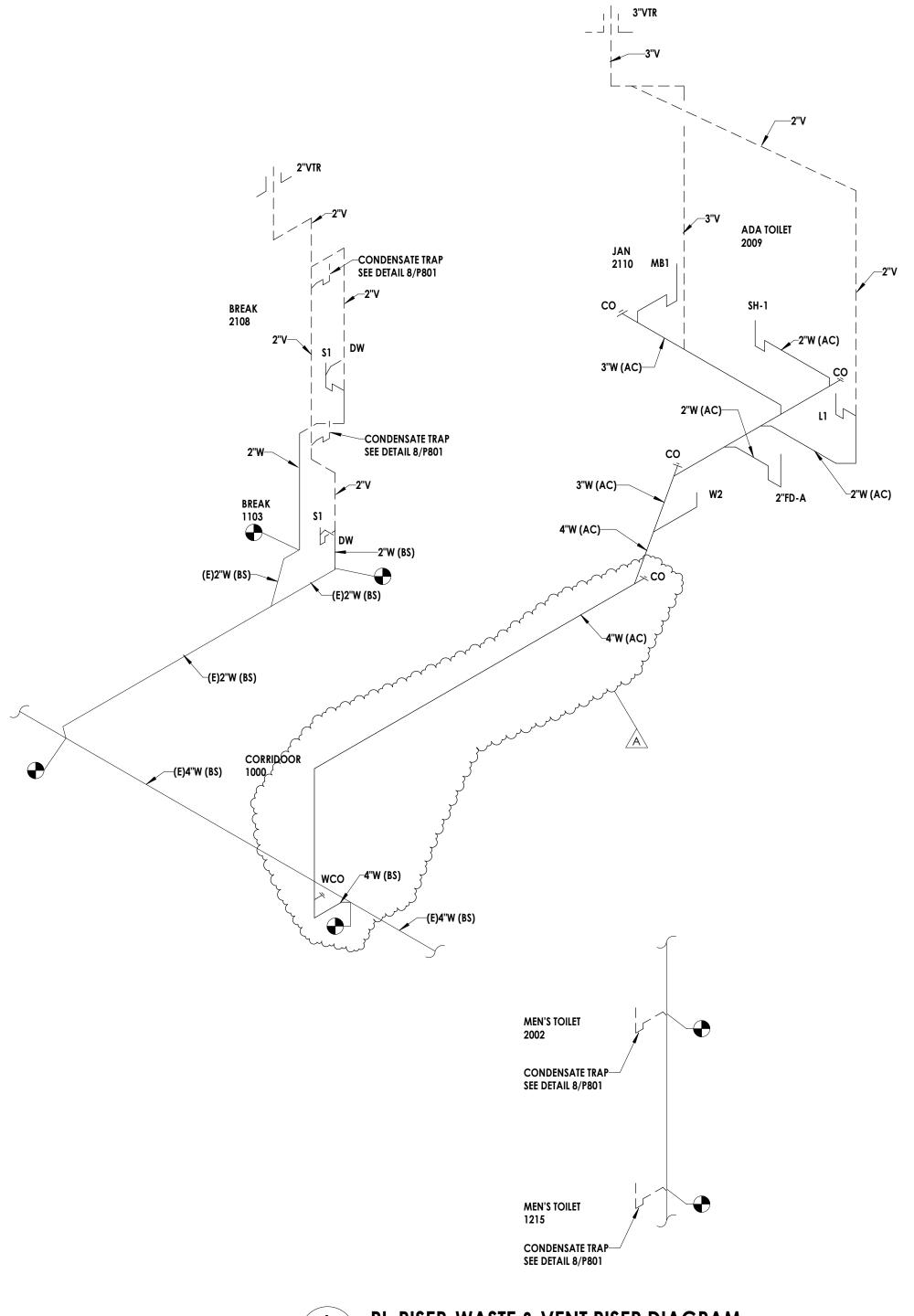
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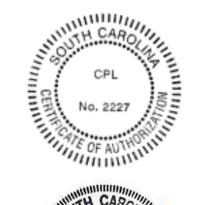
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PT01 PL-RISER-WASTE & VENT RISER DIAGRAM
NO SCALE

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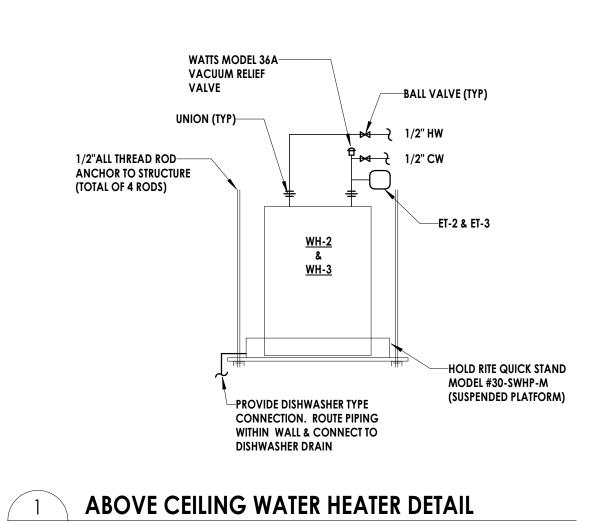
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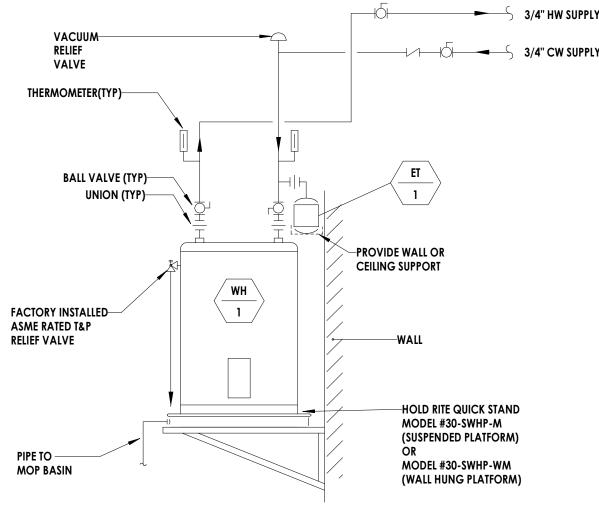
Issued Scale
05/09/2024 NO SCALE
Project Status
100% CONSTRUCTION DOCUMENTS
Drawn By Checked By
RLA GAK

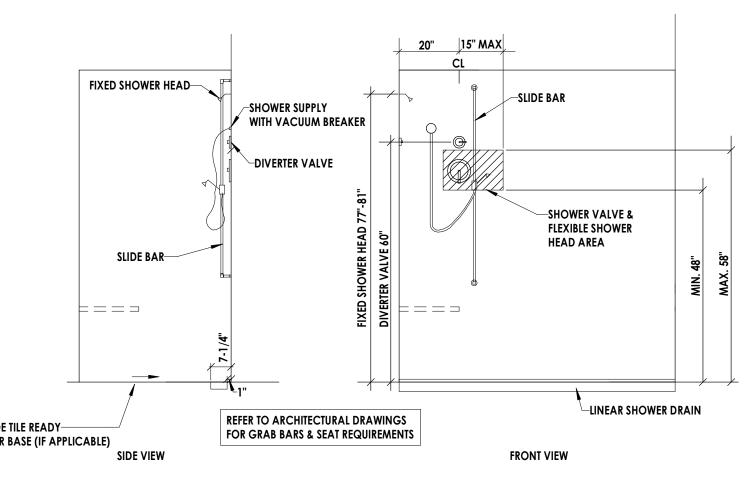
PLUMBING RISER DIAGRAMS

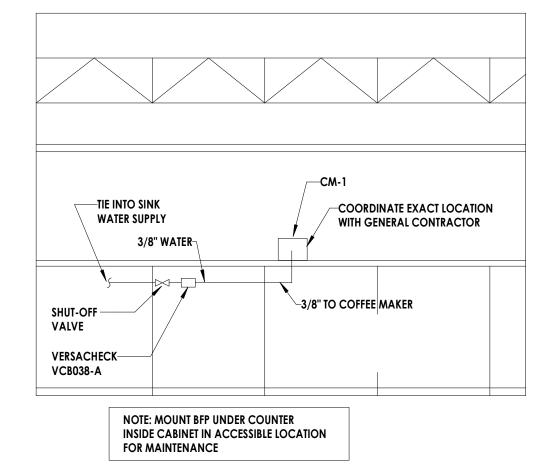
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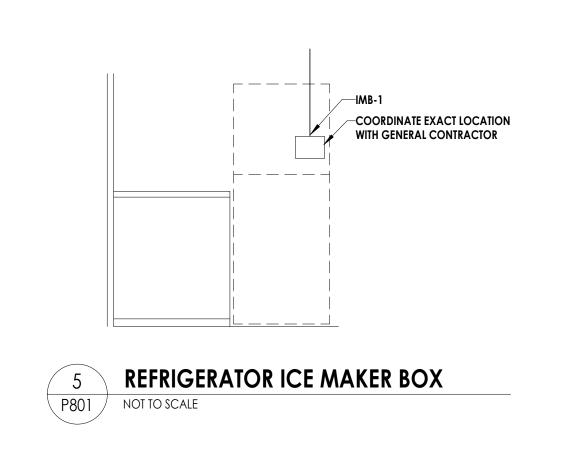


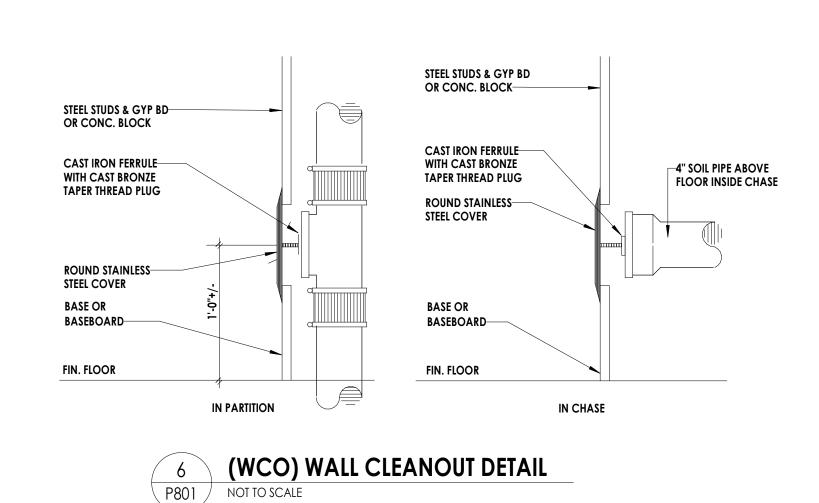


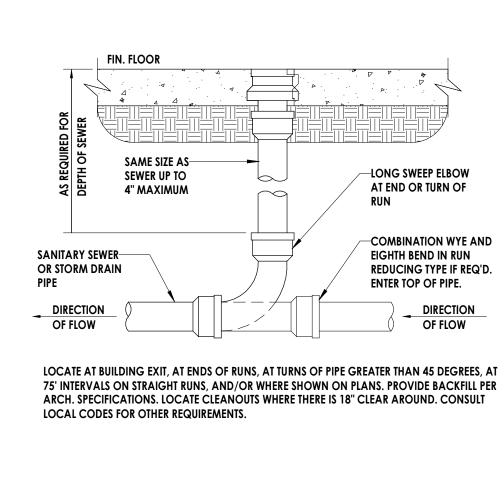


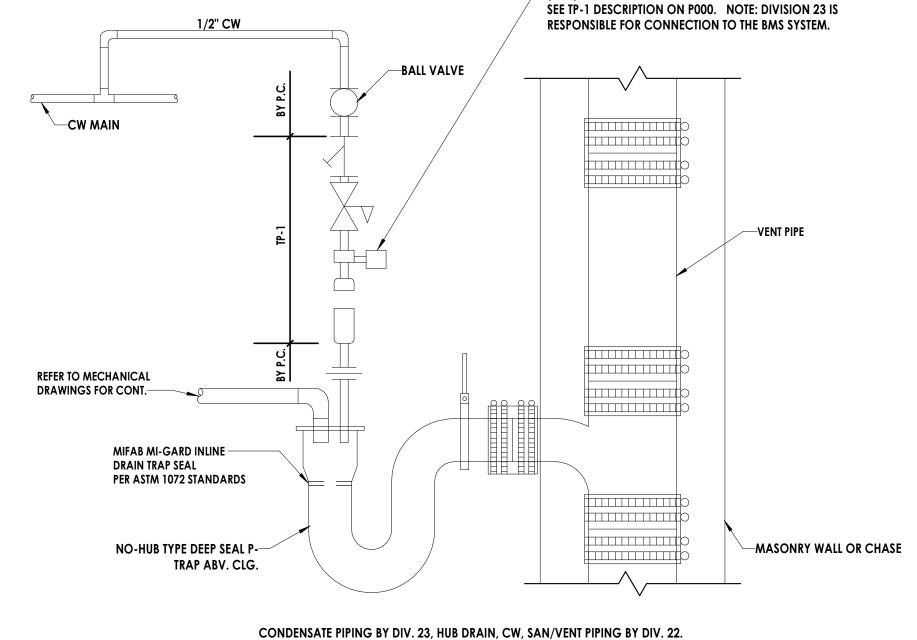








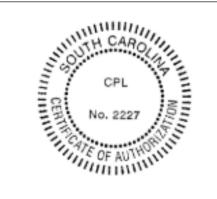




(TP-1) ELECTRONIC SOLENOID TYPE TRAP PRIMER TIED INTO BMS.



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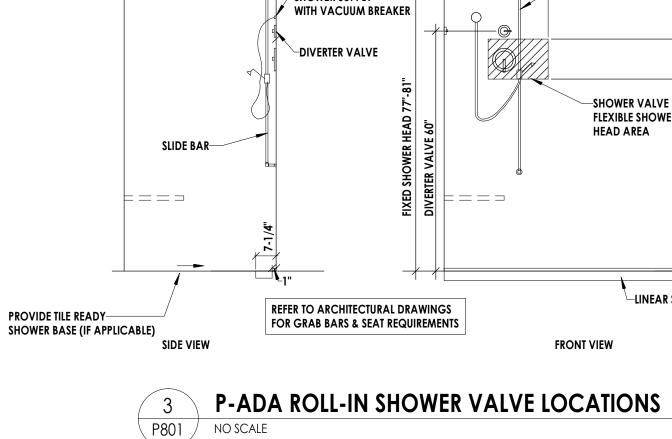


SHEET INFORMATION 05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By Checked By Drawing Title PLUMBING DETAILS

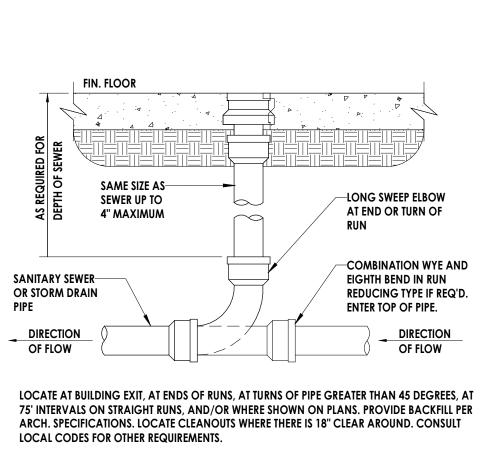
Drawing Number

→ 3/4" HW SUPPLY 3/4" CW SUPPLY FACTORY INSTALLED—ASME RATED T&P **RELIEF VALVE** 

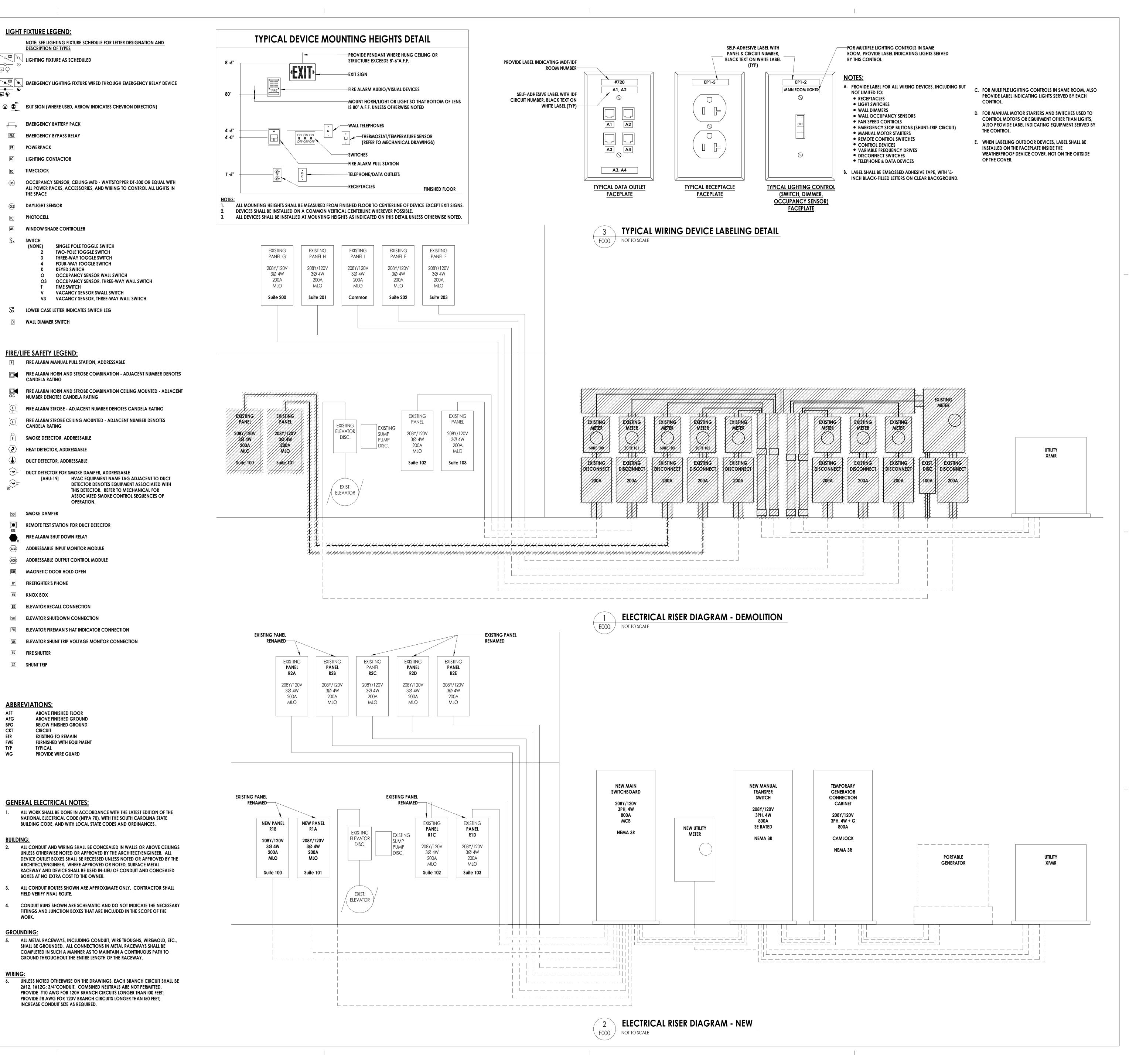












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ELECTRICAL SYMBOLS LEGEND

NOTES & SYSTEM DIAGRAMS

As indicated

Checked By

MSR

05/09/2024

Project Status

Drawn By

Drawing Title

Drawing Number

JMH

Project Number

Project Name

R23.00720.00

**WIRING LEGEND:** 

FB FLOOR BOX

PT POKE-THRU

TP TELE-POWER POLE

SIMPLEX RECEPTACLE

**⊕** ⊕∗ DUPLEX/QUADRUPLEX RECEPTACLE

NOTE: ALL RECEPTACLES TO BE TAMPER-RESISTANT

RECESSED FLOOR MOUNTED DUPLEX/QUADRUPLEX RECEPTACLE

SPECIAL RECEPTACLE - NEMA IDENTIFICATION LISTED ON PLANS

DUPLEX RECEPTACLE

WP WEATHER PROOF "WHILE IN USE"

COUNTER HEIGHT OR 48" AFF

GFI GROUND FAULT CIRCUIT INTERRUPTER

USB (TYPE A/TYPE C) UNIVERSAL SERIAL BUS OUTLETS WITH

RECESSED MONITOR WALL BOX WITH ONE DUPLEX RECEPTACLE OUTLET

PROVIDE BLANK-FACE GFI DEVICE ABOVE COUNTER TO FEED-THROUGH

AS GFI PROTECTED BY REMOTE DEVICE ABOVE COUNTER. GFI IS

REQUIRED TO BE READILY ACCESSIBLE PER NEC.

AND PROTECT UNDERCOUNTER OR OBSTRUCTED RECEPTACLE. LABEL GFI

DEVICE WITH EQUIPMENT NAME (E.G., "UC REFRIG"). LABEL RECEPTACLE

CEILING MOUNTED DUPLEX/QUADRUPLEX RECEPTACLE

TR TAMPER RESISTANT

WR WEATHER RESISTANT

AND ONE HDMI/DATA OUTLET

HAND DRYER POWER CONNECTION

S<sub>M</sub> HEAVY-DUTY MOTOR-RATED SWITCH

XXA : DISCONNECT SWITCH, AMP RATING INDICATED

\*60A FUSE SIZE

3P POLES

VARIABLE FREQUENCY DRIVE

DISCONNECT SWITCH, FUSED, AMP RATING INDICATED

SN SOLID NEUTRAL

EXAMPLE: 60A/3P/0

O NEMA STARTER SIZE

OMBINATION MAGNETIC MOTOR STARTER, NEMA SIZE INDICATED

VFD COMBINATION VARIABLE FREQUENCY DRIVE AND DISCONNECT

LPA-6 BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER

REQUIRED FOR CIRCUITING AND SWITCHING AS REQUIRED

UNLESS NOTED OTHERWISE ON DRAWINGS, FOR EACH COMMUNICATIONS OUTLET

WITH PULL CORD: WHERE NOTES 'DG' PROVIDE DOUBLE-GANG BOX WITH DOUBLE-

GANG MUDRING, WITH 1-1/2" CONDUIT WITH PULL CORD, STUBBED 90° TO NEAREST

CABLE TRAY ABOVE ACCESSIBLE DROP CEILING IN CORRIDOR. PROVIDE NYLON

\* COMBINATION TELEPHONE/DATA OUTLET - STANDARD SINGLE-GANG

CEILING MOUNTED TELEPHONE/DATA DEVICE

| HDMI OUTLET, 18" AFF UNLESS NOTED OTHERWISE

CORRIDOR. PROVIDE NYLON BUSHING ON CONDUIT END.

CR CARD READER, 48" AFF UNLESS NOTED OTHERWISE

KP KEYPAD WITH CARD READER, 48" AFF UNLESS NOTED OTHERWISE

LATCH RETRACTION - COORDINATE WITH DOOR HARDWARE

MAGNETIC LOCK - COORDINATE WITH DOOR HARDWARE

REQUEST TO EXIT - COORDINATE WITH DOOR HARDWARE

ES ELECTRIC STRIKE OR HINGE - COORDINATE WITH DOOR HARDWARE

DOOR CONTACT SWITCH - - COORDINATE WITH DOOR HARDWARE

**&** AUTOMATIC DOOR 'WAVE TO OPEN' PUSH PLATE, HANDICAP ACCESSIBLE

NAC NOTIFICATION APPLIANCE CIRCUIT PANEL

ACCESS CONTROL - WITH ADA DOOR OPERATOR)

WIRELESS ACCESS POINT

**SECURITY LEGEND:** 

SECURITY CAMERA

MS MOTION SENSOR

PANIC BUTTON

**PANEL LEGEND:** 

DI DOOR INTERCOM STATION

ELECTRICAL PANEL, TYPE AS SCHEDULED

ELECTRICAL SYSTEMS CONTROL PANEL

SPD SURGE PROTECTION DEVICE

TIME SWITCH, 7-DAY, SPST

FACP FIRE ALARM CONTROL PANEL FAAP FIRE ALARM ANNUNCIATOR PANEL

ACP ACCESS CONTROL PANEL

SCP SECURITY CONTROL PANEL

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS

MAY NOT BE USED FOR THIS PROJECT.

BMS BUILDING MANAGEMENT SYSTEM

CEILING/WALL MOUNTED SPEAKER

BOX WITH 2 CABLES PER OUTLET, 18" AFF UNLESS NOTED OTHERWISE COUNTER OR 48" AFF

> DOUBLE-GANG BOX PRESS FEED CONNECTION

CATV OUTLET - PROVIDE TYPE F CONNECTOR WITH RG6/4 CABLING TO

UNLESS NOTED OTHERWISE ON DRAWINGS, FOR EACH SECURITY DEVICE BELOW,

PROVIDE SINGLE-GANG BOX WITH SINGLE-GANG MUDRING, WITH 1" CONDUIT WITH

FOR DOOR HARDWARE, REFER TO DETAIL 2/E400 (TYPICAL DOOR PREPARATION FOR

PULL CORD STUBBED 90° TO NEAREST CABLE TRAY ABOVE ACCESSIBLE DROP CEILING IN

CATV PANEL/RACK, 72" AFF UNLESS NOTED OTHERWISE

DENOTES QUANTITY OF PORTS

BELOW, PROVIDE SINGLE-GANG BOX WITH SINGLE-GANG MUDRING, WITH 1" CONDUIT

LIGHTING PLANS: LOW-VOLTAGE WIRING

OTHER PLANS: CONDUIT BELOW SLAB OR GRADE

BRANCH CIRCUIT WIRING, PROVIDE QUANTITIES OF CONDUCTORS

EMERGENCY SHUTDOWN "MUSHROOM-HEAD" PUSHBUTTON WITH COVER

40AF FUSE SIZE (IF FUSIBLE) NF NON-FUSED (IF NOT FUSIBLE)

HARDWIRE CONNECTION

MANUAL MOTOR STARTER

EF-1 MOTOR WITH DESIGNATOR

**COMMUNICATIONS LEGEND:** 

BUSHING ON CONDUIT END.

J J JUNCTION BOX

**──** •

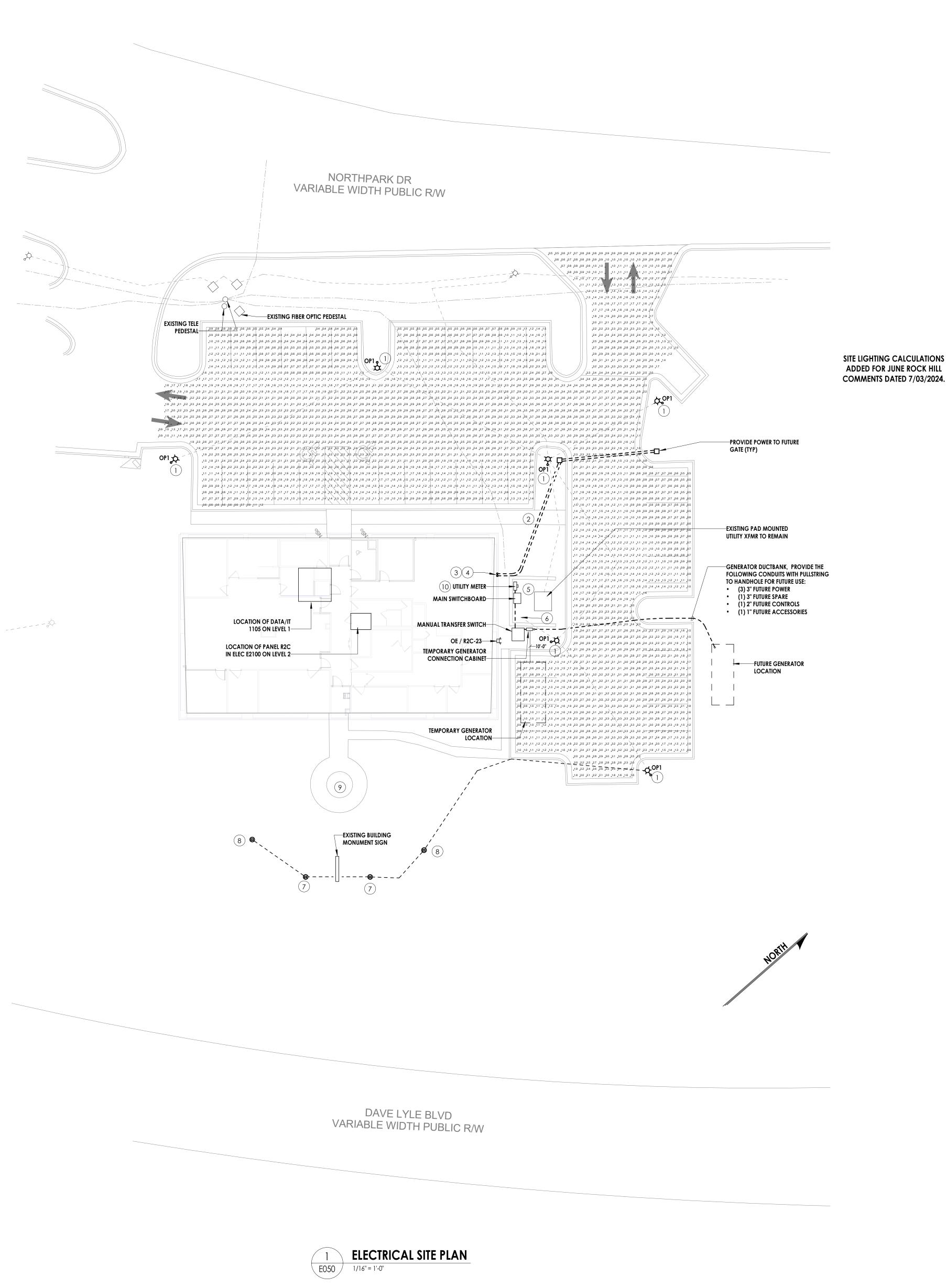
 $\mathbf{P}$ 

PLUG MOLD; SURFACE RACEWAY, 2-CHANNEL

		SITE LUMINAIRE SO	CHEDULE						
MARK	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	WATTS	LUMENS	TYPE	MOUNTING	REMARKS
OE	LED EMERGENCY BATTERY UNIT, IMPACT-RESISTANT THERMOPLASTIC GRAY HOUSING, 90 MINUTE SEALED, MAINTENANCE-FREE NI-CAD BATTERY, UL LISTED FOR WET LOCATIONS, UL924 LISTED	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	WLTU NI-CAD	120-277	10	-	-	WALL MOUNT AT 9'-0" AFG	-
OP1	LED AREA LUMINAIRE, ALUMINUM HOUSING, ACRYLIC LENS WITH TYPE 4 DISTRIBUTION WITH HOUSE SIDE SHIELD, UL LISTED FOR WET LOCATIONS	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	RSX1 LED-P2-40K-R4-MVOLT- RPA-HS-DDBXD	MVOLT	72	9972	4000K LED	SURFACE	1

#### SITE LUMINAIRE SCHEDULE REMARKS

1. MATCH LUMINAIRE TO EXISTING POLE FINISH. COORDINATE PRIOR TO ORDERING



### X GENERAL SITE NOTES:

- A. CONDUIT LINES SHALL HAVE A CONTINUOUS SLOPE DOWNWARD AND AWAY FROM EQUIPMENT SO THAT WATER WILL FLOW AWAY FROM THE EQUIPMENT. TRENCHES SHALL BE EXCAVATED ALONG STRAIGHT LINES BEFORE CONDUITS ARE LAID SO THAT THE ELEVATION CAN BE ADJUSTED, IF NECESSARY, TO AVOID UNSEEN OBSTRUCTIONS. MANUFACTURED BENDS SHALL HAVE A MINIMUM RADIUS OF 48" FOR UTILITY SERVICE CONDUITS, 36" FOR OTHER CONDUITS.
- B. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH THE CABLE INSULATION OR OTHER COMPONENTS.
- C. CONTRACTOR SHALL NOT COMMENCE EXCAVATION OR DIGGING UNTIL AFTER CONTRACTOR HAS HAD UTILITY LOCATING SERVICES LOCATE AND IDENTIFY ALL EXISTING UNDERGROUND UTILITIES AND OTHER SYSTEMS. DAMAGE CAUSED TO EXISTING SYSTEMS SHALL BE REPAIRED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.
- D. COORDINATE WITH CIVIL AND ARCHITECTURAL PLANS.
- E. ALL EMPTY CONDUITS SHALL INCLUDE PULL-STRING.

COORDINATE WITH ARCHITECT.

#### X SITE PLAN NOTES:

- 1. DISCONNECT AND REMOVE EXISTING POLE MOUNTED FIXTURE. RETAIN CONDUIT/WIRING FOR CONNECTION TO NEW.
- 2. PATCH AND REPAIR EXISTING SIDEWALK AND GRADE WHERE DISTUBED DUE TO CONDUIT ROUTINGS.
- 3. ROUTE ONE(1) 1/2" CONDUIT FOR POWER ABOVE CEILING AND OVER TO PANEL R2C IN ELEC E2100. PAINT CONDUITS TO MATCH SIDE OF BUILDING.
- 4. ROUTE ONE(1) 2" CONDUIT FOR DATA ABOVE CEILING AND OVER TO DATA/IT 1105. PAINT CONDUITS TO MATCH SIDE OF BUILDING. COORDINATE WITH
- 5. MAINTAIN NEC REQUIRED CLEARANCES BETWEEN NEW EQUIPMENT AND EXISTING UTILITY TRANSFORMER.
- 6. INTERCEPT EXISTING SITE LIGHTING CIRCUITS (R2C-13/15/17) AND MAINTAIN CONNECTIONS TO EXISTING PANEL. EXTEND WIRING AS REQUIRED. WIRING SIZE TO MATCH EXISTING.
- 7. DISCONNECT AND REMOVE EXISTING SIGN LUMINAIRES. MAINTAIN CIRCUIT (R2C-21) FOR RECONNECTION TO NEW LUMINAIRE. EXTEND WIRING AS REQUIRED.
- 8. <u>BASE BID:</u> DISCONNECT AND REMOVE EXISTING SITE FIXTURE. ABANDON EXISTING CONDUIT AND WIRING IN PLACE. TURN OFF EXISTING CIRCUIT BREAKER (R2C-23) AND LABEL AS "SPARE" IN PANEL DIRECTORY. PROVIDE BLANK COVER ON JUNCTION BOX(ES) LABELED "SPARE - NOT IN USE". **BID ALTERNATE:** DISCONNECT AND REMOVE EXISTING SITE FIXTURE, WIRING AND CONDUIT IN ITS ENTIRETY. TURN OFF EXISTING CIRCUIT BREAKER (R2C-23) AND LABEL AS "SPARE" IN PANEL DIRECTORY.
- BASE BID: DISCONNECT AND REMOVE EXISTING POWER CONNECTIONS TO FOUNTAIN. ABANDON EXISTING CONDUIT AND WIRING IN PLACE. TURN OFF EXISTING CIRCUIT BREAKER AND LABEL AS "SPARE" IN PANEL DIRECTORY. PROVIDE BLANK COVER ON JUNCTION BOX(ES) LABELED "SPARE - NOT IN USE". FIELD VERIFY EXACT CIRCUIT. BID ALTERNATE: DISCONNECT AND REMOVE EXISTING POWER CONNECTIONS TO FOUNTAIN, WIRING AND CONDUIT IN ITS ENTIRETY. TURN OFF EXISTING CIRCUIT BREAKER AND LABEL AS "SPARE" IN PANEL DIRECTORY. FIELD VERIFY **EXACT CIRCUIT.**
- 10. CONDUIT BETWEEN UTILITY METER AND PAD MOUNTED UTILITY TRANSFORMER IS EXISTING TO REMAIN FOR REUSE.



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05/09/2024 As indicated Project Status

Drawn By Drawing Title ELECTRICAL - SITE PLAN

100% CONSTRUCTION DOCUMENTS

# **DEMOLITION GENERAL NOTES:**

- A. FIELD VERIFY ALL CIRCUITS.
- B. DASHED LINES INDICATE ITEM TO BE REMOVED.
- C. REMOVE ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT IN THE RENOVATED AREA UNLESS OTHERWISE NOTED. REPOUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK. FOR DEVICES SHOWN, PROVIDE WORK AS DENOTED BELOW:

- (ETR) DENOTES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.

- FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO SOURCE. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, RE-CIRCUIT DEVICES AS INDICATED ON PLANS AND PROVIDE ADDITIONAL WIRING/CONDUIT AS REQUIRED. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- PROVIDE NEW LABEL ON DEVICE PLATES WITH CORRECT PANEL/CIRCUIT PER SPECIFICATIONS.

### X DEMOLITION PLAN NOTES:

- EXISTING PANELBOARD TO BE RELOCATED.
- 2. DISCONNECT AND REMOVE EXISTING LUMINAIRES AND EXIT SIGNS. ALL ASSOCIATED WIRING/CONDUIT SHALL REMAIN AND BE REUSED FOR NEW LUMINAIRES.
- 3. DISCONNECT AND REMOVE EXISTING DEVICE FOR REPLACEMENT OF DEVICE AND COVERPLATE.
- 4. DISCONNECT AND REMOVE EXISTING HAND DRYER. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE. TURN HAND DRYER OVER TO

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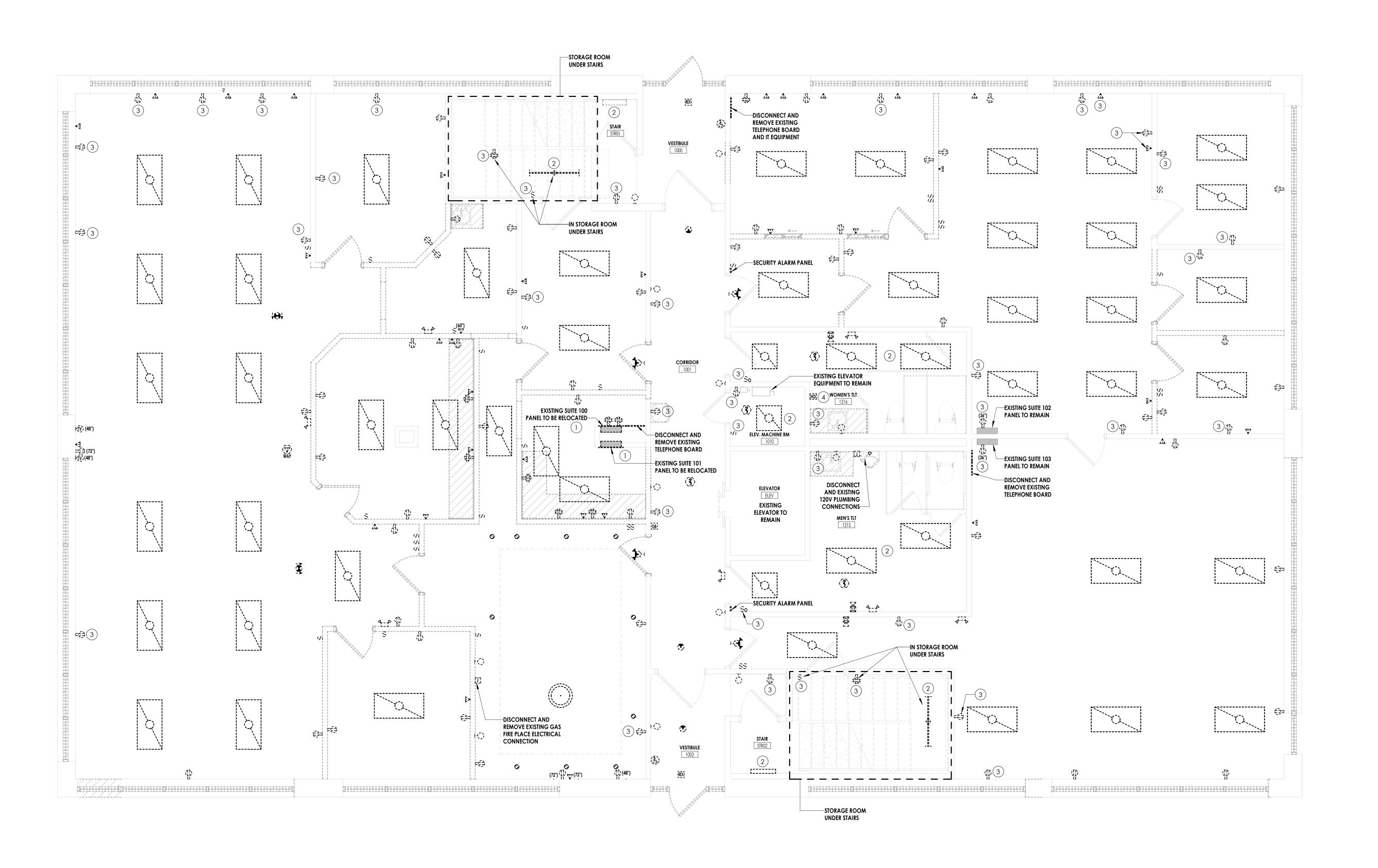
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Drawing Title ELECTRICAL - LEVEL 1 -DEMOLITION PLAN

# **DEMOLITION GENERAL NOTES**

- A. FIELD VERIFY ALL CIRCUITS.
- B. DASHED LINES INDICATE ITEM TO BE REMOVED.
- C. REMOVE ALL EXISTING ELECTRICAL DEVICES AND EQUIPMENT IN THE RENOVATED AREA UNLESS OTHERWISE NOTED. REROUTING OF EXISTING CONDUCTORS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR AROUND NEW WORK. FOR DEVICES SHOWN, PROVIDE WORK AS DENOTED BELOW:

- (ETR) DENOTES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.

- D. FOR DEVICES, FIXTURES, ETC. TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO SOURCE. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, RE-CIRCUIT DEVICES AS INDICATED ON PLANS AND PROVIDE ADDITIONAL WIRING/CONDUIT AS REQUIRED. RE-CIRCUIT ANY REMAINING DEVICES AS REQUIRED TO AVAILABLE PANELBOARD SPACE. RELOCATE ANY CIRCUITS THAT REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- PROVIDE NEW LABEL ON DEVICE PLATES WITH CORRECT PANEL/CIRCUIT PER SPECIFICATIONS.

### X DEMOLITION PLAN NOTES:

- EXISTING PANELBOARD TO BE RELOCATED.
- 2. DISCONNECT AND REMOVE EXISTING LUMINAIRES AND EXIT SIGNS. ALL ASSOCIATED WIRING/CONDUIT SHALL REMAIN AND BE REUSED FOR NEW LUMINAIRES.
- 3. DISCONNECT AND REMOVE EXISTING DEVICE FOR REPLACEMENT OF DEVICE AND COVERPLATE.
- 4. DISCONNECT AND REMOVE EXISTING HAND DRYER. REMOVE EXISTING CONDUIT AND WIRING BACK TO SOURCE. TURN HAND DRYER OVER TO

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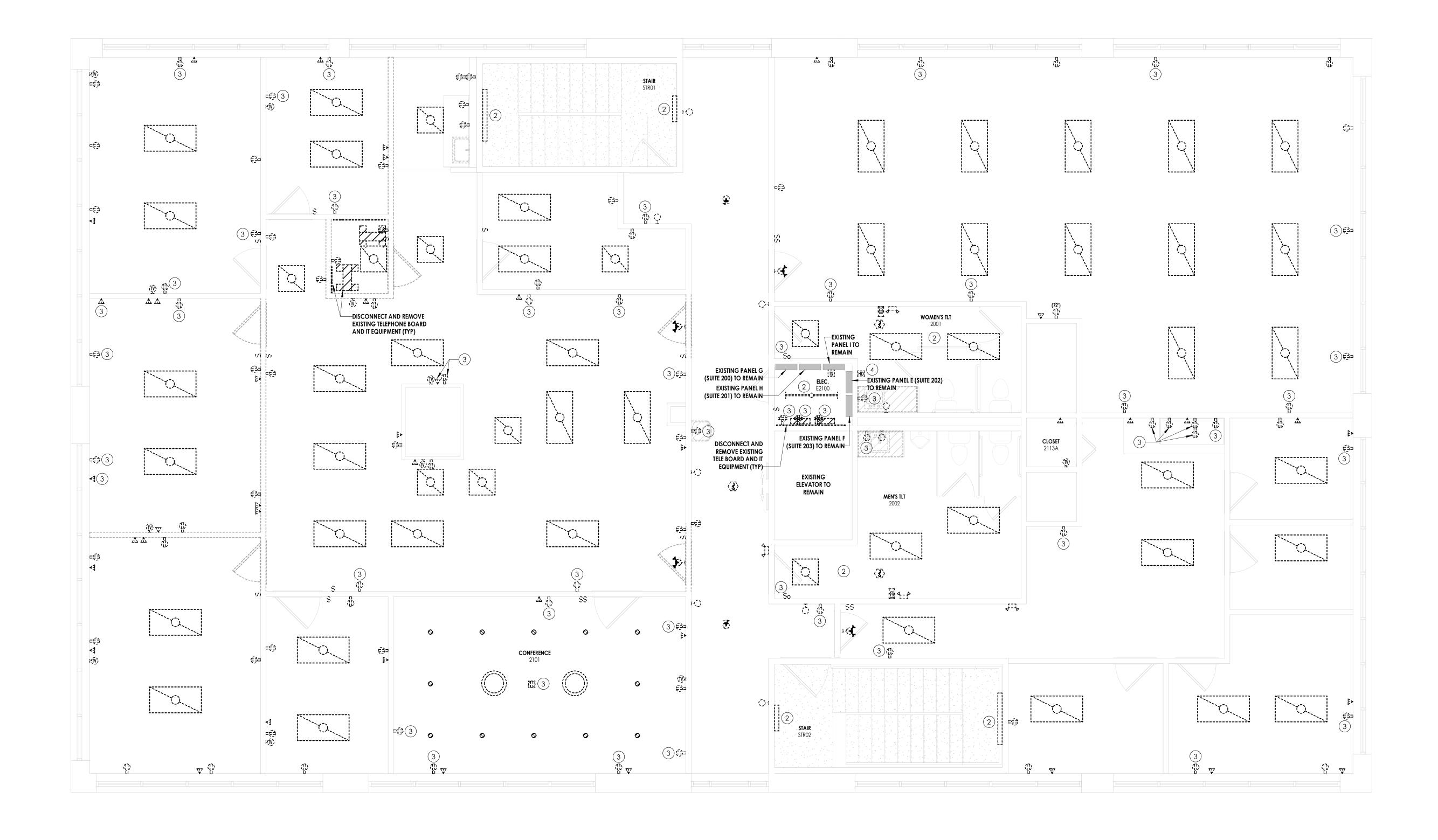
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1 ELECTRICAL - LEVEL 2 - DEMOLITION PLAN



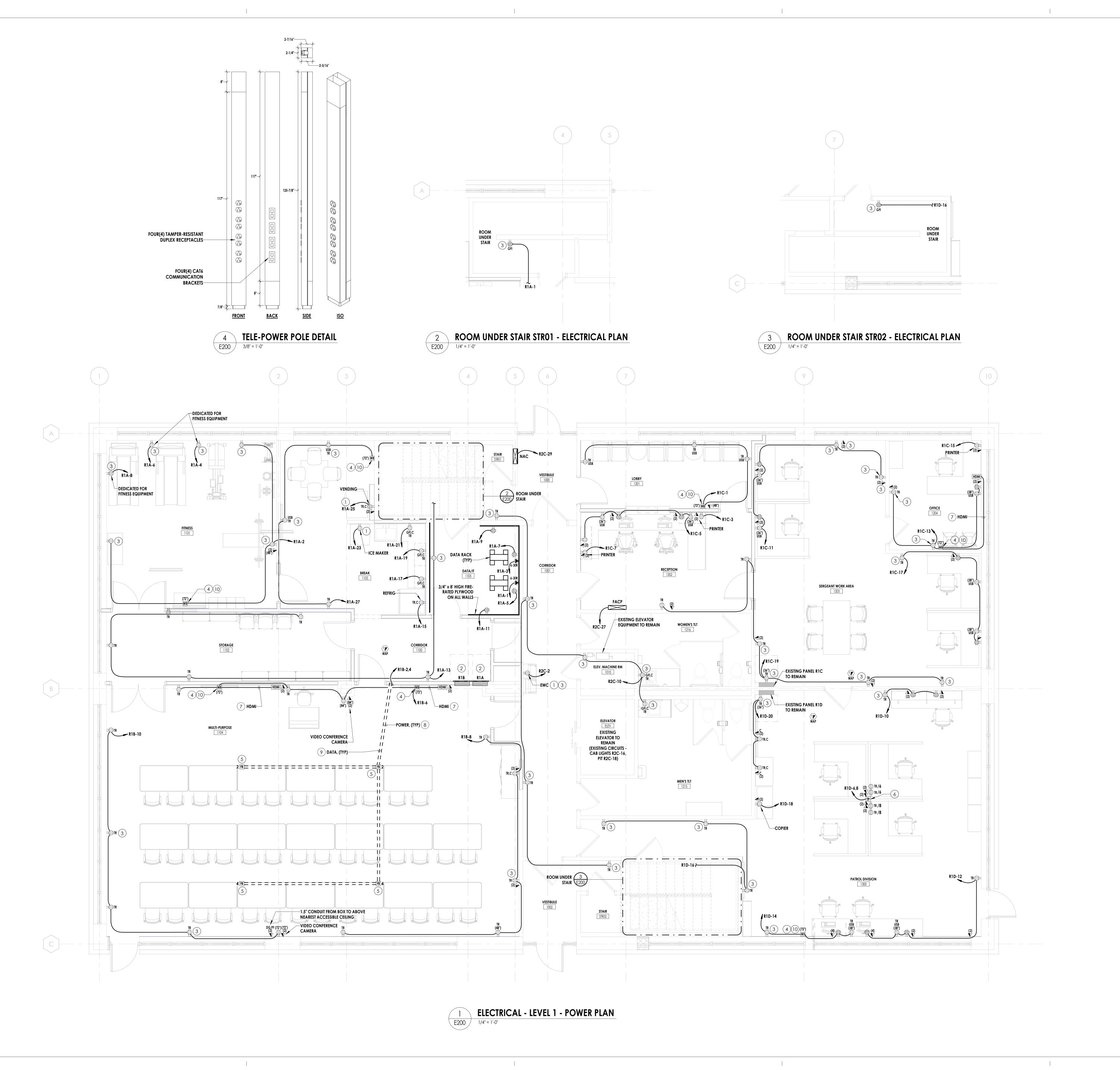




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05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

Drawing Title ELECTRICAL - LEVEL 2 -DEMOLITION PLAN



#### **POWER GENERAL NOTES:**

- A. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.
- B. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE.
- C. COORDINATE EXACT LOCATIONS OF DEVICES WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- D. DEVICES IN CLOSE PROXIMITY SHALL BE GANGED WHEREVER POSSIBLE.
  PROVIDE METAL DIVIDER BETWEEN DEVICES OF DIFFERENT VOLTAGES OR
  DIFFERENT SYSTEMS. ALL DEVICE LOCATIONS SHALL BE APPROVED BY THE

ARCHITECT BEFORE WALLS ARE CLOSED.

- E. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.
- COORDINATE ALL ROUGH-IN LOCATIONS AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND MANUFACTURER'S INSTRUCTIONS PRIOR TO ROUGH-IN.
- G. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- H. COORDINATE EXACT NAME DESIGNATION OF HVAC EQUIPMENT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO LABELING OF DISCONNECT AND PANEL DIRECTORY.
- I. COORDINATE WITH HVAC CONTROLS CONTRACTOR FOR ANY 120V POWER REQUIRED.
- J. LIMITED ACCESS WORKING SPACE FOR HVAC EQUIPMENT ABOVE CEILING (VAV'S, FCU'S, BB'S, ETC.) SHALL COMPLY WITH NEC 110.26(A)(4) REQUIREMENTS.
- K. DISCONNECTS FOR FCU'S AND BB'S ARE FURNISHED WITH EQUIPMENT.
- L. COORDINATE EXACT MOUNTING HEIGHT AND LOCATIONS OF ALL TELEVISIONS PRIOR TO ROUGH-IN.
- M. PROVIDE SINGLE-GANG BOX WITH 1-1/2" CONDUIT WITH PULL CORD TO ABOVE ACCESSIBLE CEILING IN NEAREST CORRIDOR FOR STANDALONE HDMI
- OUTLETS AND 4-PORT DATA DEVICES.

  N. PROVIDE DOUBLE-GANG BOX WITH 1-1/2" CONDUIT WITH PULL CORD TO
- ABOVE ACCESSIBLE CEILING IN NEAREST CORRIDOR FOR 6-PORT DATA DEVICES.
- O. FOR DEVICES SHOWN, PROVIDE WORK AS NOTED BELOW:

   (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.

#### × POWER PLAN NOTES:

1. PROVIDE WITH GFCI CIRCUIT BREAKER.

- 2. EXISTING, RELOCATED PANELBOARD.
- 3. PROVIDE DEVICE INDICATED WITH COVERPLATE PER SPECIFICATIONS.
- 4. PROVIDE WALLBOX EQUIVALENT TO LEGRAND #EFSB2. PROVIDE BASIS OF (1) DUPLEX RECEPTACLE, (2) CAT 6 COMMUNICATIONS BRACKETS, AND (1) CATV F-CONNECTOR FEMALE BRACKET. COORDINATE WITH OWNER PRIOR TO SELECTING BRACKETS. COORDINATE WITH WALL FINISH, TV LOCATION, AND OTHER TRADES PRIOR TO ROUGH-IN. PROVIDE WITH HINGED COVER ASSEMBLY. FOR DATA AND AV PROVIDE 1" CONDUIT WITH PULL CORD, STUBBED 90-DEGREE TO ABOVE ACCESSIBLE CEILING IN CORRIDOR. PROVIDE NYLON BUSHING ON CONDUIT END.
- 5. PROVIDE ON-GRADE FLOOR BOX EQUIVALENT TO LEGRAND #RFBA4R300G.
  BRUSHED ALUMINUM ROUND COVER. PROVIDE BASIS OF (1) TAMPERRESISTANT DUPLEX RECEPTACLE, (1) CAT 6 COMMUNICATION BRACKET.
  COORDINATE WITH OWNER PRIOR TO SELECTING BRACKETS. COORDINATE
  FLOOR FINISH, FURNITURE LOCATIONS, AND OTHER TRADES PRIOR TO ROUGHIN. PROVIDE NYLON BUSHING ON CONDUIT END.
- 6. PROVIDE SQUARE-STEEL, TELE-POWER POLE EQUIVALENT TO LEGRAND #
  25DTP-4D. PROVIDE BASIS OF (4) TAMPER-RESISTANT DUPLEX RECEPTACLE, (4)
  CAT 6 COMMUNICATION BRACKETS. COORDINATE WITH OWNER PRIOR TO
  SELECTING BRACKETS. COORDINATE FINISH, FURNITURE LOCATIONS, AND
  OTHER TRADES PRIOR TO ROUGH-IN. FOR DATA PROVIDE PULL CORD FROM
  BRACKETS TO ABOVE CEILING. REFER TO DETAIL 4/E200.
- 7. PROVIDE MINIMUM 1-1/2" CONDUIT WITH PULL CORD FOR HDMI CABLING BETWEEN HDMI OUTLET TO TV LOCATION AND TURN UP AND STUB 90-DEGREE ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE NYLON BUSHING ON CONDUIT END.
- 8. PROVIDE MINIMUM 1/2" CONDUIT FOR POWER BETWEEN FLOORBOX AND TV LOCATION.
- PROVIDE MINIMUM 1-1/2" CONDUIT WITH PULL CORD FOR DATA/AV TO WALL AND TURN UP AND STUB 90-DEGREE TO ACCESSIBLE CEILING IN CORRIDOR. PROVIDE NYLON BUSHING ON CONDUIT END.
- 10. PROVIDE 2" X 6" WOOD BLOCKING BETWEEN STUDS ABOVE AND BELOW WALL BOX IN THE WALL AT ALL TV LOCATIONS.

PROJECT INFORMATION

Project Number R23.00720.00

YORK COUNTY, SC

Project Name
DISTRICT 3 SHERIFF'S OFFICE

CPL | Architecture Engineering Planning

6302 Fairview Road Suite 102,

Charlotte, NC 28210

CPLteam.com

PROJECT ISSUE & REVISION SCHEDULE

236 Northpark Drive, Rock Hill, SC 29730

PROFESSIONAL STAMPS





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Drawn By Checked By

JMH MSR

Drawing Title

ELECTRICAL - LEVEL 1 - POWER

Drawing Number

E200

### **POWER GENERAL NOTES:**

- A. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.
- B. LABEL ALL WIRING DEVICES WITH PANEL/CIRCUIT SERVING DEVICE.
- C. COORDINATE EXACT LOCATIONS OF DEVICES WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
- D. DEVICES IN CLOSE PROXIMITY SHALL BE GANGED WHEREVER POSSIBLE.
  PROVIDE METAL DIVIDER BETWEEN DEVICES OF DIFFERENT VOLTAGES OR
  DIFFERENT SYSTEMS. ALL DEVICE LOCATIONS SHALL BE APPROVED BY THE
- E. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.

ARCHITECT BEFORE WALLS ARE CLOSED.

- F. COORDINATE ALL ROUGH-IN LOCATIONS AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND MANUFACTURER'S INSTRUCTIONS PRIOR TO ROUGH-IN.
- G. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- H. COORDINATE EXACT NAME DESIGNATION OF HVAC EQUIPMENT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO LABELING OF DISCONNECT AND PANEL DIRECTORY.
- I. COORDINATE WITH HVAC CONTROLS CONTRACTOR FOR ANY 120V POWER REQUIRED.
- J. LIMITED ACCESS WORKING SPACE FOR HVAC EQUIPMENT ABOVE CEILING (VAV'S, FCU'S, BB'S, ETC.) SHALL COMPLY WITH NEC 110.26(A)(4) REQUIREMENTS.
- K. DISCONNECTS FOR FCU'S AND BB'S ARE FURNISHED WITH EQUIPMENT.
- L. COORDINATE EXACT MOUNTING HEIGHT AND LOCATIONS OF ALL TELEVISIONS PRIOR TO ROUGH-IN.
- ABOVE ACCESSIBLE CEILING IN NEAREST CORRIDOR FOR STANDALONE HDMI OUTLETS AND 4-PORT DATA DEVICES.

M. PROVIDE SINGLE-GANG BOX WITH 1-1/2" CONDUIT WITH PULL CORD TO

- N. PROVIDE DOUBLE-GANG BOX WITH 1-1/2" CONDUIT WITH PULL CORD TO ABOVE ACCESSIBLE CEILING IN NEAREST CORRIDOR FOR 6-PORT DATA DEVICES.
- O. FOR DEVICES SHOWN, PROVIDE WORK AS NOTED BELOW:

   (ETR) EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC. ARE EXISTING TO REMAIN. THEY AND THEIR ASSOCIATED CIRCUITING, CABLING, AND RACEWAYS SHALL REMAIN.

#### × POWER PLAN NOTES:

- 1. PROVIDE WITH GFCI CIRCUIT BREAKER.
- 2. PROVIDE POKE-THRU EQUIVALENT TO LEGRAND #6AT. BRUSHED ALUMINUM ROUND COVER. PROVIDE BASIS OF (1) TAMPER-RESISTANT DUPLEX RECEPTACLE, (2) CAT 6 COMMUNICATION BRACKET. COORDINATE WITH OWNER PRIOR TO SELECTING BRACKETS. COORDINATE FLOOR FINISH, FURNITURE LOCATIONS, AND OTHER TRADES PRIOR TO ROUGH-IN. PROVIDE NYLON BUSHING ON CONDUIT END.
- 3. PROVIDE DEVICE INDICATED WITH COVERPLATE PER SPECIFICATIONS.
- 4. PROVIDE WALLBOX EQUIVALENT TO LEGRAND #EFSB2. PROVIDE BASIS OF (1) DUPLEX RECEPTACLE, (2) CAT 6 COMMUNICATIONS BRACKETS, AND (1) CATV F-CONNECTOR FEMALE BRACKET. COORDINATE WITH OWNER PRIOR TO SELECTING BRACKETS. COORDINATE WITH WALL FINISH, TV LOCATION, AND OTHER TRADES PRIOR TO ROUGH-IN. PROVIDE WITH HINGED COVER ASSEMBLY. FOR DATA AND AV PROVIDE 1-1/4" CONDUIT WITH PULL CORD, STUBBED 90-DEGREE TO ABOVE ACCESSIBLE CEILING IN CORRIDOR. PROVIDE NYLON BUSHING ON CONDUIT END.
- 5. PROVIDE SQUARE-STEEL, TELE-POWER POLE EQUIVALENT TO LEGRAND #
  25DTP-4D. PROVIDE BASIS OF (4) TAMPER-RESISTANT DUPLEX RECEPTACLE, (4)
  CAT 6 COMMUNICATION BRACKETS. COORDINATE WITH OWNER PRIOR TO
  SELECTING BRACKETS. COORDINATE FINISH, FURNITURE LOCATIONS, AND
  OTHER TRADES PRIOR TO ROUGH-IN. FOR DATA PROVIDE PULL CORD FROM
  BRACKETS TO ABOVE CEILING. REFER TO DETAIL 4/E200.
- 6. POWER FOR EMERGENCY RESPONDER BDA SYSTEM. PROVIDE ROOF PENETRATION FOR AN ANTENNA. COORDINATE EXACT LOCATION OF CLOSEST ANTENNA TO LOCATE ROOF PENETRATION.
- 7. PROVIDE MINIMUM 1-1/2" CONDUIT WITH PULL CORD FOR HDMI CABLING BETWEEN FLOORBOX TO TV LOCATION AND TURN UP AND STUB 90-DEGREE ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE NYLON BUSHING ON CONDUIT END.
- 8. PROVIDE MINIMUM 1-1/2" CONDUIT WITH PULL CORD FOR HDMI CABLING
  BETWEEN HDMI OUTLET TO TV LOCATION AND TURN UP AND STUB 90-DEGREE
  ABOVE NEAREST ACCESSIBLE CEILING. PROVIDE NYLON BUSHING ON
  CONDUIT FND.
- 9. PROVIDE MINIMUM 1/2" CONDUIT FOR POWER BETWEEN FLOORBOX AND TV LOCATION.
- 10. PROVIDE MINIMUM 1-1/4" CONDUIT WITH PULL CORD FOR DATA/AV BETWEEN FLOORBOX AND WALL AT TV LOCATION AND TURN UP AND STUB 90-DEGREE TO ACCESSIBLE CEILING IN CORRIDOR. PROVIDE NYLON BUSHING ON
- 11. PROVIDE 2" X 6" WOOD BLOCKING BETWEEN STUDS ABOVE AND BELOW WALL BOX IN THE WALL AT ALL TV LOCATIONS.

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ELECTRICAL - LEVEL 2 - POWER PLAN

100% CONSTRUCTION DOCUMENTS

Drawing Number

201

ELECTRICAL - LEVEL 2 - POWER PLAN

		LUMINAIRE SC	HEDULE						
MARK	DESCRIPTION	MANUFACTURER	MODEL #	VOLTS	WATTS	LUMENS	TYPE	MOUNTING	REMARKS
A22	2'X2' LED FLAT PANEL LUMINAIRE, SELECTABLE LUMENS AND COLOR TEMPERATURE, ALUMINUM WHITE HOUSING, SATIN WHITE DIFFUSER	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	CPX-2X2-AL07-80CRI-SWW7-SWL-M VOLT	MVOLT	36	4000	3500K LED	RECESSED-GRID	-
A24	2'X4' LED FLAT PANEL LUMINAIRE, SELECTABLE LUMENS AND COLOR TEMPERATURE, ALUMINUM WHITE HOUSING, SATIN WHITE DIFFUSER	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	CPX-2X4-AL08-80CRI-SWW7-SWL-M VOLT	MVOLT	56	6000	3500K LED	RECESSED-GRID	-
B22	2'X2' LED RECESSED VOLUMETRIC LUMINAIRE, WHITE STEEL HOUSING, 0-10V 1% MINIMUM DIMMING	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	2BLT2-48L-ADP-EZ1-LP835	MVOLT	43	4800	3500K LED	RECESSED-GRID	1
B48	2'X4' LED RECESSED VOLUMETRIC LUMINAIRE, WHITE STEEL HOUSING, 0-10V 1% MINIMUM DIMMING	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	2BLT4-48L-ADP-EZ1-LP835	MVOLT	40	4800	3500K LED	RECESSED-GRID	1
B60	2'X4' LED RECESSED VOLUMETRIC LUMINAIRE, WHITE STEEL HOUSING, 0-10V 1% MINIMUM DIMMING	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	2BLT4-60L-ADP-EZ1-LP835	MVOLT	47	6000	3500K LED	RECESSED-GRID	1
B72	2'X4' LED RECESSED VOLUMETRIC LUMINAIRE, WHITE STEEL HOUSING, 0-10V 1% MINIMUM DIMMING	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	2BLT4-72L-ADP-EZ1-LP835	MVOLT	60	7200	3500K LED	RECESSED-GRID	1
D415	4" LED OPEN DOWNLIGHT, MEDIUM WIDE TYPE DISTRIBUTION, WHITE REFLECTOR AND FLANGE, SELF-FLANGED, 0-10V 1% MINIMUM DIMMING	GOTHAM OR APPROVED EQUAL BY PRESCOLITE OR SPECTRUM	EVO4-35/15-WR-MWD-MVOLT-GZ1	MVOLT	14	1500	3500K LED	RECESSED-GRID	1
D425	4" LED OPEN DOWNLIGHT, MEDIUM WIDE TYPE DISTRIBUTION, WHITE REFLECTOR AND FLANGE, SELF-FLANGED, 0-10V 1% MINIMUM DIMMING	GOTHAM OR APPROVED EQUAL BY PRESCOLITE OR SPECTRUM	EVO4-35/25-WR-MWD-MVOLT-GZ1	MVOLT	25	2500	3500K LED	RECESSED-GRID	1
DS	4" LED DOWNLIGHT, FLUSH TEXTURED SHOWER LENS WITH WHITE TRIM, UL RATED FOR WET LOCATIONS	GOTHAM OR APPROVED EQUAL BY PRESCOLITE OR SPECTRUM	EVO4SH-35/25-DFF-SOL-MVOLT-GZ	MVOLT	26	2500	3500K LED	RECESSED-GYP	-
E1	SINGLE-FACE LED EDGE LIT EXIT SIGN, BRUSHED ALUMINUM FINISH, UL924 LISTED, AC ONLY	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	EDGR-1-R-AC	120/277	3	-	RED LED LETTERS	UNIVERSAL	-
E2	DOUBLE-FACE LED EDGE LIT EXIT SIGN, BRUSHED ALUMINUM FINISH, UL924 LISTED, AC ONLY	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	EDGR-2-RMR-AC	120/277	3	-	RED LED LETTERS	UNIVERSAL	-
EW1	24" EXTERIOR LED EMERGENCY MULLION MOUNT LUMINAIRE, ALUMINUM HOUSING, OPAL POLYCARBONATE LENS, WET LOCATION LISTED	LUMINAIRE LED OR APPROVED EQUAL	BLD-24IN-NODIM-20W-30K-MVOLT- DP-xx	MVOLT	20	2000	3500K LED	SURFACE ON MULLION	-
LR1	14'X4" LED LINEAR, DIRECT/INDIRECT DISTRIBUTION, CLEAR ACRYLIC INDIRECT LENS, FLUSH ACRYLIC DIRECT LEN, ALUMINUM HOUSING	MARK ARCHITECTURAL OR APPROVED EQUAL BY FINELITE OR LUX ILLUMUNIARE	\$4PID-LCB-10FT-M\$L5-80CRI-35K-80 0LMF-I80CRI-I35K-I400LMF-MIN1-FLL	MVOLT	9/FT	800D/400U/ FT	3500K LED	PENDANT	1
LR2	10'X4" LED LINEAR, DIRECT/INDIRECT DISTRIBUTION, CLEAR ACRYLIC INDIRECT LENS, FLUSH ACRYLIC DIRECT LEN, ALUMINUM HOUSING	MARK ARCHITECTURAL OR APPROVED EQUAL BY FINELITE OR LUX ILLUMUNIARE	S4PID-LCB-11FT-MSL4-80CRI-35K-80 0LMF-I80CRI-I35K-I400LMF-MIN1-FLL	MVOLT	9/FT	800D/400U/ FT	3500K LED	PENDANT	1
\$4	4' LED LENSED STRIP LUMINAIRE, WHITE STEEL HOUSING, SNAP ON LENS	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	ZL1D-L48-5000LM-FST-MVOLT-40K-8 0CRI-WH	MVOLT	41	5000	3500K LED	SURFACE OR CHAIN-HUNG	-
ST2	2' LED WALL BRACKET, WHITE STEEL HOUSING, CURVED SMOOTH POLYCARBONATE DIFFUSER, INTEGRAL 10% DIM OCCUPANCY CONTROLS, WITH INTEGRAL EMERGENCY BATTERY BACKUP	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	BLWP2-33L-PDSM-EZ1-LP840-DIM10- E10WLCP	MVOLT	30	3300	4000K LED	SURFACE ON WALL	-
ST4	4' LED WALL BRACKET, WHITE STEEL HOUSING, CURVED SMOOTH POLYCARBONATE DIFFUSER, INTEGRAL 10% DIM OCCUPANCY CONTROLS, WITH INTEGRAL EMERGENCY BATTERY BACKUP	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	BLWP4-60L-PDSM-EZ1-LP840-DIM10- E0WLCP	MVOLT	49	6000	4000K LED	SURFACE ON WALL	-
WB2	2' LED LENSED STRIP, WHITE STEEL HOUSING, CURVED SMOOTH POLYCARBONATE DIFFUSER	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	BLWP2-33L-PDSM-GZ10-LP835	MVOLT	30	3300	3500K LED	SURFACE ON WALL	-
WB4	4' LED LENSED STRIP, WHITE STEEL HOUSING, CURVED SMOOTH POLYCARBONATE DIFFUSER	LITHONIA OR APPROVED EQUAL BY METALUX OR H.E. WILLIAMS	BLWP4-60L-PDSM-GZ10-LP835	MVOLT	49	6000	3500K LED	SURFACE ON WALL	-

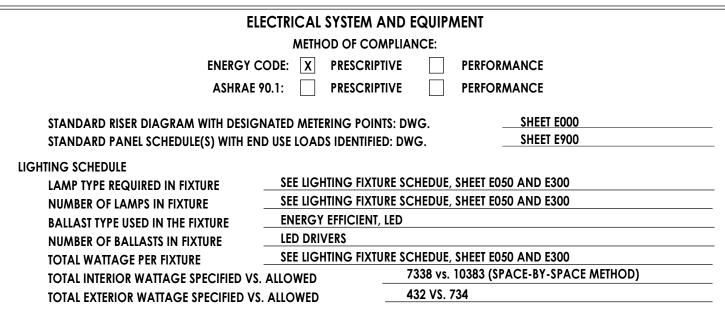
#### LUMINAIRE SCHEDULE REMARKS 1. PROVIDE COMPATIBLE DIMMER FOR FIXTURE WHERE INDICATED ON LIGHTING

- 2. FACES, MOUNTING, AND CHEVRONS SHALL BE PER PLANS.
- 3. VERIFY ALL FIXTURE LENGTHS WITH PLANS AND ARCHITECTS PRIOR TO ORDERING.
- 4. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHT WITH ARCHITECT/INTERIORS PRIOR TO ROUGH-IN.
- 5. VERIFY FINISH/COLOR WITH ARCHITECT/INTERIORS. PROVIDE PHYSICAL COLOR CHART AS REQUIRED BY ARCHITECT.
- 6. PROVIDE HANGER-CHAIN LENGTH REQUIRED FOR FIXTURES THAT ARE CHAIN-
- 7. COORDINATE FIXTURE WITH MIRROR, SINK LOCATION, AND WALL FINISHES PRIOR TO ROUGH-IN.
- 8. COORDINATE MOUNTING WITH ELEVATOR MANUFACTURER.

CIRCUIT BREAKER N

E300 /

NOT TO SCALE



**DESIGNER STATEMENT:** 

UL924 **EMERGENCY** 

**BYPASS RELAY** 

(IOTA ETS OR

EQUAL)

**EMERGENCY BYPASS RELAY SCHEMATIC** 

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE ELECTRICAL SYSTEMS AND EQUIPMENT REQUIREMENTS OF THE 2009 IECC ADOPTED BY THE STATE OF SOUTH CAROLINA.

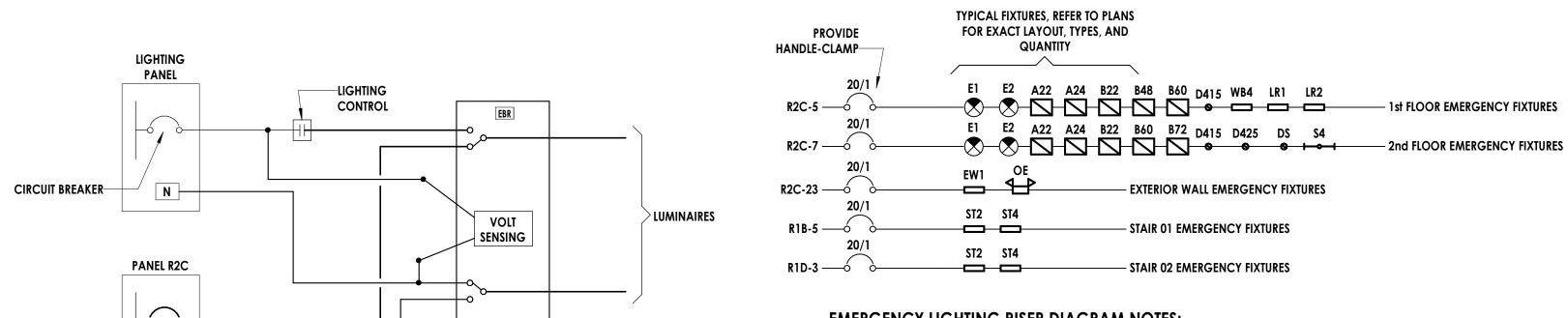
MICHAEL S. RANIERI ELECTRICAL ENGINEER, P.E

# **GENERAL NOTES**

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN(S) AND ELEVATIONS FOR **EXACT LIGHTING FIXTURE LOCATIONS.**
- B. COORDINATE ALL LIGHT SWITCH/CONTROL LOCATIONS WITH DOOR SWINGS PRIOR TO ROUGH-IN.
- C. LABEL ALL LIGHTING CONTROLS WITH PANEL/CIRCUIT SERVING DEVICE. WHERE GANGED, ALSO LABEL LIGHTING FIXTURES OR ZONES CONTROLLED.
- D. DEVICES IN CLOSE PROXIMITY SHALL BE GANGED WHEREVER POSSIBLE. PROVIDE METAL DIVIDER BETWEEN DEVICES OF DIFFERENT VOLTAGES OR DIFFERENT SYSTEMS. ALL DEVICE LOCATIONS SHALL BE APPROVED BY THE ARCHITECT BEFORE WALLS ARE CLOSED.
- E. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY UNITS TO CONTINUOUSLY HOT UNSWITCHED CIRCUIT CONDUCTOR.
- F. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.

### X PLAN NOTES

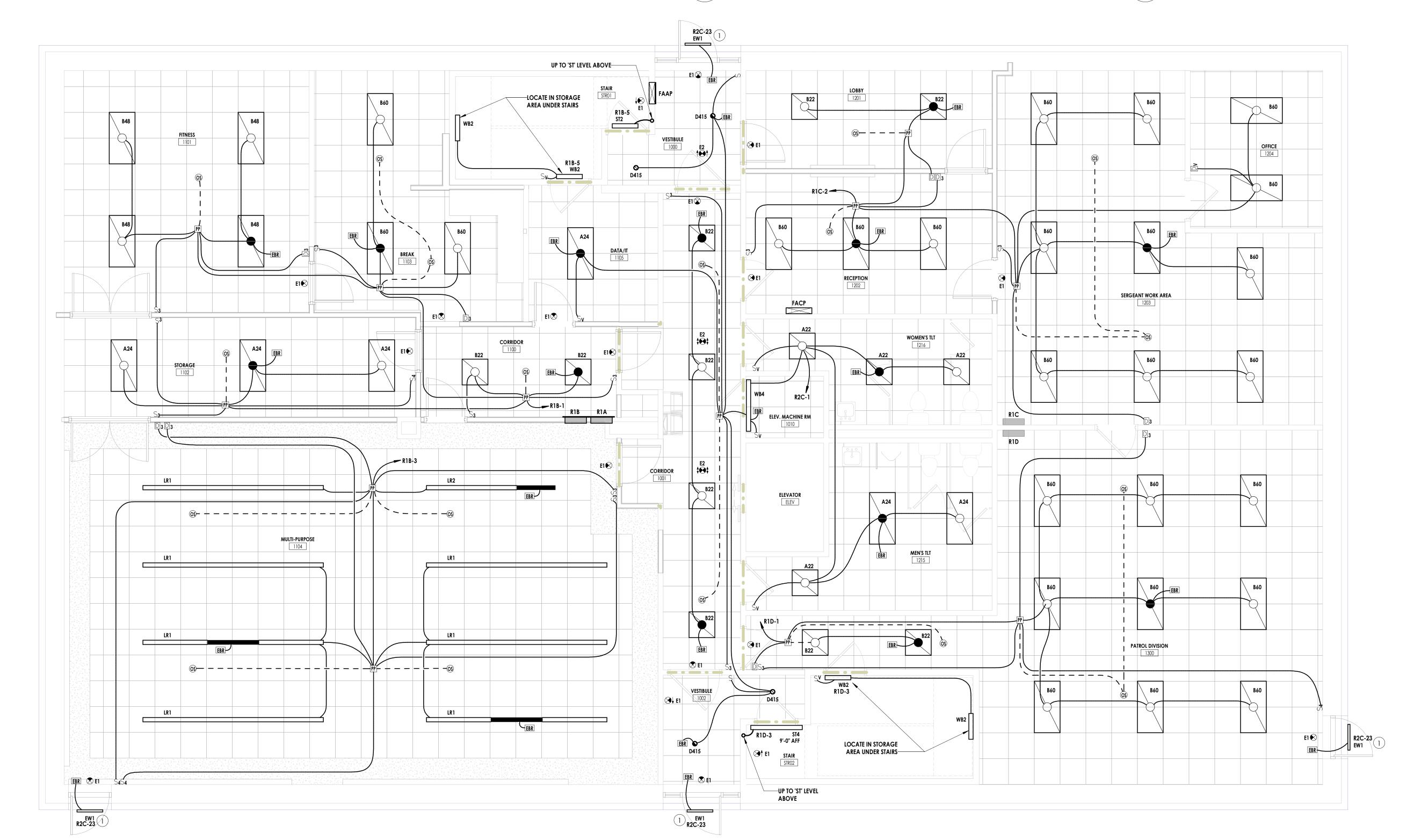
1. WIRE THROUGH EXISTING EXTERIOR LIGHTING CONTROLLER.



### **EMERGENCY LIGHTING RISER DIAGRAM NOTES:**

- EMERGENCY LIGHTING FIXTURES SHALL OPERATE UPON LOSS OF AC LINE POWER TO THE NORMAL POWER PANEL. EXIT LIGHTING SHALL BE ILLUMINATED AT ALL TIMES.
- COORDINATE EXACT REQUIREMENTS FOR WIRING AND CONNECTIONS WITH
- MANUFACTURER'S INSTRUCTIONS.







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PROJECT INFORMATION

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

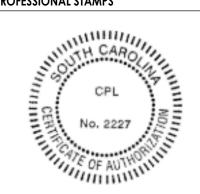
236 Northpark Drive, Rock Hill, SC 29730

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Project Name

PROFESSIONAL STAMPS





SHEET INFORMATION 05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS

Drawing Title ELECTRICAL - LEVEL 1 - LIGHTING

BEFORE WALLS ARE CLOSED.

- A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN(S) AND ELEVATIONS FOR EXACT LIGHTING FIXTURE LOCATIONS.
- B. COORDINATE ALL LIGHT SWITCH/CONTROL LOCATIONS WITH DOOR SWINGS PRIOR TO ROUGH-IN.
- C. LABEL ALL LIGHTING CONTROLS WITH PANEL/CIRCUIT SERVING DEVICE. WHERE GANGED, ALSO LABEL LIGHTING FIXTURES OR ZONES CONTROLLED.
- D. DEVICES IN CLOSE PROXIMITY SHALL BE GANGED WHEREVER POSSIBLE. PROVIDE METAL DIVIDER BETWEEN DEVICES OF DIFFERENT VOLTAGES OR DIFFERENT

SYSTEMS. ALL DEVICE LOCATIONS SHALL BE APPROVED BY THE ARCHITECT

- E. CONNECT ALL EXIT SIGNS AND EMERGENCY BATTERY UNITS TO CONTINUOUSLY HOT UNSWITCHED CIRCUIT CONDUCTOR.
- F. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.



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Client Name

Project Number

Project Name

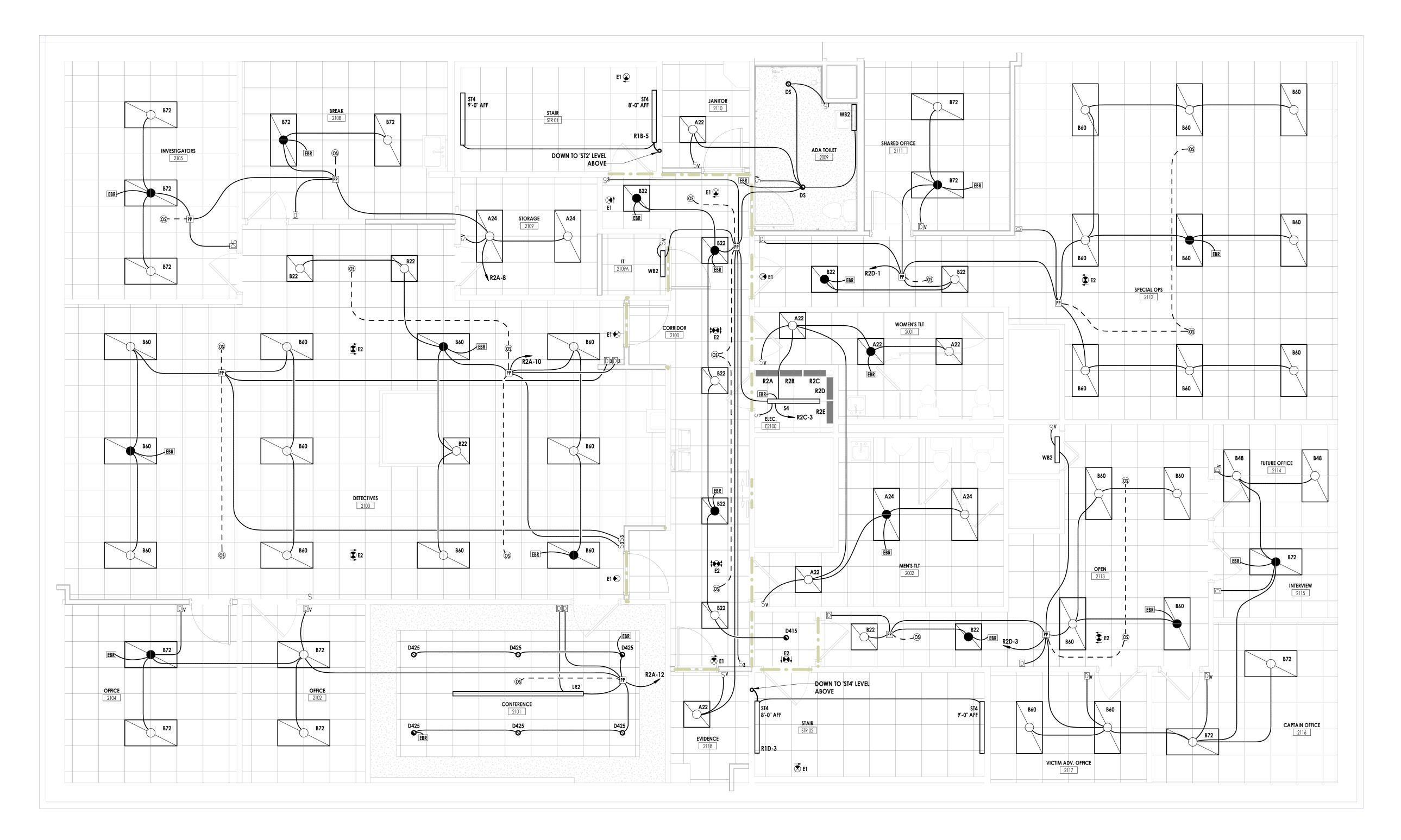
YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

# Date Description



1 ELECTRICAL - LEVEL 2 - LIGHTING PLAN
E301 1/4" = 1'-0"

PROFESSIONAL STAMPS

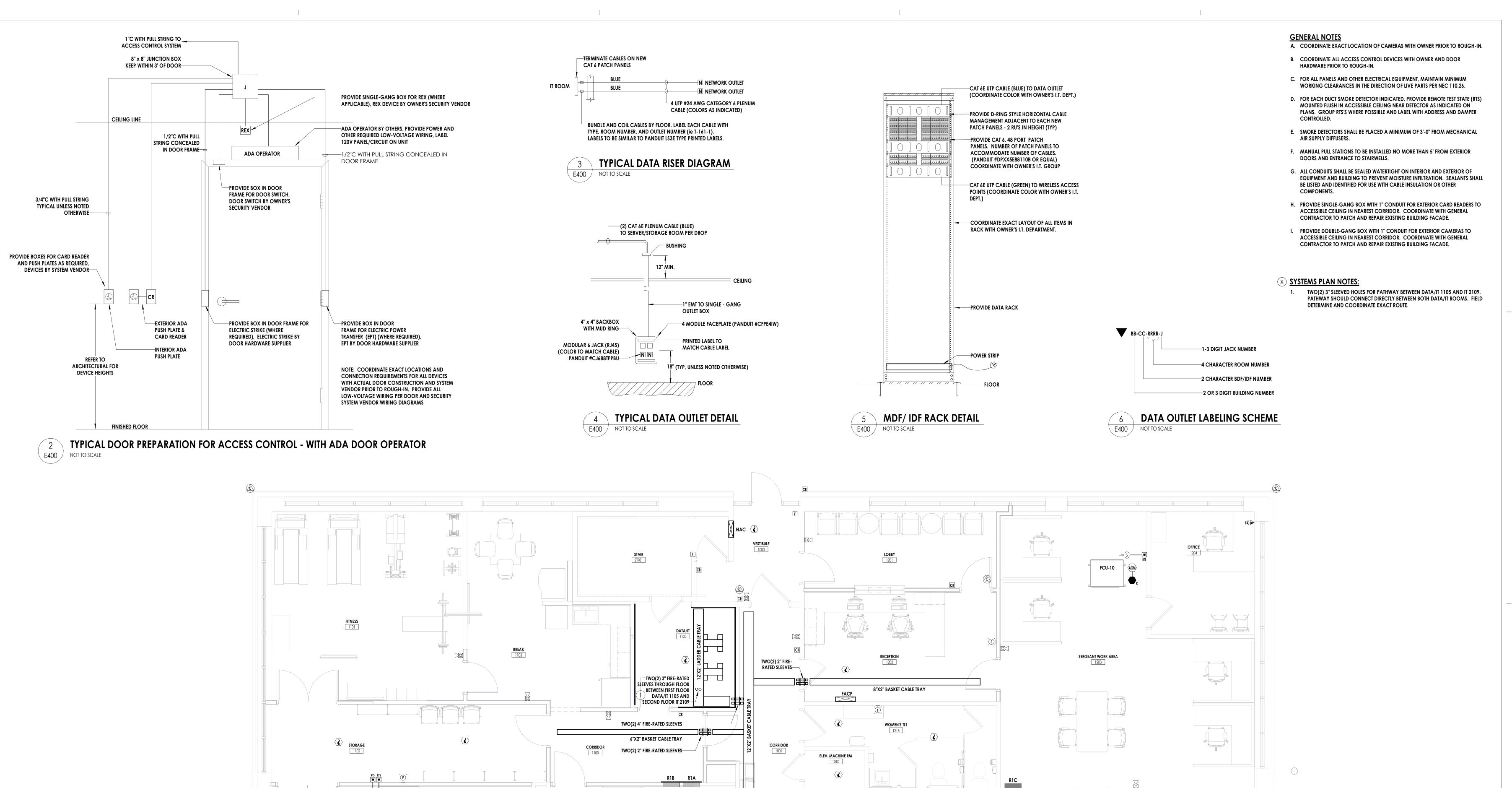




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PLAN



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236 Northpark Drive, Rock Hill, SC 29730

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SHEET INFORMATION

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JMH MSR Drawing Title ELECTRICAL - LEVEL 1 - SYSTEMS

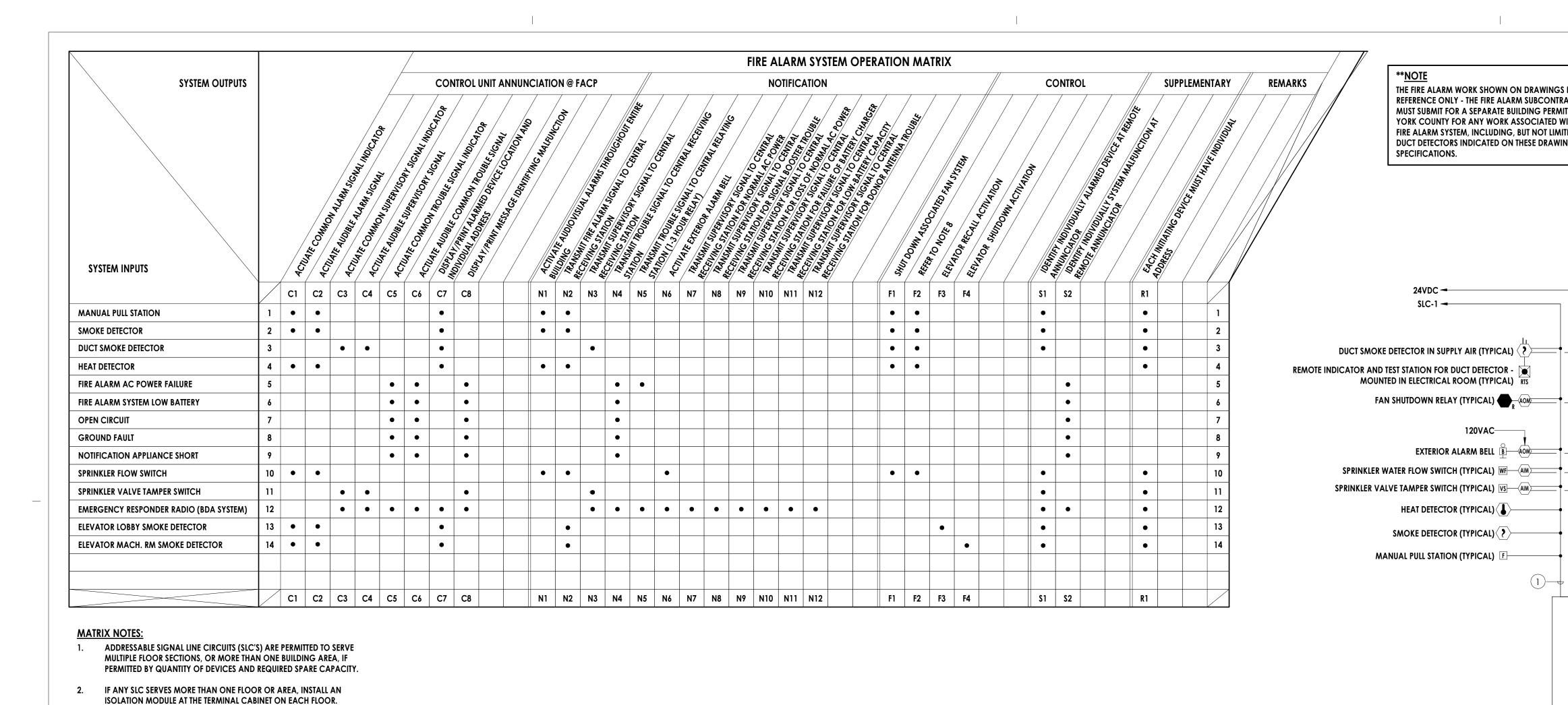
Drawing Number

E400

ELECTRICAL - LEVEL 1 - SYSTEMS PLAN

8"X2" BASKET CABLE TRAY

MULTI-PURPOSE



3. PROVIDE ADDITIONAL ISOLATION MODULES (OR ISOLATOR BASES) ON

4. PROVIDE ALL WIRING NECESSARY FOR A COMPLETE SYSTEM. VERIFY WIRING REQUIREMENTS WITH SYSTEM MANUFACTURER PRIOR TO SUBMITTING FINAL BID. CONTACT ARCHITECT-ENGINEER IF ANY

6. PROVIDE ADDITIONAL CONDUIT AND PULL BOXES AS REQUIRED BY DEVICES. WIRING FOR SPEAKERS AND STROBES SHALL BE RUN IN SEPARATE CONDUIT FROM WIRING FOR ALARM INITIATING DEVICES.

REFER TO SPECIFICATIONS FOR SYSTEM DESCRIPTION.

DISCREPANCIES ARE FOUND, AT LEAST 8-DAYS PRIOR TO BIDDING.

CONNECT ALL CABLE SHIELDS TOGETHER. INSULATE AND TERMINATE THEM AT MAIN FIRE ALARM CONNECTION ONLY, AS DIRECTED BY

PROVIDE A CONTROL MODULE IN FACP TO BE USED IN THE SHUTDOWN CONTROL SCHEME FOR MECHANICAL EQUIPMENT. PROGRAM THE MODULE TO ACTIVATE CONTACTS UPON DETECTION OF SMOKE BY ANY ONE DETECTOR ON THE SAME FLOOR, INCLUDING HVAC DUCT SMOKE

10. ADDRESSABLE DEVICES SHALL NOT BE INSTALLED IN UNCONDITIONED

11. EACH DUCT SMOKE DETECTOR SHALL BE PROVIDED WITH REMOTE ALARM INDICATING LIGHT AND KEY TEST SWITCH IN ADDITION TO RELAY MODULES TO BE USED BY HVAC CONTROLS CONTRACTOR.

EACH ADDRESSABLE SLC AS REQUIRED.

SYSTEM MANUFACTURER.

9. 'T' TAPS ARE NOT ALLOWED.

THE FIRE ALARM WORK SHOWN ON DRAWINGS IS FOR REFERENCE ONLY - THE FIRE ALARM SUBCONTRACTOR MUST SUBMIT FOR A SEPARATE BUILDING PERMIT WITH YORK COUNTY FOR ANY WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM, INCLUDING, BUT NOT LIMITED TO. DUCT DETECTORS INDICATED ON THESE DRAWINGS AND SPECIFICATIONS.

24VDC -

SLC-1 <del>-----</del>

120VAC-

HEAT DETECTOR (TYPICAL)

EXTERIOR ALARM BELL B AOM

C.O. TELE LINE —

120 VAC --

CAT 6 CABLE TO MDF/IDF --

NOTICE TO FIRE ALARM SYSTEM CONTRACTOR REMINDER, NOTIFY THE STATE FIRE MARSHAL'S OFFICE, VIA SFM FORM 354A, AT LEAST 30 WORKING DAYS PRIOR TO BEGINNING OF INSTALLATION OF FIRE ALARM SYSTEM (INCLUDING ROUGH-IN), AND SUBMIT THREE COPIES OF COMPLETE INFORMATION REGARDING SYSTEM, IN COMPLIANCE WITH NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2013 EDITION, CHAPTERS 7 AND 10.

SPECIAL NOTE: EVIDENCE OF THE SYSTEM DESIGNER'S QUALIFICATIONS, IN THE FORM OF A NICET FIRE ALARM SYSTEM LEVEL IV CERTIFICATION; A STATE OF SOUTH CAROLINA LVA OR LVU LICENSE; OR AN EOR'S STAMP, SHALL BE IDENTIFIED ON THE PLANS, ALONG WITH THE APPROPRIATE NUMBER AND SIGNATURE (SEE CHAPTER 10, SUBSECTION 10.5.1). AFTER APPROVAL, THE APPROVED PLANS MUST BE KEPT ON THE SITE AT ALL TIMES. NO WORK SHALL COMMENCE UNTIL APPROVAL OF THE SUBMITTED PLANS BY SFM.

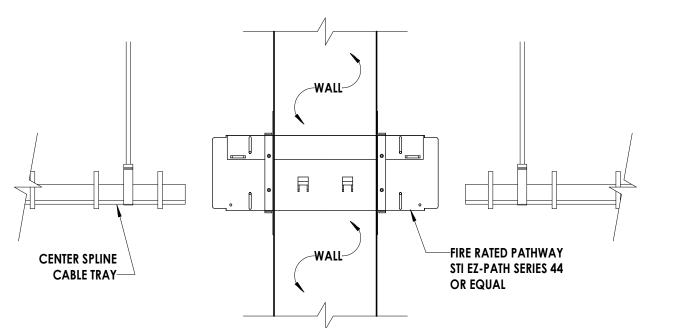
	FIRE ALARM CABLE SCH	EDULE	
TYPE	FUNCTION	SERVICE	DESIGN BASE
1	SIGNAL LINE CIRCUIT (ADDRESSABLE)	#18 T.S.P.	WEST PENN #D60975
2	24VDC/CONTROL	#14 U.T.P.	WEST PENN #60993B
3	NOTIFICATION APPLIANCE CIRCUIT (NAC)	#18 T.S.P.	WEST PENN #60975
4	NOTIFICATION APPLIANCE STROBE CIRCUIT (NAC)	#14 U.T.P.	WEST PENN #60993B
**NOTE	: ALL CABLES TO BE PLENUM RATED FIRE ALARM CABLES.		

#### **GENERAL NOTES**

- A. COORDINATE EXACT LOCATION OF CAMERAS WITH OWNER PRIOR TO ROUGH-IN. B. COORDINATE ALL ACCESS CONTROL DEVICES WITH OWNER AND DOOR
  - HARDWARE PRIOR TO ROUGH-IN.
  - C. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.
  - D. FOR EACH DUCT SMOKE DETECTOR INDICATED, PROVIDE REMOTE TEST STATE (RTS) MOUNTED FLUSH IN ACCESSIBLE CEILING NEAR DETECTOR AS INDICATED ON PLANS. GROUP RTS'S WHERE POSSIBLE AND LABEL WITH ADDRESS AND DAMPER CONTROLLED.
  - E. SMOKE DETECTORS SHALL BE PLACED A MINIMUM OF 3'-0" FROM MECHANICAL AIR SUPPLY DIFFUSERS.
  - F. MANUAL PULL STATIONS TO BE INSTALLED NO MORE THAN 5' FROM EXTERIOR DOORS AND ENTRANCE TO STAIRWELLS.
  - G. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER
  - H. PROVIDE SINGLE-GANG BOX WITH 1" CONDUIT FOR EXTERIOR CARD READERS TO ACCESSIBLE CEILING IN NEAREST CORRIDOR. COORDINATE WITH GENERAL CONTRACTOR TO PATCH AND REPAIR EXISTING BUILDING FACADE.
  - I. PROVIDE DOUBLE-GANG BOX WITH 1" CONDUIT FOR EXTERIOR CAMERAS TO ACCESSIBLE CEILING IN NEAREST CORRIDOR. COORDINATE WITH GENERAL CONTRACTOR TO PATCH AND REPAIR EXISTING BUILDING FACADE.

# X SYSTEMS PLAN NOTES:

1. TWO(2) 3" SLEEVED HOLES FOR PATHWAY BETWEEN DATA/IT 1105 AND IT 2109. PATHWAY SHOULD CONNECT DIRECTLY BETWEEN BOTH DATA/IT ROOMS. FIELD DETERMINE AND COORDINATE EXACT ROUTE.



FIRE ALARM RISER DIAGRAM E401 NOT TO SCALE

FIRE ALARM

CONTROL PANEL

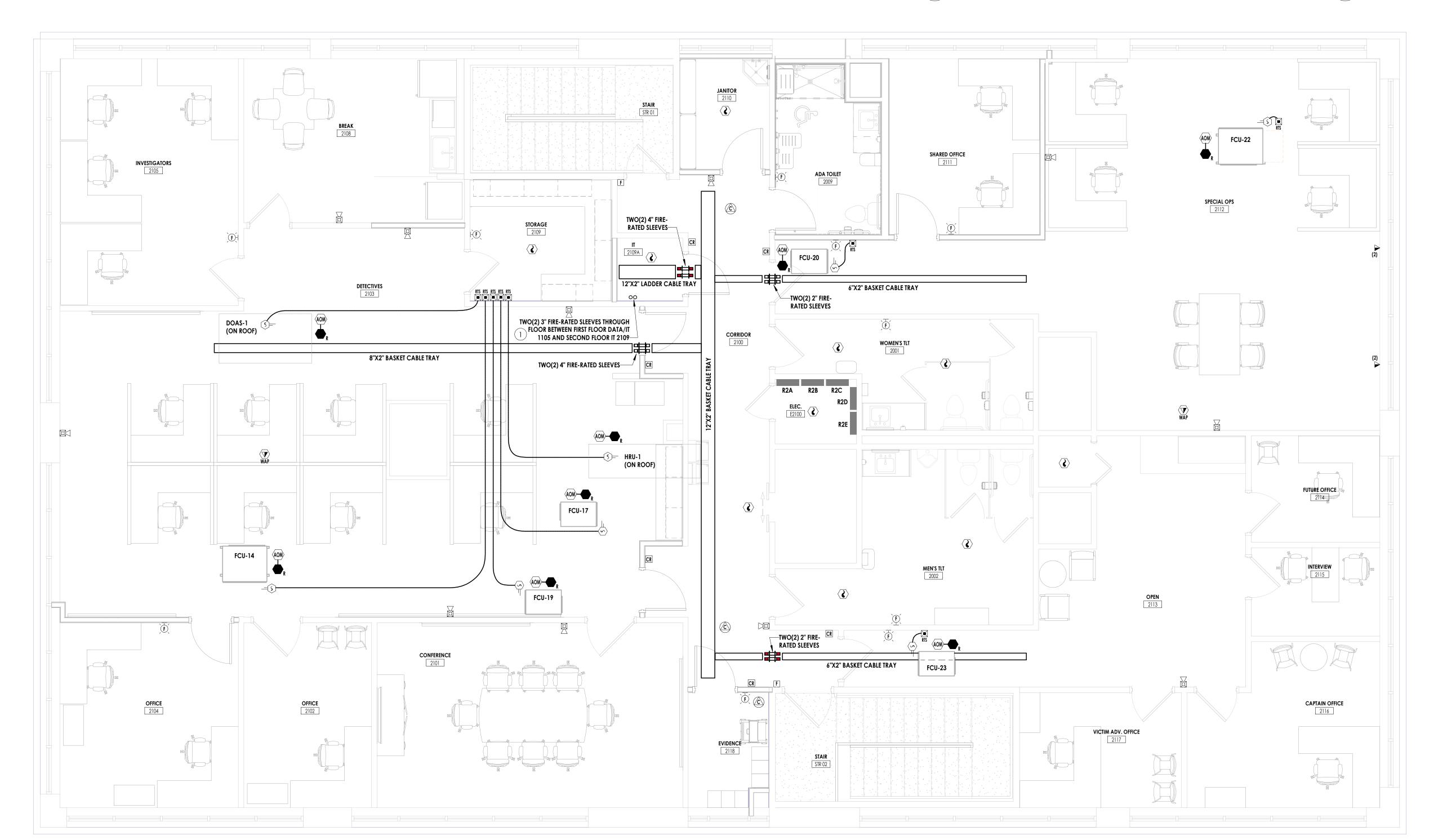
(FACP)

**ELECTRICAL** 

IP DACT

**BATTERY** 





**ELECTRICAL - LEVEL 2 - SYSTEMS PLAN** 

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CPLteam.com

PROJECT INFORMATION

R23.00720.00

YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS





SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

Drawing Title ELECTRICAL - LEVEL 2 - SYSTEMS

Drawing Number

E401

- A. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON E900 FOR CIRCUITING AND WIRING REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT.
- B. REFER TO ELECTRICAL SYSTEMS PLANS E400 AND E401 FOR DUCT SMOKE DETECTOR LOCATIONS AND SCOPE OF WORK.
- C. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- D. COORDINATE EXACT NAME DESIGNATION OF HVAC EQUIPMENT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO LABELING OF DISCONNECT AND PANEL DIRECTORY.
- E. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.
- F. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.



#### PROJECT INFORMATION

R23.00720.00 YORK COUNTY, SC

Project Name DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730

PROFESSIONAL STAMPS





# SHEET INFORMATION

05/09/2024 Project Status 100% CONSTRUCTION DOCUMENTS Drawn By

Drawing Title

ELECTRICAL - LEVEL 1 -EQUIPMENT CONNECTION PLAN



- A. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON E900 FOR CIRCUITING AND WIRING REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT.
- B. REFER TO ELECTRICAL SYSTEMS PLANS E400 AND E401 FOR DUCT SMOKE DETECTOR LOCATIONS AND SCOPE OF WORK.
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- E. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.
- F. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.



#### PROJECT INFORMATION

R23.00720.00

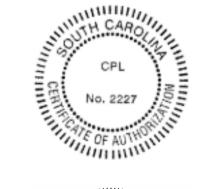
Project Number

Project Name

YORK COUNTY, SC

DISTRICT 3 SHERIFF'S OFFICE

Project Address 236 Northpark Drive, Rock Hill, SC 29730





# SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS

Drawn By MSR Drawing Title

ELECTRICAL - LEVEL 2 -EQUIPMENT CONNECTION PLAN



1 ELECTRICAL - ROOF - EQUIPMENT CONNECTION PLAN
E502 1/4" = 1'-0"

### **GENERAL NOTES**

- A. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON E900 FOR CIRCUITING AND WIRING REQUIREMENTS FOR MECHANICAL AND PLUMBING EQUIPMENT.
- B. REFER TO ELECTRICAL SYSTEMS PLANS E400 AND E401 FOR DUCT SMOKE DETECTOR LOCATIONS AND SCOPE OF WORK.
- C. COORDINATE EXACT CIRCUIT REQUIREMENTS WITH ACTUAL EQUIPMENT NAMEPLATE PRIOR TO WORK.
- D. COORDINATE EXACT NAME DESIGNATION OF HVAC EQUIPMENT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO LABELING OF DISCONNECT AND PANEL DIRECTORY.
- E. FOR ALL PANELS AND OTHER ELECTRICAL EQUIPMENT, MAINTAIN MINIMUM WORKING CLEARANCES IN THE DIRECTION OF LIVE PARTS PER NEC 110.26.
- F. ALL CONDUITS SHALL BE SEALED WATERTIGHT ON INTERIOR AND EXTERIOR OF EQUIPMENT AND BUILDING TO PREVENT MOISTURE INFILTRATION. SEALANTS SHALL BE LISTED AND IDENTIFIED FOR USE WITH CABLE INSULATION OR OTHER COMPONENTS.

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PROJECT INFORMATION

R23.00720.00 YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

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SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS

Drawn By Checked By
JMH MSR Drawing Title
ELECTRICAL - ROOF - EQUIPMENT

CONNECTION PLAN

			VOLTAGE:	208/120	3 PH 4W				AIC RATING:	10K	REMARKS:		
	PANEL	R1A	FEEDER AMP:	200	MAINS:	225		MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING-RELO)	LUGS:			FEED:		ТОР	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPTION	l	VA	CKT	PHASE		CKT	VA	LOAD DESCR	IPTION	NOTE	BKF
30/1	N	Rec-Data/IT 1105		1000	1	Α		2	720	Rec-Fitness 11	01	R	20/
30/1	N	Rec-Data/IT 1105		1000	3	В		4	180	Dedicated Red	:-Fitness 1101	R	20/
20/1	R	Rec-Data/IT 1105		360	5		С	6	180	Dedicated Red	:-Fitness 1101	R	20/
20/1	R	Rec-Data/IT 1105		360	7	Α		8	180	Dedicated Red	:-Fitness 1101	R	20/
20/1	R	Rec-Data/IT 1105		360	9	В		10	0	Spare		Е	20/1
20/1	R	Rec-Data/IT 1105		360	11		С	12	0	Spare		E	20/1
20/1	R	Rec-Corr1100,Stor1102,Data	ı/IT 1105,Undr Strs	1260	13	Α		14	0	Spare		E	20/1
20/1	R	Refrig-Break 1103		1500	15	В		16	0	Spare		E	20/1
20/1	R	Dedicated Rec Counter	-Break 1103	180	17		c	18	0	Spare		E	20/1
20/1	R	Dedicated Rec Counter	-Break 1103	180	19	Α		20	0	Spare		E	20/1
20/1	N	Dedicated Rec Counter	-Break 1103	180	21	В		22	0	Space		E	
20/1	N,G	Ice Machine-Break 1	103	1500	23		c	24	0	Space		E	
20/1	N,G	Vending-Break 1103		1500	25	Α		26	0	Space		E	
20/1	N	Rec-Break 1103		720	27	В		28	0	Space		E	
	E	Space		0	29		c	30	0	Space		E	
		Connected	d Load Per Phase	PH A:	5200	PH B:		3940	PH C:	2580			
		Lighting	HVAC	Motors	Recept.	Refrig		Kitchen	Misc		Total VA	Amps	
C	onnected VA	0	0	0	11720	0		0	0		11720	32.5	
De	mand Factor	1.25	1.00	1.00	NEC	1.00		1.00	1.00				
	Demand VA	0	0	0	10860	0		0	0		10860	30.1	

			VOLTAGE:	208/120	3 PH 4W				AIC RATING:	10K	REMARKS:		
	PANEL	R1B	FEEDER AMP:	200	MAINS:	22	5	MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING-RELO)	LUGS:			FEED:		TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPTION	N	VA	CKT	PHA	SE	CKT	VA	LOAD DESCRIP	TION	NOTE	BKR
20/1	R	Lts-Corr,Stor,Break,Fit	iness	555	1	Α		2	720	Floorbox-Multip	urpose	R	20/1
20/1	R	Lts-Multi-Purpose 110	)4	972	3	В		4	720	Floorbox-Multip	urpose	R	20/1
20/1	N,LO	Lts-Stair STR01 & Stor	Under Stairs	201	5		С	6	900	Rec-Multi-Purpo	se Front	R	20/1
20/2	N	DSI-1/DSO-1 in Data	'IT	1248	7	Α		8	900	Rec-Multi-Purpose	Right Side/Back	R	20/1
$\downarrow$	<b>\</b>	<b>\</b>		1248	9	В		10	900	Rec-Multi-Purpo	se Left Side/Back	R	20/1
20/1	R	WH-2 Above Ceiling	in Break	1200	11		С	12	0	Spare		R	20/1
20/1	R	Spare		0	13	Α		14	0	Spare		R	20/1
20/1	E	Spare		0	15	В		16	0	Spare		R	20/1
20/1	E	Spare		0	17		С	18	0	Spare		R	20/1
20/1	E	Spare		0	19	Α		20	0	Spare		R	20/1
	E	Space		0	21	В		22	0	Space		E	
15/2	N	FC-1, FC-2, & FC-3		458	23		С	24	0	Space		E	
$\downarrow$	<b>1</b>	<b>\</b>		458	25	Α		26	0	Space		Е	
15/2	N	FC-4, FC-5, FC-6, & F	C-7	344	27	В		28	0	Space		E	
$\downarrow$	<b>1</b>	$\downarrow$		344	29		С	30	0	Space		Е	
		Connecte	ed Load Per Phase	PH A:	3881	PH	B:	4184	PH C:	3103			
		Lighting	HVAC	Motors	Recept.	Ref	rig	Kitchen	Misc		Total VA	Amps	,
C	onnected VA	1728	4100	0	4140	0		0	1200		11168	31.0	
De	mand Factor	r 1.25	1.00	1.00	NEC	1.0	00	1.00	1.00				
	Demand VA	2160	4100	0	4140	0		0	1200		11600	32.2	

			VOLTAGE:	208/120	3 PH 4W			AIC RATING:	10K	REMARKS:	·	
	PANEL	R1C	FEEDER AMP:	200	MAINS:	225	MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING)	LUGS:			FEED:	TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPT	ON	VA	CKT	PHASE	СКТ	VA	LOAD DESCR	IPTION	NOTE	BKR
20/1	R	Rec-Lobby 1201		720	1	Α	2	606	Lts-Recep,Lobby	y,Sergeant Wrk,Office	R	20/1
20/1	R	Rec-Reception 12	02 Printer	500	3	В	4	0	Spare		R	20/1
20/1	R	Rec-Reception 12	02	1260	5	c	6	0	Spare		R	20/1
40/2	R	Spare		0	7	Α	8	0	Spare		R	20/1
$\downarrow$	<b>1</b>	<b>1</b>		0	9	В	10	0	Spare		R	20/1
20/1	R	Rec-Sergeant Wo	rk Area 1203	1440	11	c	12	0	Spare		R	20/1
20/1	R	Rec-Office 1204		1260	13	Α	14	0	Spare		R	20/1
20/1	R	Rec-Office 1204 P	rinter	500	15	В	16	0	Spare		R	20/1
20/1	R	Rec-Sergeant Wo	rk Area 1203	1260	17	C	18	0	Spare		R	20/1
20/1	R	Rec-Recep 1202,	ergeant Wk 1203	1080	19	Α	20	0	Spare		R	20/1
	Е	Space		0	21	В	22	0	Space		E	
	Е	Space		0	23	c	24	437	FCU-8 thru FCI	J-11	N	15/2
	Е	Space		0	25	Α	26	437	<b>↓</b>		<u> </u>	<b>1</b>
	Е	Space		0	27	В	28	1487	DSI-3 & DSO-3	in Elev Equip Rm	N	25/2
	Е	Space		0	29	c	30	1487	↓		<b>1</b>	<b>1</b>
		Conne	cted Load Per Phase	PH A:	4103	PH B:	2487	PH C:	5884			
		Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc		Total VA	Amps	
С	onnected VA	606	3848	0	8020	0	0	0		12474	34.6	
De	emand Factor	1.25	1.00	1.00	NEC	1.00	1.00	1.00				
	Demand VA		3848	0	8020	0	0	0		12626	35.0	

			VOLTAGE:	208/120	3 PH 4W			AIC RATING:	10K	REMARKS:		
	PANEL	R1D	FEEDER AMP:	200	MAINS:	225	MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING)	LUGS:		·	FEED:	TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPTI	ON	VA	СКТ	PHASE	CKT	VA	LOAD DESCRI	PTION	NOTE	BKR
20/1	R	Lts-Patrol Division		606	1	Α	2	0	Spare		R	20/1
20/1	N,LO	Lts-Stair STR02 & St	or Under Stairs	219	3	В	4	0	Spare		R	20/
20/1	Е	Spare		0	5	C	6	720	Power Pole-Pati	ol Division	R	20/
40/2	R	Spare		0	7	Α	8	720	Power Pole-Pati	ol Division	R	20/
$\downarrow$	<b>1</b>	<b>1</b>		0	9	В	10	900	Rec-Patrol Divis	ion	R	20/
20/1	E	Spare		0	11	С	12	1080	Rec-Patrol Divis	ion	R	20/
20/1	Е	Spare		0	13	A	14	900	Rec-Patrol Divis	ion	R	20/
20/1	Е	Spare		0	15	В	16	900	Rec-Patrol Divis	ion & Under Stairs	R	20/
20/1	Е	Spare		0	17	С	18	1500	Rec-Patrol Divis	ion Copier	R	20/
20/1	Е	Spare		0	19	A	20	540	Rec-Patrol Divis	ion	R	20/
	Е	Space		0	21	В	22	0	Space		E	
	Е	Space		0	23	С	24	0	Space		E	
	Е	Space		0	25	Α	26	0	Space		E	
15/2	N	FCU-12 & BS-1		312	27	В	28	0	Space		E	
$\downarrow$	↓ ↓	<u> </u>		312	29	С	30	0	Space		E	
		Connec	cted Load Per Phase	PH A:	2766	PH B:	2331	PH C:	3612			
		Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc		Total VA	Amps	
C	onnected VA	825	624	0	7260	0	0	0		8709	24.2	
De	mand Facto	r 1.25	1.00	1.00	NEC	1.00	1.00	1.00				
	Demand VA		624	0	7260	0	0	0		8915	24.7	

			VOLTAGE:	208/120	3 PH 4W				AIC RATING:	10K	REMARKS:		
	PANEL	R2A	FEEDER AMP:	200	MAINS:	225		MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING)	LUGS:			FEED:		TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPTIO	N	VA	CKT	PHAS	E	CKT	VA	LOAD DESCRI	PTION	NOTE	BKI
20/1	R	Rec-Detectives Cop	oier	1500	1	Α		2	1500	Rec-Investigate	ors 2105 Copier	R	20/
20/1	R	Rec-Detectives 210	3	1080	3	В		4	1080	Rec-Investigate	ors 2105	R	20/
20/1	R	Rec-Storage 2109		1080	5		С	6	900	Rec-Investigate	ors 2105	R	20/
20/1	N,G	Rec-Break 2108		1000	7	Α		8	412	Lts-Stor,Break,Ir	nvestigators	R	20/
20/1	N,G	Rec-Break 2108		180	9	В		10	569	Lts-Detectives		R	20/
20/1	R	Rec-Storage 2109		720	11		С	12	480	Lts-Offices & Co	onference	R	20/
20/1	R	Rec-Storage 2109		900	13	Α		14	0	Spare		R	20/
20/1	R	Rec-Break 2108		180	15	В		16	0	Spare		R	20,
20/1	R	Rec-Break 2108		180	17		С	18	1200	WH-3		R	20/
20/1	R	Rec-Break 2108		540	19	Α		20	1248	DSI-2 & DSO-2		N	20/
	E	Space		0	21	В		22	1248	<u> </u>		<b>1</b>	1
	E	Space		0	23		С	24	260	FCU-15,FCU-16	& BS-2	N	15/
	Е	Space		0	25	Α		26	260	<b>1</b>		<b>1</b>	1
30/2	N	WH-1		1798	27	В		28	500	FCU-13,FCU-14,F0	CU-17,FCU-18 & FCU-19	N	15/
$\downarrow$	<b>↓</b>	<b></b>		1798	29		С	30	500	<b>1</b>		<b>1</b>	1
		Connect	ed Load Per Phase	PH A:	7360	PH B	:	6635	PH C:	7118			
		Lighting	HVAC	Motors	Recept.	Refriç	9	Kitchen	Misc		Total VA	Amps	
Co	onnected V	<b>A</b> 1461	4016	0	10840	0		0	4796		21113	58.6	
De	mand Facto	r 1.25	1.00	1.00	NEC	1.00		1.00	1.00				
	Demand VA	<b>A</b> 1826	4016	0	10420	0		0	4796		21058	58.5	

			VOLTAGE:	208/120	3 PH 4W				AIC RATING:	10K	REMARKS:		
	PANEL	R2B	FEEDER AMP:	200	MAINS:	225		MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING)	LUGS:			FEED:		TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPT	ION	VA	CKT	PHAS	E	CKT	VA	LOAD DESCR	PTION	NOTE	BKR
20/1	R	Rec-Detectives 2	103 Copier	1500	1	Α		2	1080	Rec& Firbox-C	onference	R	20/1
20/1	R	Rec-Detectives 2	103 N Walls	1080	3	В		4	900	Rec-Conferen	ce	R	20/1
20/1	R	Rec-Detectives 2	103 S Walls	1080	5		С	6	720	Rec-Office 210	)2	R	20/1
40/2	R	Spare		0	7	Α		8	1260	Rec-Office 210	)4	R	20/1
$\downarrow$	<b>\</b>	↓		0	9	В		10	360	Rec-IT		R	20/1
20/1	R	Rec-Detectives 2	103 Counter	360	11		С	12	360	Rec-IT		R	20/1
20/1	R	Rec-Cubicles & N	iddle Wall	900	13	Α		14	1000	Rec-IT		N	30/1
20/1	R	Rec-Cubicles & N	iddle Wall	900	15	В		16	0	Spare		Е	20/1
20/1	R	Power Pole-Cubic	eles	720	17		С	18	0	Spare		Е	20/1
20/1	R	Power Pole-Cubic	eles	720	19	Α		20	0	Spare		Е	20/1
	Е	Space		0	21	В		22	0	Space		E	
	Е	Space		0	23		С	24	0	Space		Е	
	Е	Space		0	25	Α		26	0	Space		Е	
	Е	Space		0	27	В		28	0	Space		Е	
	Е	Space		0	29		С	30	0	Space		E	
		Conne	cted Load Per Phase	PH A:	6460	PH B:	:	3240	PH C:	3240			
		Lighting	HVAC	Motors	Recept.	Refrig	)	Kitchen	Misc		Total VA	Amps	
С	onnected VA	. 0	0	0	12940	0		0	0		12940	35.9	
De	emand Factor	1.25	1.00	1.00	NEC	1.00		1.00	1.00				
	Demand VA	. 0	0	0	11470	0		0	0		11470	31.8	

			VOLTAGE:	208/120	3 PH 4W				AIC RATING:	10K	REMARKS:		
	PANEL	R2C	FEEDER AMP:	200	MAINS:	225		MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING)	LUGS:			FEED:		TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPT	ION	VA	СКТ	PHASE	•	СКТ	VA	LOAD DESCRIP	TION	NOTE	BKR
20/1	R	Lts-1st Flr Corr, Rstr	ms,ElevRm,Data/IT	591	1	Α		2	500	Water Fountain	1st Floor	R	20/1
20/1	R	Lts-2nd Fir Corr,Rs	hrms,Elec,Jan,IT	658	3	В		4	500	Water Fountain	2nd Floor	R	20/1
20/1	N,LO	Em Lts & Exit Signs	1st Floor	900	5		С	6	300	Photocell-Pole L	ts & Sign Lights	R	20/1
20/1	N,LO	Em Lts & Exit Signs	2nd Floor	900	7	Α		8	1500	Water Heater Ab	ov Clng Mens 1215	Е	20/
20/1	R	Spare		0	9	В		10	1260	Rec-1st Flr Corr, Rs	trms,& ElevMachRm	R	20/
20/1	R	Spare		0	11		С	12	1440	Rec-2nd Fir Corr,Rstr	ms,Jan,IT&Evidence	R	20/
30/3	R	Exterior Pole Light	s	1000	13	Α		14	0	Spare		R	20/
<b>1</b>	$\downarrow$	↓		1000	15	В		16	500	Elevator Cab Lts		E,G	20/
$\downarrow$	$\downarrow$	↓		1000	17		С	18	500	Elevator Pit		E	20/
20/1	Е	Irrigation		500	19	Α		20	360	Emergency Res	ponder-BDA System	R	20/
20/1	R	Sign		500	21	В		22	720	Rec-Elec E2100		R	20/
20/1	N,LO	Exterior Building L	ights	80	23		С	24	0	Space		E	
20/1	R	Spare		0	25	Α		26	0	Spare		R	20/
20/1	N,FA,LO	FACP		500	27	В		28	0	Space		E	
20/1	N,FA,LO	NAC		500	29		С	30	0	Space		E	
		Conne	cted Load Per Phase	PH A:	5351	PH B:		5638	PH C:	4720			
		Lighting	HVAC	Motors	Recept.	Refrig		Kitchen	Misc		Total VA	Amps	
Co	nnected VA	6929	0	0	4780	0		0	4000		15709	43.6	
De	mand Factor	1.25	1.00	1.00	NEC	1.00		1.00	1.00				
	Demand VA	8661	0	0	4780	0		0	4000		17441	48.4	

			VOLTAGE:	208/120	3 PH 4W			AIC RATING:	10K	REMARKS:		
	DANIEL	DOD		,	1			1				
	PANEL	R2D	FEEDER AMP:	200	MAINS:	225	MCB	MOUNTING:	SURFACE	Square D NQOD		
		(EXISTING)	LUGS:			FEED:	TOP	ENCLOSURE:	NEMA 1			
BKR	NOTE	LOAD DESCRIPTI	ON	VA	CKT	PHASE	CKT	VA	LOAD DESCR	IPTION	NOTE	BKR
20/1	R	Lts-Special Ops &	Shared Office	566	1	Α	2	1260	Rec-Shared O	ffice 2111	R	20/1
20/1	R	Lts-Open,Clst,Offic	ces,Interview	546	3	В	4	900	Rec-Special O	PS 2112	R	20/1
20/1	Е	Spare		0	5	C	6	1080	Rec-Special O	PS 2112	R	20/1
40/2	R	Spare		0	7	Α	8	1080	Rec-Special O	PS 2112	R	20/1
$\downarrow$	<b>1</b>	<u> </u>		0	9	В	10	0	Spare		E	20/1
20/1	E	Spare		0	11	C	12	0	Spare		E	20/1
20/1	E	Spare		0	13	Α	14	0	Spare		E	20/1
20/1	Е	Spare		0	15	В	16	0	Spare		E	20/1
20/1	Е	Spare		0	17	C	18	600	EF-1 & EF-2		R	15/1
60/3	N	HRU-1A		5274	19	Α	20	480	EF-3 & EF-4		R	15/1
<b></b>	<b>1</b>	<u> </u>		5274	21	В	22	0	Space		E	
$\downarrow$	<b>1</b>	<u> </u>		5274	23		24	500	FCU-23 thru FC	CU-27 & BS-3	N	15/2
60/3	N	HRU-1B		5274	25	Α	26	500	<u> </u>		<u> </u>	<b>1</b>
$\downarrow$	<b>1</b>	<u> </u>		5274	27	В	28	354	FCU-20,FCU-21	& FCU-22	N	15/2
$\downarrow$	<b>1</b>	<u> </u>		5274	29	C	30	354	<u> </u>		<u> </u>	<b>1</b>
		Connec	cted Load Per Phase	PH A:	14434	PH B:	12348	PH C:	13082			
		Lighting	HVAC	Motors	Recept.	Refrig	Kitchen	Misc		Total VA	Amps	
С	onnected V	<b>A</b> 1112	34432	0	4320	0	0	0		39864	110.7	
De	emand Facto	or 1.25	1.00	1.00	NEC	1.00	1.00	1.00				
	Demand V	-	34432	0	4320	0	0	0		40142	111.4	

PANEL			VOLTAGE:	208/120	3 PH 4W				AIC RATING:	10K	REMARKS:		
		R2E (EXISTING)	FEEDER AMP:	200	MAINS:	225 MCB FEED: TOP		MOUNTING: ENCLOSURE:	SURFACE	Square D NQOD			
			LUGS:						NEMA 1				
BKR	NOTE	LOAD DESCRIPT	ION	VA	СКТ	PHAS	SE	СКТ	VA	LOAD DESCRIP	PTION	NOTE	BKF
20/1	R	Spare		0	1	Α		2	900	Rec-Open 2113	1	R	20/
20/1	R	Spare		0	3	В		4	900	Rec-Victim Adv	. Office 2117	R	20/
20/1	R	Spare		0	5		С	6	1260	Rec-Captain Of	fice 2116	R	20/
40/2	R	Spare		0	7	Α		8	720	Rec-Interview 2	115 & Office 2114	R	20/
$\downarrow$	$\downarrow$	<b>1</b>		0	9	В		10	720	Rec-Office 2114	I	R	20/
20/1	R	Spare		0	11		С	12	180	Rec-Open 2113	Counter	R	20/
20/1	Е	Spare		0	13	Α		14	180	Rec-Open 2113	Counter	R	20/
20/1	Е	Spare		0	15	В		16	180	Rec-Open 2113	Counter	R	20/
20/1	Е	Spare		0	17		С	18	180	Rec-Open 2113	Counter	R	20/
20/1	Е	Spare		0	19	Α		20	0	Spare Space Space		Е	20/
	Е	Space		0	21	В		22	0			E	
	Е	Space		0	23		С	24	0			E	
	Е	Space			25	Α		26	0	Space		E	
	Е	Space			27	В		28	0	0 Space		E	
	Е	Space		0	29		С	30	0	Space		E	
				9675		Α			0				
110/3	SUB	DOAS-1	9674	9674		В			0				
				9674					0				
Connected Load Per Phase			PH A:	11475	PH E	3:	11474	PH C:	11294				
		Lighting	HVAC	Motors	Recept.	Refri	ig	Kitchen	Misc		Total VA	Amps	
Connected VA 0 29023			0	5220	0		0	0		34243	95.1		
Demand Factor		r 1.25	1.00	1.00	NEC	1.00	)	1.00	1.00				
Demand VA		<b>A</b> 0	29023	0	5220	0		0	0		34243	95.1	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE											
	UNIT	LOAD INFORMATION CENTER									
TAG	DESCRIPTION	LOCATION	POWER SOURCE	MCA	VOLTS	PHASE	MIN. BRANCH CKT CONDUCTORS	CIRCUIT BREAKER	SCOPE OF WORK REQUIRED		
BS-1	Heat Recovery Branch Unit	Men 1215	R1D-27/29	1.2	208	1	2#12, #12G; 1/2"C	20A-2P	2		
BS-2	Heat Recovery Branch Unit	Storage 2109	R2A-24/26	8.0	208	1	2#12, #12G; 1/2"C	20A-2P	2		
BS-3	Heat Recovery Branch Unit	Men's Tit 2002	R2D-24/26	0.8	208	1	2#12, #12G; 1/2"C	20A-2P	2		
DOAS-1	Dedicated Outdoor Air Unit	Rooftop	R2E	100.7	208	3	3#2, #8G; 1-1/4"C	110-3P	1,6,7		
DSI-1	Ductless Split System - Indoor	Data/IT 1105	R1B-7/9	1.0	208	1	2#12, #12G; 1/2"C	20A-2P	1,4		
DSO-1	Ductless Split System - Outdoor	Rooftop	R1B-7/9	11.0	208	1	2#12, #12G; 1/2"C		1,4,5		
DSI-2	Ductless Split System - Indoor	IT 2109A	R2A-20/22	1.0	208	1	2#12, #12G; 1/2"C	20A-2P	1,4		
DSO-2	Ductless Split System - Outdoor	Rooftop	R2A-20/22	11.0	208	1	2#12, #12G; 1/2"C	20/12:	1,4,5		
DSI-3	Ductless Split System - Indoor	Elev. Equip. Rm.	R1C-28/30	0.3	208	1	2#10, #10G; 1/2"C		1,4		
DSO-3	Ductless Split System - Outdoor	Rooftop	R1C-28/30	14.0	208	1	2#10, #10G; 1/2"C	207 21	1,4,5		
EF-1	Exhaust Fan	1st Fir Restrooms (Rooftop)	R2D-18	3.0	120	1	2#12, #12G; 1/2"C	15A-1P	1,3,6		
EF-2	Exhaust Fan	2nd Flr Restrooms (Rooftop)	R2D-18	2.0	120	1	2#12, #12G; 1/2"C	15A-1P	1,3,6		
EF-3	Exhaust Fan	Janitor 2110 (Rooftop)	R2D-20	2.0	120	1	2#12, #12G; 1/2"C	15A-1P	1,3,6		
EF-4	Exhaust Fan	Evidence 2118 (Rooftop)	R2D-20	2.0	120	1	2#12, #12G; 1/2"C	15A-1P	1,3,6		
HRU-1A	VRF Heat Recovery Unit	Rooftop	R2D-19/21/23	54.9	208	3	3#4, #10G; 1-1/4"C	60A-3P	2,6		
HRU-1B	VRF Heat Recovery Unit	Rooftop	R2D-19/21/23	54.9	208	3	3#4, #10G; 1-1/4"C	60A-3P	2,6		
	·										
FCU-1	VRF Heat Recovery Fan Coil Unit	Multi-Purpose 1104	R1B-23/25	1.8	208	1	2#10, #10G; 1/2"C	15A-2P	1,6,8		
FCU-2	VRF Heat Recovery Fan Coil Unit	Multi-Purpose 1104	R1B-23/25	1.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-3	VRF Heat Recovery Fan Coil Unit	Storage 1102	R1B-23/25	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-4 FCU-5	VRF Heat Recovery Fan Coil Unit	Fitness 1101 Fitness 1101	R1B-27/29	0.8	208 208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-6	VRF Heat Recovery Fan Coil Unit VRF Heat Recovery Fan Coil Unit	Break 1103	R1B-27/29 R1B-27/29	0.8	208	1	2#12, #12G; 1/2"C 2#12, #12G; 1/2"C	15A-2P 15A-2P	1,6,8 1,6,8		
FCU-7	VRF Heat Recovery Fan Coil Unit	Corridor 1001	R1B-27/29	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-8	VRF Heat Recovery Fan Coil Unit	Lobby 1201	R1C-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-9	VRF Heat Recovery Fan Coil Unit	Reception 1202	R1C-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-10	VRF Heat Recovery Fan Coil Unit	Sergeant Work Area 1203	R1C-24/26	1.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-11	VRF Heat Recovery Fan Coil Unit	Office 1204	R1C-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-12	VRF Heat Recovery Fan Coil Unit	Patrol Division 1300	R1D-27/29	1.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-13	VRF Heat Recovery Fan Coil Unit	Office 2104	R2A-28/30	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-14	VRF Heat Recovery Fan Coil Unit	Detectives 2103	R2A-28/30	1.6	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-15	VRF Heat Recovery Fan Coil Unit	Investigators 2105	R2A-24/26	0.9	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-16	VRF Heat Recovery Fan Coil Unit	Break 2108	R2A-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-17	VRF Heat Recovery Fan Coil Unit	Detectives 2103	R2A-28/30	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-18	VRF Heat Recovery Fan Coil Unit	Office 2102	R2A-28/30	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-19	VRF Heat Recovery Fan Coil Unit	Detectives 2103	R2A-28/30	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-20	VRF Heat Recovery Fan Coil Unit	Speical Ops 2112	R2D-28/30	8.0	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-21	VRF Heat Recovery Fan Coil Unit	Shared Office 2111	R2D-28/30	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-22	VRF Heat Recovery Fan Coil Unit	Speical Ops 2112	R2D-28/30	1.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-23	VRF Heat Recovery Fan Coil Unit	Open 2113	R2D-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-24	VRF Heat Recovery Fan Coil Unit	Future Office 2114	R2D-24/26	8.0	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-25	VRF Heat Recovery Fan Coil Unit	Interview 2115	R2D-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-26	VRF Heat Recovery Fan Coil Unit	Captain 2116	R2D-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
FCU-27	VRF Heat Recovery Fan Coil Unit	Victim Adv. Office 2117	R2D-24/26	0.8	208	1	2#12, #12G; 1/2"C	15A-2P	1,6,8		
EXWH	Existing Water Heater	Men 1215 (Above Ceiling)	R2C-8	9.6	208	1	Existing	20A-2P	9		
WH-1	Water Heater	Janitor 2110	R2A-27/29	21.6	208	1	2#10, #10G; 3/4"C	30A-2P	2		
WH-2	Water Heater	Break 1103 (Above Ceiling)	R1B-11	12.5	120	1	2#12, #12G; 1/2"C	20A-1P	2		
WH-3	Water Heater	Break 2108 (Above Ceiling)	R2A-18	12.5	120	1	2#12, #12G; 1/2"C	20A-1P	2		

Controlled through BMS system.

Provide motor starting switch with pilot light and H-O-A switch. Indoor unit (DSI) connects through outdoor unit (DSO). 5 Wire integral condensate pump through outdoor unit (DSO).

Disconnect switch furnished with equipment. Provide local disconnect switch for unit.

VFD furnished by division 23 for installation by electrical contractor.

8 Wire integral condensate pump through fan coil unit.

9 Disconnect and remove existing disconnect and provide new. Field verify existing circuit and provide new updated equipment label.



FLASH PROTECTION FLASH HAZARD CATEGORY:

MIN. ARC RATING (col.cm^2)

FLASH PROTECTION BOUNDARY:

PPE: (X) COTTON UNDERWEAR

( ) FR SHIRT AND PANTS (OR FR COVERALL)

(X) FULL FLASH SUIT AND HOOD

(X) SARTY GLASSES OR GOGGLES

( ) HADP HAT 208VAC SHOCK HARD WHEN: THE LOWER COVER IS OPEN PPE: (X) CLASS 40 ( ) V-RATING ( ) ( ) HARD HAT ( ) HEARING PROTECTION ( ) LEATHER GLOVES AND SHOES **EQUIPMENT ID: 15763** 

WARNING

AREA IN FRONT OF THIS ELECTRICAL PANEL MUST BE KEPT CLEAR FOR 36 INCHES OSHA-**NEC REGULATIONS** 

NOTE: ALL EXISTING AND NEW PANELS ARE REQUIRED TO HAVE A "WARNING"/"CLEARANCE" LABEL ON THEM. IF ONE DOES NOT EXIST THEN PLACE A NEW LABEL.

SCREW TO PANELBOARD COVER (TYP) PANEL 'MDP' 208/120V - 3Ø, 4W FED FROM UTILITY TRANSFORMER

---LAMINATED ENGRAVED NAMPELATE

SCREW TO PANELBOARD COVER (TYP) PANEL 'R1A' 208/120V - 3Ø, 4W FED FROM PANEL 'MDP' LAMINATED ENGRAVED NAMPELATE

NOTE: ALL PANELBOARDS, EXISTING AND NEW, SHALL HAVE A NEW NAMEPLATE. INFORMATION SHOWN IN THIS DETAIL ARE FOR REFERENCE ONLY. NAMEPLATE INFORMATION SHALL REFLECT PANELBOARD IT IS PLACED ON. FIELD VERIFY IF UNKNOWN.

TYPICAL PANELBOARD NAMEPLATES DETAILS E900 NOT TO SCALE

# **PANEL GENERAL NOTES:**

- A. EXISTING CIRCUIT DATA SHOWN IS TAKEN FROM EXISTING FACILITY DOCUMENTATION AND/OR FIELD OBSERVATION. FIELD VERIFY ALL CIRCUITS.
- B. VERIFY CIRCUITS ON EXISTING PANELS. ADJUST CIRCUITING AS REQUIRED TO MEET DESIGN INTENT OF
- DRAWINGS. TURN SPARE BREAKERS OFF.

PROVIDE NEW TYPEWRITTEN PANEL DIRECTORY TO REFLECT

- IN THESE DRAWINGS.
- D. REUSE EXISTING CIRCUIT BREAKERS WHERE POSSIBLE. PROVIDE NEW BREAKERS AS REQUIRED-TYPE, VOLTAGE RATING, AND AIC RATING TO MATCH EXISTING.
- E. PANEL SCHEDULES REFLECT STATUS AFTER PROPOSED WORK IS ST PROVIDE SHUNT-TRIP BREAKER

# **PANEL SCHEDULE NOTES:**

- E EXISTING CIRCUIT TO REMAIN
- EM EMERGENCY LIGHTING CIRCUIT
- FA PROVIDE RED HANDLED CIRCUIT BREAKER FOR FIRE ALARM
- G GROUND FAULT CIRCUIT INTERRUPTER BREAKER (GFCI)
- NEW CONDITIONS UPON COMPLETION OF WORK DESCRIBED LO PROVIDE HANDLE-CLAMP FOR CIRCUIT BREAKER
  - N PROVIDE NEW CIRCUIT BREAKER, TYPE, VOLTAGE RATING,
  - AND AIC RATING TO MATCH EXISTING R REVISED LOAD/DESCRIPTION FOR EXISTING CIRCUIT BREAKER

CPL | Architecture Engineering Planning 6302 Fairview Road Suite 102, Charlotte, NC 28210 CPLteam.com

PROJECT INFORMATION Project Number

R23.00720.00 YORK COUNTY, SC

Project Name

DISTRICT 3 SHERIFF'S OFFICE

236 Northpark Drive, Rock Hill, SC 29730

PROJECT ISSUE & REVISION SCHEDULE

PROFESSIONAL STAMPS





SHEET INFORMATION

05/09/2024 As indicated Project Status 100% CONSTRUCTION DOCUMENTS Drawn By Checked By JMH MSR

Drawing Title ELECTRICAL SCHEDULES