

Fayetteville Regional Airport Airline Terminal Improvements - Part 3

400 Airport Road
Fayetteville, North Carolina 28306
Owner: City of Fayetteville

A.I.P.: 3-37-0021-054-2022

BUILDING CODE SUMMARY

Name of Project: Fayetteville Regional Airport Airline Terminal Improvements - Part 3
Address: 400 Airport Road, Fayetteville, NC 28306
Owner or Authorized Agent: Tony Coleman, P.D., A.A.E. Phone #: 910-433-1625
e-mail: Tony.Coleman@FayettevilleNC.gov
Owned By: Private City/County State
Enforcement Jurisdiction: City County City/County
Name of Jurisdiction: City of Fayetteville

PROJECT SUMMARY: 1671 s.f. office renovation at Ticketing wing & VIP Lounge, 738 s.f. second floor addition at Concourse B, and re-roofing of Concourse B as well as Ticketing and Baggage Claim wings
Building Description: Existing building is primarily a concrete frame w/ built up roofing. New structures to be steel framed w/ low sloped metal deck & single ply metal roofs.
Scope of Work: Renovate existing space for additional airline office suite, add 738 s.f. for additional seating at Concourse B, clean stone coating off roofs described above and add 1" insulation & re-roof.
Code Compliance Summary: 2018 NCECC

Alternate Means of Compliance Request: n/a

Architect of Record: Gordon Johnson Architecture
Structural and Ties: Fleming and Associates
Fleming and Associates
Sarah Duncan, PE, Project Manager
1004 Hay Street
Fayetteville, North Carolina 28305
Ph: (910) 433-2925
e-mail: sdrum@flemingandassociates.com
NC License #: 039250

Mechanical, Plumbing, & Sprinkler / Standpipe: RNF Engineering
Electrical Communications, & Fire Alarm: RNF Engineering
Avery Morris, PE, Project Manager
Christina D. Caldwell, PE, Project Manager
873 Red Oak Boulevard, Suite 200
Charlotte, North Carolina 28217
Ph: (704) 904-6612
Cell: (919) 225-5110
e-mail: avery.morris@rnf.com
NC License #: 019474

Building Code: 2018 North Carolina State Building Code (NCECC) Chapter 34
 2009 NC Rehab
 2015 Existing Building Code
 Code Used for Reconstruction

New Building: New Building Shell Building First Time Interior Upfit
 Addition Alteration to Shell
Existing Building: Renovation Interior to Shell Tenant Alteration
 Reconstruction Repair Alteration to Shell
 Change of Use Tenant Space Change of Occupancy
Note: Zoning Review is Required for Change of Use or Occupancy

Original Occupancy: Mixed - A2, A3, B, M, S1
Proposed Occupancy: Mixed - A2, A3, B, M, S1

Primary Occupancies:
Assembly: A-1 A-2 A-3 A-4 A-5
Business: B-1 B-2
Educational: F-1 F-2
Factory-Industrial: H-1 H-2 H-3 H-4 H-5
High-Hazard: I-1 I-2 I-3 I-4
Institutional: I-1 I-2 I-3 I-4
I-3 USE CONDITION: 1 2 3 4 5
Mercantile: R-1 R-2 R-3 R-4
Residential: S-1 S-2 S-3 S-4
Storage: S-1 S-2 High-piled
5-1 SPECIAL CONDITION: Repair Garage (406.7)
5-1 SPECIAL CONDITION - Parking Garage: Open (406.5) Enclosed (406.6)
Utility and Miscellaneous:

Other Uses:
(508.2) Accessory Uses (Indicate Percentages): A-2, M, S-1
(504) Incidental Uses:

Special Occupancies: 402 403 404 405 406 407 408
 409 410 411 412 413 414 415
 416 417 418 419 420 421 422
 423 424 425 426 427 428 429
 430

Mixed Occupancy: No Yes Separation: 1 HR. at Tenant Spaces
Exception: 402.4.2.1 & 402.4.2.2
 Non-Separated Mixed Occupancy (508.3)
 Separated Mixed Occupancy (508.4)

Actual Area of Occupancy A: **NOT APPLICABLE** Area of Occupancy B: **NOT APPLICABLE**
Allowable Area of Occupancy A: **NOT APPLICABLE** Allowable Area of Occupancy B: **NOT APPLICABLE**

General Explanatory Notes:

- This building is not Occupancy Category 4 per Table I-1 of 2005 ASCE-7 therefore "Operational Access" described in 11.5.2 of 2005 ASCE-7 IS NOT REQUIRED.
- See Plumbing, Mechanical, & Electrical Drawings for fire rated penetration details (if required).

ALLOWABLE AREA AND HEIGHT CALCULATIONS
THIS SECTION REQUIRED FOR NEW ADDITION, CHANGE OF USE, AND INTERIOR COMPLETION

EXTERIOR WALL	ACTUAL LENGTH	OPEN LENGTH	WIDTH OF PUBLIC WAY OR OPEN SPACE
North	-	-	-
East	-	-	-
West	-	-	-
South	-	-	-
Total	-	P	F

INCREASE FRONTAGE SPRINKLERS N/A %
FRONTAGE INCREASE FORMULA ALLOWABLE AREA FORMULA
 $I_f = 100 (F/P - 0.25) W/30$

STORY NO.	OCCUPANCY	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA	(C) AREA FOR INCREASE	(D) AREA FOR SPRINKLER INCREASE	(E) ALLOWABLE AREA / UNLIMITED	(F) MAXIMUM BUILDING AREA	SEPARATION RATING REQUIRED
First	Mixed	52,600	n/a	n/a	n/a	Unlimited	n/a	402.4.2.1
Second	Mixed	46,013	n/a	n/a	n/a	Unlimited	n/a	402.4.2.1

Open space area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space has a minimum width = _____ ft. (F)
b. Total Building Perimeter = _____ ft. (P)
c. Ratio (F/P) = _____ (F/P)
d. $W = \text{Minimum of } (100 / (F/P)) \text{ or } (100 / (F/P - 0.25)) \text{ ft. (W)}$
e. Percent of increase, $I_f = 100 (F/P - 0.25) W/30$ (%)

ALLOWABLE HEIGHT

Most Restrictive Use (Group)	ALLOWABLE HEIGHT (TABLE 504.3)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Type: IIB	Type: IIB	Type: IIB	Table 601
Building Height in Ft.	H = 55 ft.	H + 20' = 75 ft.	H = 34 ft.	Table 504.3
Building Height in Stories	5 = 2	5 + 1 = 3	5 = 2	Table 504.4

BUILDING DATA
THIS SECTION REQUIRED FOR ALL PROJECTS

Construction Type: I-A I-B II-A II-B III-A III-B
 IV-HT V-A V-B
Mixed Construction: No Yes Types: _____
Sprinklers: No Yes NFPA 13 NFPA 13R
 Partially Sprinklered Special Suppression
Standpipes: No Yes Class: I II III Wet Dry
Fire District: No Yes (Appendix D) Flood Hazard
Building Height: 34 Feet 2 Story
Basement: No Yes Mezzanine: No Yes
Highrise: No Yes Life Safety Plan Sheet # (if provided): N/A

Gross Building Area:

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
Basement	n/a	n/a	n/a
Ground Floor	52,600	0	52,600
Mezzanine	0	0	0
2nd Floor	45,215	738	46,013
3rd Floor	n/a	n/a	n/a
Total	97,815	738	98,553

Area of Project Tenant / Alt. / Renov.: 2,415 Area of Construction: 2,415

FIRE PROTECTION REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Life Safety Plan Sheet #, if Provided: -

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING	REQ'D*	PROVIDED (W / U, L, HR* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Bearing walls Exterior								
North	-	N/A	-	-	-	-	-	-
East	-	N/A	-	-	-	-	-	-
West	-	N/A	-	-	-	-	-	-
South	-	N/A	-	-	-	-	-	-
Interior Bearing Walls	-	0	-	-	-	-	-	-
Non-bearing walls Exterior								
North	>	60	0	0	-	-	-	-
East	>	60	0	0	-	-	-	-
West	>	60	0	0	-	-	-	-
South	>	60	0	0	-	-	-	-
Interior Non Bearing Walls	-	0	0	0	-	-	-	-
Structural frame, including columns, girders, trusses	-	0	0	0	-	-	-	-
Floor construction including supporting beams & joists. List construction type.	-	0	0	0	-	-	-	-
Floor ceiling assembly	-	0	0	0	-	-	-	-
Columns supporting floors	-	0	0	0	-	-	-	-
Floor construction, including supporting beams & joists**	-	0	0	0	-	-	-	-
Floor ceiling assembly	-	0	0	0	-	-	-	-
Columns supporting roof	-	0	0	0	-	-	-	-
Shall - Exit Enclosures	-	0	1	Existing	-	-	-	-
Shall - Other (Elevator)	-	1	1	Existing	-	-	-	-
Corridor Separation	-	0	0	0	-	-	-	-
Occupancy Separation	-	0	0	0	-	-	-	-
Party / Fire Wall Separation	-	N/A	-	-	-	-	-	-
Incidental Use Separation	-	N/A	-	-	-	-	-	-
Duell / Sleep Unit Separation	-	N/A	-	-	-	-	-	-
Smoke Barrier Separation	-	N/A	-	-	-	-	-	-
Tenant Separation	-	1	1	Existing	-	-	-	-

SEE MECHANICAL, ELECTRICAL, PLUMBING, DRAWINGS

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Allowable openings per Table 105.8
Unlimited per 105.8.1.2

PERCENTAGE OF WALL OPENING CALCULATIONS
THIS SECTION FOR ADDITIONS, NEW AND CHANGE OF USE

Fire Partitions T01 Fire Walls T06 Fire Barriers T07 Smoke Partitions T11 Smoke Barriers T10 Shaft Enclosure T08

LIFE SAFETY SYSTEM REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Emergency Lighting: No Yes
Exit Signs: No Yes
Fire Alarm: No Yes
Smoke Detection Systems: No Yes
Panic Hardware: No Yes

EXIT REQUIREMENTS
NUMBER AND ARRANGEMENT OF EXITS
THIS SECTION REQUIRED FOR ALL PROJECTS

FLOOR, ROOM AND / OR SPACE DESIGNATION	MINIMUM ² REQUIRED	NUMBER OF EXITS SHOWN ON PLANS	TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS ³ (SECTION 1015.2)	
			ALLOWABLE TRAVEL DISTANCE (TABLE 1016.1)	ACTUAL TRAVEL DISTANCE SHOWN ON PLANS	REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS
1st Floor Landside	3	9	250	160	140	340
1st Floor Airside	4	8	250	115	55	100
2nd Floor Landside	2	3	250	245	50	58
2nd Floor Airside	4	8	250	215	65	100

OCCUPANT LOAD AND EXIT WIDTH
THIS SECTION REQUIRED FOR ALL PROJECTS

USE GROUP AND / OR SPACE DESCRIPTION	(a) AREA sq. ft.	(b) AREA PER OCCUPANT	(c) NUMBER OF OCCUPANTS	EGRESS WIDTH PER OCCUPANT (TABLE 1005.1)		EXIT WIDTH (a)(b) ^{2,3,4,5,6} SHOWN ON PLANS
				STAIR LEVEL	STAIR LEVEL	
First Floor	52,600	See A1.0	526	n/a	0.2	n/a
Second Floor	45,215	See A1.0	1,040	0.3	0.2	311.4
Total # of Occupants			1,616			

- See Table 1004.1 to determine whether net or gross area is applicable.
- Minimum stairway width (Section 1009.1); min. corridor width (Section 1018.2); min. door width (Section 1008.6)
- Minimum width of exit passageway (Section 1023.2)
- The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)
- Assembly occupancies (Section 1028)

ASSEMBLY OCCUPANCY INFORMATION
THIS SECTION MUST BE COMPLETED TO IDENTIFY THE OCCUPANCY CAPACITY FOR ALL PROJECTS

Floor	Occupancy	See A.I.0 for First Floor Occupancy Information
First Floor	526	See A.I.0 for First Floor Occupancy Information
Second Floor	1,040	See A.I.0 for Second Floor Occupancy Information
Total	1,616	

PLUMBING FIXTURE REQUIREMENTS
THIS SECTION REQUIRED FOR ALL PROJECTS

Occupancy	WATERCLOSETS		URINALS		LAVATORIES		FAMILY SINKS		SHOWERS / TUBS		DRINKING FOUNTAINS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	INCHES	FEET	REGULAR	ACCESSIBLE	REGULAR	ACCESSIBLE
First Floor	5	4	4	7	7	1/4			2	3	2	
Second Floor	6	10	7	6	6	3/3			3	3	3	
Total Required	9	9	3	2	2	3/0	n/a		3	3	3	
Total Provided	11	14	11	13	13	4/7			2	6	5	

Structural Design Loads (See Structural Drawings)

ACCESSIBLE PARKING

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES REQUIRED	# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE PROVIDED
		REGULAR WITH 5' ACCESS AISLE	VAN SPACE WITH 8' ACCESS AISLE	
LONG TERM		Existing to Remain		
SHORT TERM		Existing to Remain		
TOTAL		Existing to Remain		

SPECIAL APPROVALS
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHS, ICC, etc., describe below)
Local Jurisdiction

2018 NORTH CAROLINA ENERGY CONSERVATION CODE COMMERCIAL ENERGY EFFICIENCY - BUILDING SUMMARY

501.1 METHOD OF COMPLIANCE NC SPECIFIC COMCHECK PROVIDED
 2018 NCECC CHAPTER 5 20% IMPROVEMENT OVER ASHRAE 90.1-2007

501.2 APPLICATION COMPLIANCE
 506.2.1 EFFICIENT MECH EQUIPMENT 506.2.4 HI EFFICIENCY DOMESTIC HW
 506.2.2 REDUCED LTG DENSITY 506.2.5 ONSITE RENEWABLE ENERGY
 506.2.3 ENERGY RECOVERY SYSTEMS 506.2.6 DAYLIGHT CONTROLS

301.1 CLIMATE ZONE
3A CUMBERLAND COUNTY, NORTH CAROLINA

DESIGN CONDITIONS
EXTERIOR (ASHRAE 90.1 - 2007 TABLE D-1)

Season	dry bulb	wet bulb
winter	18° F.	14° F.
summer	91° F.	74° F.

INTERIOR (2018 NCECC SECTION 302.1)

Season	dry bulb	wet bulb
winter	72° F.	60° F.
summer	75° F.	65° F.

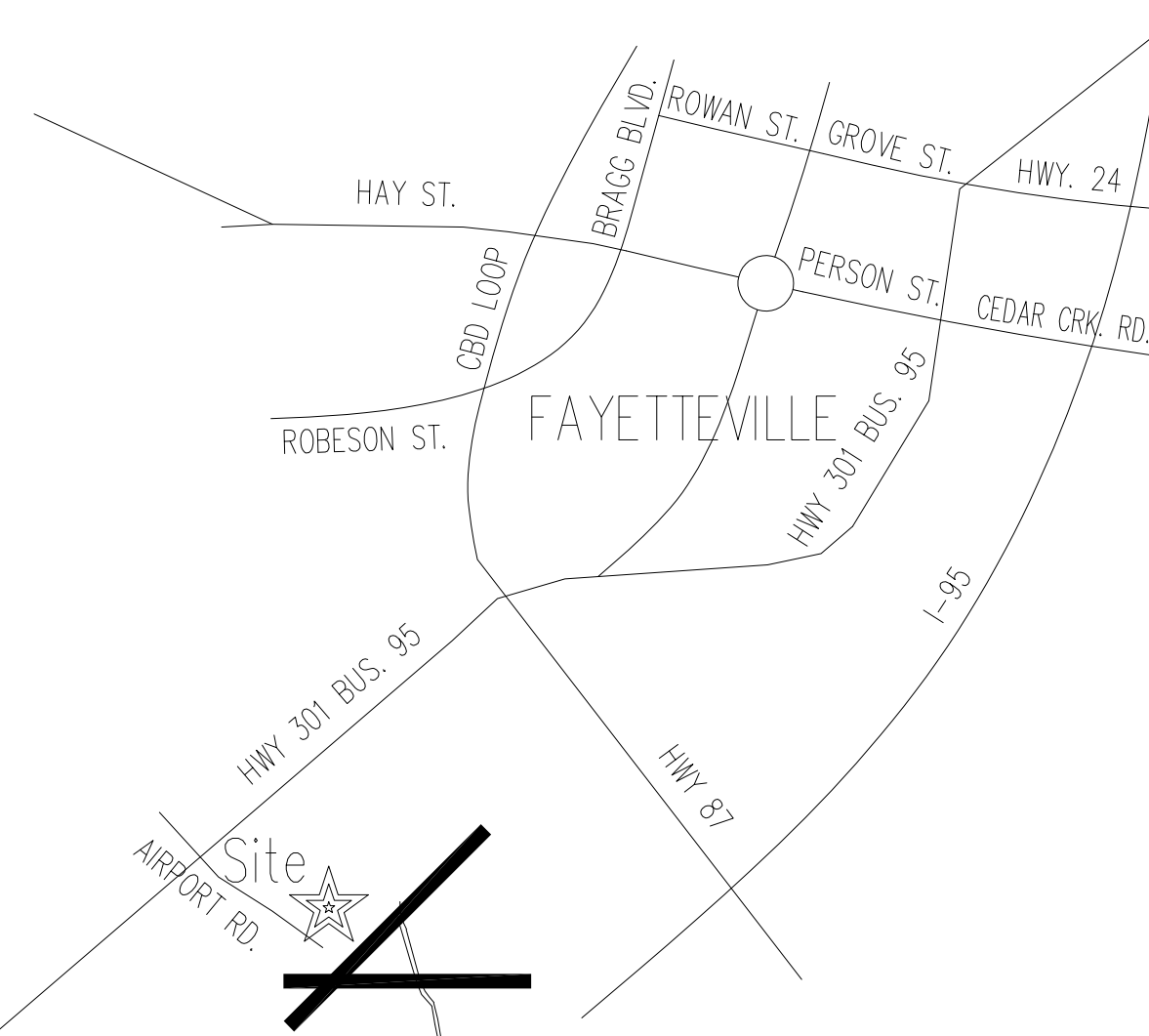
502.1 BUILDING ENVELOPE REQUIREMENTS
BUILDING TYPE FOR ENVELOPE REQUIREMENTS: Steel Frame

Component	VERTICAL GLAZING / WALL AREA %	SKYLIGHT GLAZING / ROOF AREA%	ACTIVITY TYPE(S)	FLOOR AREA
ROOF	15%	0.1%		
FLOOR				
EXTERIOR WALL				
WINDOWS WALL				
STOREFRONT WINDOW				
DOOR(S) WALL				
SLAB (UNHEATED)				
SLAB (HEATED)				
WALLS BELOW GRADE				
SKYLIGHT				

502.2 OPAQUE INSULATION REQUIREMENTS

COMPONENT NAME	GROSS AREA OR PERIMETER	CAVITY R-VALUE	CONT. R-VALUE	PROPOSED U-FACTOR
ROOF	-	-	R-20	U-0.0351
FLOOR	-	-	R-12	U-0.083
EXTERIOR WALL	-	R-13	R-10	U-0.060
WINDOWS WALL	-	-	-	U-0.45
STOREFRONT WINDOW	-	-	-	U-0.45
DOOR(S) WALL	-	-	R-143	U-0.10
SLAB (UNHEATED)	-	-	NR	NR
SLAB (HEATED)	-	-	N/A	N/A
WALLS BELOW GRADE	-	-	R-12	U-0.083
SKYLIGHT	-	-	-	U-0.60

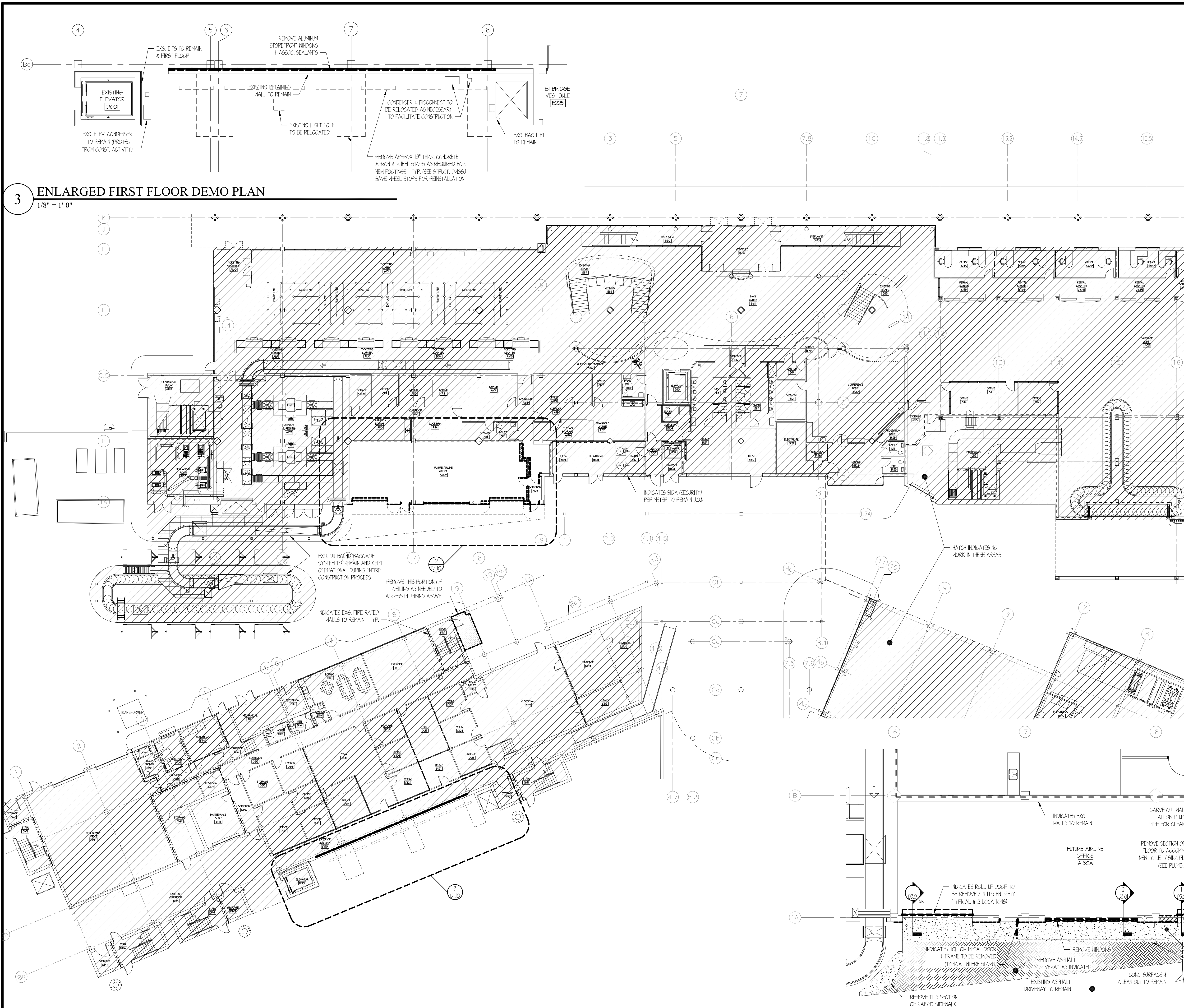
SIGNED:
NAME: Gordon E. Johnson
TITLE: Architect



VICINITY MAP
FAYETTEVILLE, NC

Drawing Sheet Index

- TS1 Building Code Information
- D1.0 First Floor Demolition Plan
- D1.20 Second Floor Demolition Plan
- D2.10 Demolition Elevations
- D3.10 Demolition Sections
- A1.0 Overall First Floor Plan - Concourse B Enlarged First Floor Plan, Notes, Wall Schedule, & Abbreviations
- A1.1 Airline Office Building Sections
- A1.2 Overall Second Floor Plan
- A1.21 Concourse B Addition & VIP Lounge Renov. Enlarged Plans, Elevations & Sections
- A1.30 Roof Plan
- A1.31 Roof Details
- A1.40 Room Finish & Door Schedules, Door & Frame Elevations, & Finish Legend
- A3.0 Airline Office Building Sections
- A3.02 Concourse B Addition Sections
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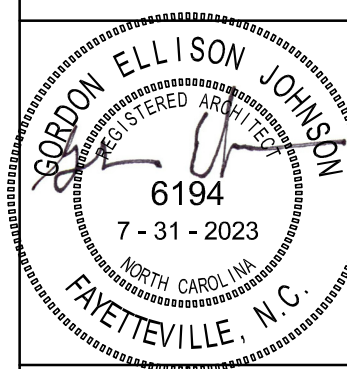


- DEMOLITION NOTES**
- THE INTENT OF THE DEMOLITION PLANS IS TO SHOW THE GENERAL NATURE OF THE DEMOLITION SCOPE. INCIDENTAL DEMOLITION NOT SHOWN BUT REQUIRED TO ACCOMMODATE NEW WORK IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE JOB SITE AND VERIFYING THE EXISTING CONDITIONS. THE CONTRACTOR SHOULD NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR DIFFICULTIES THAT MIGHT ARISE PRIOR TO EXECUTING THE WORK. IN ADDITION, EXAMINE ALL WORK THAT IS INTENDED TO REMAIN AS PART OF THE COMPLETED PROJECT AND REPORT ALL UNSATISFACTORY CONDITIONS TO THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK. EXERCISE EXTREME CARE DURING DEMOLITION SO AS NOT TO DAMAGE CONSTRUCTION AND OTHER STRUCTURES THAT ARE INTENDED TO REMAIN. ANYTHING DAMAGED AT TIME OF WORK IS TO BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL STANDARD LOCAL, NATIONAL, STATE AND FEDERAL SAFETY REQUIREMENTS FOR DEMOLITION.
 - REFER TO ALL OTHER PLANS INCLUDING, BUT NOT LIMITED TO FINISH FLOOR PLANS, ENGINEERING PLANS, ETC. FOR SCOPE OF DEMOLITION WORK TO BE INCLUDED IN BID AND PRIOR TO COMMENCEMENT OF DEMOLITION. SCHEDULE OF DEMOLITION ACTIVITIES MUST BE COORDINATED WITH CONSTRUCTION PHASING INDICATED IN THESE DRAWINGS.
 - PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND SERVICES AND PERFORM ALL OPERATIONS REQUIRED FOR COMPLETE DEMOLITION AND RELATED WORK AS DESCRIBED AND SPECIFIED HEREIN, AND AS MAY BE REASONABLY IMPLIED AS NECESSARY TO COMPLETE THE WORK IN ALL RESPECTS.
 - REFER TO ENGINEERING DRAWINGS FOR EXISTING ITEMS TO REMAIN (DUCTWORK, PLUMBING RISERS, ELECTRICAL FEEDS, PANELS, ETC.)
 - WHEN DEMOLITION TAKES PLACE, SHOULD ANY WORK AFFECT THE INTEGRITY OF THE STRUCTURE, WORK MUST STOP IMMEDIATELY, AND THE ARCHITECT BE NOTIFIED. UNDER NO CIRCUMSTANCES SHALL REINFORCING OF ANY KIND BE DAMAGED, CUT OR BROKEN.
 - CONTRACTOR TO REVIEW WITH ARCHITECT, REGARDING ALL ITEMS SCHEDULED FOR RELOCATION. SAID ITEMS TO BE REMOVED CAREFULLY, PROTECTED AND STORED.
 - CONTRACTOR TO COORDINATE AND VERIFY WITH THE OWNER ANY ITEMS TO BE SALVAGED PRIOR TO DEMOLITION. THESE ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO CASEWORK, LIGHT FIXTURES, DOORS, WINDOWS, EQUIPMENT, EXISTING FURNITURE, CEILING COMPONENTS, SIGNAGE, ETC.
 - DISPOSE OF ALL DEMOLISHED OR REMOVED MATERIALS LEGALLY OFF THE SITE. COMPLY WITH ALL LOCAL, STATE AND FEDERAL DISPOSAL REQUIREMENTS.
 - AN AGESTOS & LEAD PAINT SURVEY HAS BEEN PERFORMED & RESULTS INDICATE NONE PRESENT.
 - MAINTAIN EXISTING UTILITIES TO REMAIN IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
 - UPON COMPLETION, CLEAN THE ENTIRE AREA OF DEMOLITION TO A TIDY, UNIFORM CONDITION REMOVING ALL DEBRIS, DUST PARTITIONS, TEMPORARY WALLS, AND ASSOCIATED MATERIALS USED DURING DEMOLITION.
 - EXISTING WALLS, COLUMNS, DOORS, & OTHER BUILDING COMPONENTS TO REMAIN ARE SHOWN AS SOLID LINES.
 - EXISTING WALLS, COLUMNS, DOORS, & OTHER BUILDING COMPONENTS TO BE REMOVED ARE SHOWN AS DASHED LINES. (SEE FLOOR FINISHES PLANS & RCP PLANS FOR THOSE EXIS. FINISHES TO BE REMOVED TO ACCOMMODATE NEW FINISHES)
 - NEW CONSTRUCTION INCLUDES INSTALLING / MODIFYING THE EXISTING BUILDING FIRE SPRINKLER SYSTEM.
 - ALL INTERIOR WALLS SHOWN TO BE DEMOLISHED ARE METAL STUDS W/ GYP BOARD FINISHES UNLESS OTHERWISE NOTED.
 - REMOVE ALL CERAMIC HALL TILE IN TOILET ROOMS SCHEDULED FOR NEW WALL TILE. REPAIR WALLS AS REQUIRED TO BE FLAT AND SMOOTH TO RECEIVE NEW WALL TILE FINISH.
 - TEMPORARY PARTITIONS/BARRICADES AND/OR DUST WALLS WILL BE REQUIRED TO SEPARATE THE PUBLIC FROM CONSTRUCTION AREAS. THESE PLANS ARE SCHEMATIC AND MAY NOT SHOW ALL TEMPORARY WALLS NEEDED.
 - ALL EXIS. CEILING & BULKHEADS INCLUDING SUB-CEILING IN ROOMS WHERE NEW CEILING WORK IS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.
 - REPAIR ALL FLOOR WALL & CEILING FINISHES TO REMAIN (WHERE ITEMS WERE REMOVED) WITH SIMILAR FINISHES TO MATCH EXISTING.
 - SCHEDULE OF ALL DEMOLITION WORK TO BE COORDINATED WITH OWNER TO ALLOW FOR FACILITY TO REMAIN OPERATIONAL DURING ALL DEMOLITION AND CONSTRUCTION PERIODS.
 - COORDINATE ACCESS TO SECURE AREAS WITH OWNER AS REQUIRED. COORDINATE REMOVAL AND RELOCATION OF SECURITY CHECKPOINTS WITH TSA & OWNER PRIOR TO START OF WORK.
 - EXISTING PLANS HEREIN DESCRIBED ARE DERIVED FROM A COMPILATION OF ORIGINAL BUILDING DOCUMENTS AND DOCUMENTS FOR SUBSEQUENT BUILDING MODIFICATIONS AND/OR RENOVATIONS SUPPLIED TO THE ARCHITECT BY THE OWNER. FIELD VERIFICATION IS ADVISED TO DETERMINE ACCURACY OF ALL EXISTING CONDITIONS.
 - COORDINATE EXTENT AND LOCATION OF WALL DEMOLITION WITH NEW CONSTRUCTION ON OTHER DRAWING SHEETS.
 - SALVAGEABLE ITEMS SUCH AS BUT NOT LIMITED TO, PLUMBING, MECHANICAL & ELECTRICAL FIXTURES, TOILET ACCESSORIES, & DOOR HARDWARE SHALL BE OFFERED TO THE OWNER PRIOR TO DISPOSAL.
 - CONTRACTOR TO PROVIDE SMOOTH TRANSITIONS BETWEEN ITEMS TO BE REMOVED AND EXISTING MATERIALS TO REMAIN TO AVOID PERSONAL INJURY OR DAMAGE TO FINISHES TO REMAIN. CONTRACTOR SHALL PHOTO DOCUMENT ALL EXISTING AREAS TO BE DEMOLISHED AND TURNED OVER TO THE ARCHITECT PRIOR TO START OF DEMO ACTIVITY.
 - CONTRACTOR TO PROVIDE TEMPORARY SIGNAGE AS NEEDED TO REDIRECT AIRPORT VISITORS OUT OF CONSTRUCTION AREA TO EXITS OR ANY OTHER ALTERED PATH OF TRAVEL UNTIL OUT OF CONSTRUCTION AREA.
 - CONTRACTOR IS RESPONSIBLE FOR ALL MEANS & METHODS OF DEMOLITION & RENOVATION I/O.N.
 - CONTRACTOR TO CONTAIN ALL CONSTRUCTION DEBRIS INCLUDING DUST FROM CONTAMINATING AIRCRAFT OPERATIONS. ALL TARMAC AREAS MUST BE KEPT SWEEP CLEAN AT ALL TIMES.

3 ENLARGED FIRST FLOOR DEMO PLAN
1/8" = 1'-0"

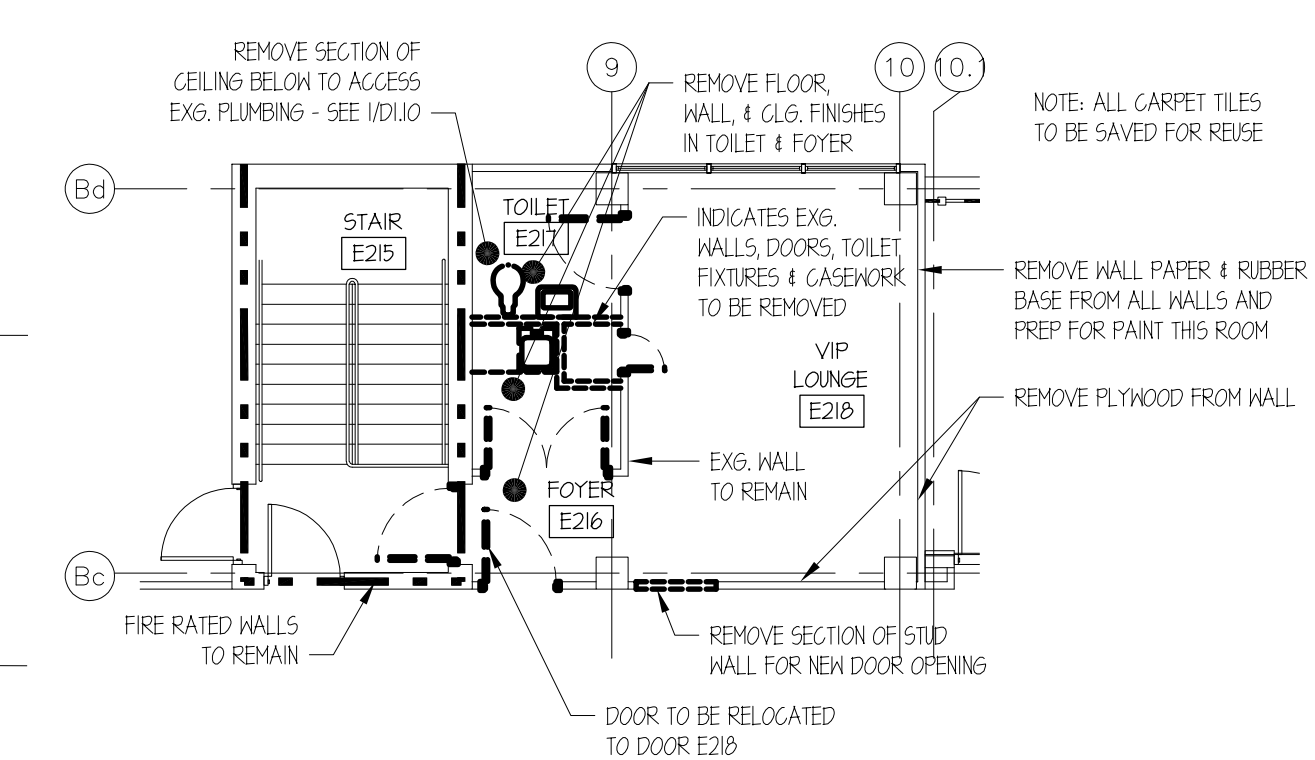
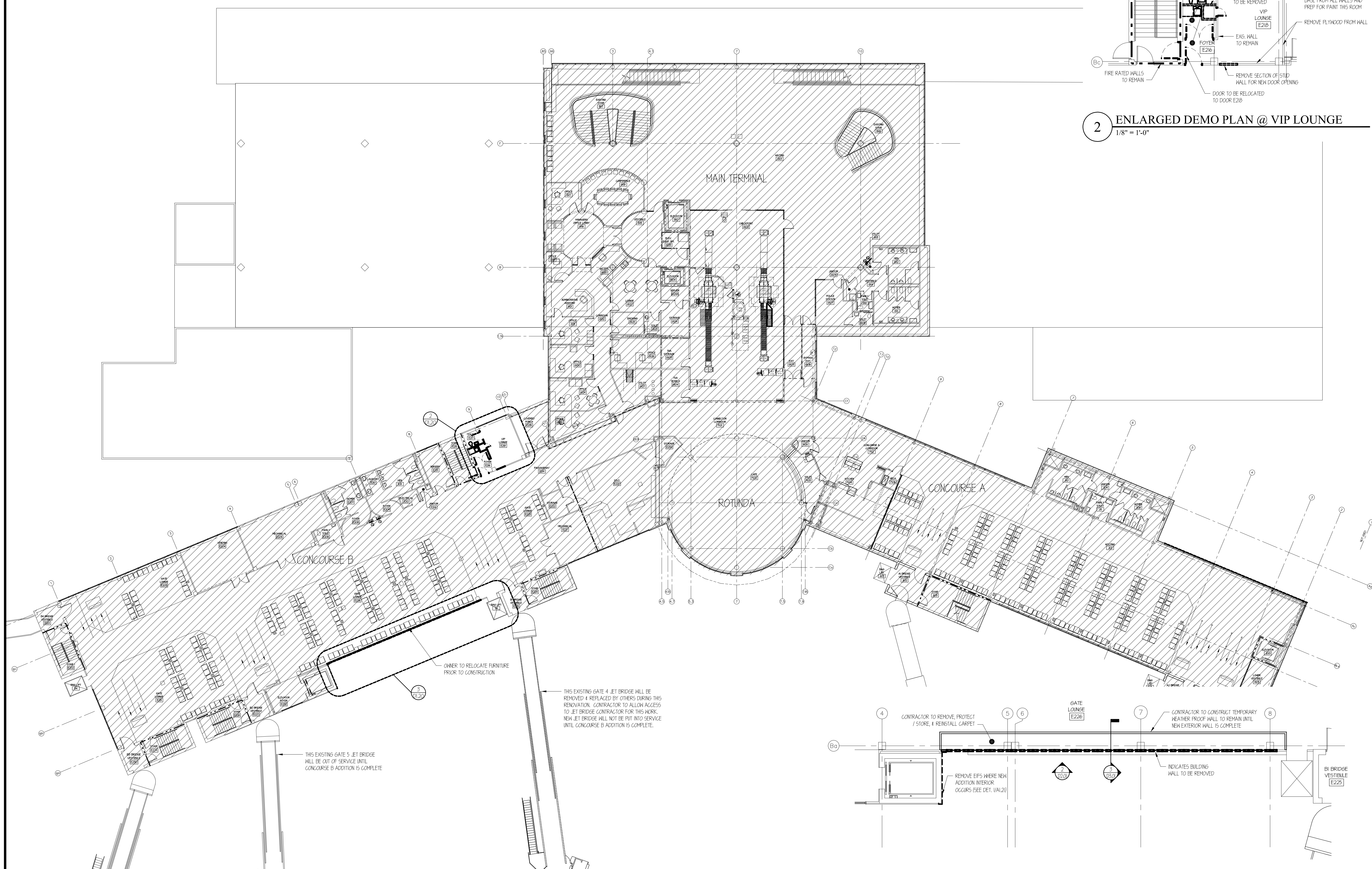
1 OVERALL FIRST FLOOR DEMO PLAN
1/16" = 1'-0"

2 ENLARGED FIRST FLOOR DEMO PLAN
1/8" = 1'-0"

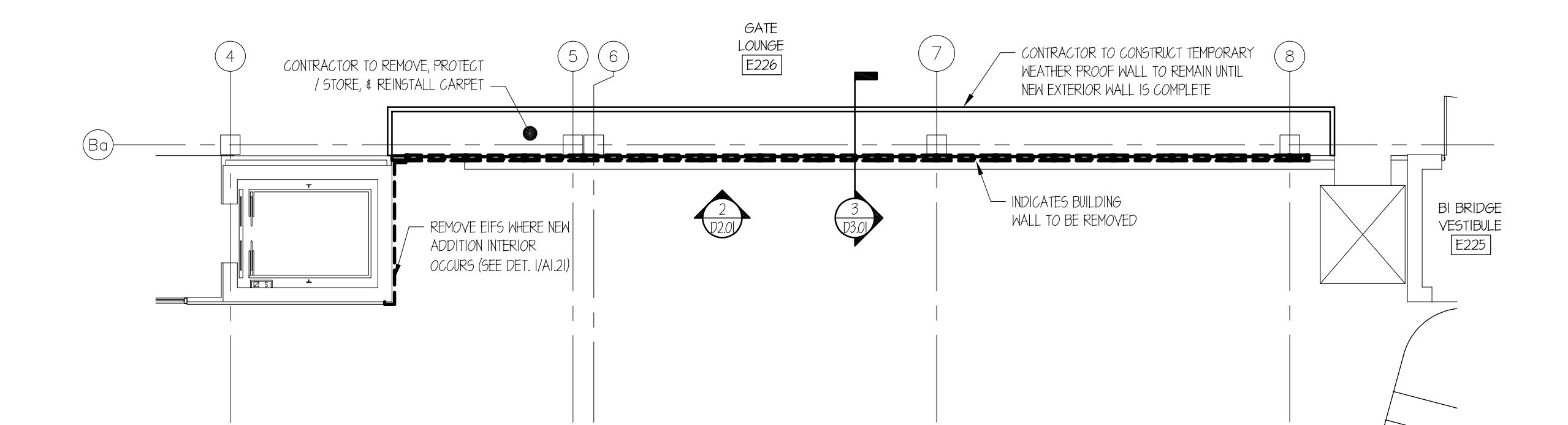


DRAWN BY: J.D. Pike
REVIEWED BY: G. Johnson
DATE: 7-31-23
PROJECT NO.: 2207
NOTES:

NO.	REVISIONS

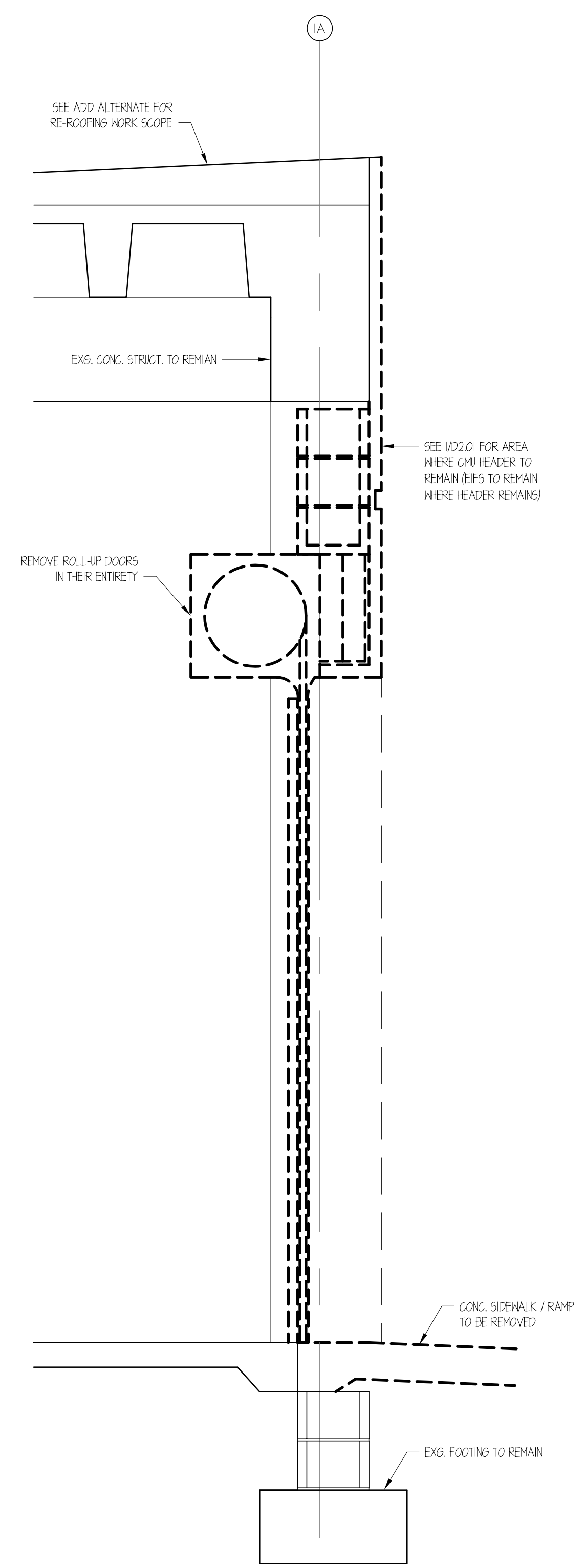


2 ENLARGED DEMO PLAN @ VIP LOUNGE
1/8" = 1'-0"

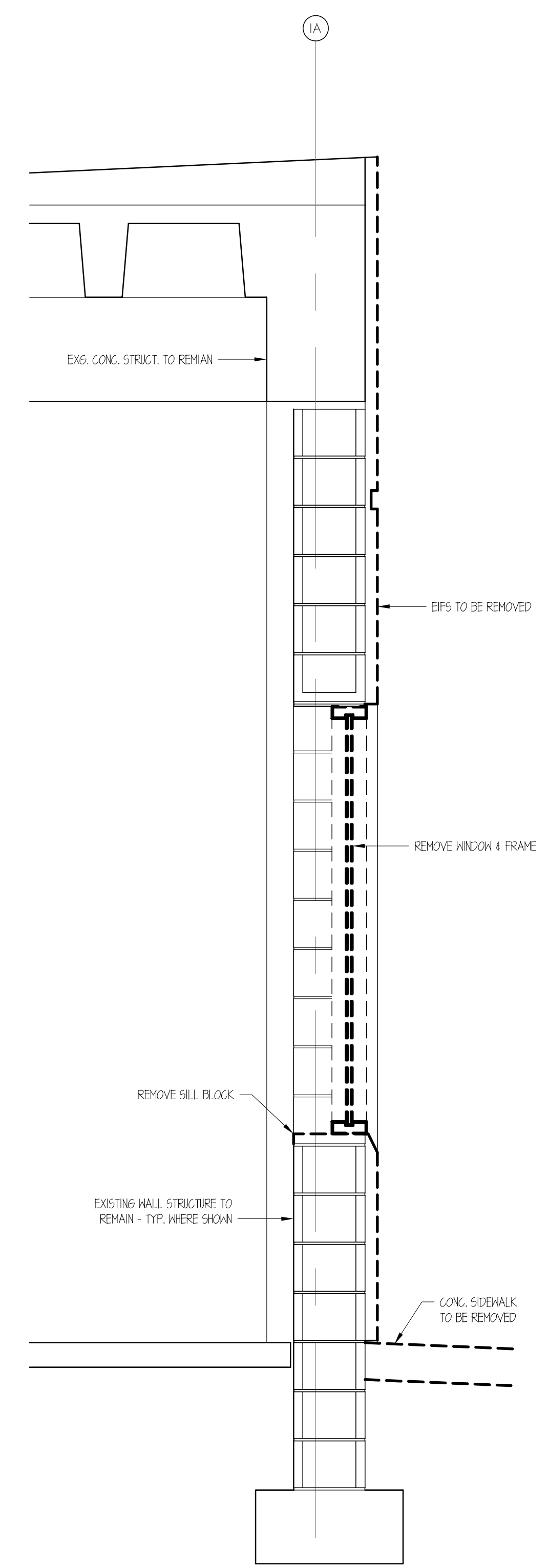


3 ENLARGED DEMO SECOND FLOOR PLAN @ GATE LOUNGE EXPANSION
1/8" = 1'-0"

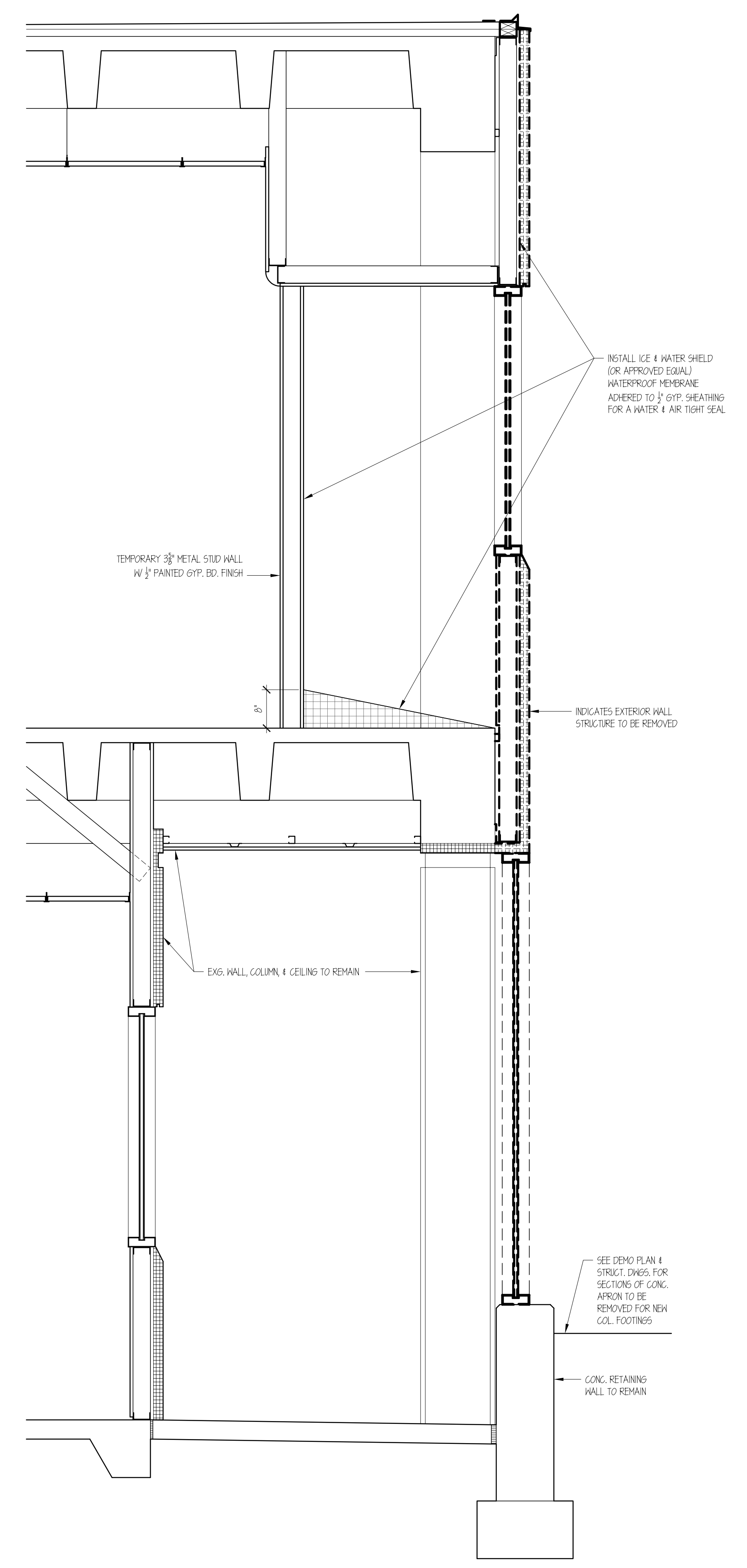
1 OVERALL SECOND FLOOR DEMO PLAN
1/16" = 1'-0"



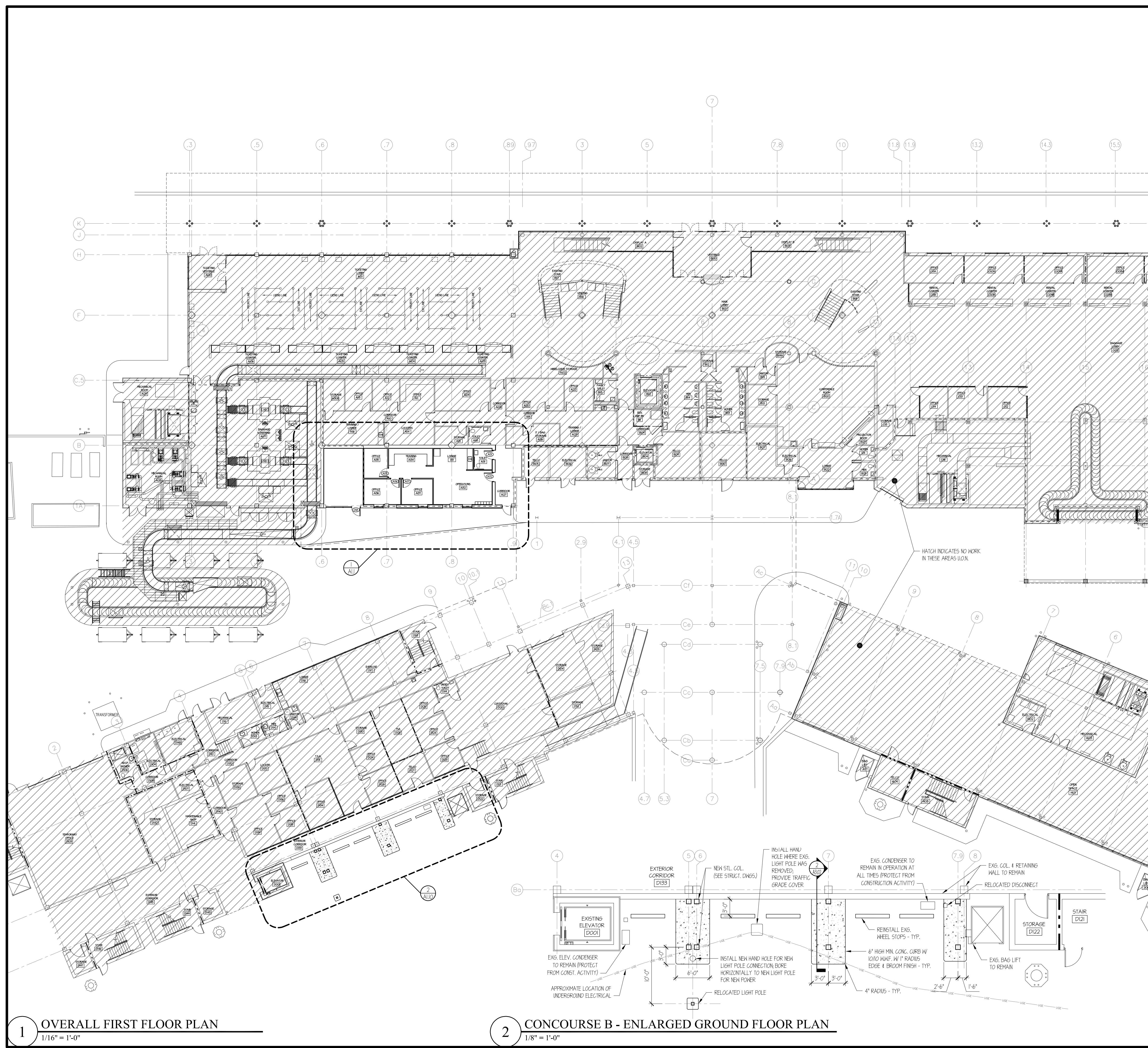
1 DEMO SECTION @ ROLL-UP DOOR
3/4" = 1'-0"



2 DEMO SECTION @ WINDOW WALL
3/4" = 1'-0"



3 DEMO SECTION @ GATE LOUNGE EXPANSION
3/4" = 1'-0"



WALL TYPES

- Ⓐ ——— EXISTING WALLS TO REMAIN
- Ⓑ ——— 3/8" 22 GA. METAL STUDS @ 16" O.C. W/ 5/8" GYP. BD. EA. SIDE - U.O.N.
ALL WALLS EXTEND TO FLOOR/ROOF DECK U.O.N.
- Ⓒ ——— 6" 16 GA. METAL STUDS W/ 2" FLANGE MIN. @ 16" O.C. W/ 5/8" GYP. SHIG. & EPS SYSTEM AS SPECIFIED (EXTERIOR) & 5/8" GYP. BD. ON 6 MIL. PVB (INT.) W/ R-13 FIBERGLASS BATT INSULATION. ALL MIL. STUDS TO BE DESIGNED & SEALED BY AN NC REGISTERED ENGINEER.
- Ⓓ ——— EXISTING CMU WALL W/ 5/8" GYP. BD. ON 1/2" GALV. MIL. HAT CHANNEL U.O.N.
- Ⓔ ——— ALUMINUM STOREFRONT WINDOW SYSTEM AS SPECIFIED
- — — INDICATES 1 HR. FIRE PARTITION - TENANT SEPARATION (EXISTING TO REMAIN)
- — — INDICATES 1 HR. FIRE BARRIER - ELEVATOR / STAIR SHAFT (EXISTING TO REMAIN)
- Ⓕ ——— 8" CMU - FOUNDATION TO FLOOR/ROOF DECK W/ EPS SYSTEM AS SPECIFIED U.O.N.

GENERAL NOTES

- 1) ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES.
- 2) THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS ARE A SET AND SHALL BE DISTRIBUTED INTACT. IF SETS ARE DISASSEMBLED TO OBTAIN SETS FROM SUB-CONTRACTORS, GENERAL CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR SUB-CONTRACTOR COORDINATION.
- 3) DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE NOT INDICATED ON THE DRAWINGS OR CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL REQUEST CLARIFICATION FROM THE ARCHITECT OR BID THE HIGHEST PRICE ALTERNATIVE.
- 4) 'PROVIDE' MEANS FURNISH AND INSTALL. ALL WORK SHOWN SHALL BE BY THE CONTRACTOR UNLESS SPECIFICALLY STATED AS 'EXISTING TO REMAIN' OR 'BY OWNER'.
- 5) PRIOR TO BIDDING, THE CONTRACTOR SHALL VISIT SITE TO VERIFY EXISTING CONDITIONS, PRODUCTS TO BE USED, AND QUANTITIES REQUIRED. ALL CONTRACTORS REQUIRED TO FIELD VERIFY ALL EXISTING CONDITIONS FOR ALL TRADES INCLUDING DRAINAGE, CONSTRUCTION, AND UTILITY SYSTEMS. BIDS SHALL REFLECT ALL CONSTRUCTION NECESSARY TO COMPLETE WORK REQUIRED WITH CONSIDERATION GIVEN TO EXISTING CONDITIONS TO PROVIDE THE OWNER A FINISHED USABLE FACILITY AS INDICATED ON THESE DRAWINGS.
- 6) CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY STATE AND LOCAL AUTHORITIES AS A PART OF HIS BASE BID.
- 7) CONTACT STATE DIGGING HOTLINE FROM THE ONE CALL DIRECTORY PRIOR TO PERFORMING ANY UNDERGROUND UTILITY OR EXCAVATION WORK.
- 8) GENERAL CONTRACTOR SHALL COORDINATE ALL SITE STAGING, DUMPSTER LOCATION, UTILITIES, EXCAVATION (WHERE APPLICABLE), ETC. WITH THE AIRPORT MANAGER.
- 9) CONTRACTOR SHALL COORDINATE KEY SCHEDULE WITH THE OWNER PRIOR TO PROJECT SPACE COMPLETION. CLEARLY MARKED KEYS WILL BE TURNED OVER TO OWNER'S REPRESENTATIVE.
- 10) FIRE EXTINGUISHERS SHALL BE PROVIDED & LOCATED PER LOCAL, STATE, AND FEDERAL CODES. SEE 'FE' ON PLANS FOR LOCATIONS.
- 11) ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IT IS GENERAL CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS OF EQUIPMENT AND MATERIAL WITH SUPPLIERS PRIOR TO ORDERING AND/OR INSTALLATION OF ALL PRODUCTS.
- 12) INTERIOR WALL AND CEILING FINISHES MUST COMPLY WITH CLASS A FIRE-SMOKE DEVELOPMENT IN SPACES LEADING TO AN EXIT AND ENCLOSED CORRIDORS, AND CLASS A IN OFFICES. SUBMIT RECORDS AND DOCUMENTATION OF MATERIALS FIRE-SMOKE DEVELOPMENT CLASSIFICATION AT SUBMITTAL PHASE AND FOR THE OWNER'S CLOSE OUT RECORDS.
- 13) FIRE GULMING SHALL BE PERFORMED AND CERTIFIED FOR PENETRATIONS OF STRUCTURAL, MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ELEMENTS.
- 14) THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS NECESSARY TO DISCOVER BURIED OR CONCEALED PLUMBING, MECHANICAL, ELECTRICAL, OR COMMUNICATIONS UTILITIES THAT REQUIRE RELOCATIONS (ETHER TEMPORARY OR PERMANENT) TO KEEP THE NECESSARY PARTS OF THE AIRPORT TERMINAL FACILITY OPERATIONAL DURING ALL REGULAR HOURS OF SERVICE. ANY DISRUPTION OF UTILITY SERVICE MUST BE APPROVED BY THE ARCHITECT AND AIRPORT MANAGER AT LEAST 48 HRS. PRIOR TO THAT EVENT.
- 15) CONTRACTOR TO INCLUDE IN HIS BASE BID ALL COSTS ASSOCIATED WITH HIRING A THIRD PARTY MATERIAL TESTING COMPANY TO PROVIDE ALL SOIL, CONCRETE, GROUT, AND ASPHALT TESTING AS SPECIFIED.
- 16) ALL DOORS TO BE LOCATED 4" FROM ADJACENT WALL OR CENTERED ON WALL UNLESS OTHERWISE DIMENSIONED.
- 17) CONTRACTOR TO KEEP ALL CONSTRUCTION AREAS CLEAN & MATERIAL CONTAINED FROM AIRBORNE DEBRIS AT ALL TIMES TO PREVENT Ongoing AIRPORT OPERATIONS. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO AIRPORT FACILITIES, EQUIPMENT OR AIRCRAFT DUE TO HIS NEGLIGENCE.

First Floor Occupancy

Business / Concourse - 23,514 s.f. / 100 gross =	236
Mechanical / Storage - 9,675 s.f. / 300 gross =	33
Bag Claim - 3,464 s.f. / 20 gross =	173
Ticketing Waiting - 1,263 s.f. / 15 gross =	84
Total Occupant Load =	526

LIST OF STANDARD ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ADJ.	ADJUSTABLE	LAM.	LAMINATE
ALUM. AL.	ALUMINUM	LVR.	LOUVER
AM.	AMERICAN ROOFCORING INST.	M.C.	MEDICINE CABINET
BO.	BLOCKING	M.O.	MASONRY OPENING
BLKS.	BLOCKING	MAS.	MASONRY
BOT.	BOTTOM	MATL.	MATERIAL
BR.	BEDROOM	MECH.	MECHANICAL
BRG.	BEARING	M.L.D.	MOLDING
BRK.	BRICK	MIL.	MIL
CL. C/PLG.	COUNTERFLASHING	MFG.	MANUFACTURER
C.L.	CONTROL JOINT	N.L.C.	NOT IN CONTRACT
CER.	CERAMIC	N.T.S.	NOT TO SCALE
C.T.	CERAMIC TILE	O.C.	ON CENTER
CL.	CENTER LINE	OPG.	OPENING
CL.	CLEARANCE	PL.	PLATE
CLG.	CEILING	PLAS.	PLASTIC
CMU.	CONCRETE MASONRY UNIT	P.L.Y.	PLYWOOD
COL.	COLUMN	POLY.	POLYETHYLENE
CONC.	CONCRETE	PT.	PAINT
CRS.	COURSE	FR.	FAIR
CONT.	CONTINUOUS	TRK.	TRUCK
COF.	CORNER	R.C. RAD.	RADIUS
D.S.	DOWNEPOUT	REIN.	REINFORCING
DIA.	DIAMETER	R.O.	ROUGH OPENING
DIM.	DIMENSION	REQD.	REQUIRED
DN.	DOWN	RM.	ROOM
EAC.	EACH	SH.	SHEET
E.E.J.	EXPANSION JOINT	SHG.	SHEDS, 5THS.
EL.	ELEVATION	SM.	SIMILAR
E.W.	EACH WAY	S.S.	STAINLESS STEEL
EXG.	EXISTING	S.Y.P.	SOUTHERN YELLOW PINE
EXT.	EXTERIOR	ST.	STAIR
EXP.	EXPANSION	STL.	STEEL
F.B.O.	FURNISHED BY OWNER	T.B.	TIE BAR
FIBRGL.	FIBERGLASS	T/O.	TOP OF
FDN.	FOUNDATION	T&G.	TONGUE AND GROOVE
FIN.	FINISH	THK.	THICK
FLG.	FLASHING	TRTD.	TREATED
F.P.	FLOOR	TYP.	TYPICAL
FTG.	FOOTING	U.O.N.	UNLESS OTHERWISE NOTED
GA.	GALVE	U.L.C.	UNDERLAYMENT
GALV.	GALVANIZED	V.B.	VAPOR BARRIER
G.C.	GENERAL CONTRACTOR	VERT.	VERTICAL
GR.	GRADE	W.	WITH
GWS, GYP. BD.	GYP-SUM WALL BOARD	W/O.	WITHOUT
H.	HEIGHT	W.D.	WIDE
HDK.	HARDWARE	W.D.	WOOD
INSUL.	INSULATION	W.M.	WOOD MOULD
INT.	INTERIOR	WE.	WEATHER STRIPPING
J.	JOINT	V.C.T.	VINYL COMPOSITION TILE
JST.	JOIST	V.V.C.	VINYL WALL COVERING
L.	LONG	WVF.	WELDED WIRE FABRIC

1 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

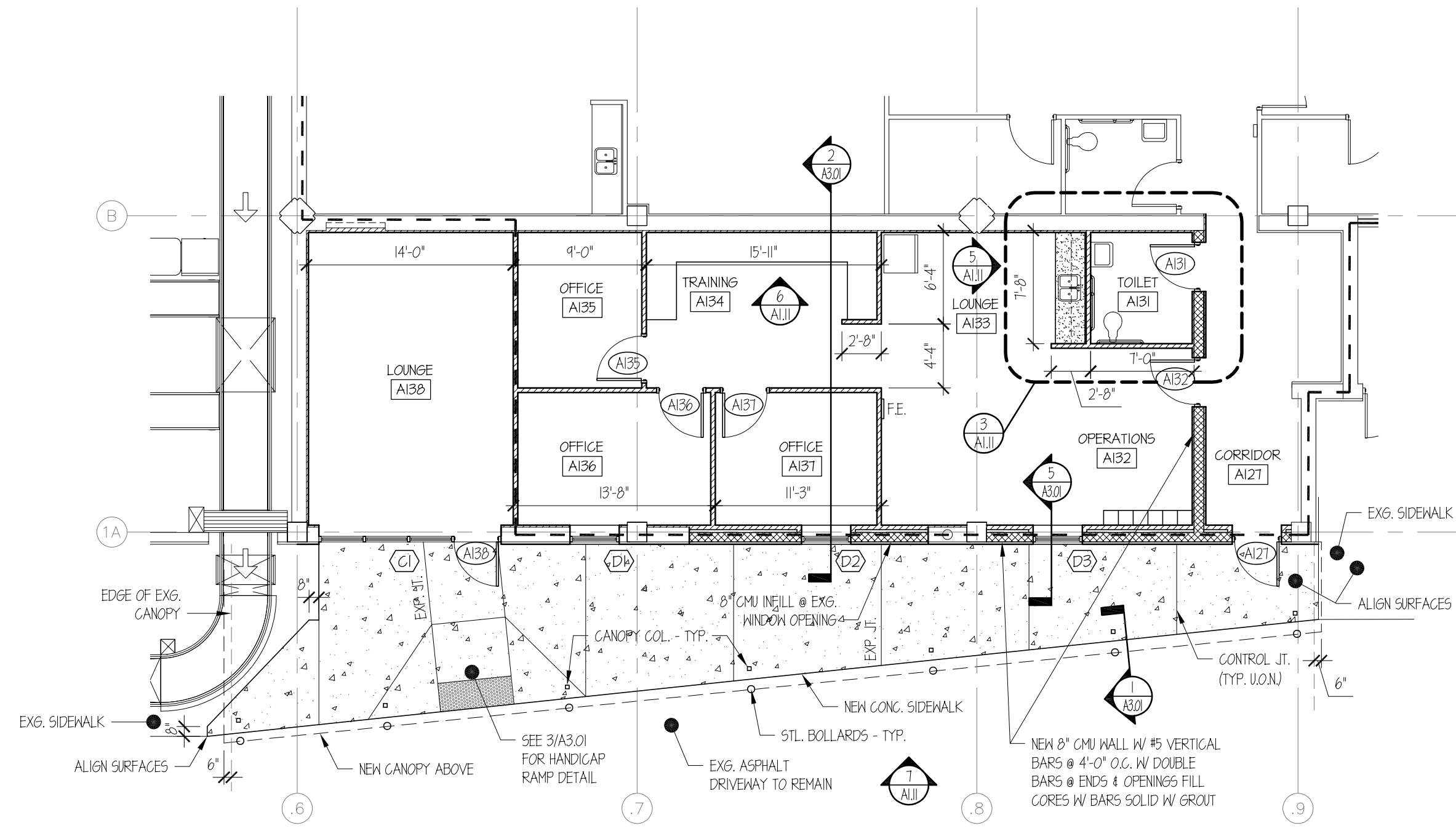
2 CONCOURSE B - ENLARGED GROUND FLOOR PLAN
1/8" = 1'-0"

GORDON JOHNSON Architecture
 454 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2186
 E-Mail: gordonjohnson@architect.com
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 Gordon E. Johnson, AIA

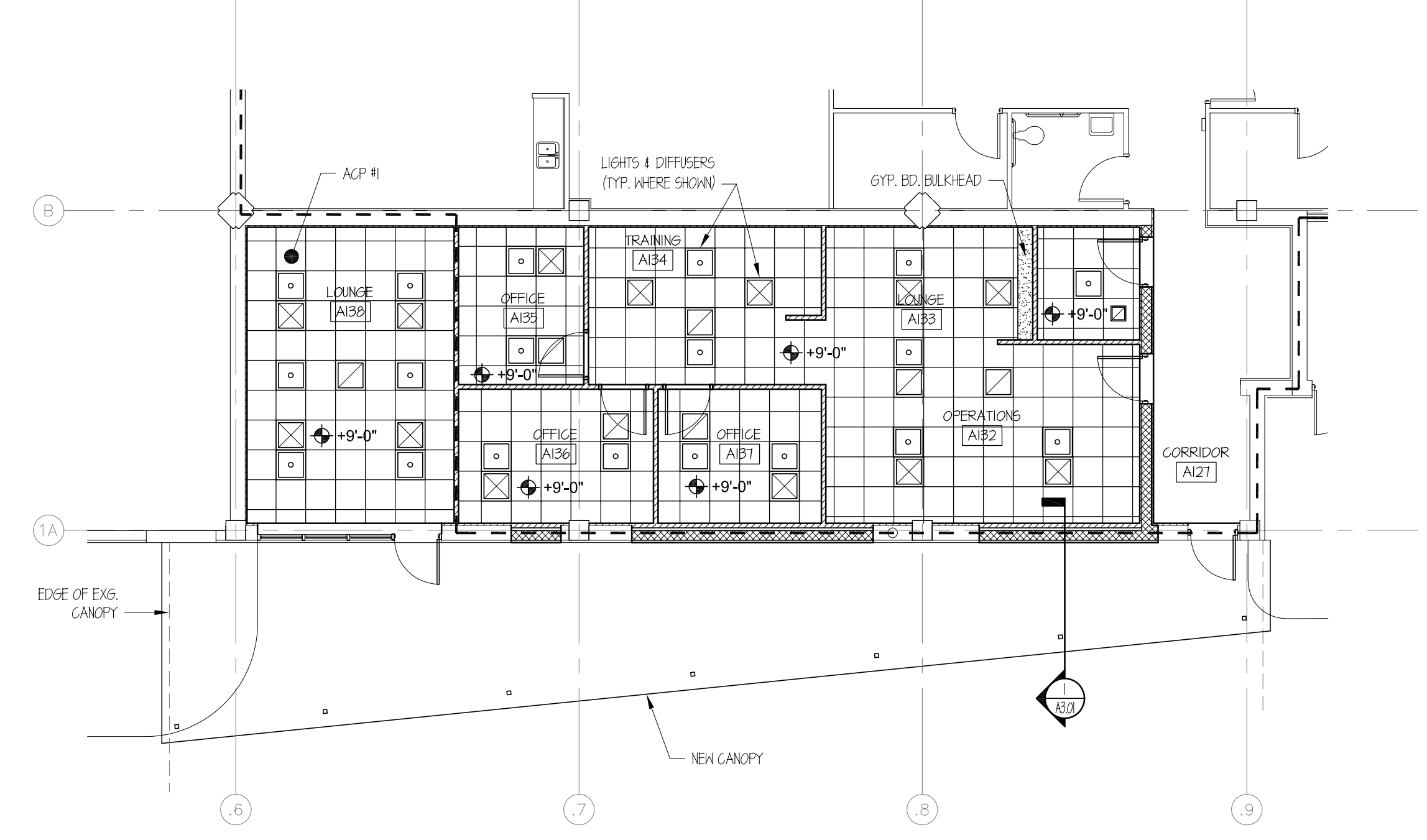
GORDON ELLISON JOHNSON
 ARCHITECT
 6194
 7-31-2023
 FAYETTEVILLE, NC

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 Overall First Floor Plan, Concourse B Enlarged First Floor Plan, Notes, Wall Schedule, & Abbreviations
 400 Airport Road
 Fayetteville, North Carolina 28306

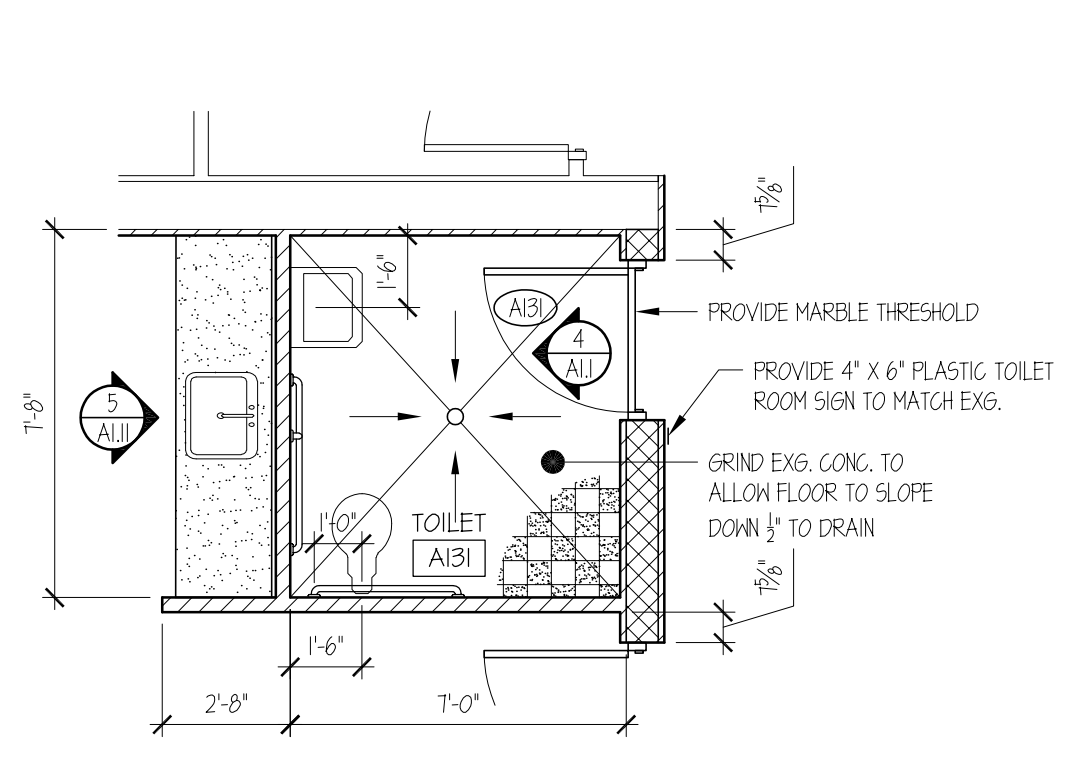
DRAWN BY: J.D. Pike
 REVIEWED BY: G. Johnson
 DATE: 7-31-23
 PROJECT NO.: 2207
 NOTES:
 REVISIONS:
 SHEET NUMBER:
A.I.O.



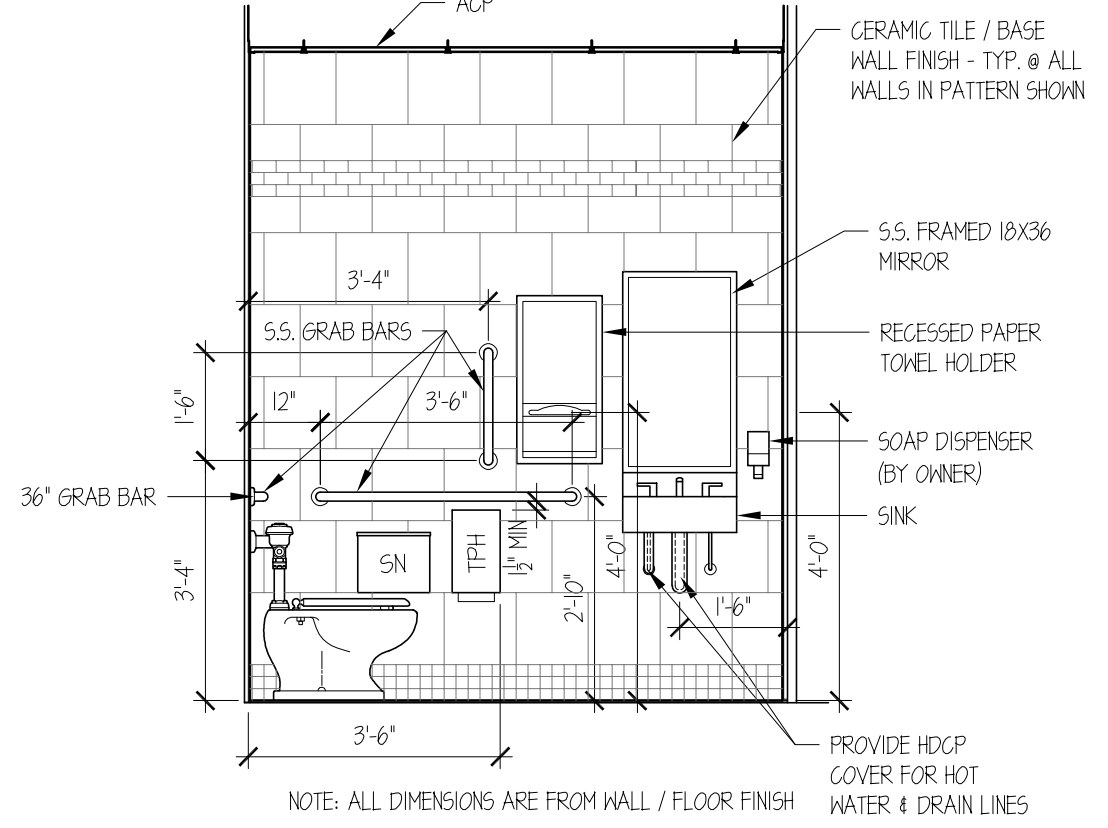
1 AIRLINE OFFICE ENLARGED PLAN
1/8" = 1'-0"



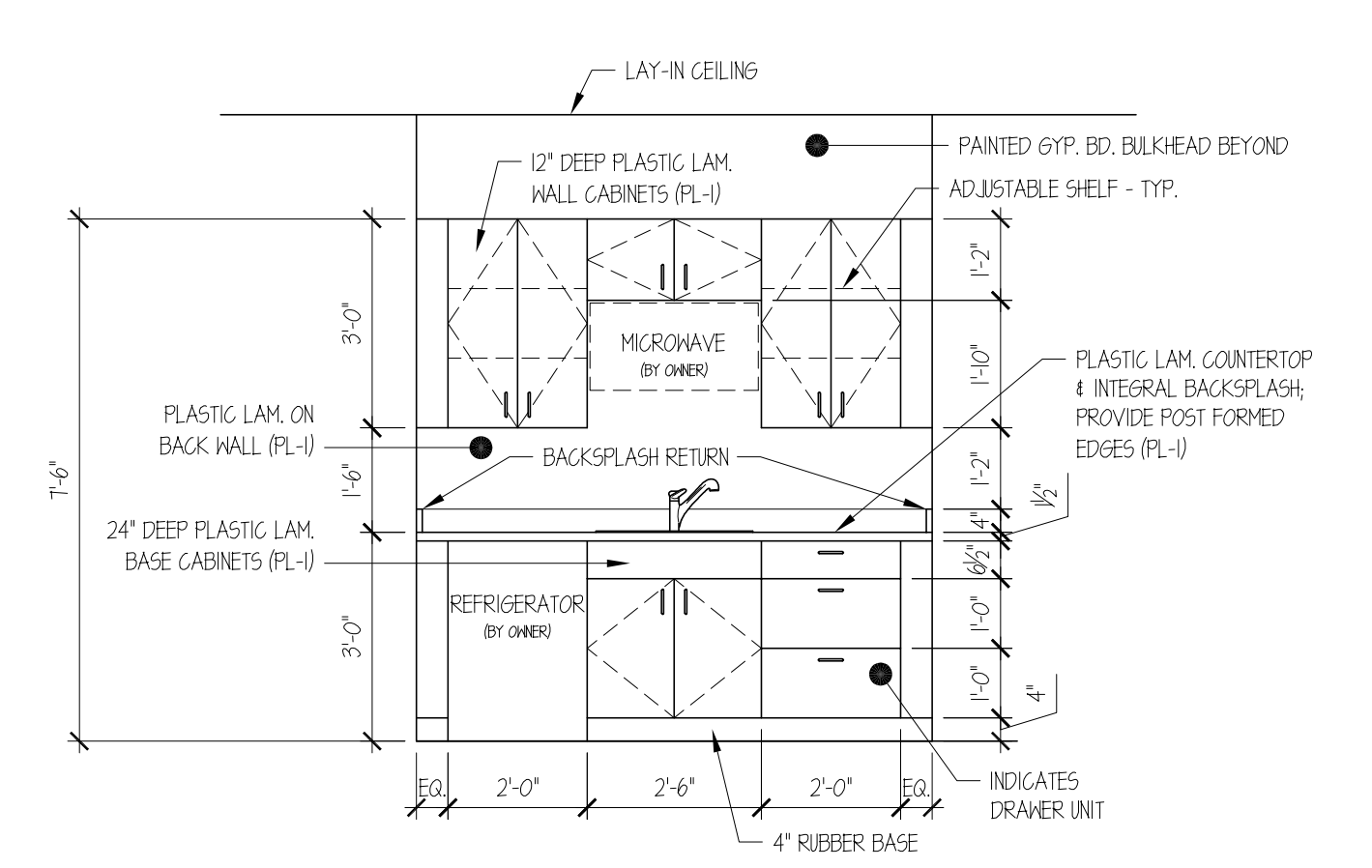
2 AIRLINE OFFICE REFLECTED CEILING PLAN
1/8" = 1'-0"



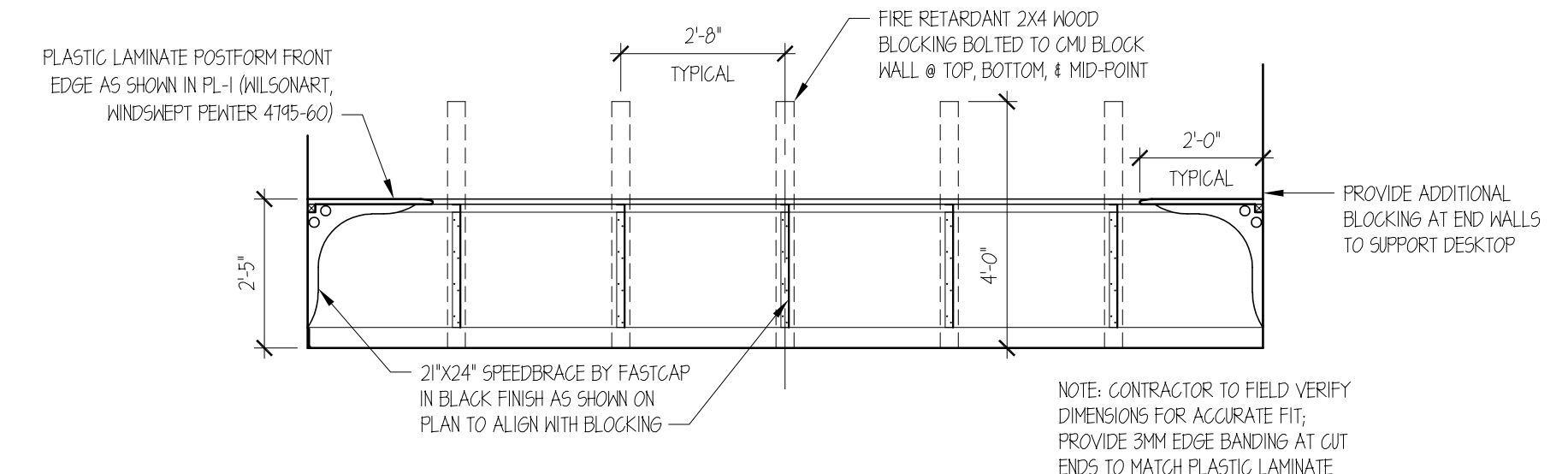
3 TOILET A131 ENLARGED PLAN
1/4" = 1'-0"



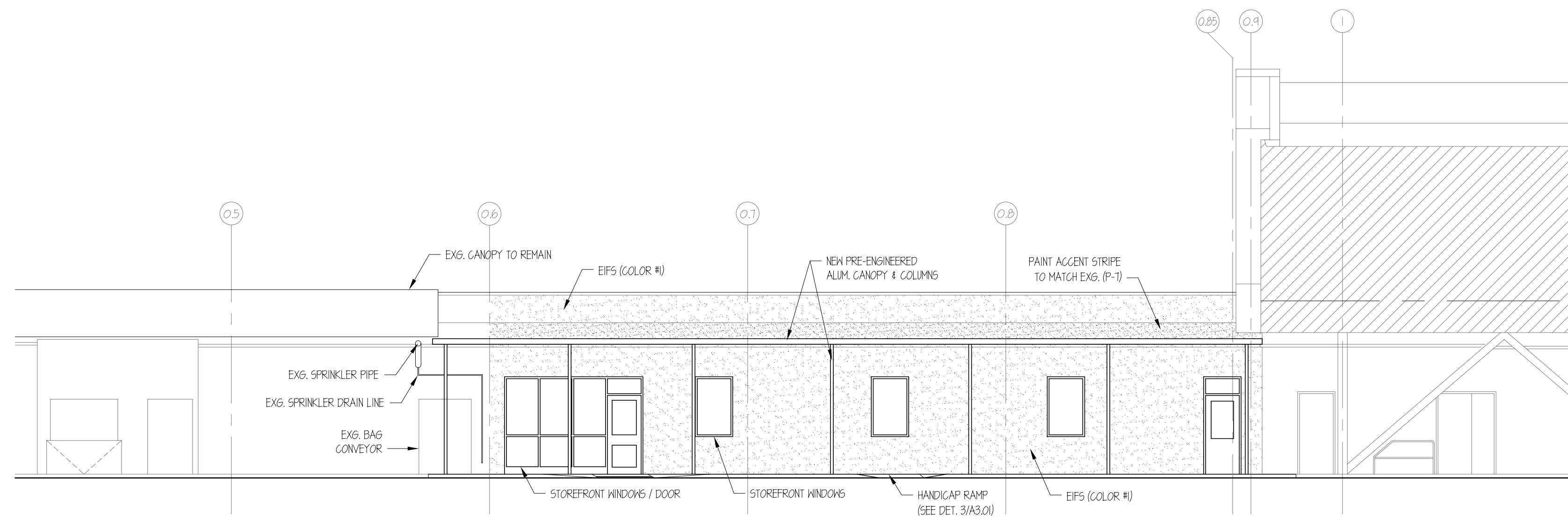
4 TOILET A131 ELEVATION
3/8" = 1'-0"



5 CASEWORK @ LOUNGE A133
3/8" = 1'-0"

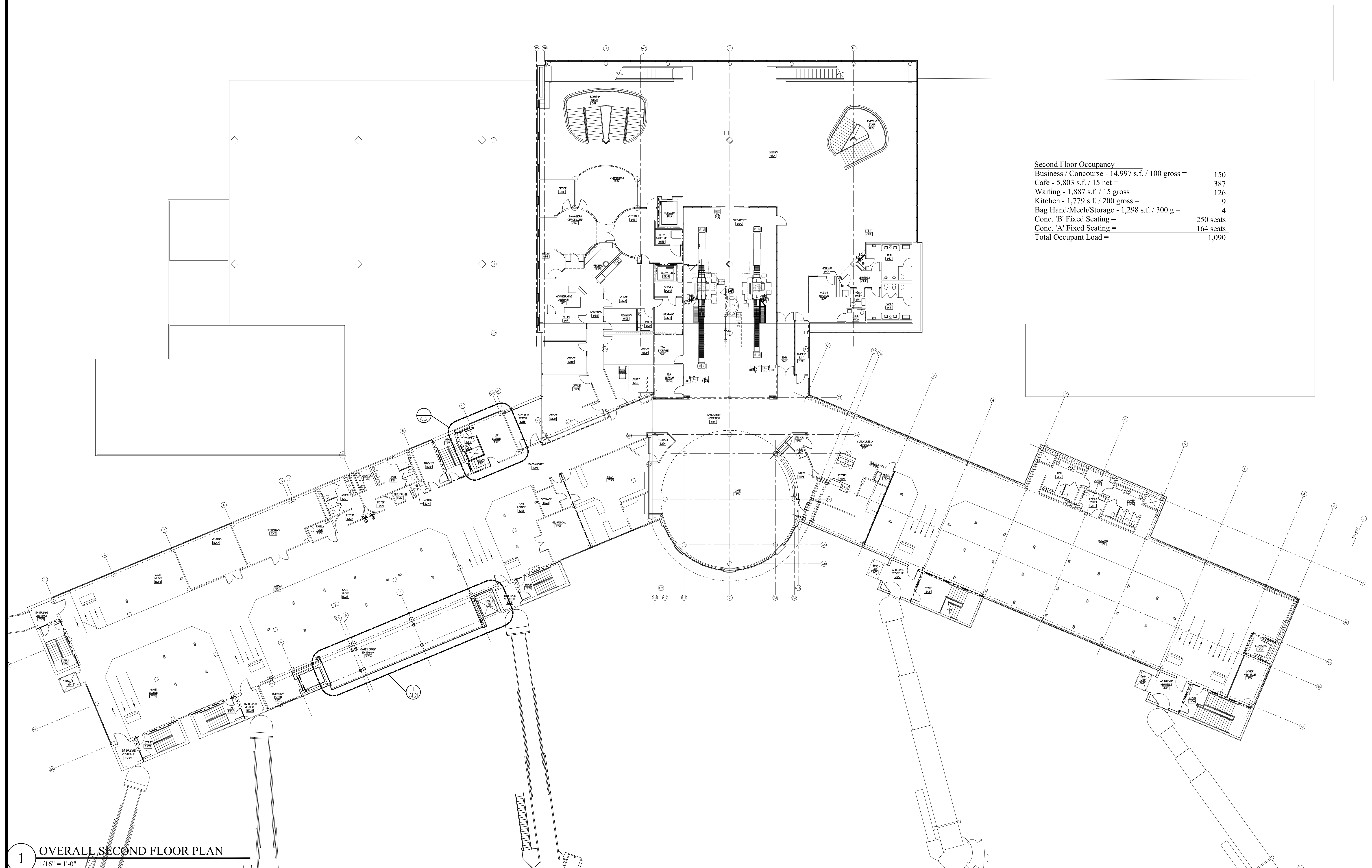
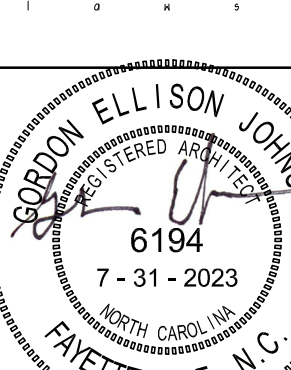


6 CASEWORK @ TRAINING A134
3/8" = 1'-0"



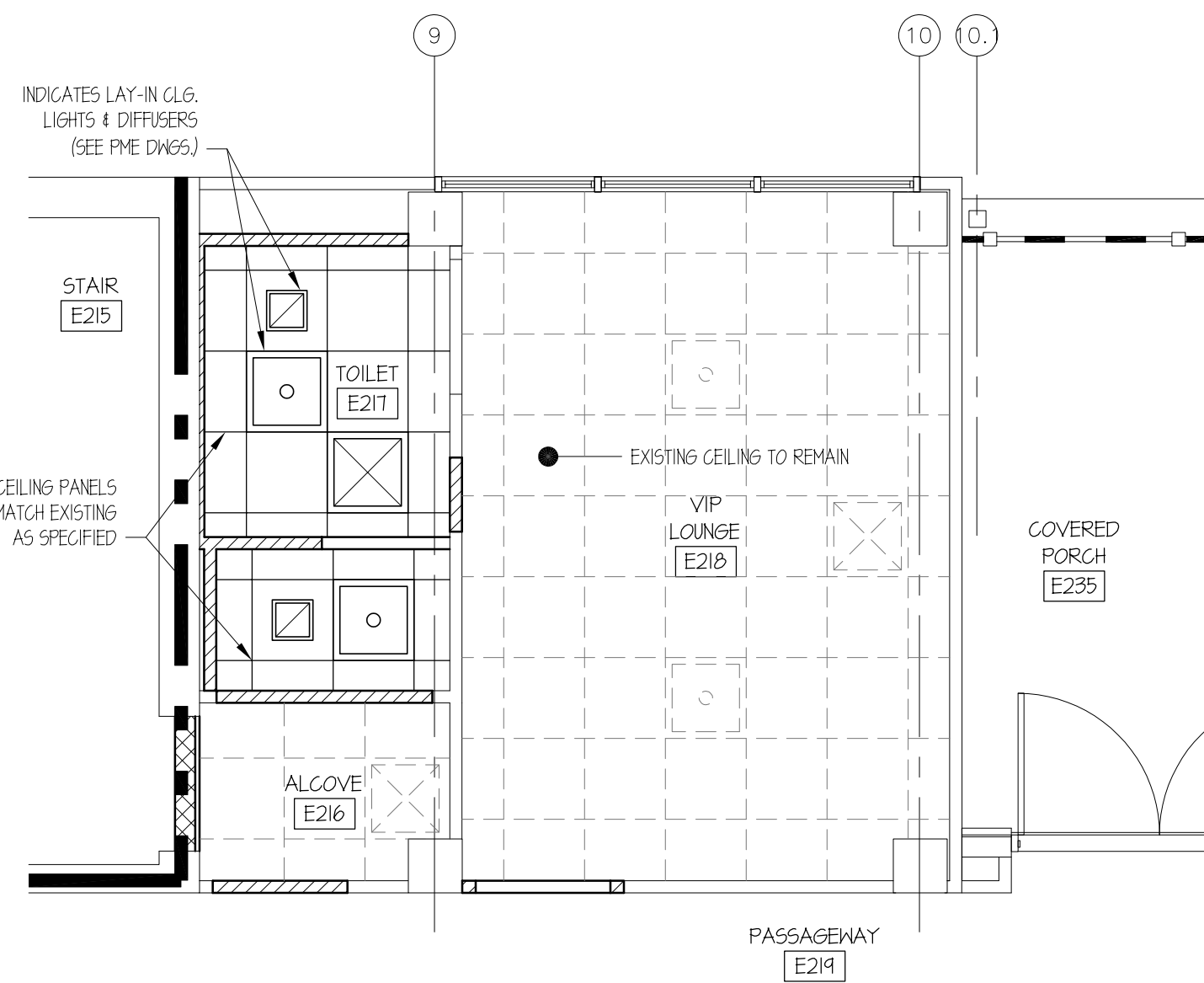
7 SOUTH ELEVATION @ TICKETING WING
1/8" = 1'-0"

NO.	REVISIONS

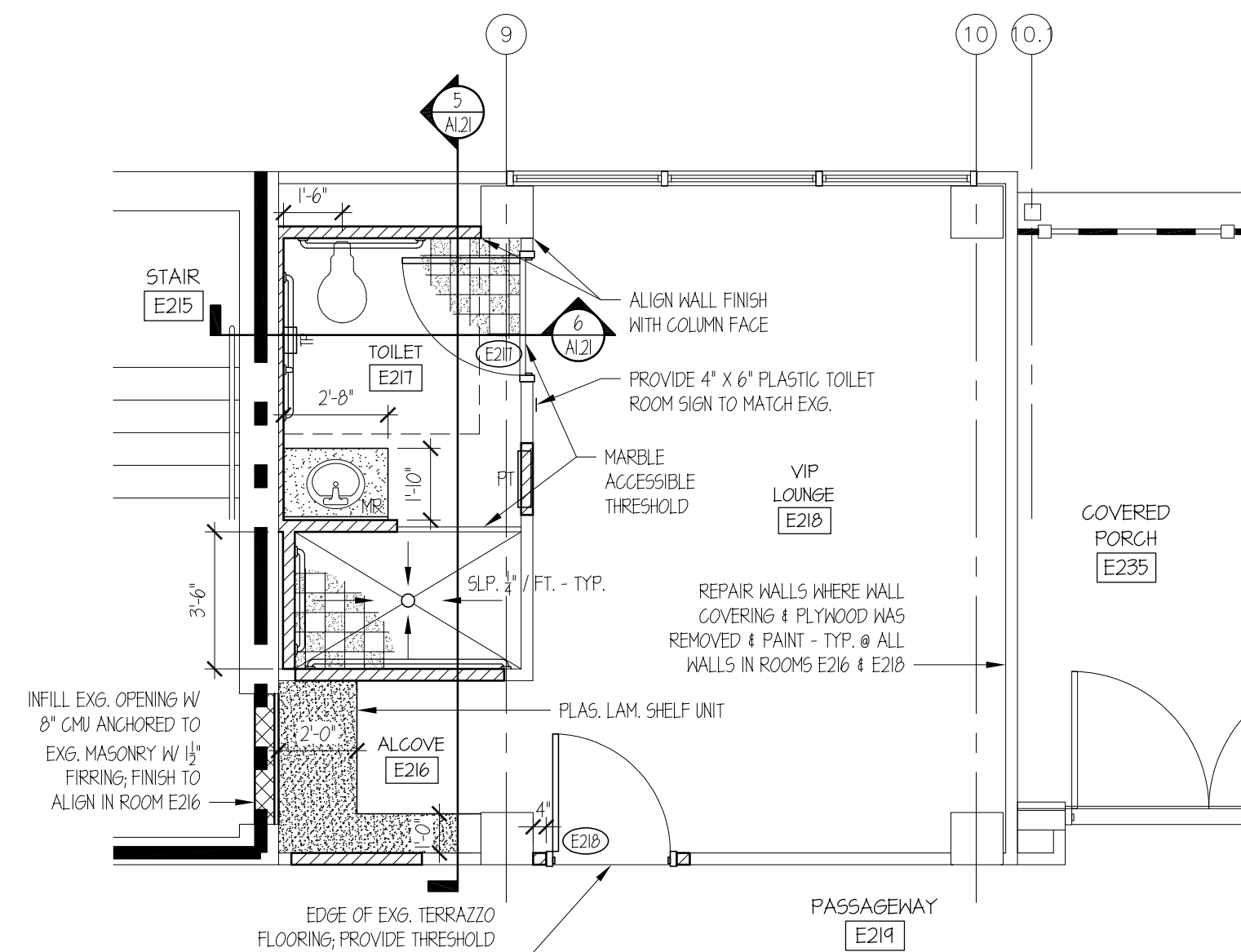


Second Floor Occupancy	
Business / Concourse - 14,997 s.f. / 100 gross =	150
Cafe - 5,803 s.f. / 15 net =	387
Waiting - 1,887 s.f. / 15 gross =	126
Kitchen - 1,779 s.f. / 200 gross =	9
Bag Hand/Mech/Storage - 1,298 s.f. / 300 g =	4
Conc. 'B' Fixed Seating =	250 seats
Conc. 'A' Fixed Seating =	164 seats
Total Occupant Load =	1,090

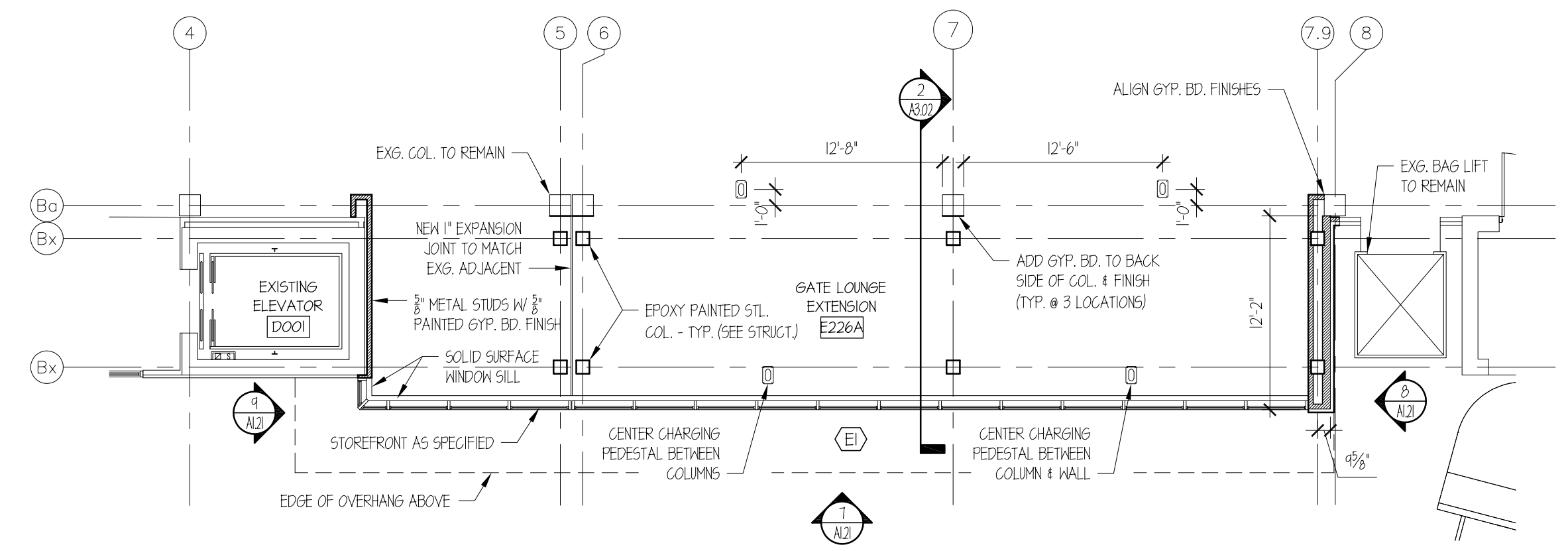
1 OVERALL SECOND FLOOR PLAN
1/16" = 1'-0"



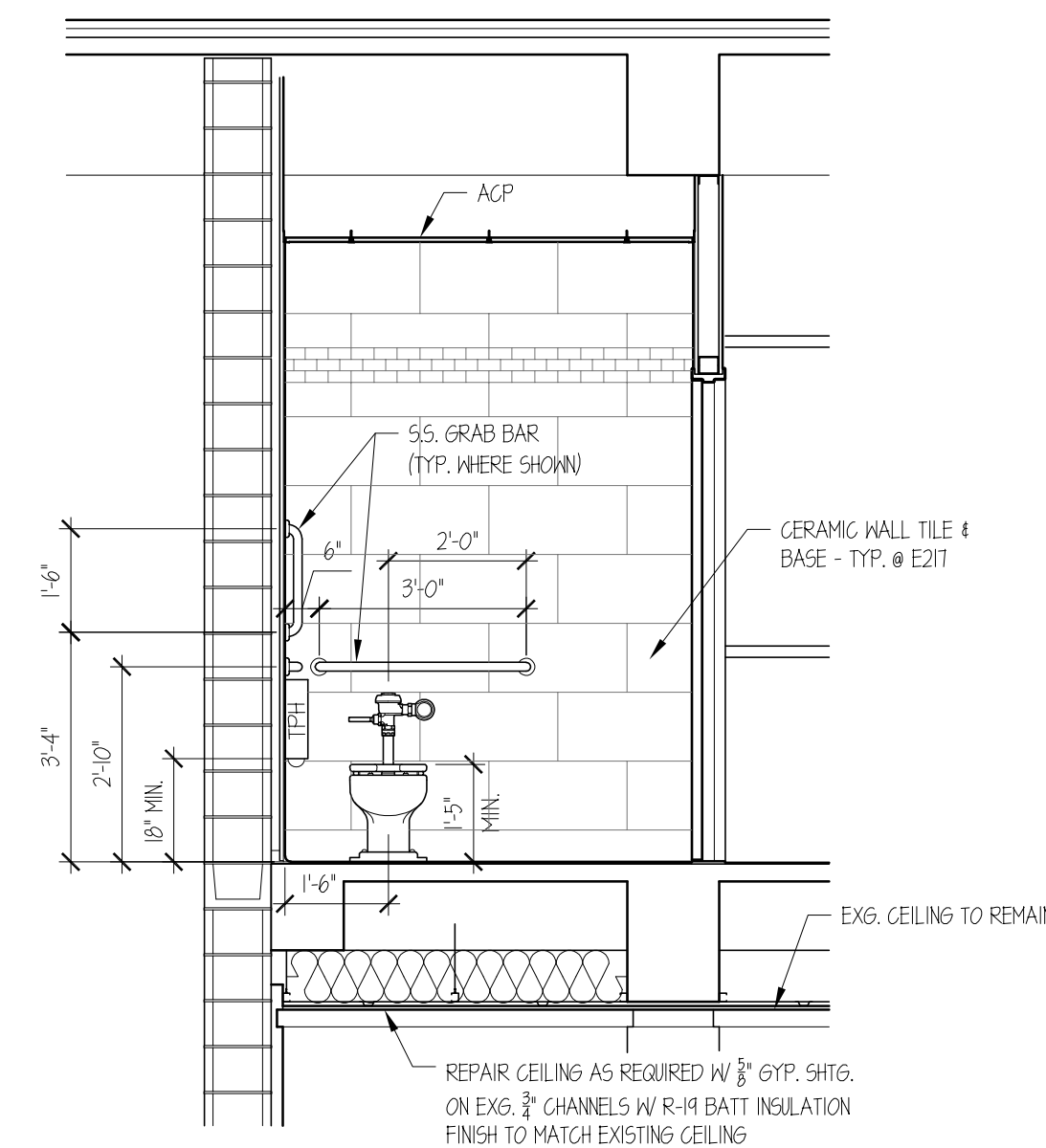
3 REFLECTED CEILING PLAN @ ALCOVE E216 / E217
1/4" = 1'-0"



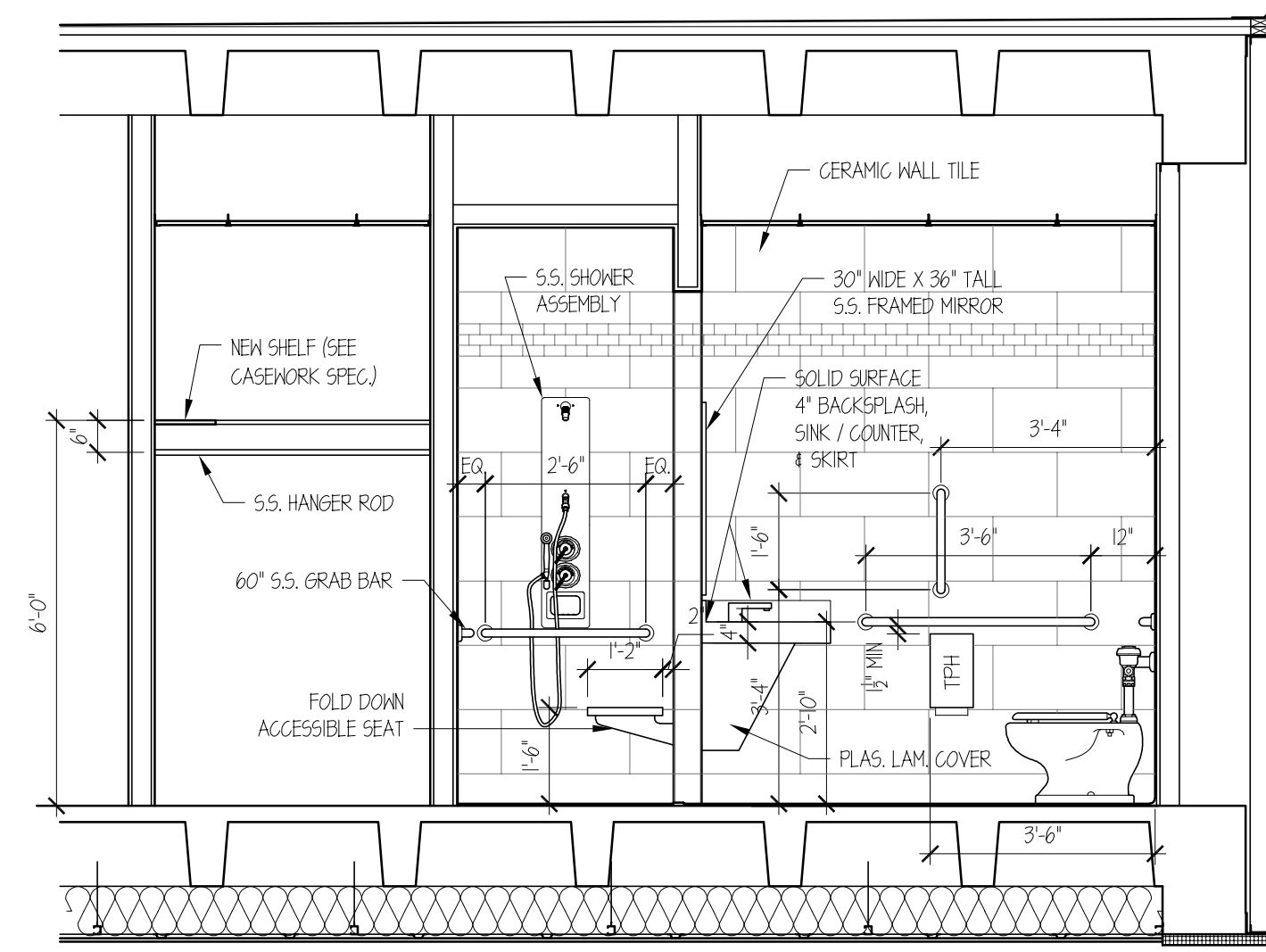
2 ENLARGED PLAN @ ALCOVE E216 / TOILET E217
1/4" = 1'-0"



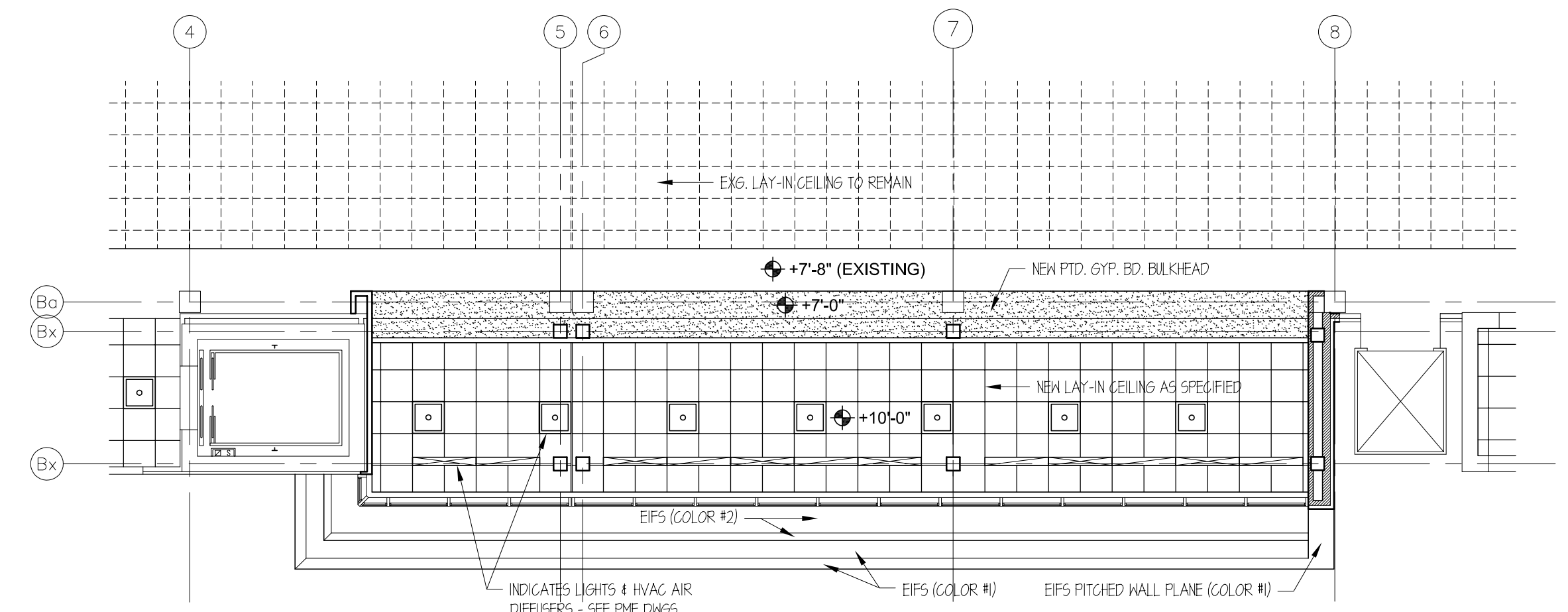
1 ENLARGED FLOOR PLAN @ CONCOURSE B ADDITION
1/8" = 1'-0"



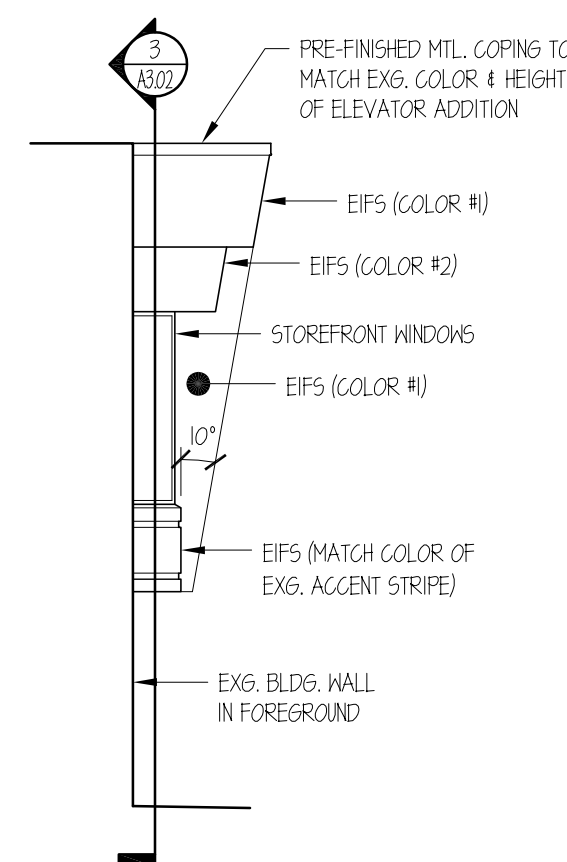
6 SECTION / INTERIOR ELEV. @ TOILET E217
3/8" = 1'-0"



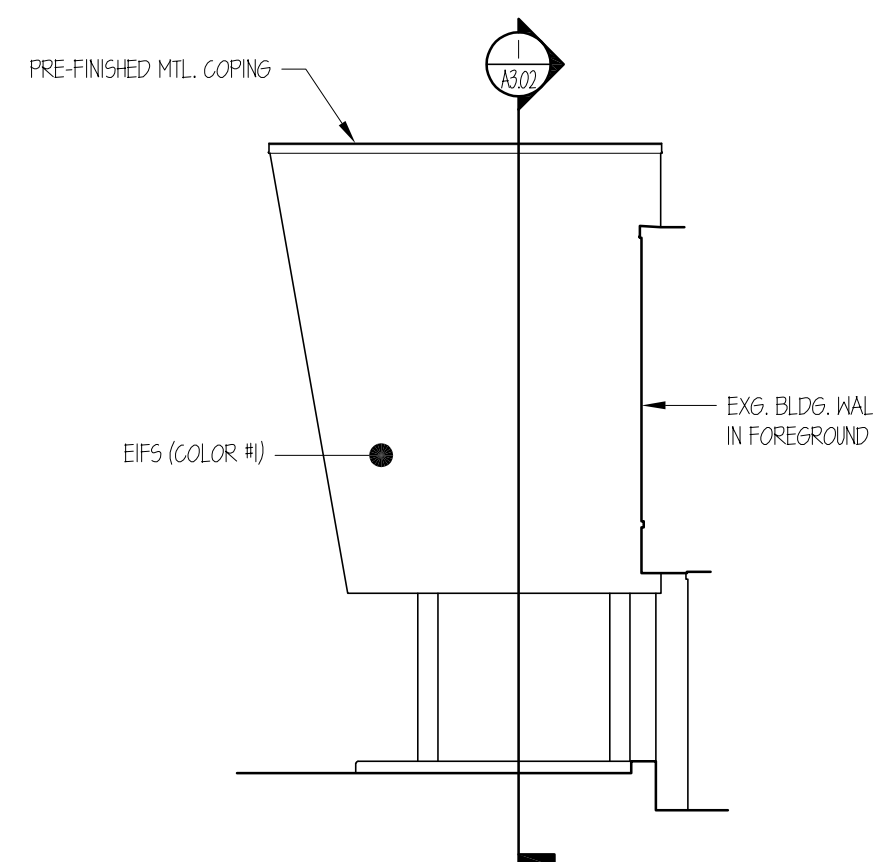
5 SECTION / INTERIOR ELEV. ALCOVE E216 / TOILET E217
3/8" = 1'-0"



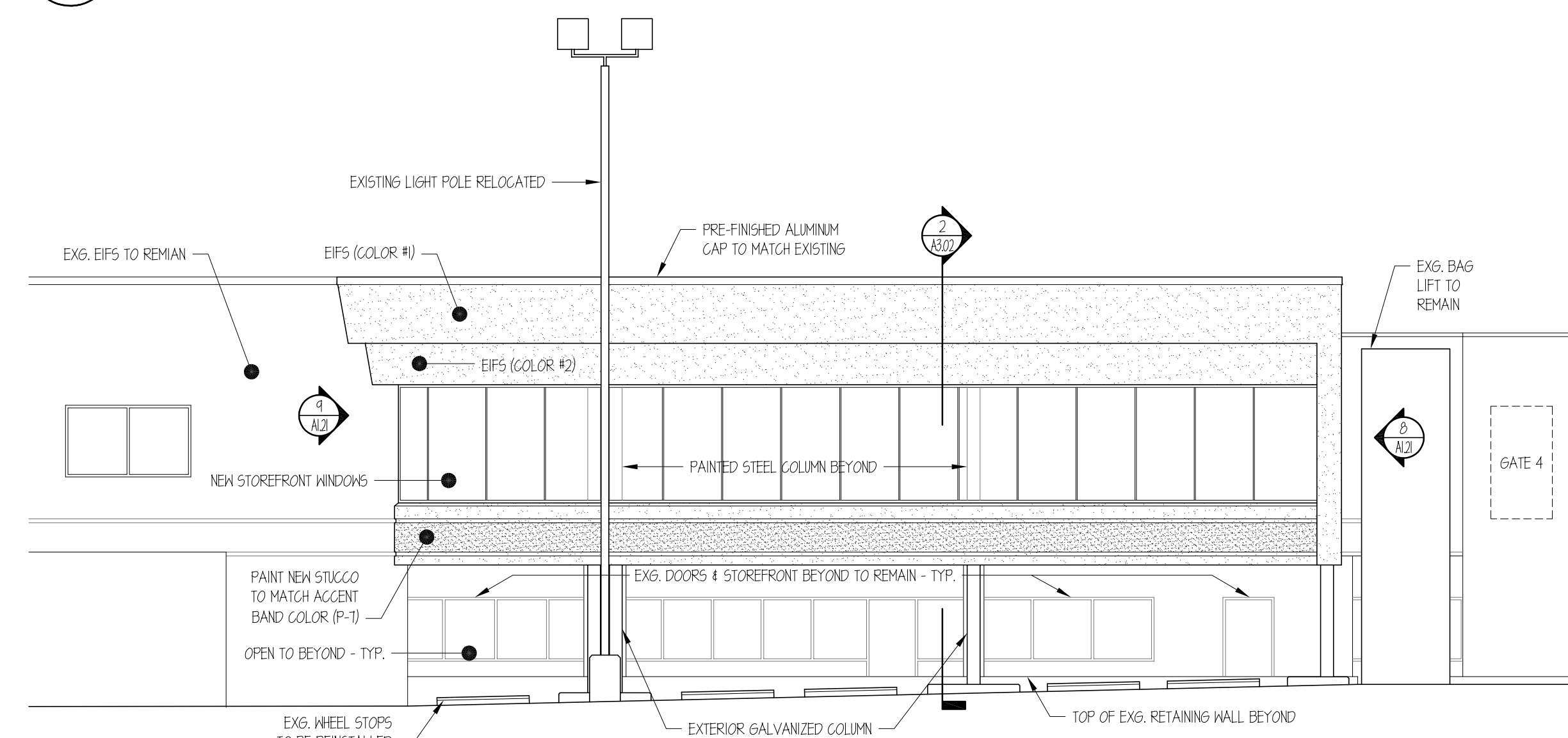
4 REFLECTED CEILING PLAN @ CONCOURSE B ADDITION
1/8" = 1'-0"



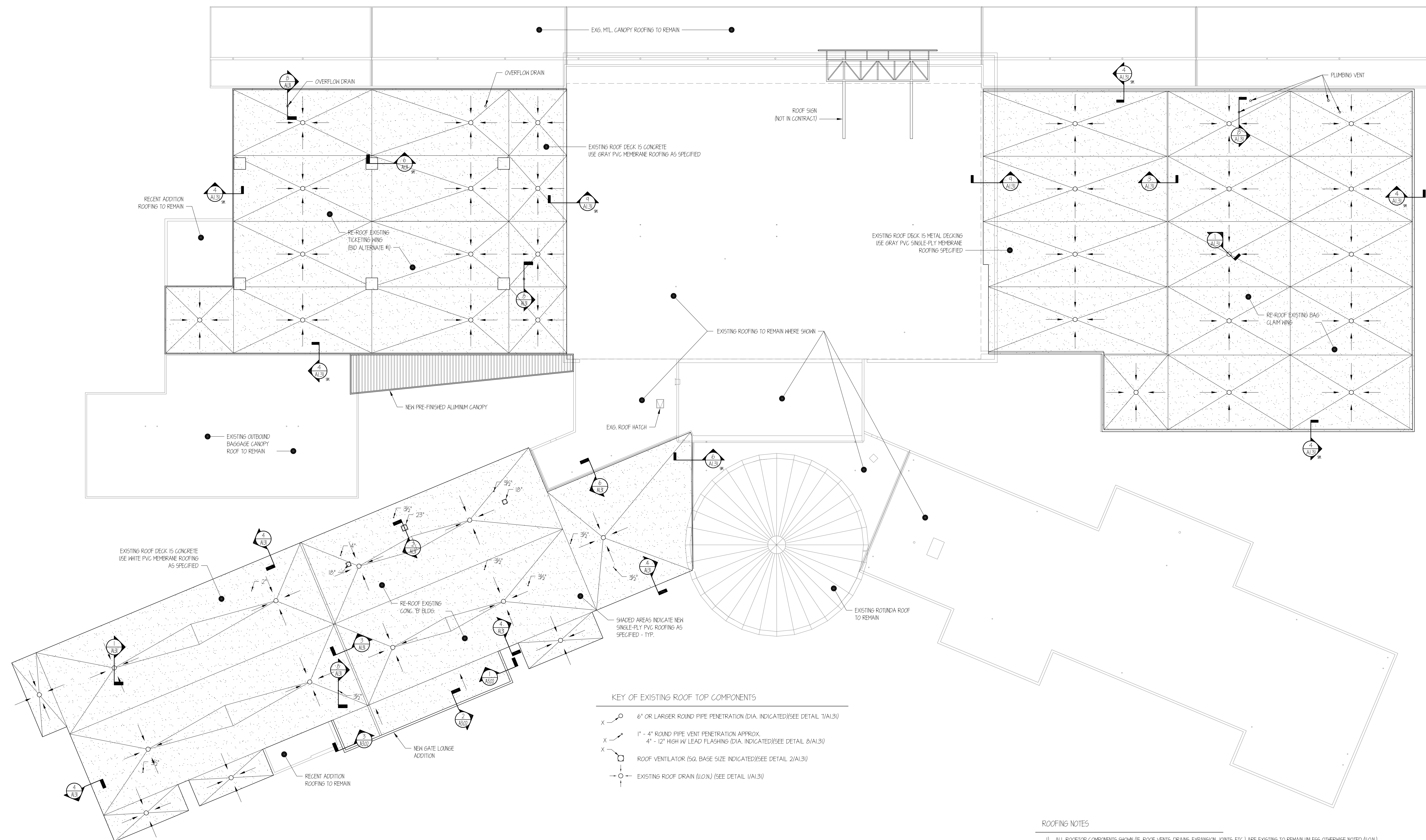
9 WEST ELEVATION @ CONCOURSE B ADDITION
1/8" = 1'-0"



8 EAST ELEVATION @ CONCOURSE B ADDITION
1/8" = 1'-0"

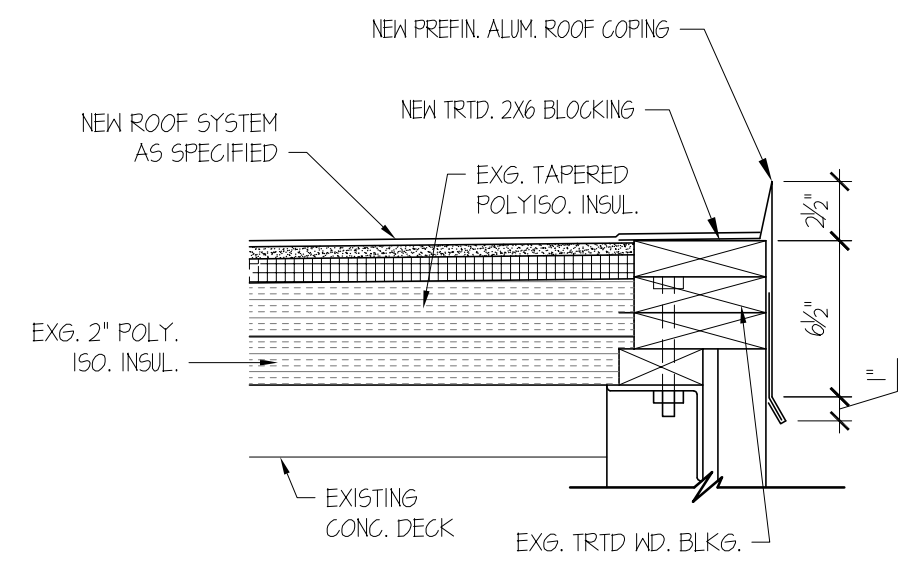


7 SOUTH ELEVATION @ CONCOURSE B ADDITION
1/8" = 1'-0"

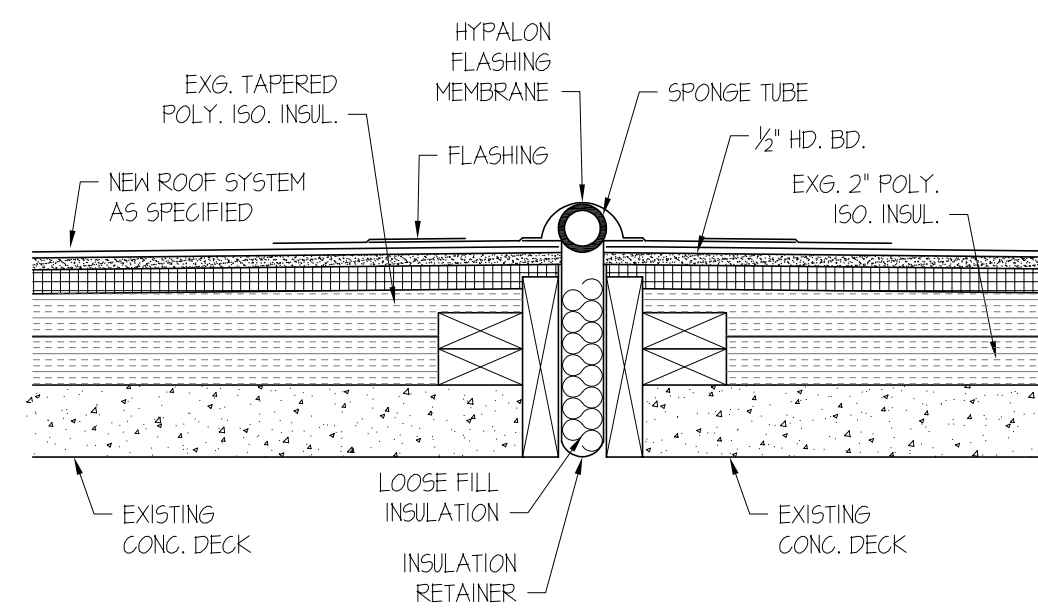


- KEY OF EXISTING ROOF TOP COMPONENTS
- X ○ 6" OR LARGER ROUND PIPE PENETRATION (DIA. INDICATED) (SEE DETAIL 1/A1.3)
 - X ○ 1" - 4" ROUND PIPE VENT PENETRATION APPROX. 4" - 12" HIGH W/ LEAD FLASHING (DIA. INDICATED) (SEE DETAIL 2/A1.3)
 - X ○ ROOF VENTILATOR (SQ. BASE SIZE INDICATED) (SEE DETAIL 2/A1.3)
 - ○ EXISTING ROOF DRAIN (NO. IN) (SEE DETAIL 1/A1.3)

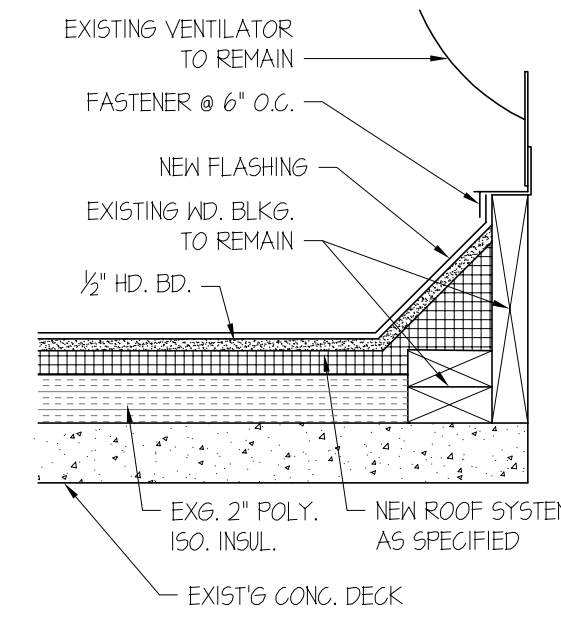
- ROOFING NOTES
- 1) ALL ROOFTOP COMPONENTS SHOWN (IE, ROOF VENTS, DRAINS, EXPANSION JOINTS, ETC.) ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED (U.O.N).
 - 2) SEE DETAILS ON A1.3 FOR ALL TYPICAL RENOVATION DETAILS.
 - 3) ALL WOOD BLOCKING IS EXISTING TO REMAIN U.O.N. (UNLESS OTHERWISE NOTED). IF ROTTEN WOOD IS DISCOVERED CONTACT ARCHITECT FOR REVIEW AND DIRECTION.
 - 4) ALL NEW METAL COPING TO BE AS SPECIFIED IN FINISH 4 COLOR TO MATCH EXISTING.
 - 5) EXISTING BUILT-UP 4-PLY ROOF MEMBRANE & INSULATION TO REMAIN. CONTRACTOR TO REMOVE STONE COVERING AT ALL AREAS INDICATING NEW ROOFING. CONTRACTOR TO FULLY ADHERE ALL NEW ROOFING COMPONENTS. BIDDERS ARE NOT ALLOWED TO DO THEIR OWN FALL TEST ON THIS DECK. CONTRACTOR TO REVIEW WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE ANY ROOF AREAS THAT MAY BE SUSPECT FOR CONTAINING MET INSULATION, BASE SHEET, EXISTING COVER BOARD OR DAMAGED METAL DECK AND, IF FOUND, TO DETERMINE THE TOTAL AREA OF DAMAGED MATERIAL AND PROPOSE A CHANGE ORDER FOR REPLACING THE SAME.
 - 6) PROVIDE AND INSTALL NEW PVC SINGLE-PLY MEMBRANE, COVER BOARD, & 1" EXTRUDED POLYSTYRENE INSULATION BOARD AS SPECIFIED OVER ENTIRE ROOF AREA AS INDICATED ON THIS PLAN.
 - 7) THE OWNER HAS CONFIRMED THAT NO ASBESTOS CONTAINING MATERIALS WERE USED TO CONSTRUCT THE EXISTING ROOF.
 - 8) ALL CONSTRUCTION DEBRIS SHALL BE HAULED OFF SITE AND LEGALLY DUMPED AT THE CONTRACTOR'S EXPENSE.
 - 9) SEE ADDITIONAL GENERAL NOTES ON A1.0.



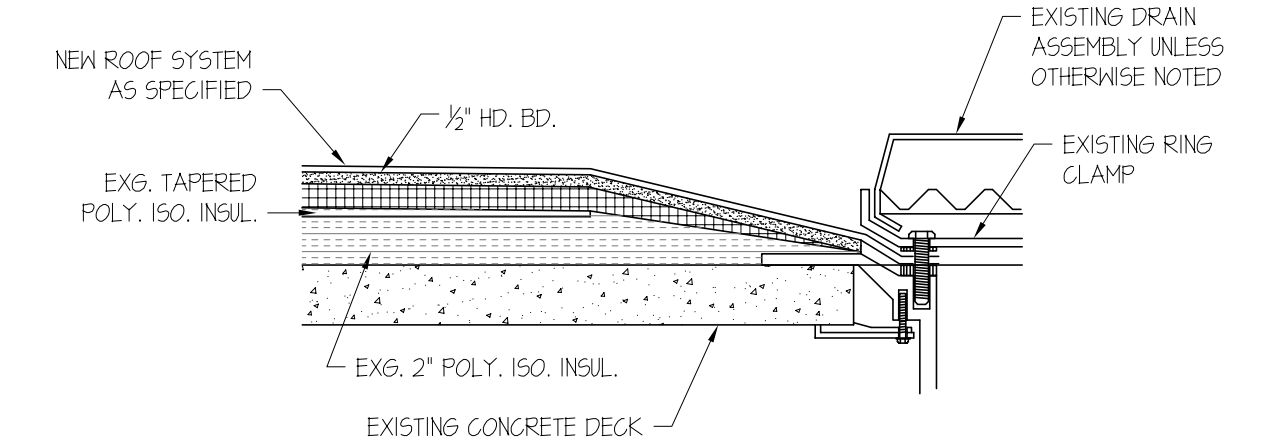
4 ROOF EDGE DETAIL
1 1/2" = 1'-0"



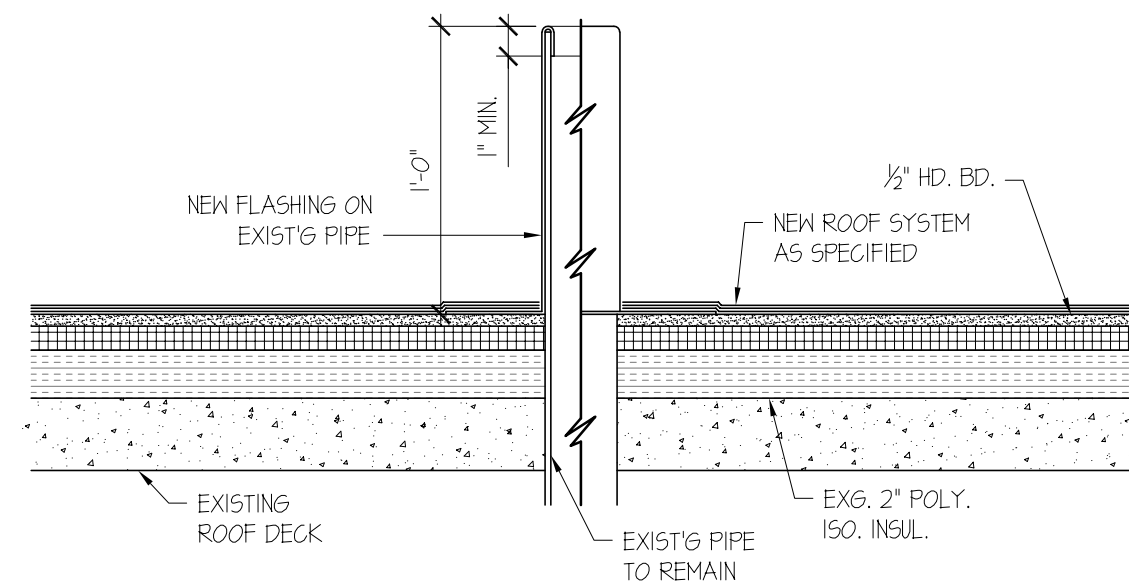
3 EXPANSION JOINT DETAIL
1 1/2" = 1'-0"



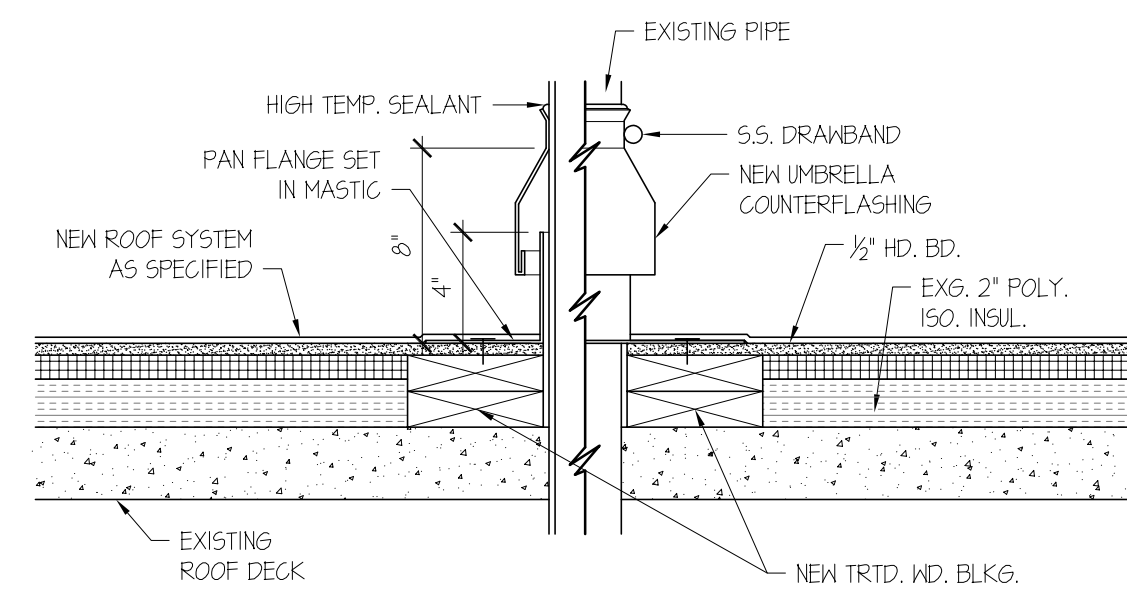
2 ROOF VENTILATOR DETAIL
1 1/2" = 1'-0"



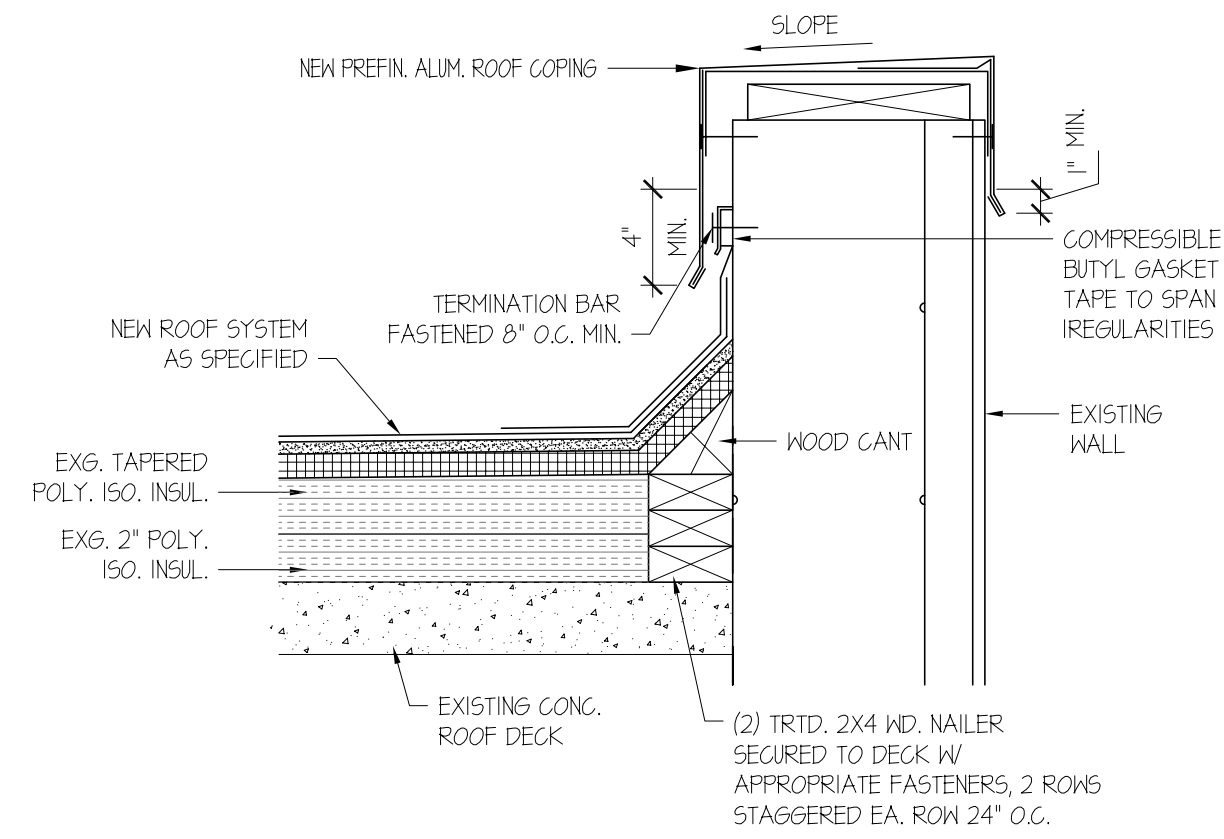
1 ROOF DRAIN DETAIL
1 1/2" = 1'-0"



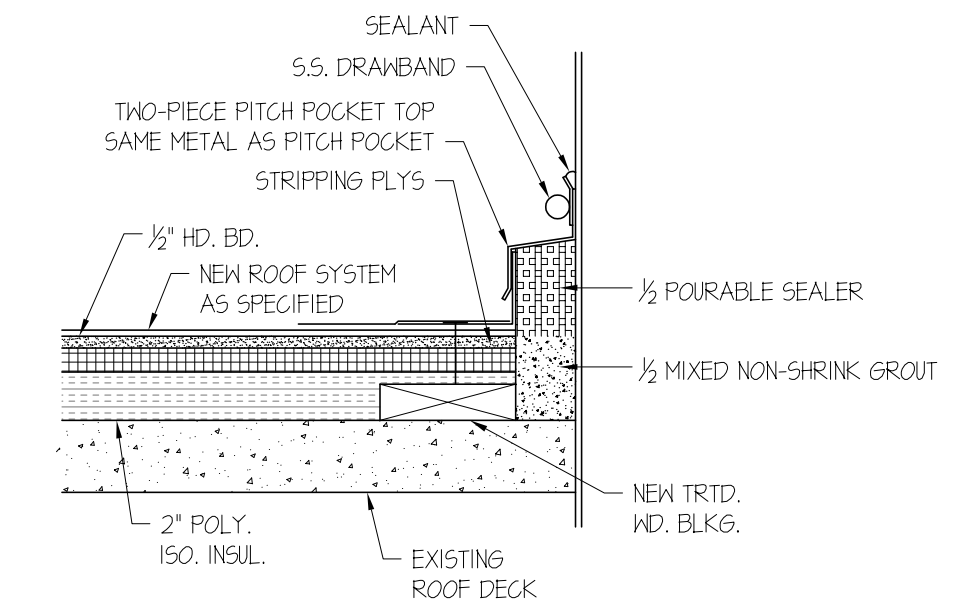
8 VENT / OVERFLOW PIPE DETAIL
1 1/2" = 1'-0"



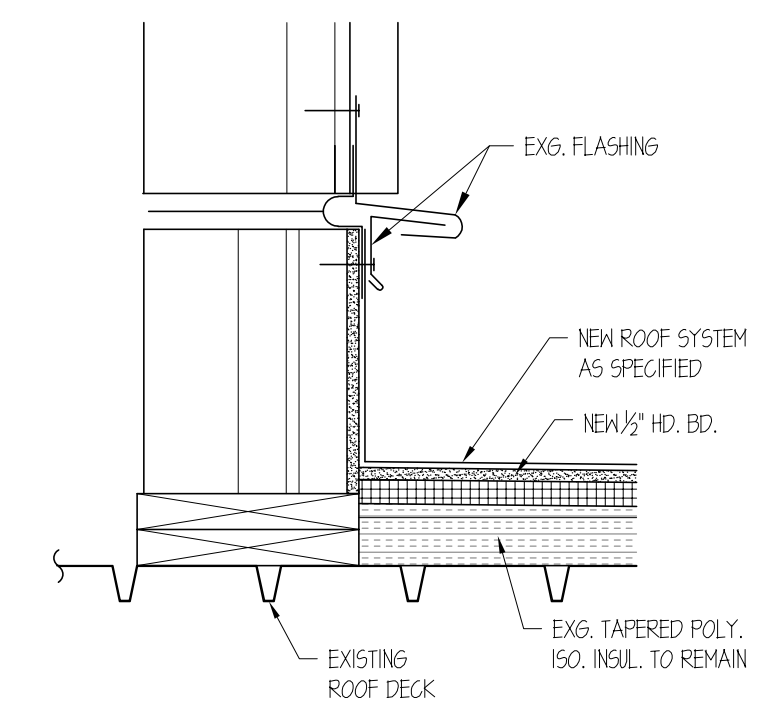
7 ROUND PIPE FLASHING DETAIL
1 1/2" = 1'-0"



6 PARAPET WALL DETAIL
1 1/2" = 1'-0"



5 PITCH POCKET DETAIL
1 1/2" = 1'-0"



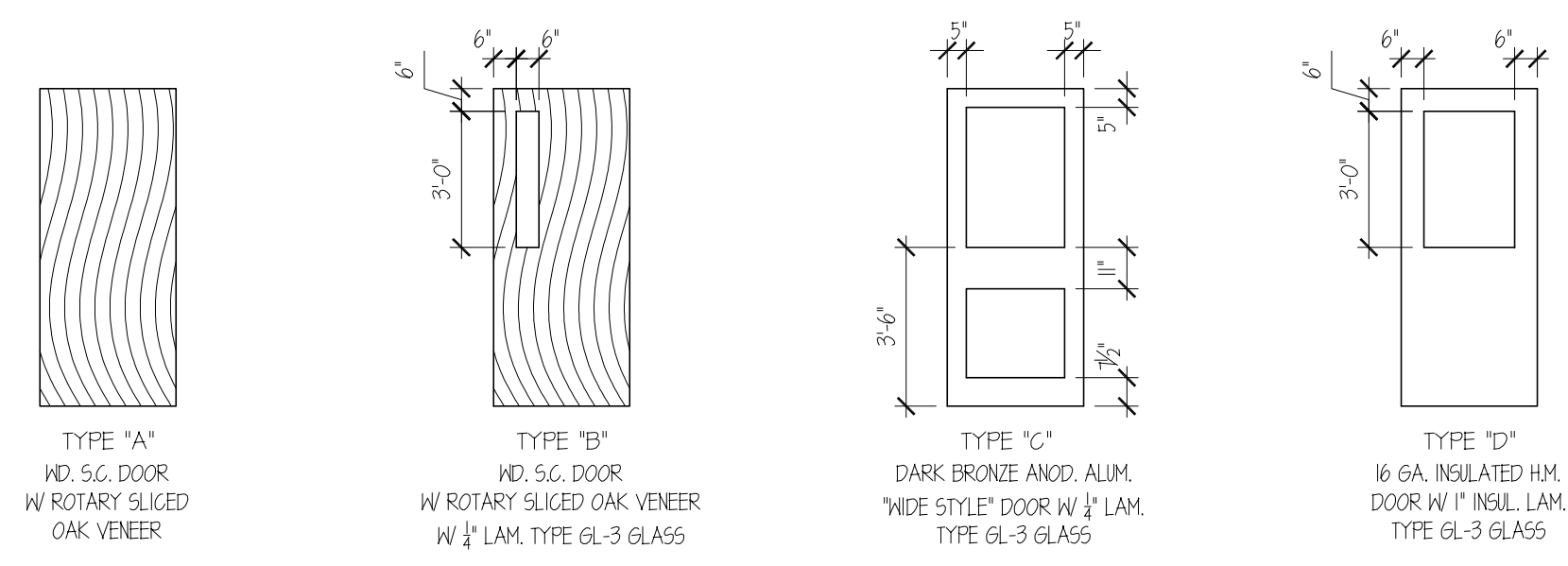
9 WALL FLASHING DETAIL
1 1/2" = 1'-0"

DOOR SCHEDULE

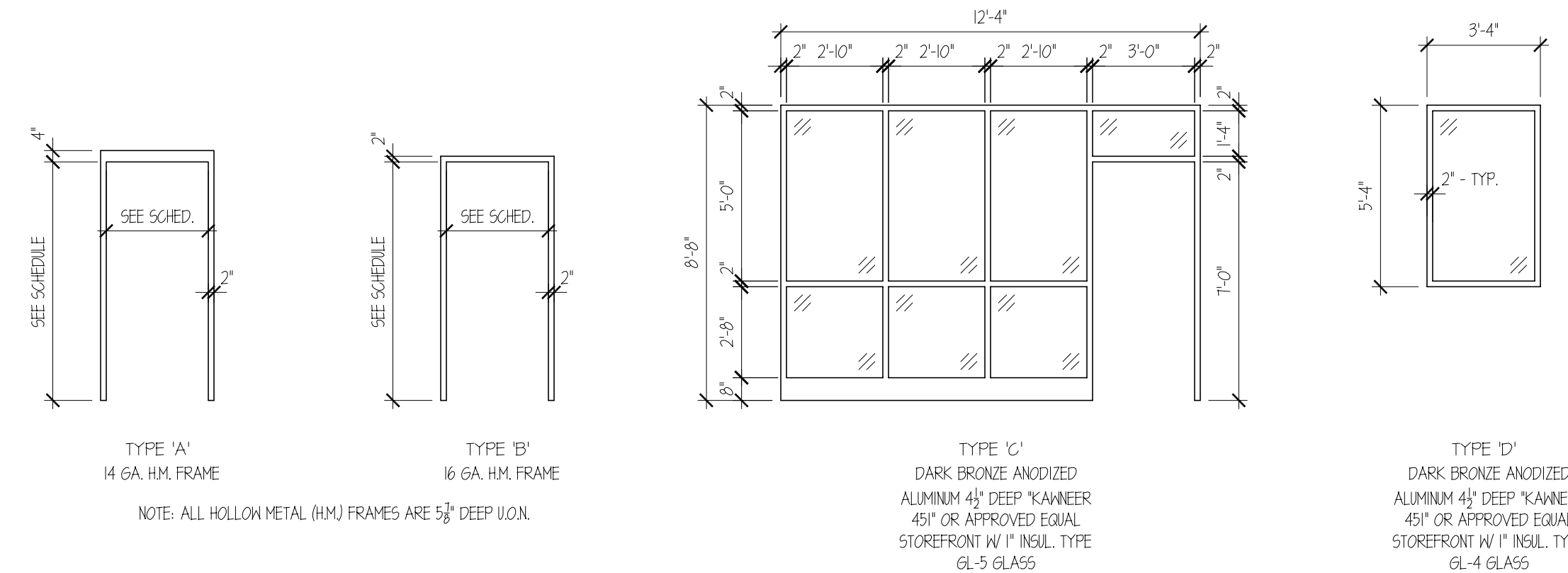
DOOR				FRAME								
#	TYPE	WIDTH	HEIGHT	THICK	MAT.	FINISH	TYPE	MAT.	FINISH	HEAD JAMB	HDN. SET	NOTES
A127	D	3'-0"	7'-0"	1 3/4"	H.M.	PAINT	A	H.M.	P-3	3/A/40	1	
A131	A				WOOD	STAIN				4/A/40	2	
A132	B										3	
A135							B			5/A/40		
A136										6/A/40		
A137												
A138	C				ALUM.	ANOD.	C	ALUM.	ANOD.		4	
E217	A				WOOD	STAIN	A	H.M.	P-3	5/A/40	2	
E218		EXISTING TO BE RELOCATED				EXISTING TO BE RELOCATED						

HARDWARE SETS

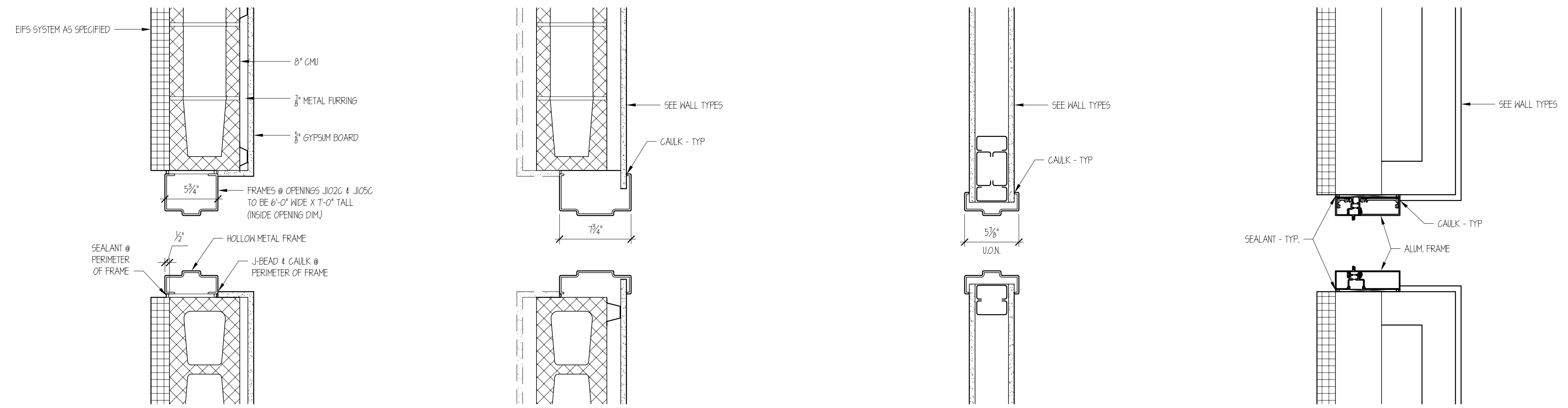
- SET #1:
 3) BUTT HINGES
 1) ENTRANCE LOCKSET W/ PANIC DEVICE
 1) ELECTRONIC LATCH W/ 2 PROXY READERS
 1) CLOSER
 1) ALUM. THRESHOLD
 1) WEATHER STRIP
- SET #2:
 3) BUTT HINGES
 1) PRIVACY SET
 1) CLOSER
 3) DOOR SILENCERS
- SET #3:
 3) BUTT HINGES
 1) OFFICE LOCKSET
 3) DOOR SILENCERS
 1) WALL STOP
- SET #4:
 1) CONTINUOUS ALUMINUM GEARED HINGE
 1) PASSAGE LOCKSET
 1) CLOSER
 1) WEATHER STRIP
 1) ALUMINUM THRESHOLD



1 DOOR TYPES
1/4" = 1'-0"



2 DOOR & WINDOW FRAME TYPES
1/4" = 1'-0"



3 DOOR FRAME DETAIL
1 1/2" = 1'-0"

4 DOOR FRAME DETAIL
1 1/2" = 1'-0"

5 DOOR FRAME DETAIL
1 1/2" = 1'-0"

6 DOOR FRAME DETAIL
1 1/2" = 1'-0"

FINISH SCHEDULE

#	ROOM	FLOORS		WALLS		CEILING		REMARKS
		MATERIAL	BASE	MATERIAL	FINISH	MATERIAL	FINISH	
A127	VESTIBULE	VCT-1	RB-1	GYP/SM BOARD	P-1	ACP-1	FACTORY	
A131	TOILET	CT-3	CTB-1	CT-4 / CT2	FACTORY			
A132	OPERATIONS	VCT-1	RB-1	GYP/SM BOARD	P-1			
A133	LOUNGE							
A134	TRAINING							
A135	OFFICE							
A136	OFFICE							
A137	OFFICE							
A138	LOUNGE							
E216	FOYER	CPT-1	RB-1					
E217	TOILET	CT-3	CTB-1	CT-4 / CT2	FACTORY			
E218	VIP LOUNGE	CPT-1	RB-1	GYP/SM BOARD	P-1			
E236A	GATE LOUNGE EXTENSION				P-1 / P-5			

FINISH SCHEDULE NOTES

- SEE FLOOR PLAN FOR FLOOR FINISHES, LOCATIONS, AND TYPE
- GATE LOUNGES AT SECOND FLOOR CONCOURSE B (E236) SHOULD BE PAINT P-5 BELOW WINDOW SILL (APPROX 3'-0") AND PAINT P-1 FROM WINDOW SILL TO CEILING ABOVE
- PROVIDE TRANSITION STRIP WHERE DIFFERENT FLOOR FINISHES MEET. TRANSITION STRIP SHOULD BE UNDER DOOR LEAF. MATERIAL TO BE MARBLE NEXT TO TILE FLOORING, PROVIDE MTS-1 OTHERWISE.

GENERAL FINISH NOTES

- SEE RCP PLANS FOR CEILING HEIGHTS & SPECIFIC FINISH DETAILS
- CLEAN & POINT UP ALL EXG. CMU SCHEDULED FOR A PAINT FINISH

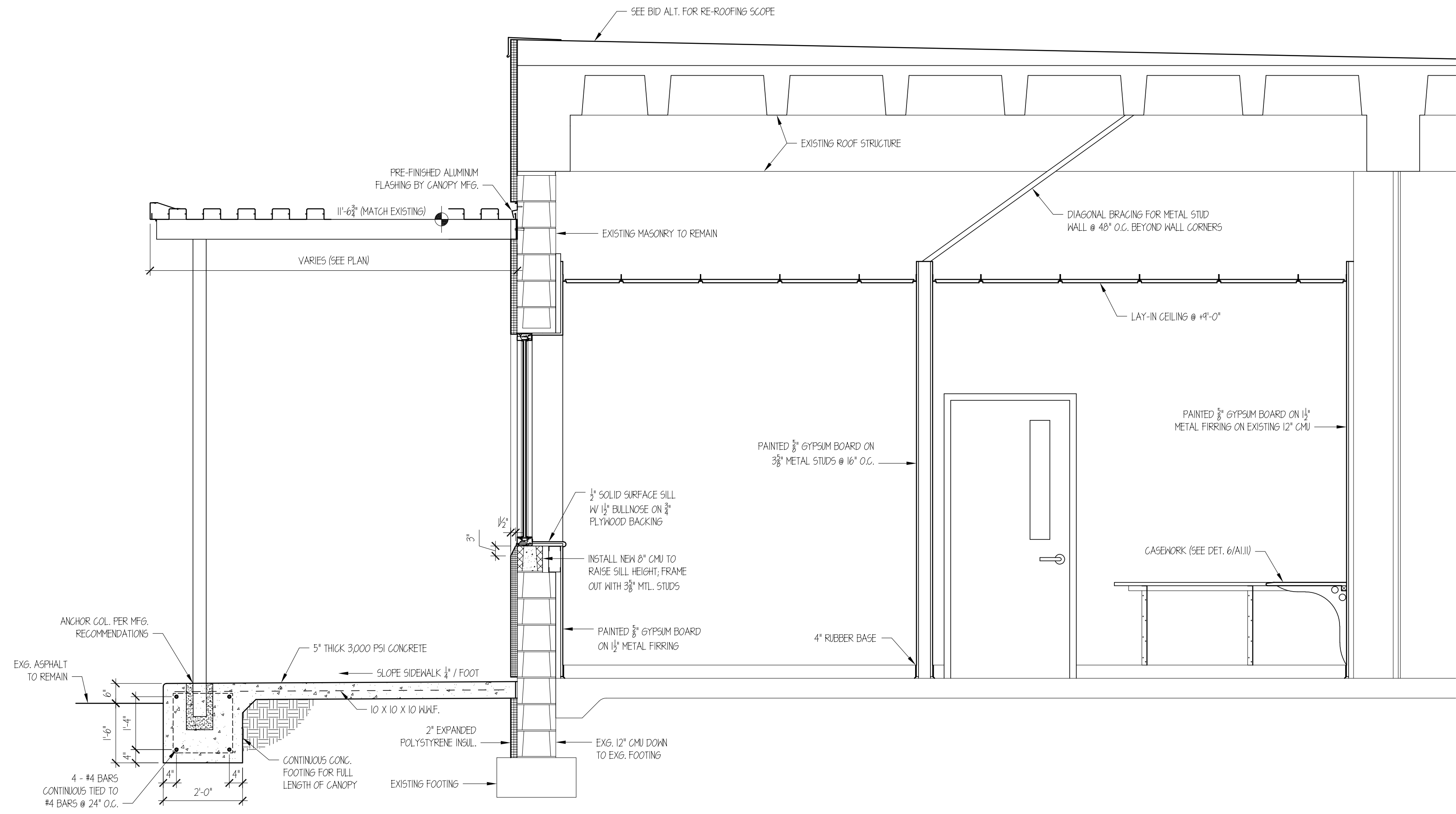
FINISH LEGEND

ITEM	DESCRIPTION
CPT-1	CARPET TILE AS SPECIFIED
CPT-2	SHAW CONTRACT STEPPIN OUT WELCOME II, 24" X 24" CARPET TILE 51031; COLOR: MULTICOLOR 31481
VCT-1	ARMSTRONG STANDARD EXCELON VINYL COMPOSITION TILE, 12" X 12", COLOR #51927 FIELD GRAY
VCT-2	ARMSTRONG STANDARD EXCELON VINYL COMPOSITION TILE, 12" X 12", COLOR #51858 SANDRIFT WHITE
SDT-1	FLEXCO ESD 12" X 12", COLOR #40 WHITE/GRAY
TR-1	DAVID ALLEN COMPANY FAYETTEVILLE AIRPORT OHDAC16 TZ4050616 (WHITE)
TR-2	DAVID ALLEN COMPANY FAYETTEVILLE AIRPORT OHDAC16 TZ1031416 (CREAM)
TR-3	DAVID ALLEN COMPANY FAYETTEVILLE AIRPORT OHDAC16 TZ1031416 (BROWN)
TR-4	DAVID ALLEN COMPANY FAYETTEVILLE AIRPORT OHDAC16 TZ0050616 (BLUE)
TR-5	MATCH EXG. WHITE FINISH
TR-6	MATCH EXG. GRAY FINISH
CT-1	CERAMIC TILE 12"x24" DALTILE ESTA VILLA COTTAGE BROWN EV91 IN BRICK PATTERN (SEE INTERIOR ELEVATIONS AT.10)
CT-2	CERAMIC TILE 2"x4" MOSAIC DALTILE ESTA VILLA TERRACE BEIGE EV48 (SEE INTERIOR ELEVATIONS AT.10)
CT-3	CERAMIC TILE 2"x2" UNGLAZED MOSAIC BY DALTILE, COLOR TO BE UPTOWN TAPE SPECKLE D202 & ARTISAN BROWN SPECKLE D204 IN A 6" SQ. CHECKERBOARD PATTERN
CT-4	CERAMIC TILE 12"x12" DALTILE ESTA VILLA TERRACE BEIGE EV48 IN BRICK PATTERN
CTB-1	CERAMIC TILE BASE - DALTILE 2"x2" MB-5A SHAPE IN ARTISAN BROWN SPECKLE D204
RB-1	RUBBER BASE AS SPECIFIED
MTS-1	METAL TRANSITION STRIP - SCHLUTER. QUADEC EB BRUSHED STAINLESS STEEL
P-1	LATEX EGGSHELL PAINT, SHERWIN-WILLIAMS, SW 6141 PANDA WHITE
P-2	LATEX SEMI-GLOSS PAINT, SHERWIN-WILLIAMS, SW 6335 FIRED BRICK
P-3	LATEX SEMI-GLOSS PAINT, SHERWIN-WILLIAMS, SW 7020 BLACK FOX
P-4	LATEX FLAT PAINT, SHERWIN-WILLIAMS, SW 7151 HIGH REFLECTIVE WHITE
P-5	FRE INDUSTRIAL PRE-CATALYZED WATER BASED EPOXY BY SHERWIN WILLIAMS OR APPROVED EQUAL IN SW 7521 NANTUCKET DUNE
P-6	MACROPOXY 646-100 BY SHERWIN WILLIAMS IN SW 6141 PANDA WHITE
P-7	ALKYD ACRYLIC SEMI-GLOSS PAINT, SHERWIN WILLIAMS, SW 6314 LUXURIOUS RED
ACP-1	ACOUSTICAL CEILING PANEL - USG MARS CLIMA PLUS SLT 24" X 24" WITH DX/DXL 15/16" SUSPENSION GRID
PL-1	PLASTIC LAMINATE - WILSONART, WINDSHEP FEINTER 4795-60
SS-1	SOLID SURFACE - WILSONART, JOVIAN 4211CM (VANITY BOWLS TO BE WILSONART OVAL ADA VANITY BV1512 CREAM)

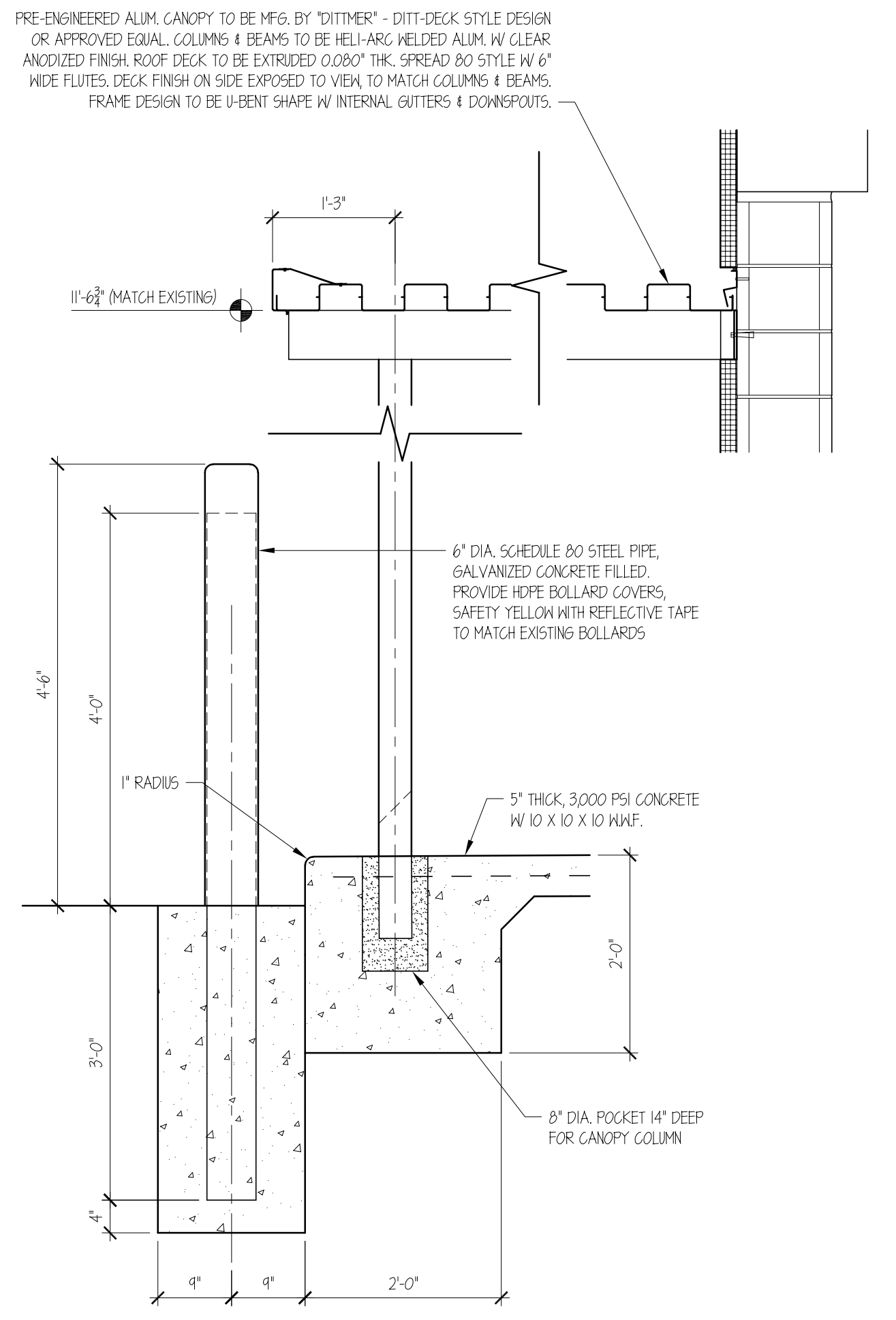
GORDON JOHNSON
 Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2188
 gordonjohnsonarchitecture.com
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 Gordon E. Johnson, AIA
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Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 Room Finish & Door Schedules, Door & Frame Elevations & Finish Legend
 400 Airport Road
 Fayetteville, North Carolina 28306

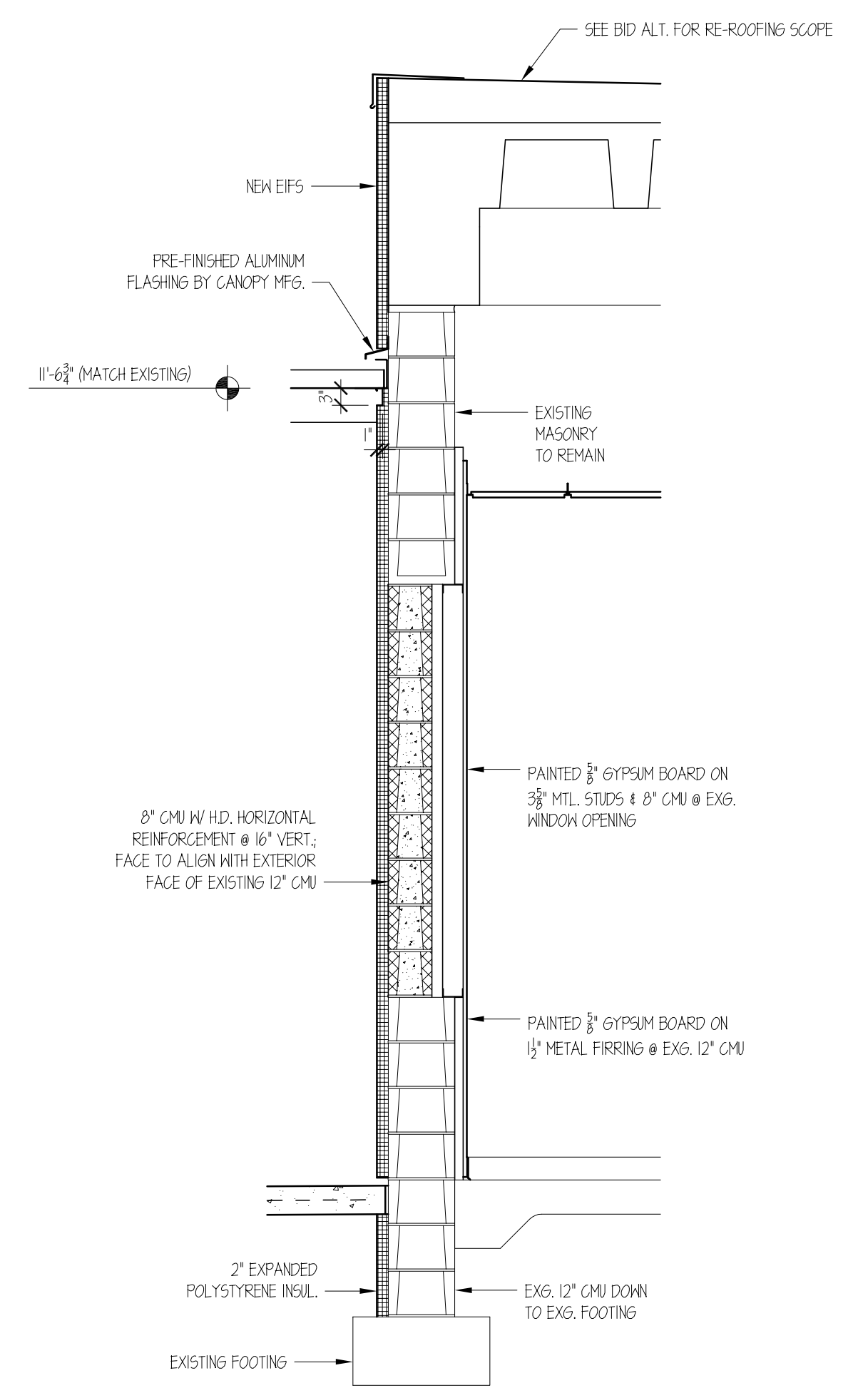
DRAWN BY: JD Pike
 REVIEWED BY: G. Johnson
 DATE: 7-31-23
 PROJECT NO.: 2207
 NOTES:
 REVISIONS:
 SHEET NUMBER:
A1.40



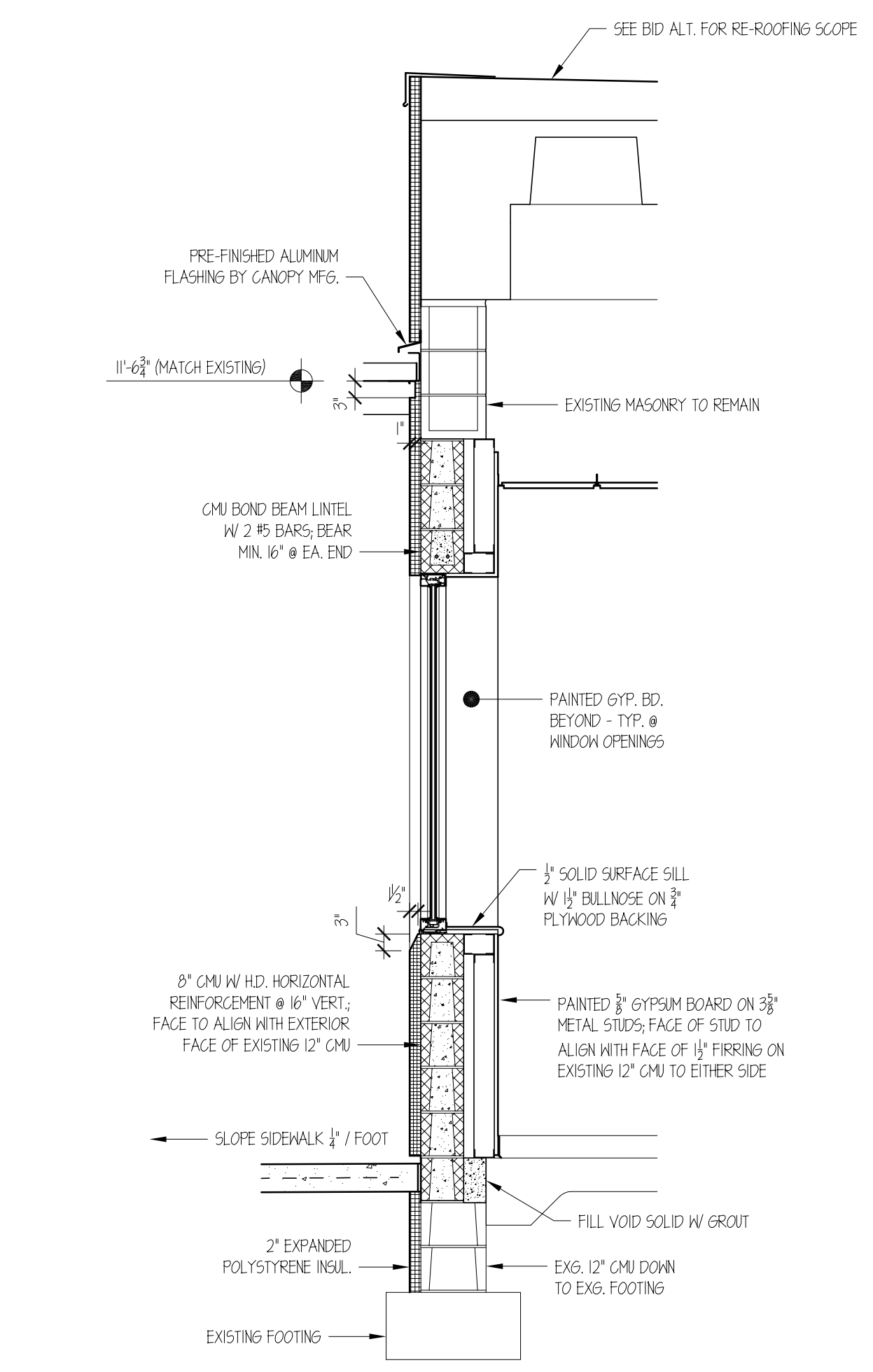
2 SECTION @ AIRLINE OFFICE RENOVATION
1/2" = 1'-0"



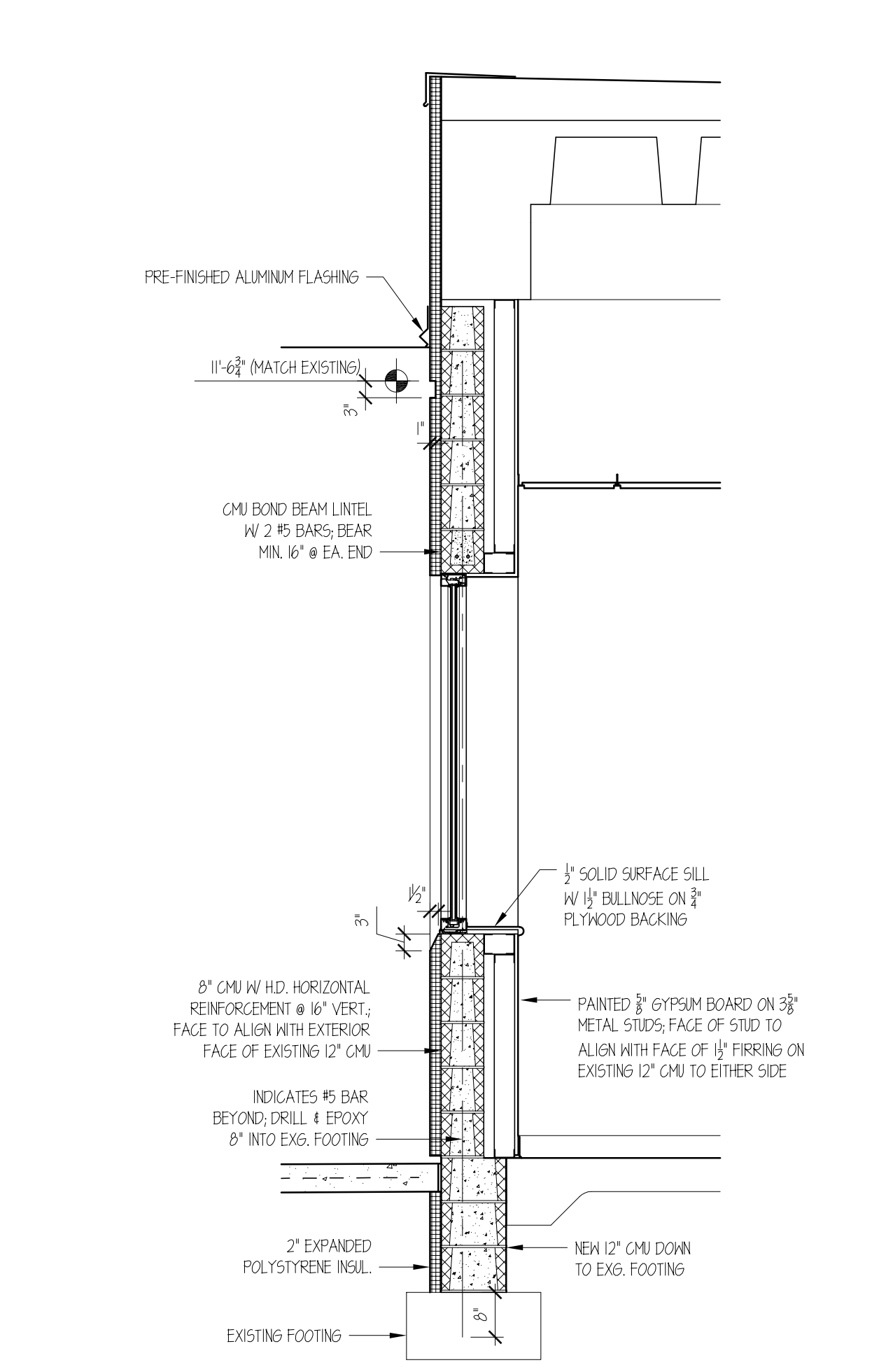
1 SECTION @ AIRLINE OFFICE CANOPY
3/4" = 1'-0"



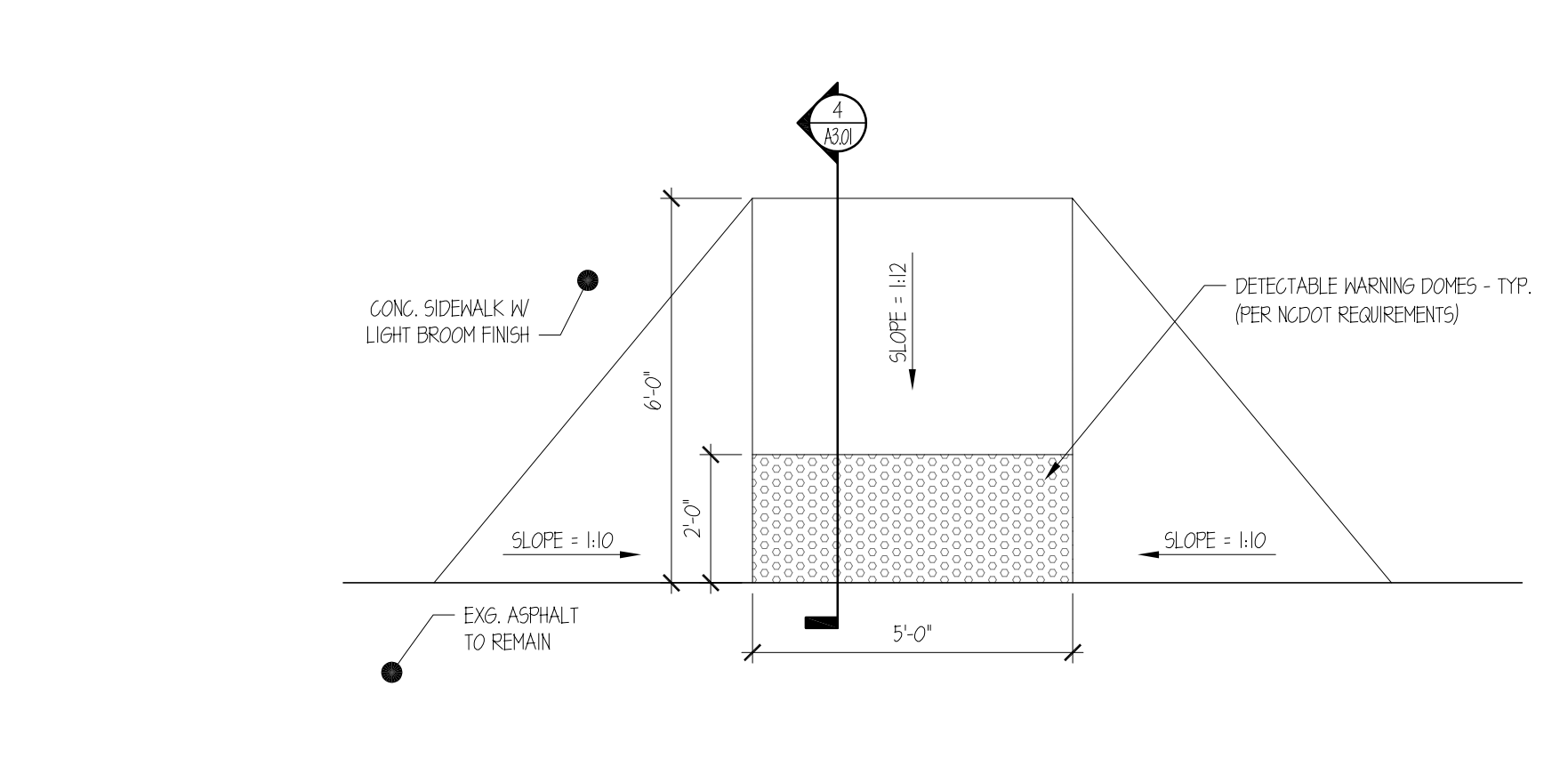
7 SECTION @ AIRLINE OFFICE RENOVATION
1/2" = 1'-0"
(@ EXISTING WINDOW OPENING)



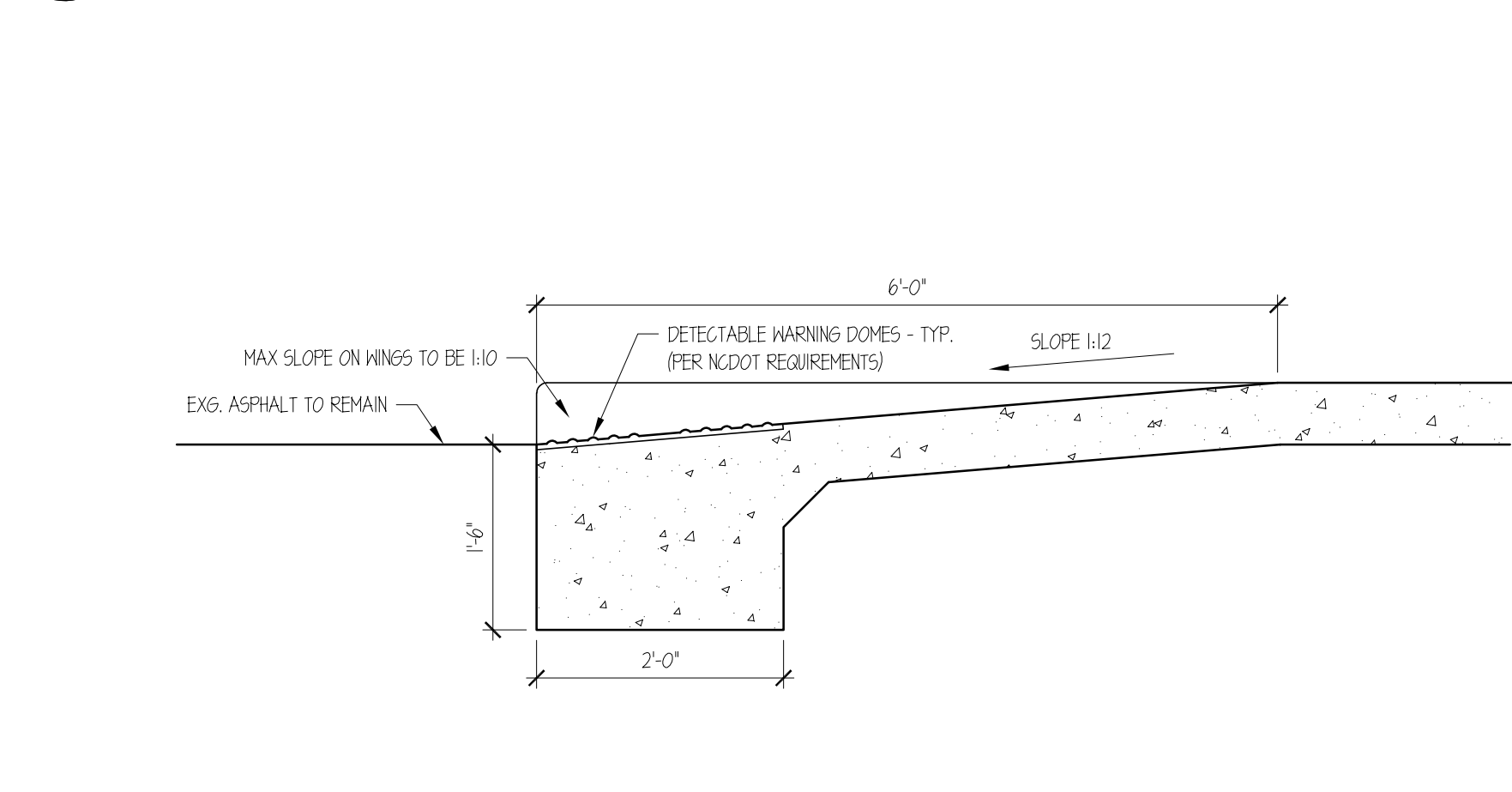
6 SECTION @ AIRLINE OFFICE RENOVATION
1/2" = 1'-0"
(@ EXISTING DOOR OPENING)



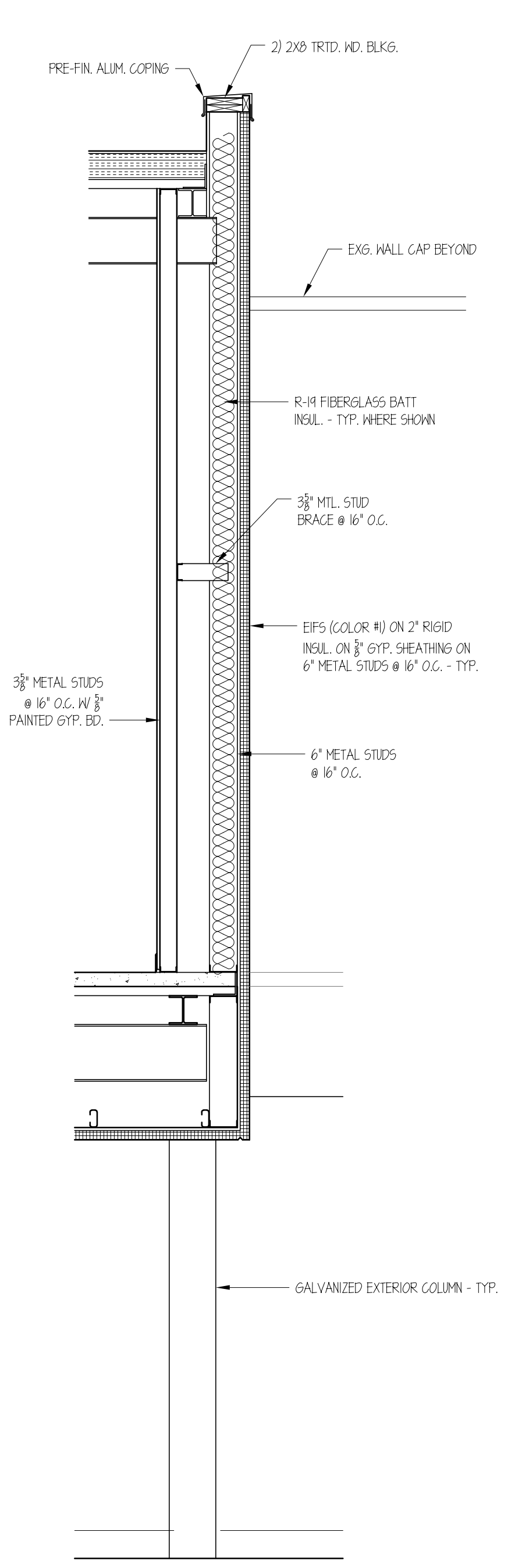
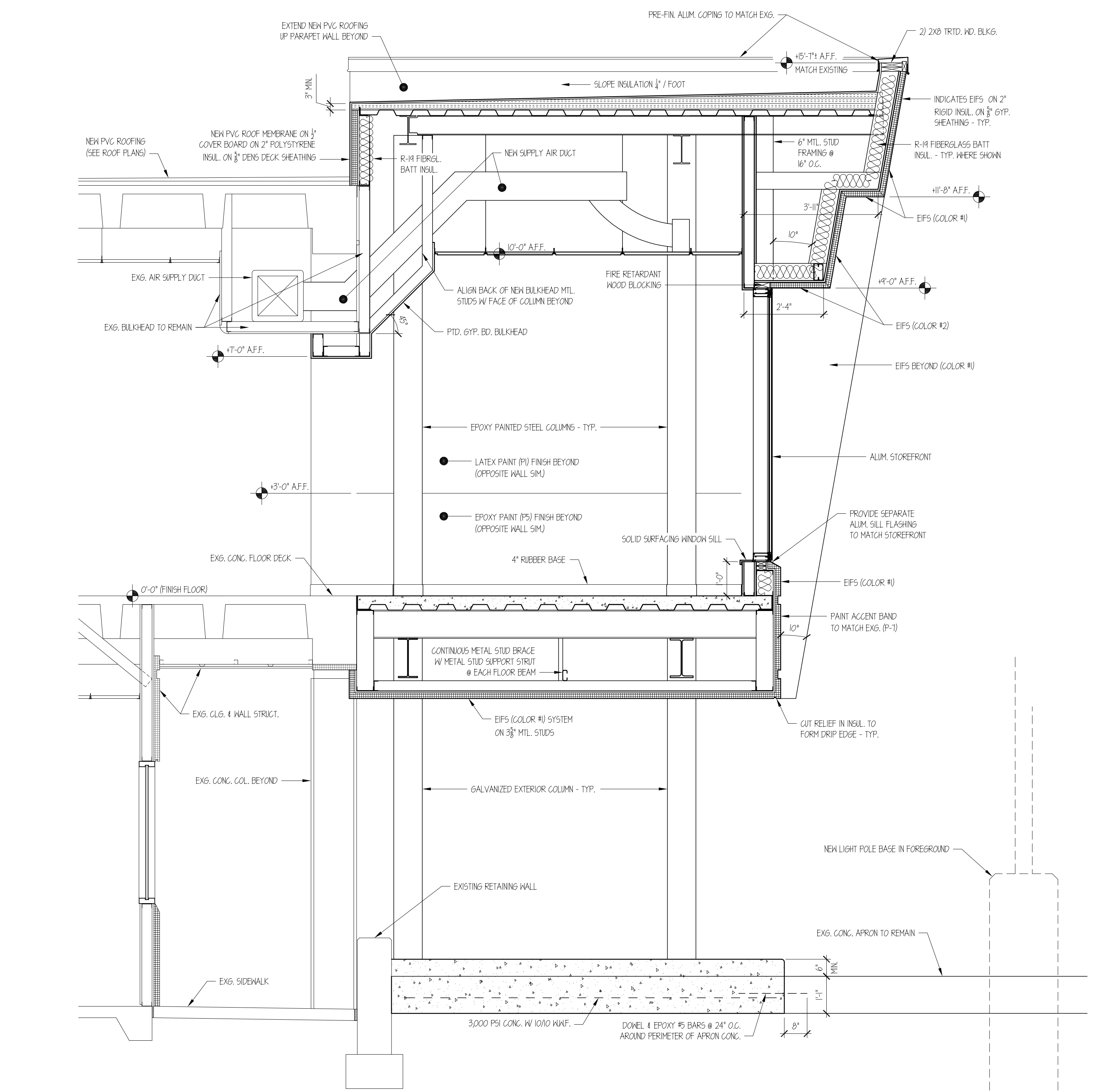
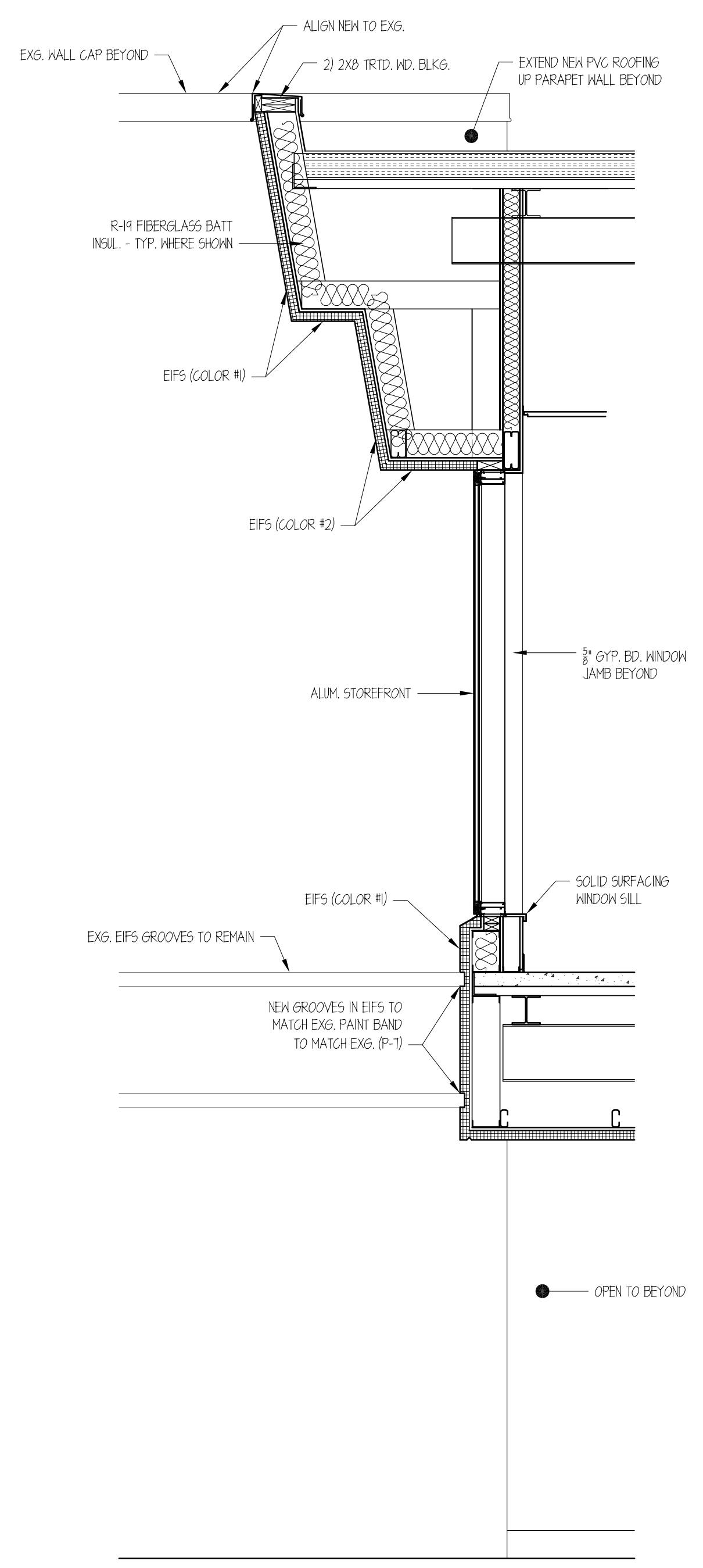
5 SECTION @ AIRLINE OFFICE RENOVATION
1/2" = 1'-0"
(@ EXISTING ROLL-UP DOOR)



3 HANDICAP RAMP DETAIL @ CONCRETE SIDEWALK
3/8" = 1'-0"



4 SECTION @ SIDEWALK HANDICAP RAMP
3/4" = 1'-0"



3 SECTION @ WEST GATE LOUNGE EXPANSION
1/2" = 1'-0"

2 SECTION @ SOUTH GATE LOUNGE EXPANSION
1/2" = 1'-0"

1 SECTION @ EAST GATE LOUNGE EXPANSION
1/2" = 1'-0"

General Notes

1. Design Load Data

Risk Category III

Importance Factors:

Show, $I_p = 1.10$
 Seismic, $I_e = 1.25$
 Ice (thickness), $I_c = 1.25$
 Ice (wind), $I_w = 1.00$

Live Loads:

Roof..... 20 psf uniform, 300 lb concentrated
 2nd floor..... 100 psf

Ground Snow Load, (P_g): 10 psf

Wind Design Data:

Ultimate Design Wind Speed, V_{ult} (3-second gust) 132 mph (ASCE 7-10/
 2018 NC State Building Code)
 Internal pressure coefficient (GCF_p) = ±0.18 [Enclosed Building]

Exposure Category C

Wind Base Shears (for MWFRS): $V_x = 28$ kips
 [At addition only] $V_y = N/A$

*Note: All exterior component and cladding materials will be designed and anchored to resist 132 m.p.h. component and cladding wind forces determined according to the NC State Building Code for the Exposure Category indicated above. Provide all bracing and connections necessary to transfer lateral loads to structure.

Earthquake Design Data:

Seismic Design Category C

Mapped MCEs Spectral Response Acceleration Parameters, $S_S = 23.0$ %g
 $S_1 = 9.9$ %g
 MCEs Spectral Response Acceleration Parameters, $S_{MS} = 36.8$ %g $S_{M1} = 23.7$ %g
 Design Spectral Response Acceleration Parameters, $S_{DS} = 24.5$ %g $S_{D1} = 15.8$ %g
 Site Classification = D

Seismic Force Resisting System:

Bearing Wall
 Building Frame
 Moment-Resisting Frame
 Dual w/Special Moment Frames
 Shear Wall-Frame Interactive System w/Ordinary Reinforced Moment Frames
 Ordinary Reinforced Concrete Shear Walls
 Cantilevered Column Systems
 Steel Systems Not Specifically Detailed for Seismic Resistance, Excluding Cantilever Column Systems

Response Modification Coefficient, $R = 3$

Seismic Response Coefficient, $C_s = 0.09$
 Seismic Base Shear $V = 11$ kips

Analysis Procedure:

Simplified
 Equivalent Lateral Force
 Modal

Lateral Design Control: Earthquake ___ Wind ___

Note: Special Inspections are required for this project in accordance with the North Carolina State Building Code Section 1705. See Statement of Special Inspections on Sheet S0.02 for required structural inspections.

2. Materials

A. Concrete

$f'_c = 4000$ psi Reg. wt. U.N.O.
 $f'_c = 4500$ psi Reg. wt. at pedestals
 (air content 6% ± 1.5%)
 $f'_c = 4000$ psi Lt. wt. (120 pc fresh density +/- 5 pc/m³)
 at elevated slabs on metal deck.
 All concrete to have max water/cement ratio of 0.45.
 ASTM A-615 Grade 60

B. Reinforcing Steel

C. Welded Wire Fabric

D. Structural Steel

E. Hollow Structural Sections (HSS)

F. Bolts

G. Weld Electrodes

H. Steel Deck

Composite Deck: 40 ksi
 Roof Deck: 33 ksi min
 ASTM A-653 galvanized
 ASTM F1554(Gr.36) w/ ASTM A-563 heavy hex nuts

I. Anchor Rods

J. Expansion Bolts

K. Epoxy Anchoring System

3. Foundations

A. Allowable soil bearing 2000 psf. Site will be proctored, densified and/or undercut, tested, and repaired according to subsurface exploration report by Geotechnologies, Inc. dated October 30, 2015 [Geotechnologies Inc. Project #11-0630-EA].

B. Compact bottom of all footing excavations with a vibratory hand operated compactor before placing reinforcing in footing excavations.

C. The general contractor will coordinate and lower wall and column footings where required to be below any new or existing utility lines. Notify Arch./Engineer of any footing adjustment required before beginning work. In no condition will utilities be allowed under column footings.

D. Sides of concrete pedestals are to be formed.

E. No heavy equipment will be used within 3 feet of existing building elevator pit walls.

F. All concrete work will comply with ACI 301 "Specifications for Structural Concrete" and ACI 318-14 "Building Code Requirements for Structural Concrete" unless otherwise noted on the drawings and specifications.

4. Superstructure

A. Structural steel fabricator is to be (BU) AISC Certified. Structural steel erector is to be (CSE) AISC Certified. Submit certifications.

B. All welders, shop and field, will be certified for the type of work involved. Submit certifications.

C. The structural steel fabricator will prepare shop drawings under the supervision of a connection design engineer registered in North Carolina. Submit calculations for connection design along with shop drawings.

D. All shop drawings will be checked by the fabricator before being submitted to the Architect/Engineer for review. When submitting electronic shop drawings, one (1) hard copy must be provided to the structural engineer before review can begin.

E. At construction completion, the steel fabricator will submit a letter sealed by the connection design engineer registered in North Carolina stating that all connections have been designed and detailed for the shear values, tensile loads and capacities shown on the structural drawings. Any required field modification sketches are to be included with letter.

F. Structural steel connections will be designed by the fabricator's NC registered engineer unless specifically detailed on the structural drawings. All connections are to be designed as simple connections except where indicated otherwise on plans or in sections. Design connections per AISC Manual of Steel Construction (ASD) for shears indicated in the Framed Beam Connection Table(s) unless higher shears are indicated on framing plans or details. In addition, design connections for any tension indicated on framing plans, sections or schedules. Connect girders to HSS columns with thru-plates as determined by connection design engineer. Do not use slotted holes for axially loaded beams or bracing connections without written approval from the Structural Engineer before preparing shop drawings.

G. Connections: Shop - Bolted or Welded
 Field - Bolted U.N.O.

H. Bolts will be 3/4" diameter, Gr-A-325N, unless otherwise noted. Larger diameter bolts may be required by fabricator's connection design engineer at some locations such as vertical bracing connections or girder connections to HSS columns. Fabricator's connection design engineer and detailer are to clearly indicate on shop drawings all locations where larger diameter bolts are required. All bolts will be tightened by a few impacts of an impact wrench or the full effort of a man using an ordinary spud wrench with a minimum of 200 foot pounds of torque and a maximum of 250 foot pounds of torque for a snug tight condition.

I. U.N.O. bolt threads can be either cut or rolled. If threads are rolled, do not reduce bolt diameter. Make adjustments on shop drawings for increased shank diameter at thread location.

J. All structural bolts will have heavy hex nuts.

K. Unless shown otherwise all field welds will be 3/16 inch fillet welds.

L. All splices at perimeter roof edge angles or plates will be butt welded all around to provide roof diaphragm.

M. Provide screed angles around all floor openings.

N. General Contractor to verify all existing dimensions, elevations, and conditions before fabricating steel. Notify Architect and Engineer of any significant discrepancies.

O. All detailing, fabricating, and erection shall conform to the following specifications (latest editions), except as otherwise indicated:

AISC 360-10 - "Specification for Structural Steel Buildings."

AISC 303-10 - "Code for Standard Practice for Steel Buildings and Bridges."

Paragraph 4.4.1 of the above code is hereby modified by deletion of the following sentences:

a) "Confirmation that the Fabricator has correctly interpreted the Contract Documents in the preparation of those submittals";

b) "Confirmation that the Owner's Designated Representative for Design has reviewed and approved the Connection details shown on the Shop and Erection Drawings and submitted in accordance with Section 3.1.2, if applicable";

SJI - "Code of Standard Practice for Steel Joists and Joist Girders," Steel Joist Institute

SDI - "Code of Standard Practice," Steel Deck Institute.

P. Shop Painting - One coat of fabricator's standard typical U.N.O. Omit paint on all structural steel that is to be sprayed with fireproofing or encased in concrete; omit paint on surfaces where shear studs will be field-applied. Hot-dip galvanize steel according to ASTM A-123 where galvanizing is required. Touch up welds and damaged areas with a field applied galvanizing according to ASTM A780.

Q. General Contractor shall have sole responsibility for site safety. Fabricator and Erector shall review Contract Documents and if the structure, as shown on those documents, is in conflict with the requirements of any erection safety regulations, Fabricator shall notify Structural Engineer prior to commencing erection shop drawing production. If Fabricator and/or Erector fail to notify Structural Engineer, as stated above, they shall become responsible for all costs for correcting such conflicts with the requirements of any and all safety regulations.

R. General Contractor will be responsible for properly guying and bracing the structure to resist live, dead, wind, and construction loads during construction. An unstable condition exists until all the building components are in place. Columns and walls are not designed as free-standing and must be adequately braced.

S. The General Contractor will coordinate and verify size, location, type, and direction of all pads, depressions, bolts, sleeves, anchors, openings, etc. to be set or cast in concrete or masonry prior to placement. All penetrations of walls and floors shall be approved by the architect and structural engineer if not indicated on the structural drawings. All penetrations shall be sleeved with structural steel sleeves. Sleeves shall be supplied by the trade requiring the penetration.

T. General Contractor is responsible for coordinating locations of braces, bridging, and miscellaneous framing to avoid conflict with ducts, plumbing, or any other utility.

5. Steel Deck

A. All deck welders are to be certified for the type of work involved. Submit certifications.

B. All deck will meet the requirements of the Steel Deck Institute and will be continuous over three or more spans unless noted otherwise.

C. Roof deck will be 1.5", 20 gauge, G60 galvanized wide rib (Type B) steel deck New Millennium or equal) and will be welded to supporting beams and angles with 5/8" diameter puddle welds (U.N.O.) - intermediate supports: 6" o/c (36/7 Pattern) - individual deck ends (deck ends at building perimeter and deck end laps): 6" o/c - deck sides at building perimeter and ridges: 12" o/c. Provide continuous 20 gauge filler steel if deck is cut.

D. Provide four (4) #10 tek side lap screws for 1.5" roof deck.

E. Composite steel floor deck will be 2", 20 gauge, with G60 Galv. (Type 2, OCD by New Millennium or equal) with 5/8" diameter puddle welds 12" o/c at ea. supporting member. Side laps and deck sides at perimeter will be fastened at midspan or 3'-0" o/c maximum between supports, whichever distance is smaller. No button punching allowed.

F. Provide deck support angles around columns, at dropped beams, and any other required locations.

G. Provide an angle frame to support roof deck around all roof deck penetrations greater than 6" wide, including sump pans at roof drains. See typical detail.

H. Provide 4" minimum end lap for roof decks. Butt ends of 2" composite floor deck over supports.

6. Utilities and Architectural Components

A. The General Contractor will coordinate and lower new wall and column footings where required to be below any new or existing utility lines. Notify Arch./Engineer of any footing adjustment required before beginning work. In no condition will utilities be allowed under new or existing column footings.

B. Do not undermine new or existing footings when placing utilities. Provide soil shoring as needed to prevent undermining new or existing footings.

C. No electrical conduit runs will be located in the elevated floor slab unless approved in writing by Architect and Structural Engineer.

D. The General Contractor will coordinate and verify size, location, type, and direction of all pads, depressions, bolts, sleeves, anchors, openings, etc. to be set or cast in concrete or masonry prior to placement. All penetrations of walls and floors shall be approved by the architect and structural engineer if not indicated on the structural drawings. All penetrations shall be sleeved with structural steel sleeves. Sleeves shall be supplied by the trade requiring the penetration.

E. Do not core through or otherwise damage existing building concrete beams, concrete joists, concrete columns or footings when placing new utilities. Do not core or cut through tapered edges of concrete joists.

F. Do not core through or otherwise damage structural framing or footings when placing new utilities.

G. Do not suspend bulkheads, utilities, etc. from the underside of concrete beams and concrete joists. Attachment should be made to the side of the concrete structural member (coordinate anchorage location with concrete reinforcing locations - Do Not Damage Reinforcing).

H. Do not support suspended ceilings, light fixtures, ducts, metal studs, or other items from steel floor or roof deck. A 50 lb. max load per 4 ft x 4 ft square area is acceptable hanging from the composite floor slab. Anchors attached to the composite metal floor deck are not acceptable. The hangers supporting the load from the floor slab should extend well into the concrete and should be installed before the concrete is poured to ensure that the load is supported by the concrete and not by the metal deck. Slots cut into the floor deck for the placement of hangers should be as small as possible and should be cut parallel to the flutes. Slots in the deck shall not be cut perpendicular to the flutes.

I. All exterior cladding and building components will be designed and anchored to resist 132 m.p.h. wind forces determined according to the NC State Building Code for the Exposure Category indicated in these General Notes. Provide all bracing and connections necessary to transfer lateral loads to structure.

7. Miscellaneous

A. The structural drawings take precedence when a conflict occurs between the structural drawings, the architectural drawings, the PM&E drawings, and the specifications concerning a structural item. Notify Architect and Engineer in writing for clarification prior to bidding. The term "unless noted otherwise (U.N.O.)" means unless noted otherwise on the structural drawings. If there is a conflict on the structural drawings or specifications the most stringent requirement will control.

B. General Contractor to verify all existing building dimensions, elevations, and details with the field conditions. Notify the architect and engineer of any significant discrepancies.

C. General Contractor is responsible to coordinate locations of braces, bridging, and miscellaneous framing to avoid conflict with ducts, plumbing, or any other utility.

D. General Contractor to notify our office during major phases of construction so observations can be made by our office as required.

E. The General Contractor will be responsible for properly guying and bracing the structure to resist live, dead, wind, and construction loads during construction. An unstable condition exists until all the building components are in place. Columns and walls are not designed as free-standing and must be adequately braced.

F. All shop drawings will be checked by fabricator before being submitted to the Architect/Engineer for review. When submitting electronic shop drawings, one (1) hard copy must be provided to the structural engineer before review can begin.

G. See architectural drawings for all required floor depressions, floor toppings, and floor slopes not shown.

H. Maintain floor slab thickness shown on the drawings for elevated floor slabs on metal deck. Do not exceed specified floor slab thickness.

I. No loads will be placed on elevated floor slabs until concrete reaches 75% design strength.

J. All concrete work shall conform to ACI 301 and ACI 318-14, unless otherwise noted on the drawings and specifications.

K. Use type "B" laps for all reinforcing lap splices U.N.O.

8. Delegated Design

A. Structural steel connections will be designed by the fabricator's NC registered engineer unless specifically detailed on the structural drawings. This includes framed beam connections and any vertical bracing connections. Submit sealed calculations.

B. See architectural drawings for exterior metal stud walls. Metal stud walls and their attachment to structure are to be designed by an Engineer registered in NC for 132 m.p.h. component and cladding wind forces. Metal stud design is to include headers, sills, parapets, jamb studs at openings and connections of all components to transfer loading to structure. Limit horizontal deflection of studs to L/360.

C. Confirmation that the Fabricator has correctly interpreted the Contract Documents in the preparation of those submittals";

D. Confirmation that the Owner's Designated Representative for Design has reviewed and approved the Connection details shown on the Shop and Erection Drawings and submitted in accordance with Section 3.1.2, if applicable";

SJI - "Code of Standard Practice for Steel Joists and Joist Girders," Steel Joist Institute

SDI - "Code of Standard Practice," Steel Deck Institute.

P. Shop Painting - One coat of fabricator's standard typical U.N.O. Omit paint on all structural steel that is to be sprayed with fireproofing or encased in concrete; omit paint on surfaces where shear studs will be field-applied. Hot-dip galvanize steel according to ASTM A-123 where galvanizing is required. Touch up welds and damaged areas with a field applied galvanizing according to ASTM A780.

Q. General Contractor shall have sole responsibility for site safety. Fabricator and Erector shall review Contract Documents and if the structure, as shown on those documents, is in conflict with the requirements of any erection safety regulations, Fabricator shall notify Structural Engineer prior to commencing erection shop drawing production. If Fabricator and/or Erector fail to notify Structural Engineer, as stated above, they shall become responsible for all costs for correcting such conflicts with the requirements of any and all safety regulations.

R. General Contractor will be responsible for properly guying and bracing the structure to resist live, dead, wind, and construction loads during construction. An unstable condition exists until all the building components are in place. Columns and walls are not designed as free-standing and must be adequately braced.

S. The General Contractor will coordinate and verify size, location, type, and direction of all pads, depressions, bolts, sleeves, anchors, openings, etc. to be set or cast in concrete or masonry prior to placement. All penetrations of walls and floors shall be approved by the architect and structural engineer if not indicated on the structural drawings. All penetrations shall be sleeved with structural steel sleeves. Sleeves shall be supplied by the trade requiring the penetration.

T. General Contractor is responsible for coordinating locations of braces, bridging, and miscellaneous framing to avoid conflict with ducts, plumbing, or any other utility.

5. Steel Deck

A. All deck welders are to be certified for the type of work involved. Submit certifications.

B. All deck will meet the requirements of the Steel Deck Institute and will be continuous over three or more spans unless noted otherwise.

C. Roof deck will be 1.5", 20 gauge, G60 galvanized wide rib (Type B) steel deck New Millennium or equal) and will be welded to supporting beams and angles with 5/8" diameter puddle welds (U.N.O.) - intermediate supports: 6" o/c (36/7 Pattern) - individual deck ends (deck ends at building perimeter and deck end laps): 6" o/c - deck sides at building perimeter and ridges: 12" o/c. Provide continuous 20 gauge filler steel if deck is cut.

D. Provide four (4) #10 tek side lap screws for 1.5" roof deck.

E. Composite steel floor deck will be 2", 20 gauge, with G60 Galv. (Type 2, OCD by New Millennium or equal) with 5/8" diameter puddle welds 12" o/c at ea. supporting member. Side laps and deck sides at perimeter will be fastened at midspan or 3'-0" o/c maximum between supports, whichever distance is smaller. No button punching allowed.

F. Provide deck support angles around columns, at dropped beams, and any other required locations.

G. Provide an angle frame to support roof deck around all roof deck penetrations greater than 6" wide, including sump pans at roof drains. See typical detail.

H. Provide 4" minimum end lap for roof decks. Butt ends of 2" composite floor deck over supports.

6. Utilities and Architectural Components

A. The General Contractor will coordinate and lower new wall and column footings where required to be below any new or existing utility lines. Notify Arch./Engineer of any footing adjustment required before beginning work. In no condition will utilities be allowed under new or existing column footings.

B. Do not undermine new or existing footings when placing utilities. Provide soil shoring as needed to prevent undermining new or existing footings.

C. No electrical conduit runs will be located in the elevated floor slab unless approved in writing by Architect and Structural Engineer.

D. The General Contractor will coordinate and verify size, location, type, and direction of all pads, depressions, bolts, sleeves, anchors, openings, etc. to be set or cast in concrete or masonry prior to placement. All penetrations of walls and floors shall be approved by the architect and structural engineer if not indicated on the structural drawings. All penetrations shall be sleeved with structural steel sleeves. Sleeves shall be supplied by the trade requiring the penetration.

E. Do not core through or otherwise damage existing building concrete beams, concrete joists, concrete columns or footings when placing new utilities. Do not core or cut through tapered edges of concrete joists.

F. Do not core through or otherwise damage structural framing or footings when placing new utilities.

G. Do not suspend bulkheads, utilities, etc. from the underside of concrete beams and concrete joists. Attachment should be made to the side of the concrete structural member (coordinate anchorage location with concrete reinforcing locations - Do Not Damage Reinforcing).

H. Do not support suspended ceilings, light fixtures, ducts, metal studs, or other items from steel floor or roof deck. A 50 lb. max load per 4 ft x 4 ft square area is acceptable hanging from the composite floor slab. Anchors attached to the composite metal floor deck are not acceptable. The hangers supporting the load from the floor slab should extend well into the concrete and should be installed before the concrete is poured to ensure that the load is supported by the concrete and not by the metal deck. Slots cut into the floor deck for the placement of hangers should be as small as possible and should be cut parallel to the flutes. Slots in the deck shall not be cut perpendicular to the flutes.

I. All exterior cladding and building components will be designed and anchored to resist 132 m.p.h. wind forces determined according to the NC State Building Code for the Exposure Category indicated in these General Notes. Provide all bracing and connections necessary to transfer lateral loads to structure.

7. Miscellaneous

A. The structural drawings take precedence when a conflict occurs between the structural drawings, the architectural drawings, the PM&E drawings, and the specifications concerning a structural item. Notify Architect and Engineer in writing for clarification prior to bidding. The term "unless noted otherwise (U.N.O.)" means unless noted otherwise on the structural drawings. If there is a conflict on the structural drawings or specifications the most stringent requirement will control.

B. General Contractor to verify all existing building dimensions, elevations, and details with the field conditions. Notify the architect and engineer of any significant discrepancies.

C. General Contractor is responsible to coordinate locations of braces, bridging, and miscellaneous framing to avoid conflict with ducts, plumbing, or any other utility.

D. General Contractor to notify our office during major phases of construction so observations can be made by our office as required.

E. The General Contractor will be responsible for properly guying and bracing the structure to resist live, dead, wind, and construction loads during construction. An unstable condition exists until all the building components are in place. Columns and walls are not designed as free-standing and must be adequately braced.

F. All shop drawings will be checked by fabricator before being submitted to the Architect/Engineer for review. When submitting electronic shop drawings, one (1) hard copy must be provided to the structural engineer before review can begin.

G. See architectural drawings for all required floor depressions, floor toppings, and floor slopes not shown.

H. Maintain floor slab thickness shown on the drawings for elevated floor slabs on metal deck. Do not exceed specified floor slab thickness.

I. No loads will be placed on elevated floor slabs until concrete reaches 75% design strength.

J. All concrete work shall conform to ACI 301 and ACI 318-14, unless otherwise noted on the drawings and specifications.

K. Use type "B" laps for all reinforcing lap splices U.N.O.

8. Delegated Design

A. Structural steel connections will be designed by the fabricator's NC registered engineer unless specifically detailed on the structural drawings. This includes framed beam connections and any vertical bracing connections. Submit sealed calculations.

B. See architectural drawings for exterior metal stud walls. Metal stud walls and their attachment to structure are to be designed by an Engineer registered in NC for 132 m.p.h. component and cladding wind forces. Metal stud design is to include headers, sills, parapets, jamb studs at openings and connections of all components to transfer loading to structure. Limit horizontal deflection of studs to L/360.

C. Confirmation that the Fabricator has correctly interpreted the Contract Documents in the preparation of those submittals";

D. Confirmation that the Owner's Designated Representative for Design has reviewed and approved the Connection details shown on the Shop and Erection Drawings and submitted in accordance with Section 3.1.2, if applicable";

SJI - "Code of Standard Practice for Steel Joists and Joist Girders," Steel Joist Institute

SDI - "Code of Standard Practice," Steel Deck Institute.

P. Shop Painting - One coat of fabricator's standard typical U.N.O. Omit paint on all structural steel that is to be sprayed with fireproofing or encased in concrete; omit paint on surfaces where shear studs will be field-applied. Hot-dip galvanize steel according to ASTM A-123 where galvanizing is required. Touch up welds and damaged areas with a field applied galvanizing according to ASTM A780.

Q. General Contractor shall have sole responsibility for site safety. Fabricator and Erector shall review Contract Documents and if the structure, as shown on those documents, is in conflict with the requirements of any erection safety regulations, Fabricator shall notify Structural Engineer prior to commencing erection shop drawing production. If Fabricator and/or Erector fail to notify Structural Engineer, as stated above, they shall become responsible for all costs for correcting such conflicts with the requirements of any and all safety regulations.

R. General Contractor will be responsible for properly guying and bracing the structure to resist live, dead, wind, and construction loads during construction. An unstable condition exists until all the building components are in place. Columns and walls are not designed as free-standing and must be adequately braced.

S. The General Contractor will coordinate and verify size, location, type, and direction of all pads, depressions, bolts, sleeves, anchors, openings, etc. to be set or cast in concrete or masonry prior to placement. All penetrations of walls and floors shall be approved by the architect and structural engineer if not indicated on the structural drawings. All penetrations shall be sleeved with structural steel sleeves. Sleeves shall be supplied by the trade requiring the penetration.

T. General Contractor is responsible for coordinating locations of braces, bridging, and miscellaneous framing to avoid conflict with ducts, plumbing, or any other utility.

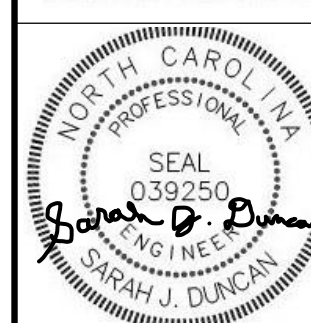
5. Steel Deck

A. All deck welders are to be certified for the type of work involved. Submit certifications.

B. All deck will meet the requirements of the Steel Deck Institute and will be continuous over three or more spans unless noted otherwise.

C. Roof deck will be 1.5", 20 gauge, G60 galvanized wide rib (Type B) steel deck New Millennium or equal) and will be welded to supporting

SCHEDULE OF STRUCTURAL SPECIAL INSPECTION SERVICES



07/31/23

Building Risk Category III

The following are the structural special inspection categories for this project. See the tables on this sheet for the special inspections recommended to be performed under each category. The special inspector should be familiar with the requirements of the NC Building Code Chapter 17 and the items in each category that require special inspections. See specifications for required testing not included on this sheet:

- Soils
- Concrete Construction
- Structural Steel Construction
- Cold-Formed Steel Deck
- Open-Web Steel Joists and Joist Girders
- Cold-Formed Steel Trusses Spanning 60 ft or Greater
- Masonry Construction
- Wood Construction
- Retaining Walls Exceeding 5 ft of Unbalanced Backfill Height
- Driven Deep Foundations
- Cast-in-Place Deep Foundations
- Helical Pile Foundations
- Special Inspections for Wind Resistance
- Special Inspections for Seismic Resistance
- Structural Observations for Seismic Resistance by Registered Design Professional
- Structural Observations for Wind Requirements by Registered Design Professional

The Owner or the Owner's Agent is to hire a special inspection and testing agent to oversee, record and document all indicated special inspections according to the requirements of the NC Building Code Chapter 17. The inspection and testing agents shall be engaged by the Owner or the Owner's Agent and not by the Contractor or the Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. The inspection and testing agents are to be certified for the type of work involved. Tests and inspections indicated will be based upon the requirements of the applicable building codes and the contract documents (full procedures for required testing and inspections are not included in these tables).

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	
	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	--	X
2. Verify excavations are extended to proper depth and have reached proper material.	--	X
3. Perform classification and testing of controlled fill materials.	--	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill.	X	--
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.	--	X

Note: The approved geotechnical report and the construction documents shall be used to determine compliance (the most stringent controlling). During fill placement, the special inspector shall verify that the proper materials and procedures are used in accordance with the provisions of the approved geotechnical report and construction documents.

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION			
Inspections shall verify general compliance with the design documents and approved submittals as well as referenced code sections.			
VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCED STANDARD
	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED	
1. Inspection of reinforcing steel and placement for general compliance with the design documents and approved submittals.	--	X	ACI 318: Ch.20, 25.2, 25.3, 26.6.1-26.6.3
2. Inspect anchors cast in concrete for general compliance with the design documents (including grade, diameter, gage, and embedment depth).	--	X	ACI 318: 17.8.2
3. Inspect anchors/rebar post-installed in hardened concrete members. Verify installation procedure is in strict compliance with the manufacturer's instructions. Obtain installer's certification for installation of adhesive anchors/rebar before work begins. <ul style="list-style-type: none"> a. Adhesive anchors/rebar installed in horizontally or upwardly inclined orientations to resist sustained tension loads. b. Mechanical anchors and adhesive anchors/rebar not define in 3.a. 	X	--	ACI 318: 17.8.2.4
4. Verify use of required design mix.	--	X	ACI 318: Ch.19, 26.4.3, 26.4.4
5. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. Verify compliance.	X	--	ASTM C 172 ASTM C 31 ACI 318: 26.4, 26.12
6. Inspection of concrete placement for proper application techniques.	X	--	ACI 318: 26.5
7. Verify maintenance of specified curing temperature and techniques.	--	X	ACI 318: 26.5.3-26.5.5
8. Verification of in-situ concrete strength prior to removal of shores and forms from beams and structural slabs.	--	X	ACI 318: 26.11.2
9. Inspect formwork for shape, general location and dimensions of the concrete member being formed.	--	X	ACI 318: 26.11.1.2(b)
10. Inspect footing excavations for shape, general location and dimensions of the concrete member being formed.	--	X	
11. Inspect erection of precast concrete members.	--	X	ACI 318: Ch. 26.8

REQUIRED SPECIAL INSPECTIONS OF STRUCTURAL STEEL CONSTRUCTION		
Inspections shall verify general compliance with the construction documents, approved submittals, and AISC 360.		
VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION	
	CONTINUOUS DURING TASK LISTED	PERIODIC DURING TASK LISTED
1. Obtain fabricator's AISC certification and submit a copy to the Building Official.	--	X
2. Material verification of structural steel components (including fasteners).	--	X
3. Verify compliance with the details shown on the construction documents, such as braces, stiffeners, and member locations. Exception: Special Inspection of railing systems composed of structural steel elements is limited to welding inspection of the welds at the base of cantilevered rail posts.	--	X
4. Verify proper application of joint details at each connection.	X Inspect all	--
5. Structural steel welding: <ul style="list-style-type: none"> a. Inspection Tasks Prior to Welding (QA tasks listed in AISC 360 Table N5.4-1). b. Inspection Tasks During Welding (QA tasks listed in AISC 360 Table N5.4-2). c. Inspection Tasks After Welding (QA tasks listed in AISC 360 Table N5.4-3). d. Nondestructive testing (NDT) of welded joints: <ul style="list-style-type: none"> 1) Complete penetration groove welds 5/16" or greater in Risk Category III or IV. 2) Complete penetration groove welds 5/16" or greater in Risk Category II. 3) Fabricator's NDT reports when fabricator performs NDT. 	As indicated in the referenced tables of AISC 360	UT on 100%, may reduce to 25% per AISC 360, N5e. UT on 10% may increase to 100% per AISC 360, N5f.
6. Structural steel bolting: <ul style="list-style-type: none"> a. Inspection Tasks Prior to Bolting (QA tasks listed in AISC 360, Table N5.6-1). b. Inspection Tasks During Bolting (QA tasks listed in AISC 360, Table N5.6-2). c. Inspection Tasks After Bolting (QA tasks listed in AISC 360, Table N5.6-3). 	As indicated in the referenced tables of AISC 360	
7. Inspection of steel elements of composite construction prior to concrete placement in accordance with QA tasks listed in AISC 360, Table N6.1	As indicated in the referenced table of AISC 360	
8. At completion of fabrication, obtain a certificate of compliance from the fabricator stating that the work was performed in accordance with the approved construction documents and submit it to the Building Official.		
9. At completion of erection, obtain a certificate of compliance from the erector stating that the materials supplied and work performed by the erector are in accordance with the approved construction documents and submit it to the Building Official.		

REQUIRED SPECIAL INSPECTIONS OF COLD-FORMED STEEL DECK	
Inspections shall verify general compliance with the construction documents and approved submittals. Special Inspections and qualification of welding inspectors for cold-formed steel floor and roof deck shall be in accordance with the quality assurance inspection requirements of the "QA/QC Standard for Quality Control and Quality Assurance for Installation of Steel Deck" by the American National Standards Institute / Steel Deck Institute.	
VERIFICATION AND INSPECTION	
1. Obtain fabricator's SDI certification and submit a copy to the Building Official.	
2. Verify deck materials are represented by appropriate mill certifications.	
3. Field welding of deck in accordance with AWS D1.3, SDI C, SDI NC, and SDI RD.	
4. Installation of mechanical fasteners in accordance with SDI C, SDI NC, SDI RD, and manufacturer's instructions.	
5. Steel deck installation in accordance with the construction documents, installation drawings, shop drawings, design documents and applicable referenced standards.	
6. Scope of inspections shall comply with the quality assurance inspection requirements of Appendix 1 of the "QA/QC Standard for Quality Control and Quality Assurance for Installation of Steel Deck" by the American National Standards Institute / Steel Deck Institute.	
8. At completion of fabrication, obtain a certificate of compliance from the fabricator stating that the work was performed in accordance with the approved construction documents and submit it to the Building Official.	

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: Author
 REVIEWED BY: SF
 DATE: 04/03/22
 PROJECT NO: 23-58
 NOTES:

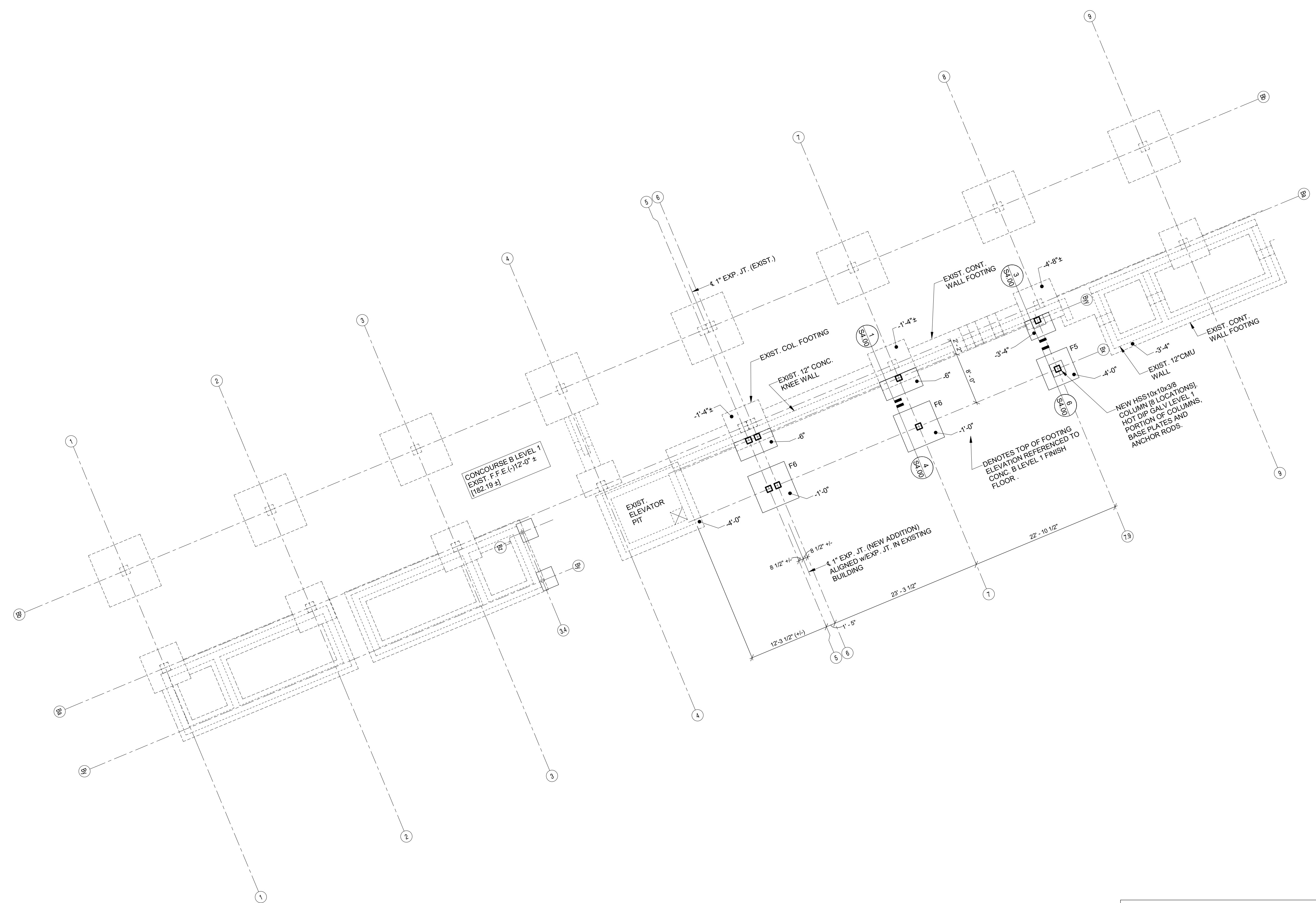
REVISIONS		

SHEET NUMBER
50.02

1. REFERENCED EL. 0'-0" = EXISTING BUILDING LEVEL 2 FINISH FLOOR [194.19]. TOP OF FINISH FLOOR AT CONCOURSE B [182.19].
2. SEE GENERAL NOTES AND TYPICAL DETAILS ON SHEET S0.01.
3. SEE ARCH. DWGS. FOR DIMENSIONS NOT SHOWN.
4. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK.
5. ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS U.N.O. ON PLAN OR IN SECTIONS.
6. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR EXTERIOR SLABS.
7. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING DIMENSIONS, ELEVATIONS, GENERAL CONDITIONS, AND BUILDING ORIENTATION BEFORE FABRICATING STEEL. EXISTING BUILDINGS MAY HAVE MINOR MISALIGNMENT BETWEEN THEM. CONTRACTOR IS RESPONSIBLE FOR MAKING MINOR ADJUSTMENTS IN ORDER TO FIT STEEL FRAME BETWEEN EXISTING BUILDINGS. NOTIFY ARCHITECT AND ENGINEER OF ANY SIGNIFICANT DISCREPANCIES. ALL ADJUSTMENTS WILL BE APPROVED BY THE ARCHITECT AND ENGINEER.
8. SEE ARCH. DWGS., SPECIFICATIONS, AND GENERAL NOTES FOR EXTERIOR METAL STUD WALL REQUIREMENTS. METAL STUD NC REGISTERED ENGINEER IS TO DESIGN METAL STUDS AND THEIR CONNECTIONS TO STRUCTURE FOR COMPONENT AND CLADDING WIND LOADS.

FOOTING SCHEDULE				
TYPE	LENGTH	WIDTH	THICKNESS	REINFORCING E.W. BOTTOM (U.N.O.)
F5	5'-0"	5'-0"	1'-6"	(7)#5
F6	6'-0"	6'-0"	1'-6"	(8)#5

FOUNDATION PLAN NOTES 2
 NOT TO SCALE \$1.00



Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 PARTIAL FOUNDATION PLAN - CONCOURSE B
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: Author
 REVIEWED BY: SF
 DATE: 10/31/22
 PROJECT NO: 23-58
 NOTES:

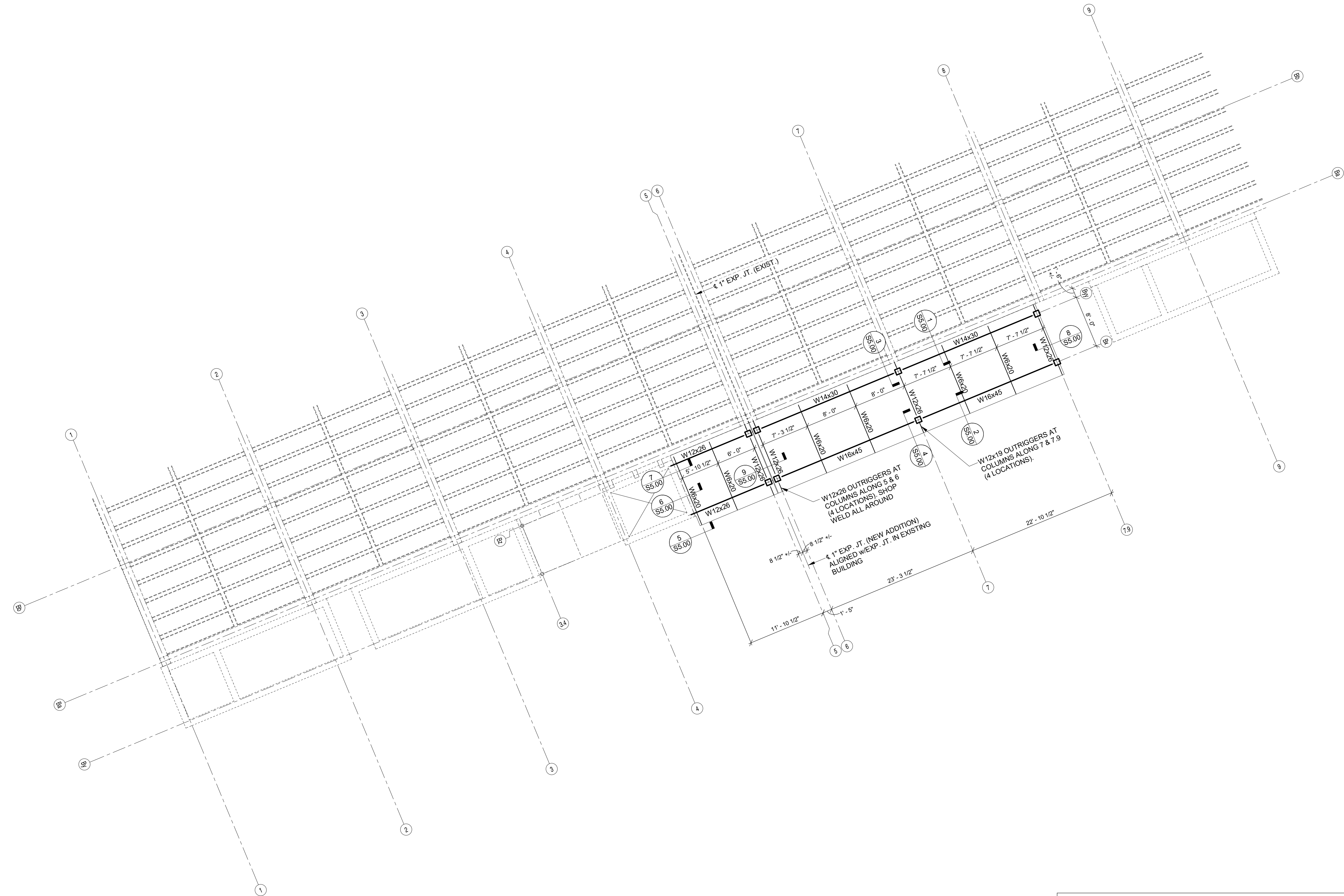
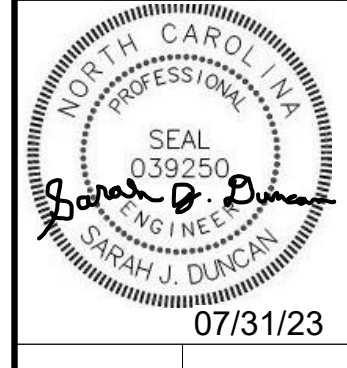
REVISIONS

PARTIAL FOUNDATION PLAN - CONCOURSE B 1
 1/8" = 1'-0" \$1.00

SHEET NUMBER
51.00

1. REFERENCED EL.0'-0" = EXISTING BUILDING LEVEL 2 FINISH FLOOR (194.19).
2. GENERAL CONTRACTOR IS TO FIELD VERIFY EXISTING LEVEL 2 ELEVATION BEFORE FABRICATING STEEL AND PROVIDE A SMOOTH TRANSITION ACROSS THE INTERFACE. NOTIFY ARCHITECT AND ENGINEER OF ANY SIGNIFICANT DISCREPANCIES. TOP OF CONCRETE ELEVATION TO BE ADJUSTED AS NEEDED FOR FLOOR TOPPINGS TO ALIGN.
3. SEE GENERAL NOTES & TYPICAL DETAILS ON SHEET S0.01.
4. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK.
5. CONCRETE ON ELEVATED SLAB IS TO BE 4000 psi LIGHTWEIGHT. SEE GENERAL NOTES.
6. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING DIMENSIONS, ELEVATIONS, GENERAL CONDITIONS, AND BUILDING ORIENTATION BEFORE FABRICATING STEEL. EXISTING BUILDINGS MAY HAVE MINOR MISALIGNMENT BETWEEN THEM. CONTRACTOR IS RESPONSIBLE FOR MAKING MINOR ADJUSTMENTS IN ORDER TO FIT STEEL FRAME BETWEEN EXISTING BUILDINGS. NOTIFY ARCHITECT AND ENGINEER OF ANY SIGNIFICANT DISCREPANCIES. ALL ADJUSTMENTS WILL BE APPROVED BY THE ARCHITECT AND ENGINEER.
7. SEE ARCH. DWGS., SPECIFICATIONS, AND GENERAL NOTES FOR EXTERIOR METAL STUD WALL REQUIREMENTS. METAL STUD NC REGISTERED ENGINEER IS TO DESIGN METAL STUDS AND THEIR CONNECTIONS TO STRUCTURE FOR COMPONENT AND CLADDING WIND LOADS.

FLOOR FRAMING PLAN NOTES 2
 NOT TO SCALE S2.00



Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 400 Airport Road
 Fayetteville, North Carolina 28306

PARTIAL LEVEL 2 FLOOR FRAMING PLAN -
 CONCOURSE B

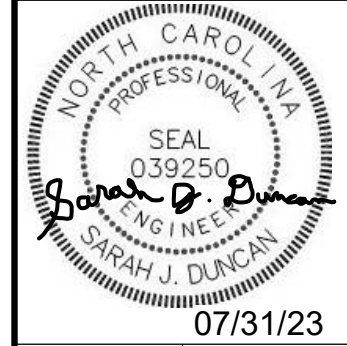
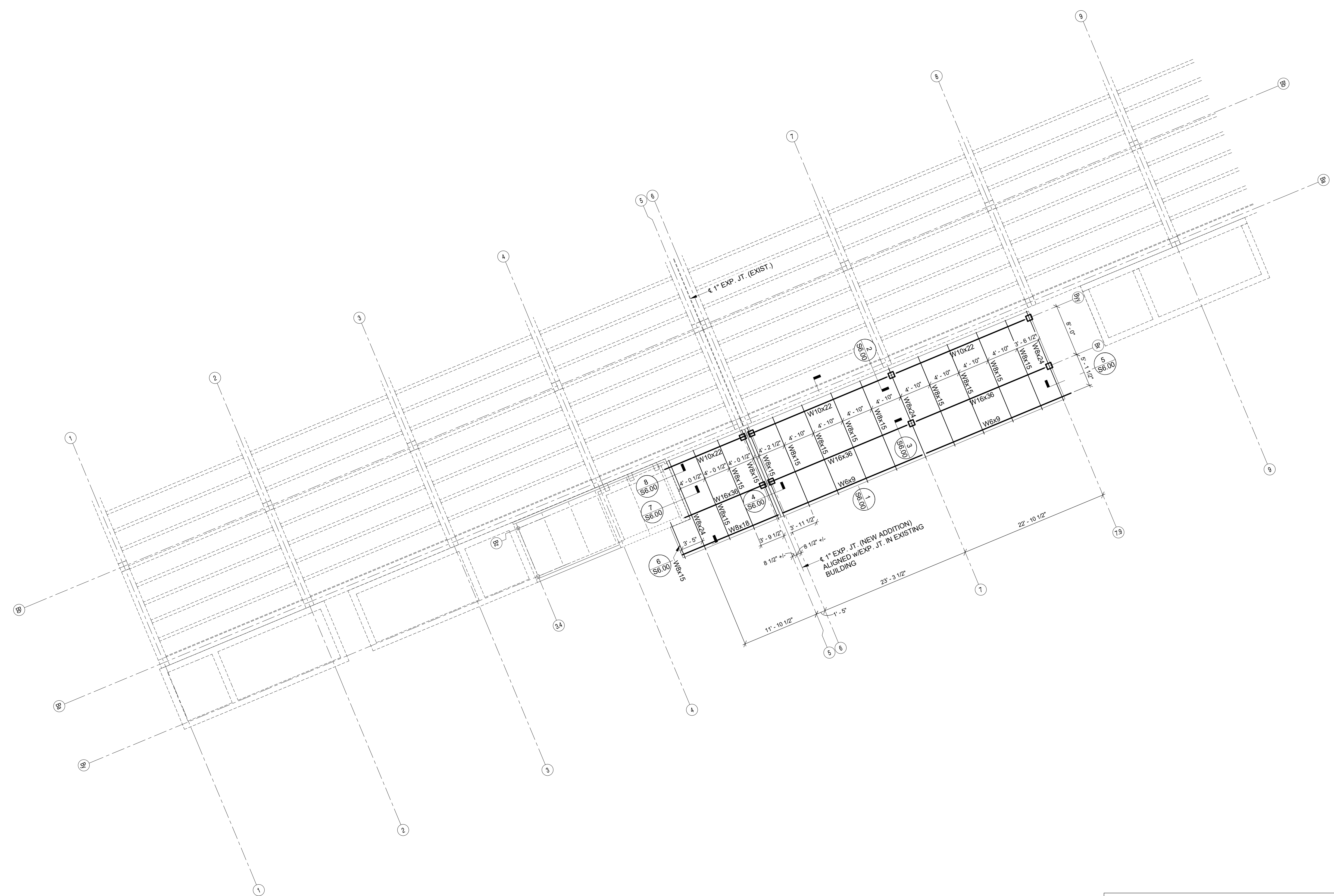
DRAWN BY: Author
 REVIEWED BY: SF
 DATE: 05/17/22
 PROJECT NO: 23-58
 NOTES:

REVISIONS	

PARTIAL LEVEL 2 FLOOR FRAMING PLAN - CONCOURSE B 1
 1/8" = 1'-0" S2.00

1. REFERENCED EL. 0'-0" = EXISTING BUILDING LEVEL 2 FINISH FLOOR (194.19).
2. SEE GENERAL NOTES & TYPICAL DETAILS ON SHEET S0.01.
3. BEAMS DENOTED (H) & (L) MEAN HIGH AND LOW ELEVATION, RESPECTIVELY.
4. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND/OR DETERMINING EXISTING DIMENSIONS, ELEVATIONS, GENERAL CONDITIONS AND BUILDING ORIENTATION BEFORE FABRICATING STEEL. EXISTING BUILDINGS MAY HAVE MINOR MISALIGNMENT BETWEEN THEM. CONTRACTOR IS RESPONSIBLE FOR MAKING MINOR ADJUSTMENTS IN ORDER TO FIT STEEL FRAME BETWEEN AND ALONG EXISTING BUILDINGS. NOTIFY ARCHITECT AND ENGINEER OF ANY SIGNIFICANT DISCREPANCIES. ALL ADJUSTMENTS WILL BE APPROVED BY THE ARCHITECT AND ENGINEER.
5. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
6. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION WORK.
7. SEE ARCH. DWGS., SPECIFICATIONS, AND GENERAL NOTES FOR EXTERIOR METAL STUD WALL REQUIREMENTS. METAL STUD NC REGISTERED ENGINEER IS TO DESIGN METAL STUDS AND THEIR CONNECTIONS TO STRUCTURE FOR COMPONENT AND CLADDING WIND LOADS.
8. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ROOF OPENINGS. PROVIDE ROOF OPENING FRAMES PER TYPICAL DETAIL ON SHEET S0.01.

ROOF FRAMING PLAN NOTES 2
 NOT TO SCALE S3.00



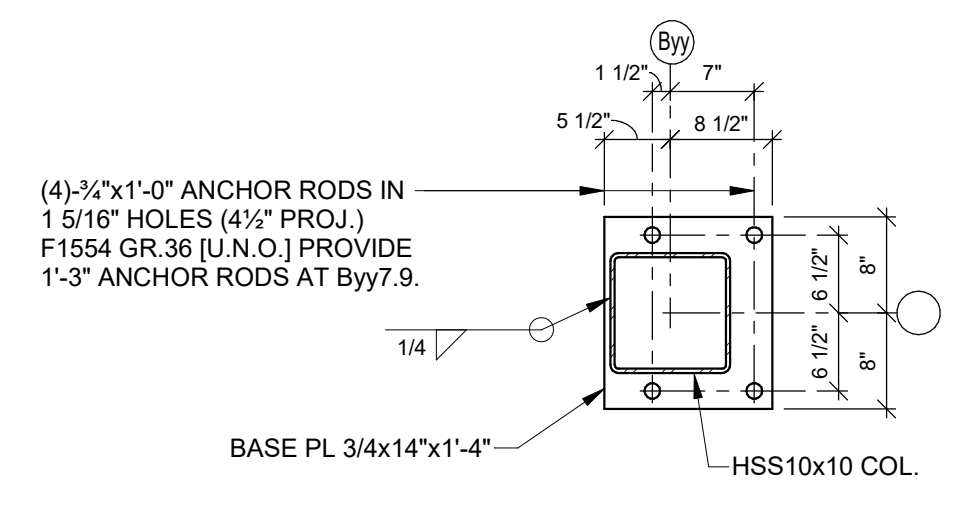
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 400 Airport Road
 Fayetteville, North Carolina 28306
 PARTIAL ROOF FRAMING PLAN - CONCOURSE B

DRAWN BY: Author
 REVIEWED BY: SF
 DATE: 08/30/22
 PROJECT NO: 23-58
 NOTES:

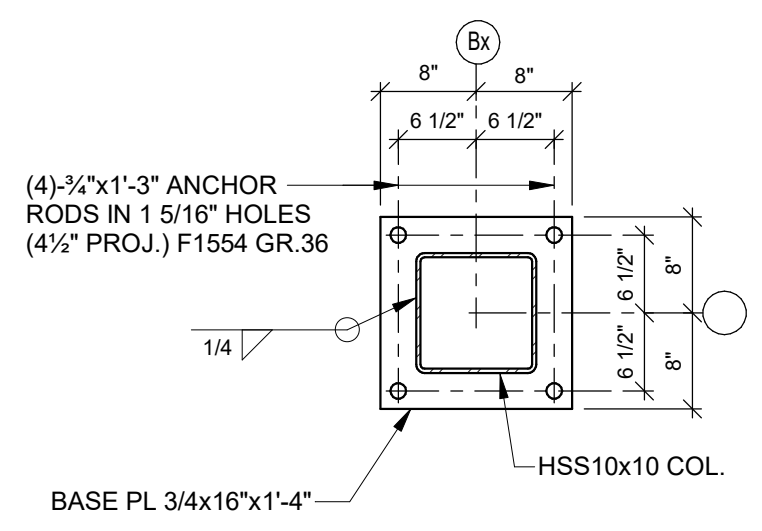
REVISIONS	

PARTIAL ROOF FRAMING PLAN - CONCOURSE B 1
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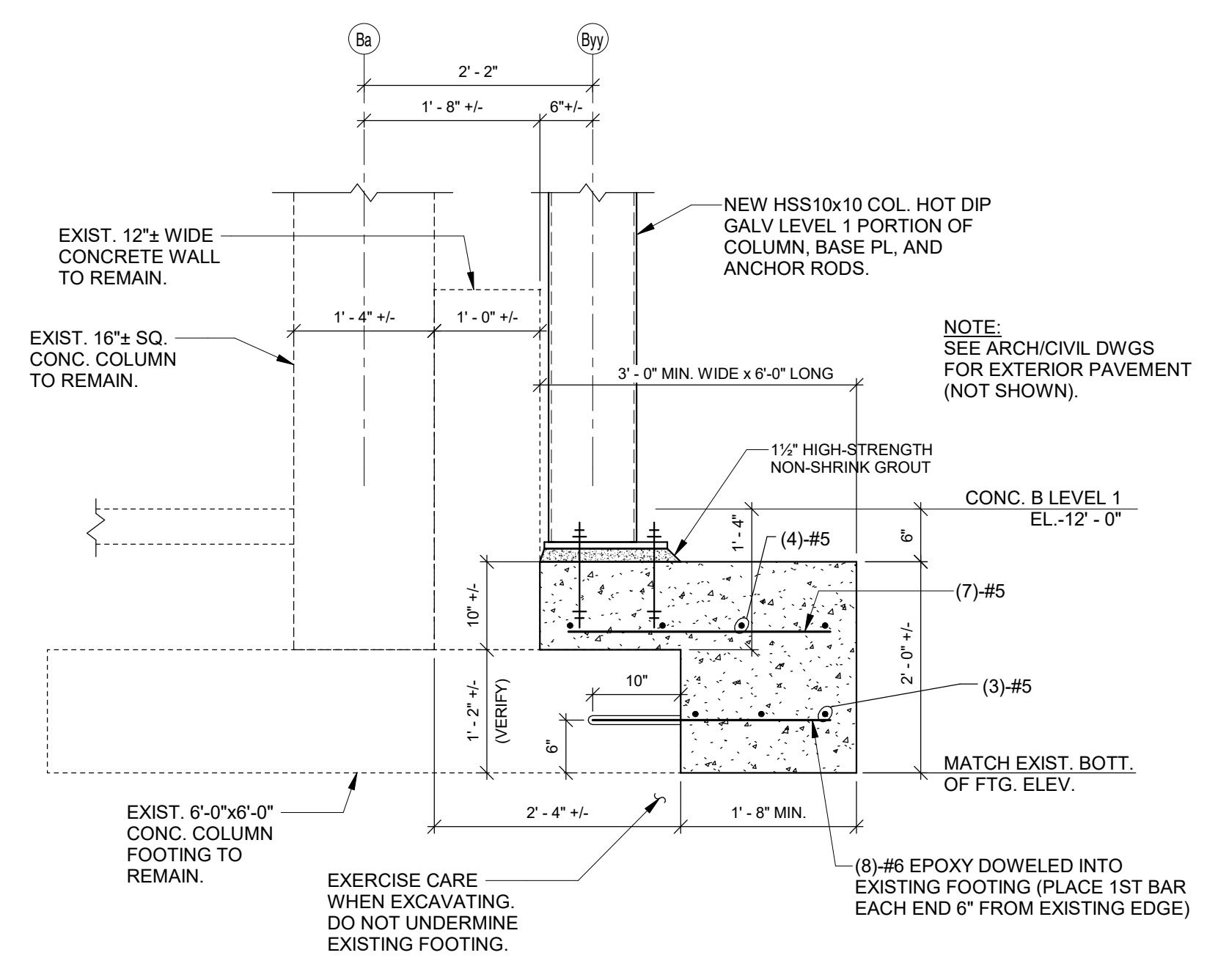
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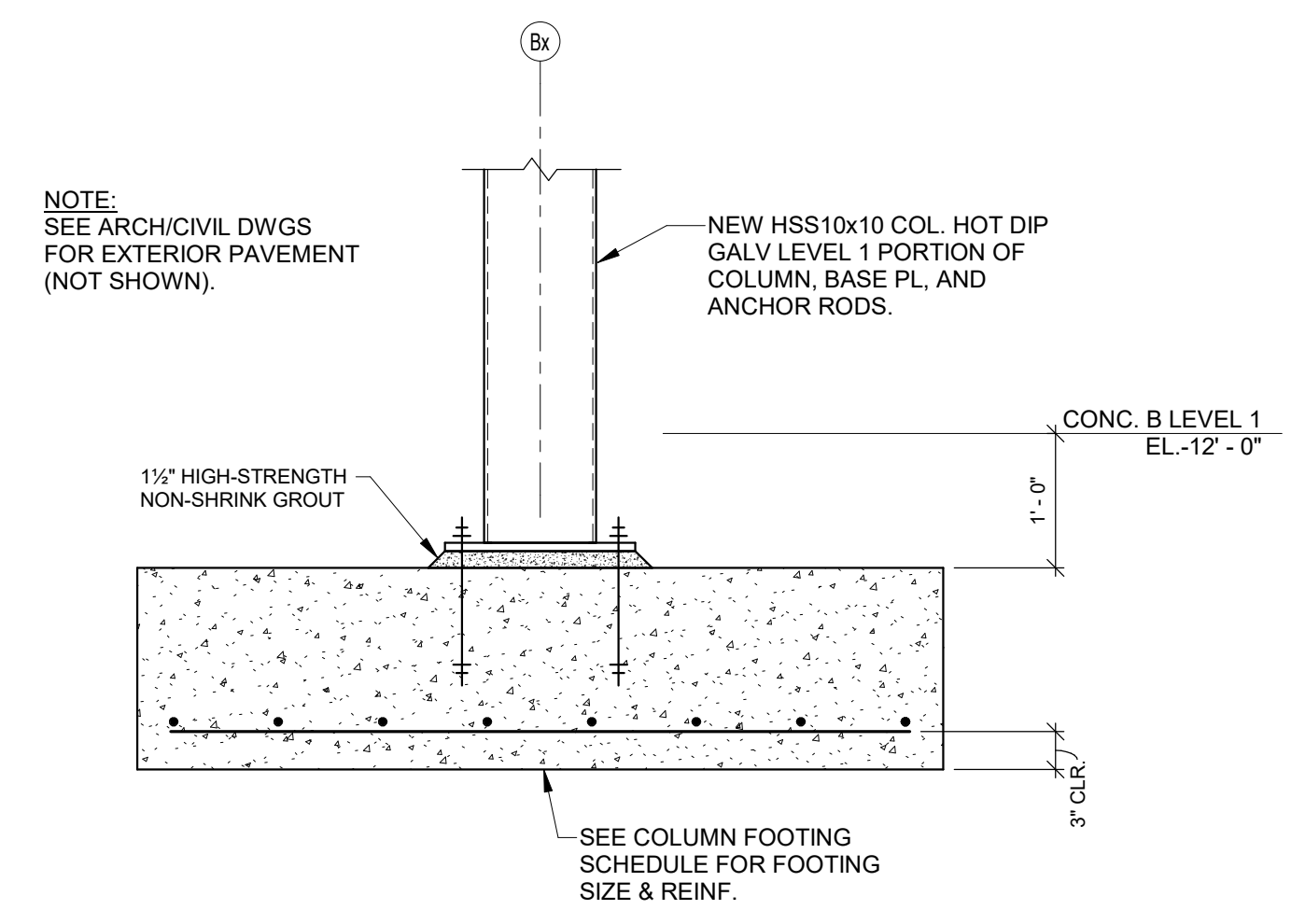
HSS10x10 BASE PL - Byy5, Byy6, Byy7 & Byy7.9
 3/4" = 1'-0" S4.00



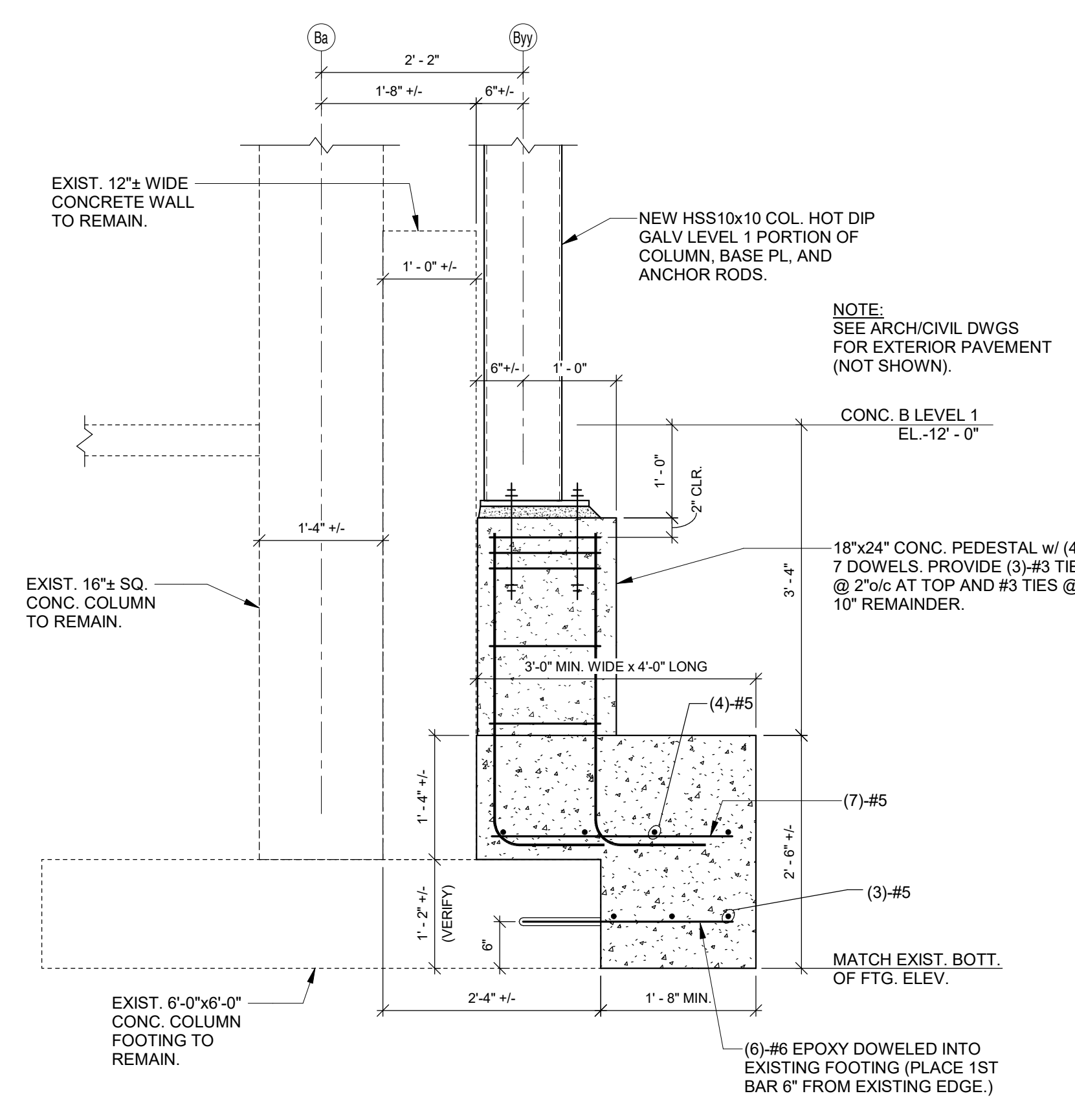
HSS10x10 BASE PL - Bx TYP.
 3/4" = 1'-0" S4.00



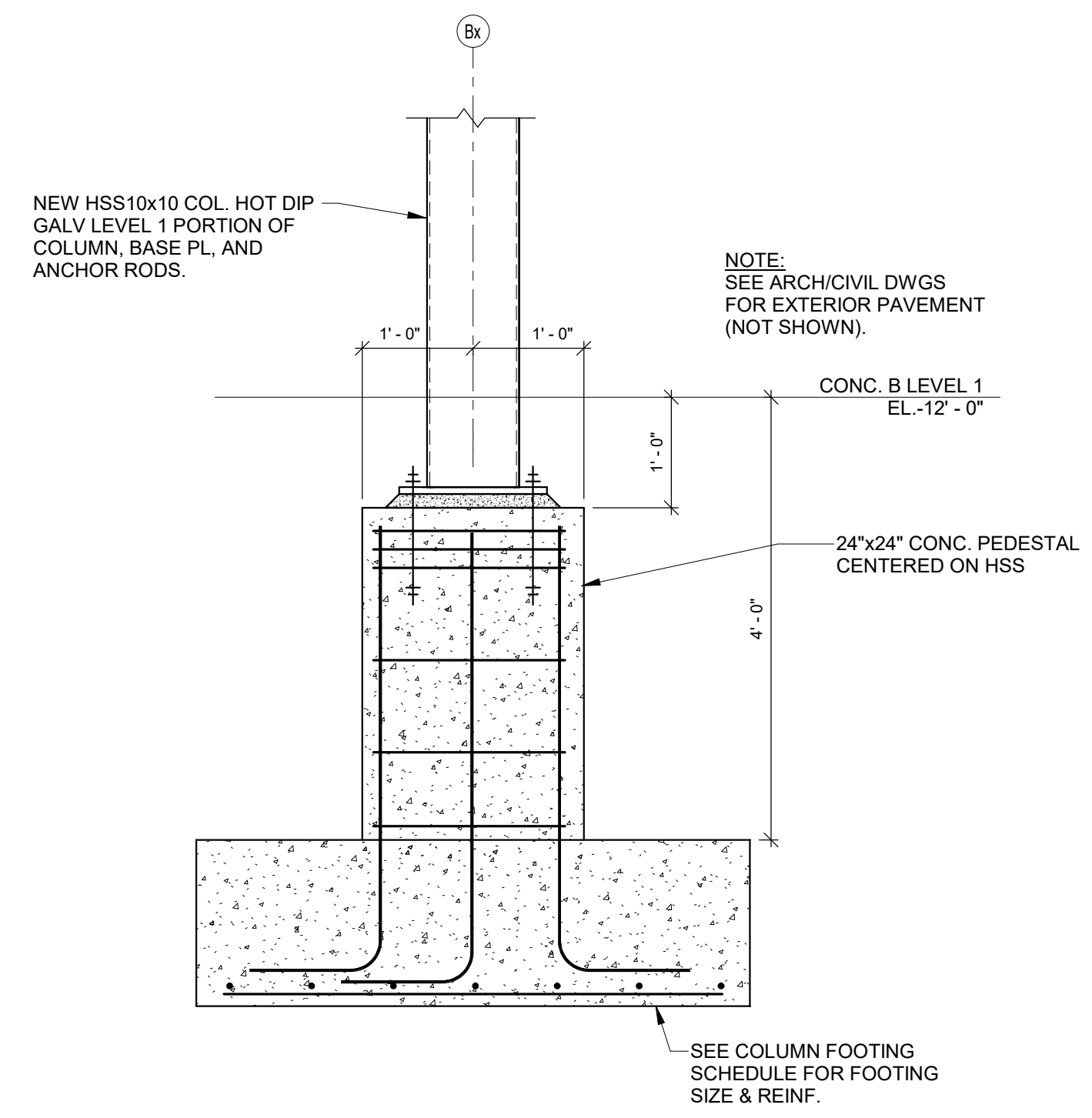
TYPICAL COLUMN FOOTING ALONG Byy AT 5/6 & 7
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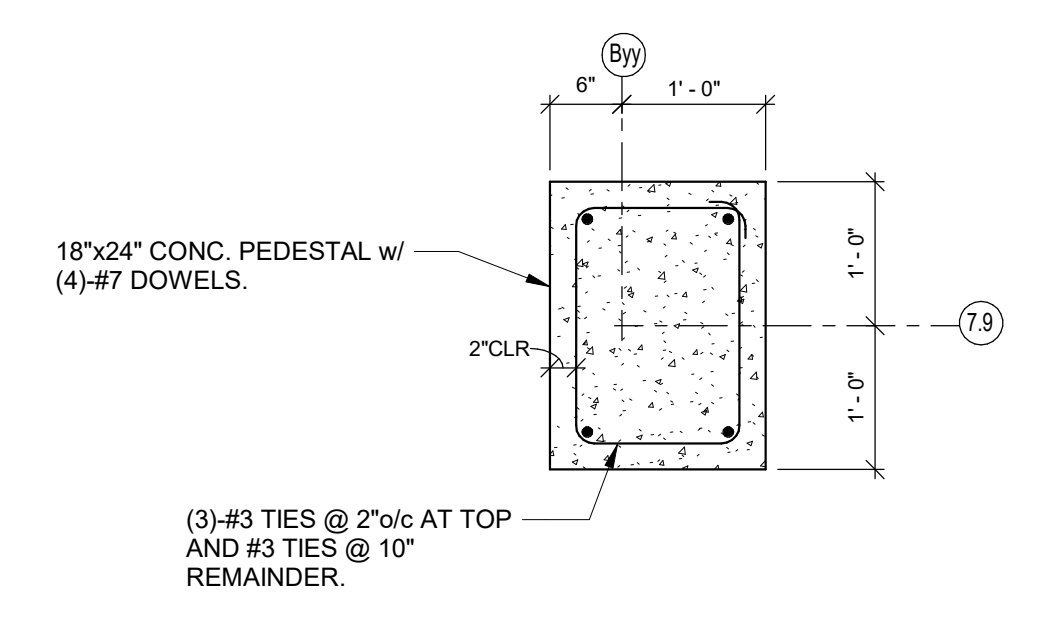
TYPICAL COLUMN FOOTING ALONG Bx AT 5/6 & 7
 3/4" = 1'-0" S4.00



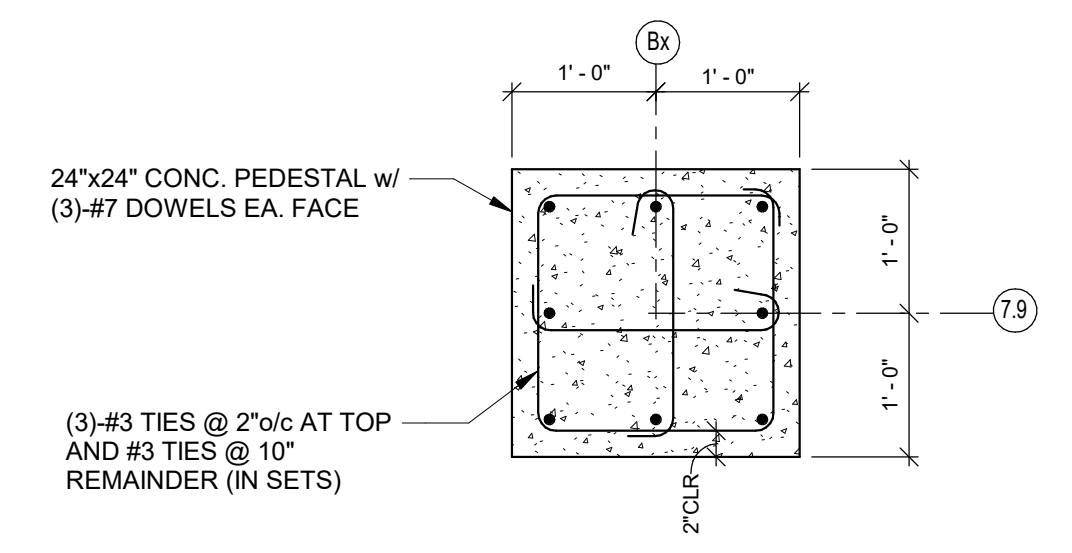
COLUMN FOOTING AT Byy7.9
 3/4" = 1'-0" S4.00



COLUMN FOOTING AT Bx7.9
 3/4" = 1'-0" S4.00



COLUMN PEDESTAL AT Byy7.9
 3/4" = 1'-0" S4.00



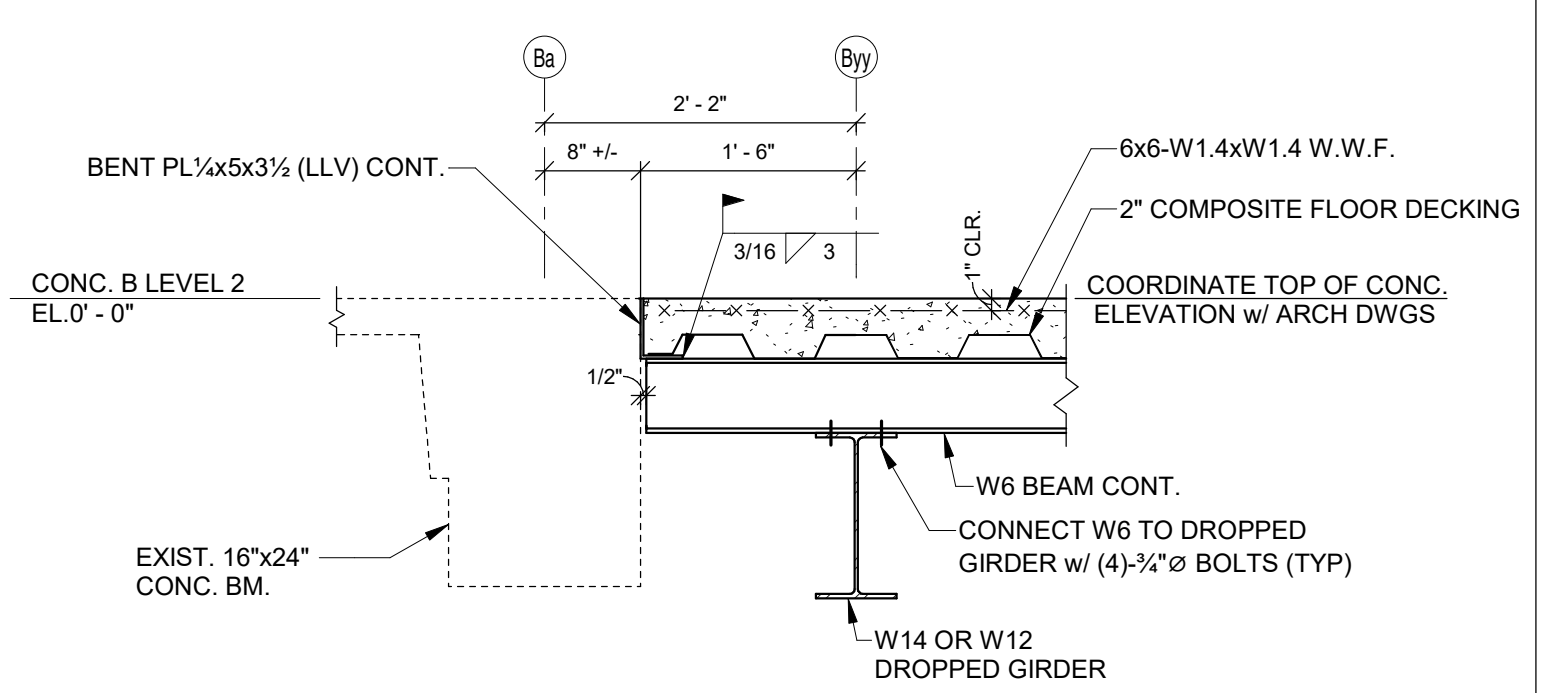
COLUMN PEDESTAL AT Bx7.9
 3/4" = 1'-0" S4.00

DRAWN BY: SD
 REVIEWED BY: JK
 DATE: 07/31/23
 PROJECT NO: 23-58
 NOTES:

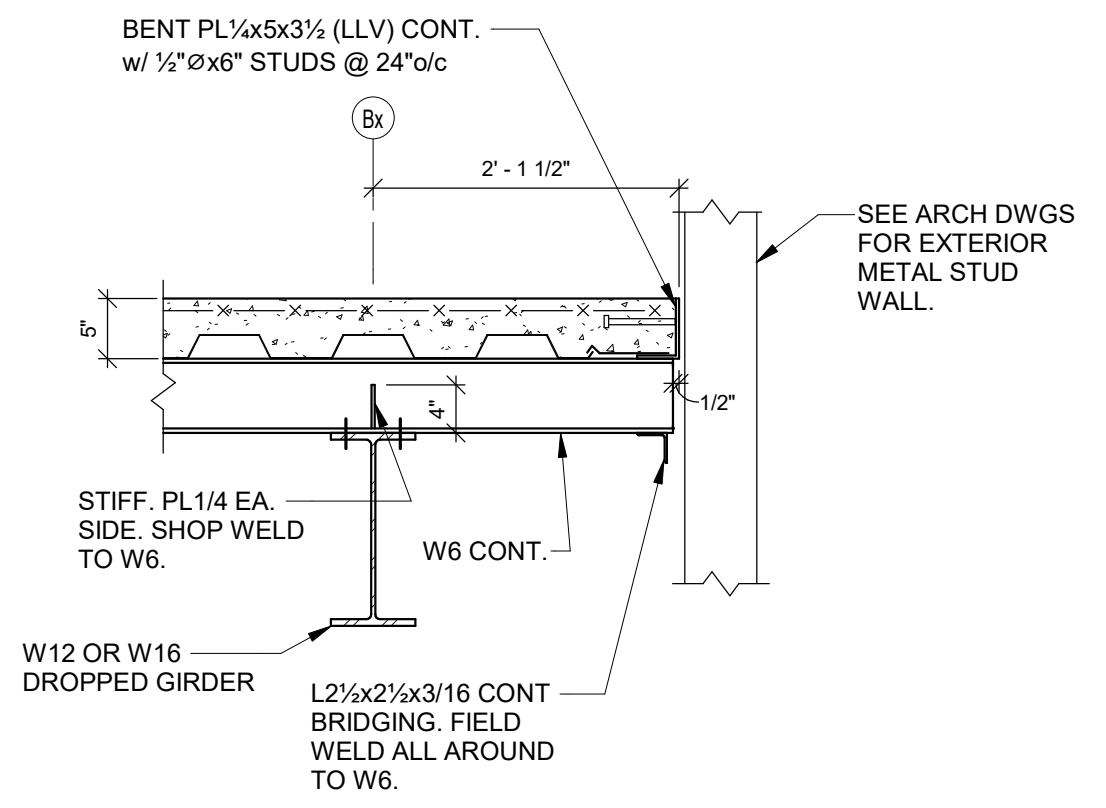
REVISIONS

SHEET NUMBER

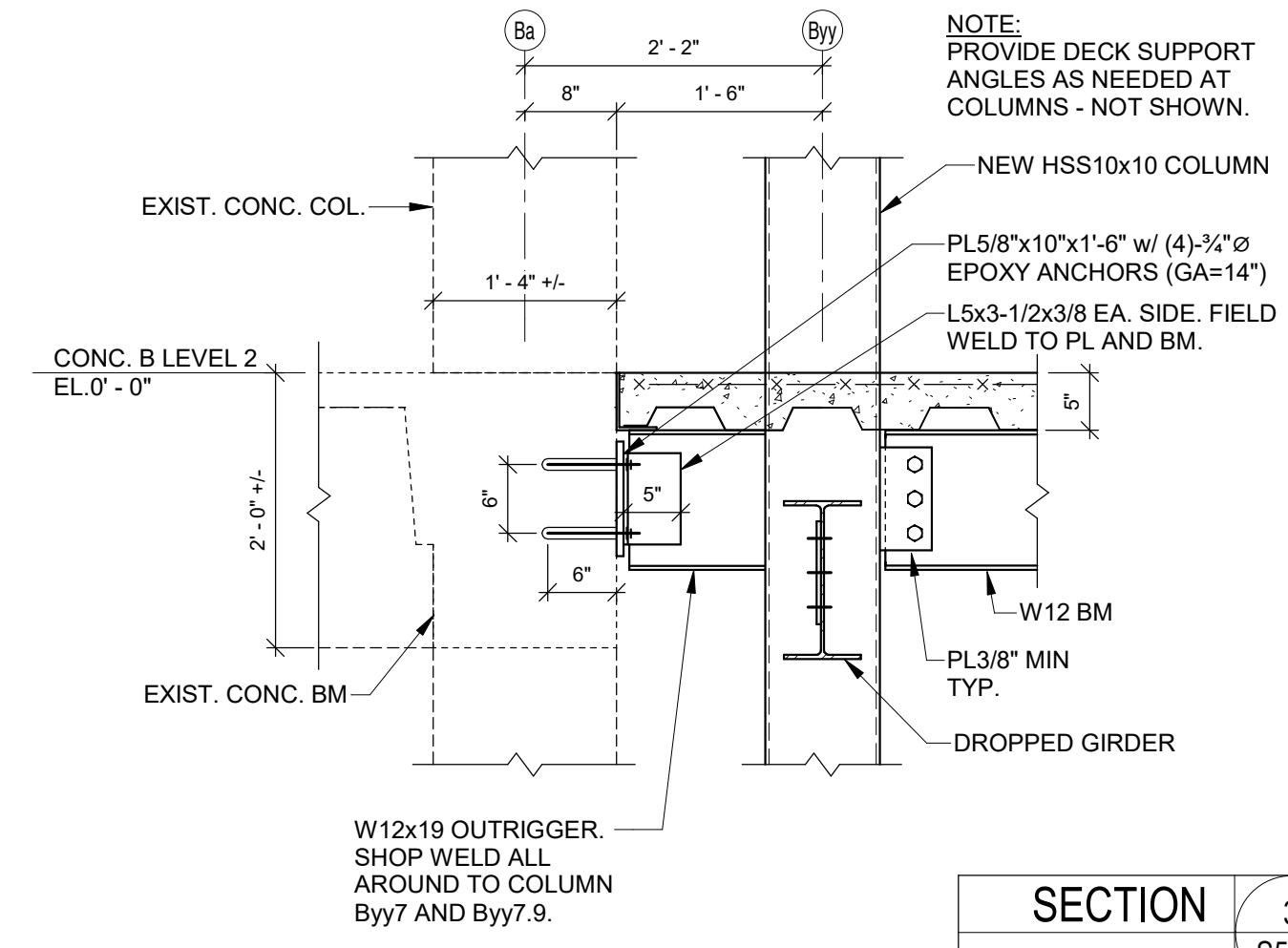
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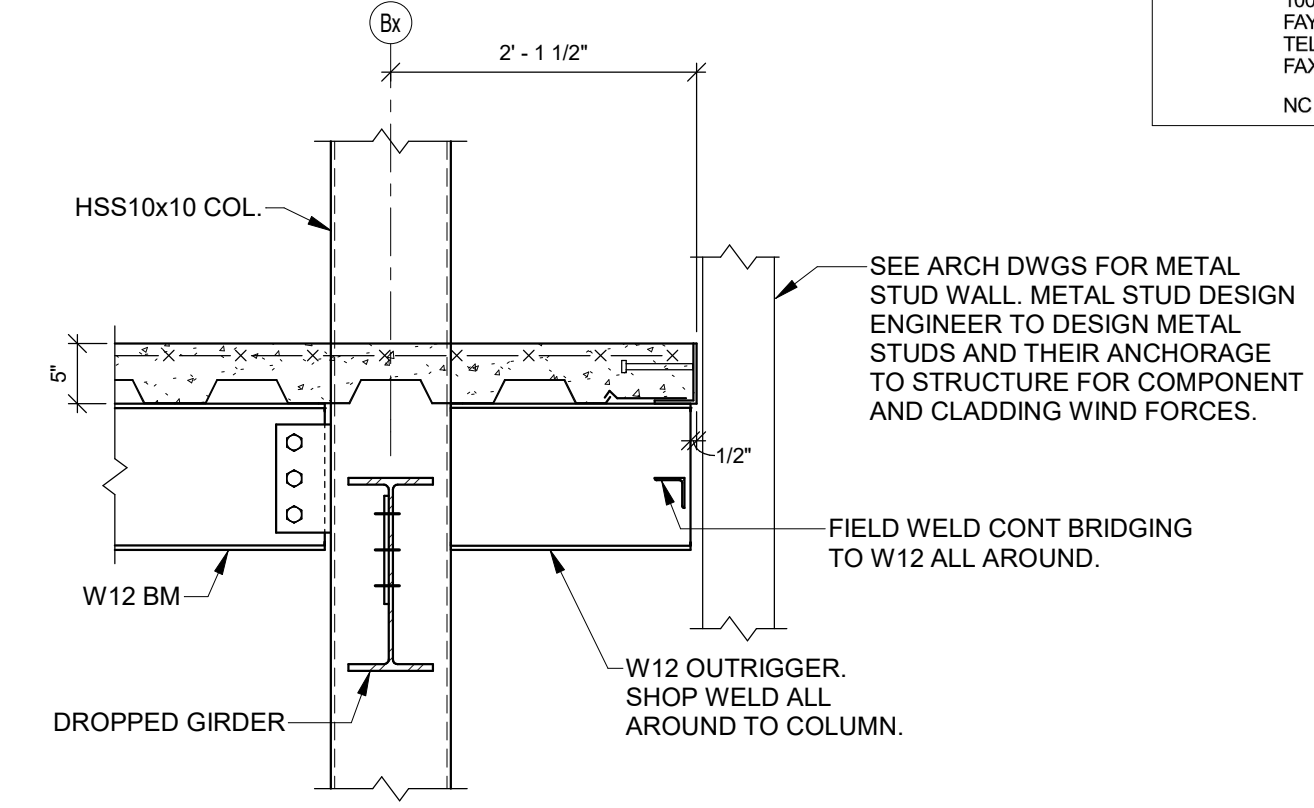
SECTION 1
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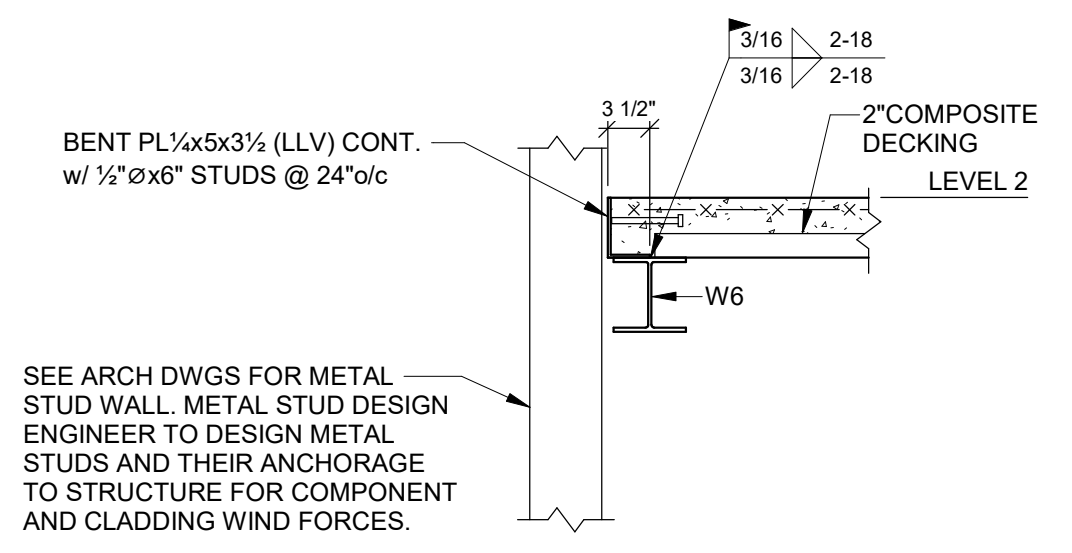
SECTION 2
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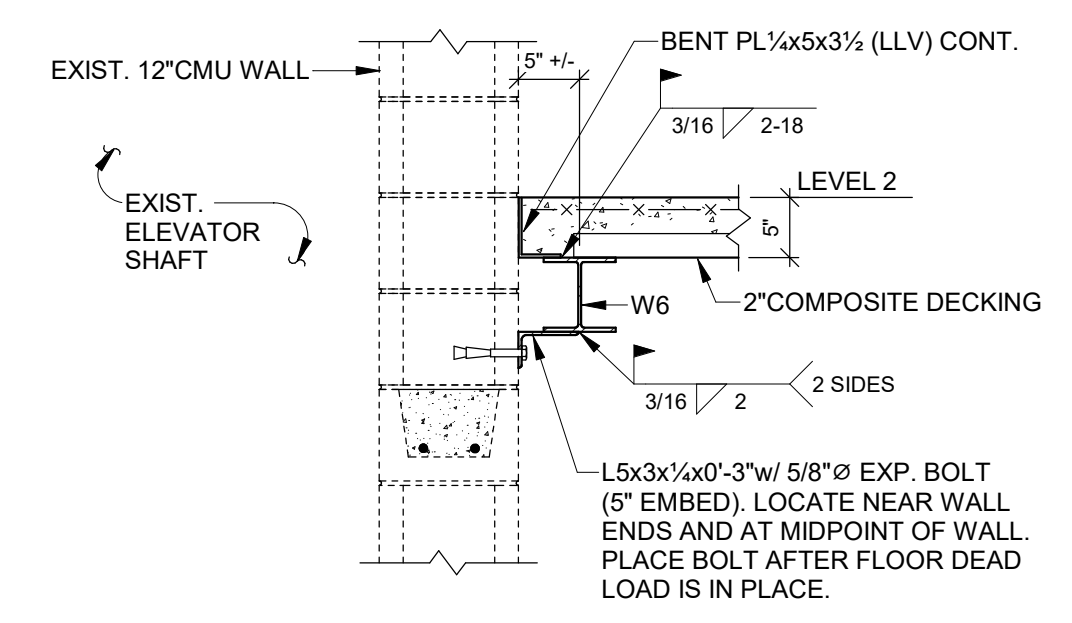
SECTION 3
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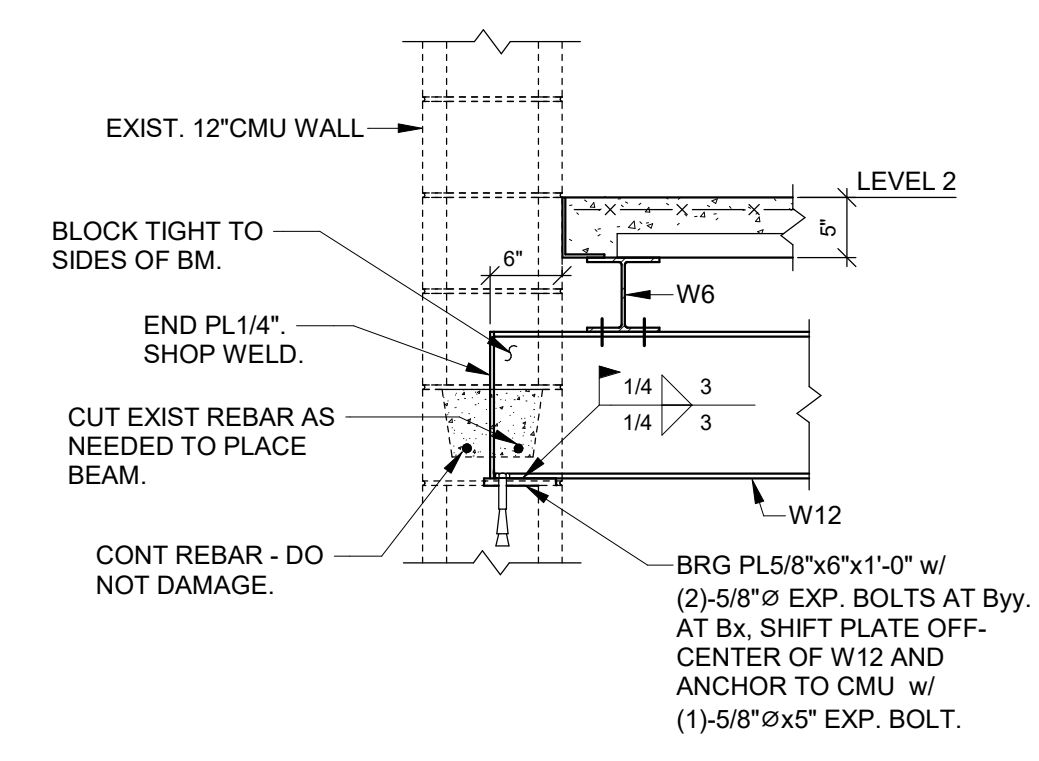
SECTION 4
 SCALE: 3/4" = 1'-0" \$5.00



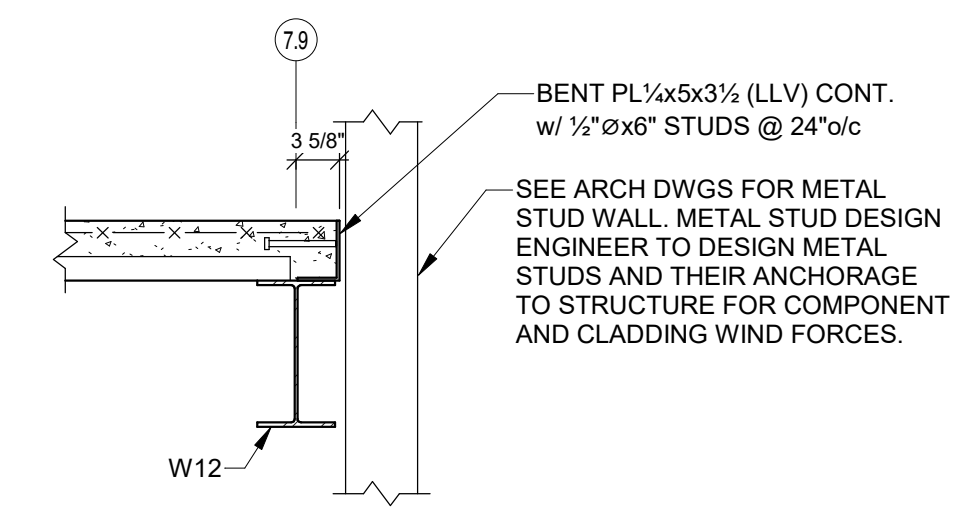
SECTION 5
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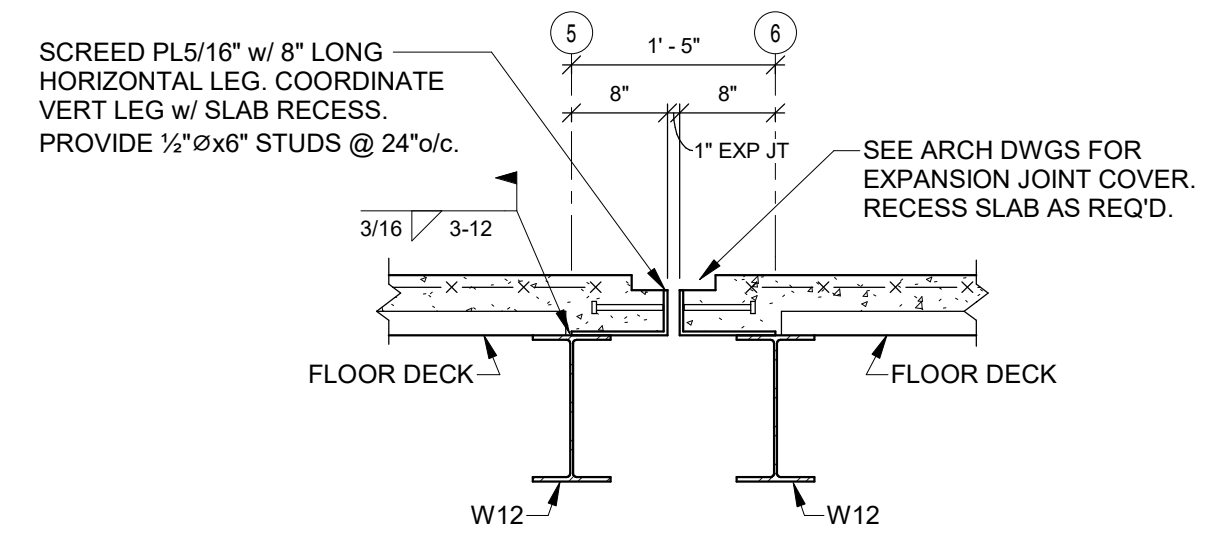
SECTION 6
 SCALE: 3/4" = 1'-0" \$5.00



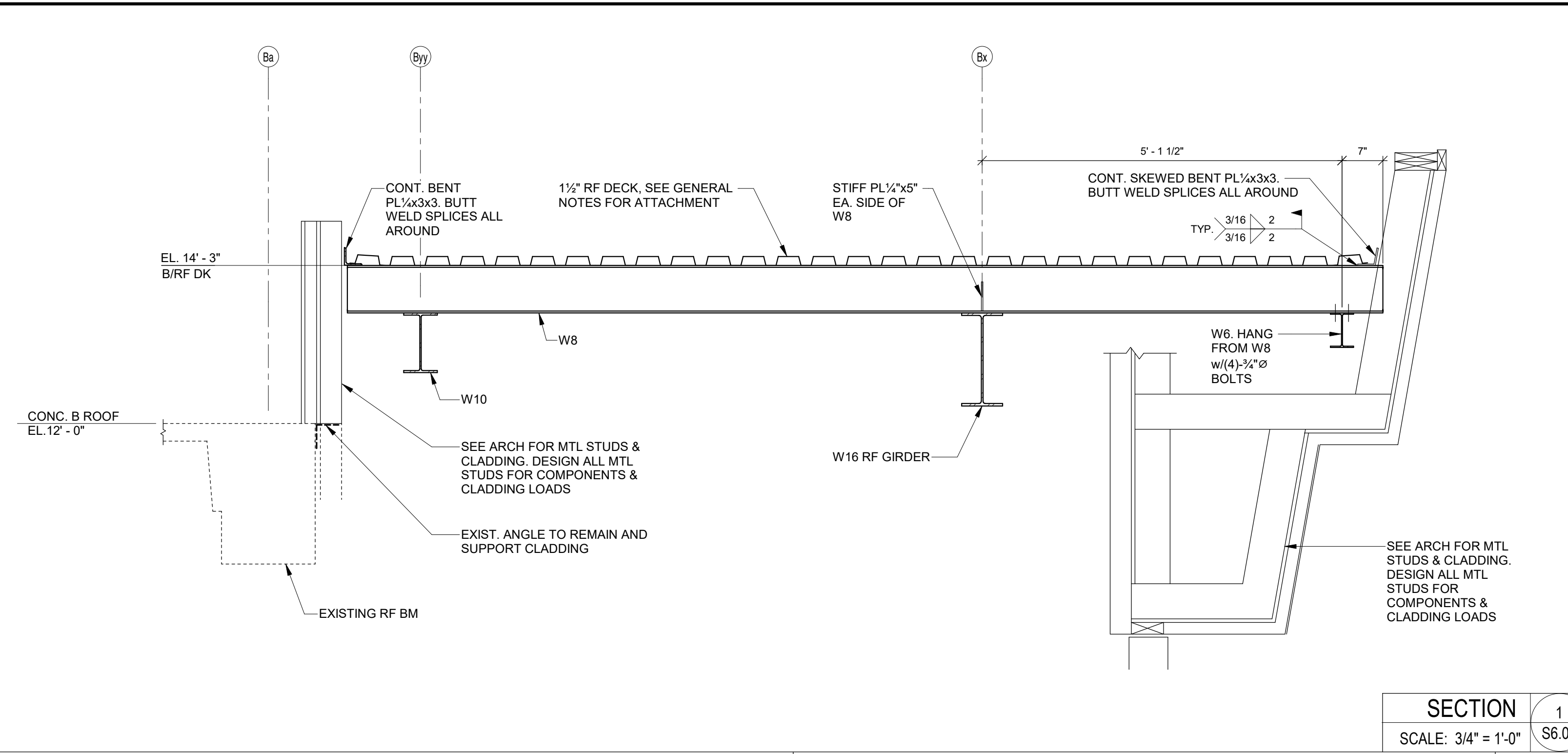
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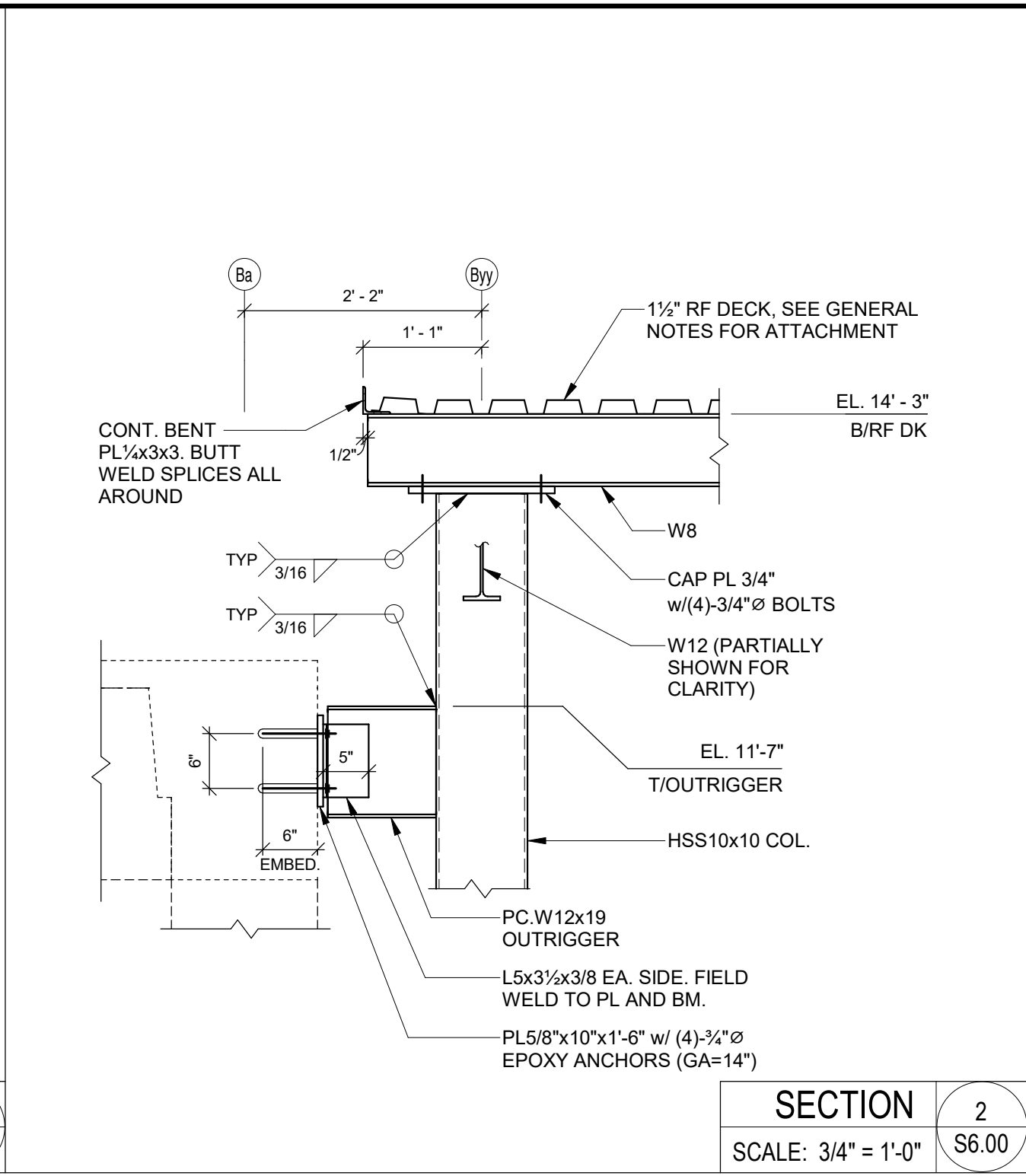
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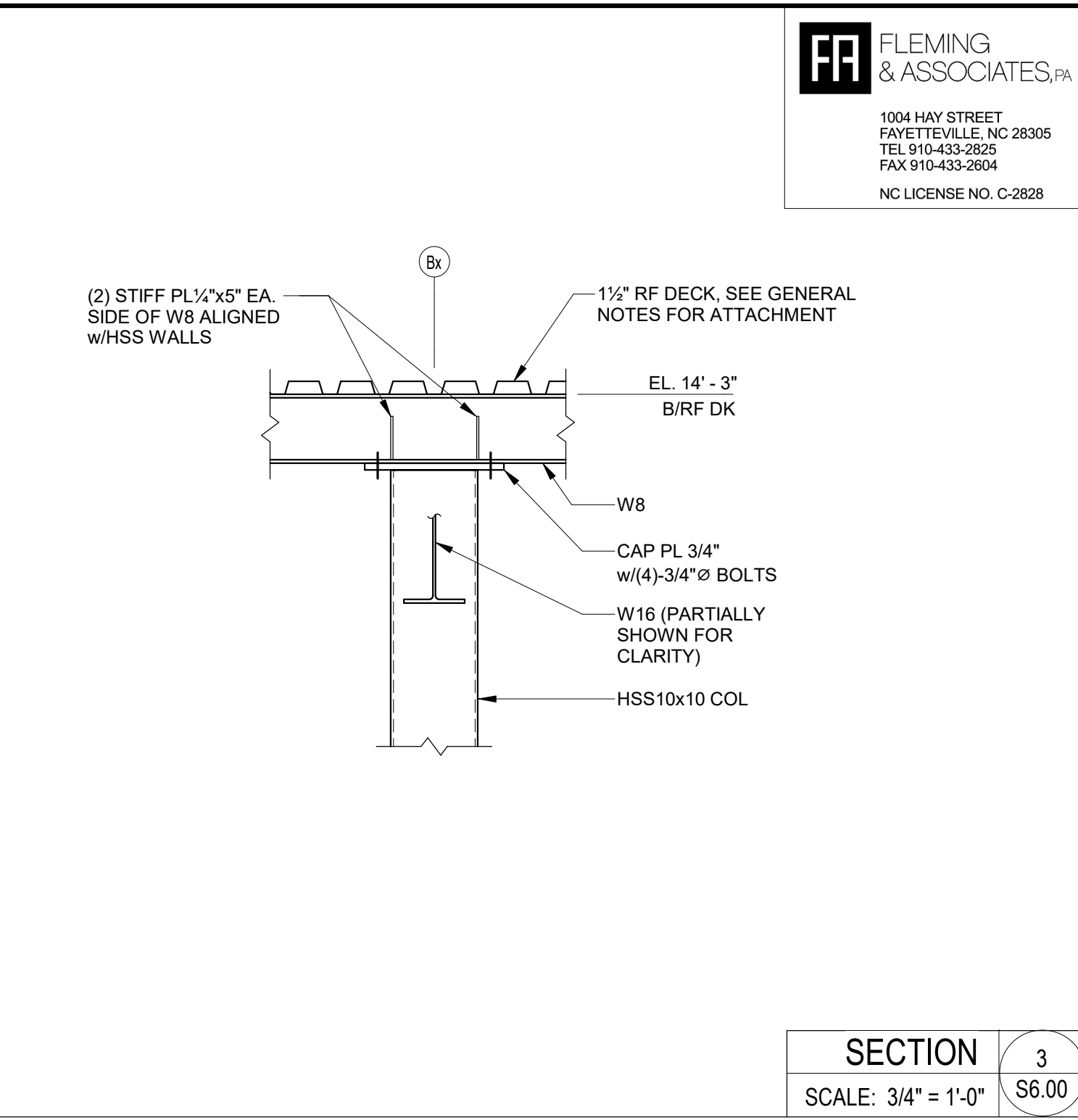
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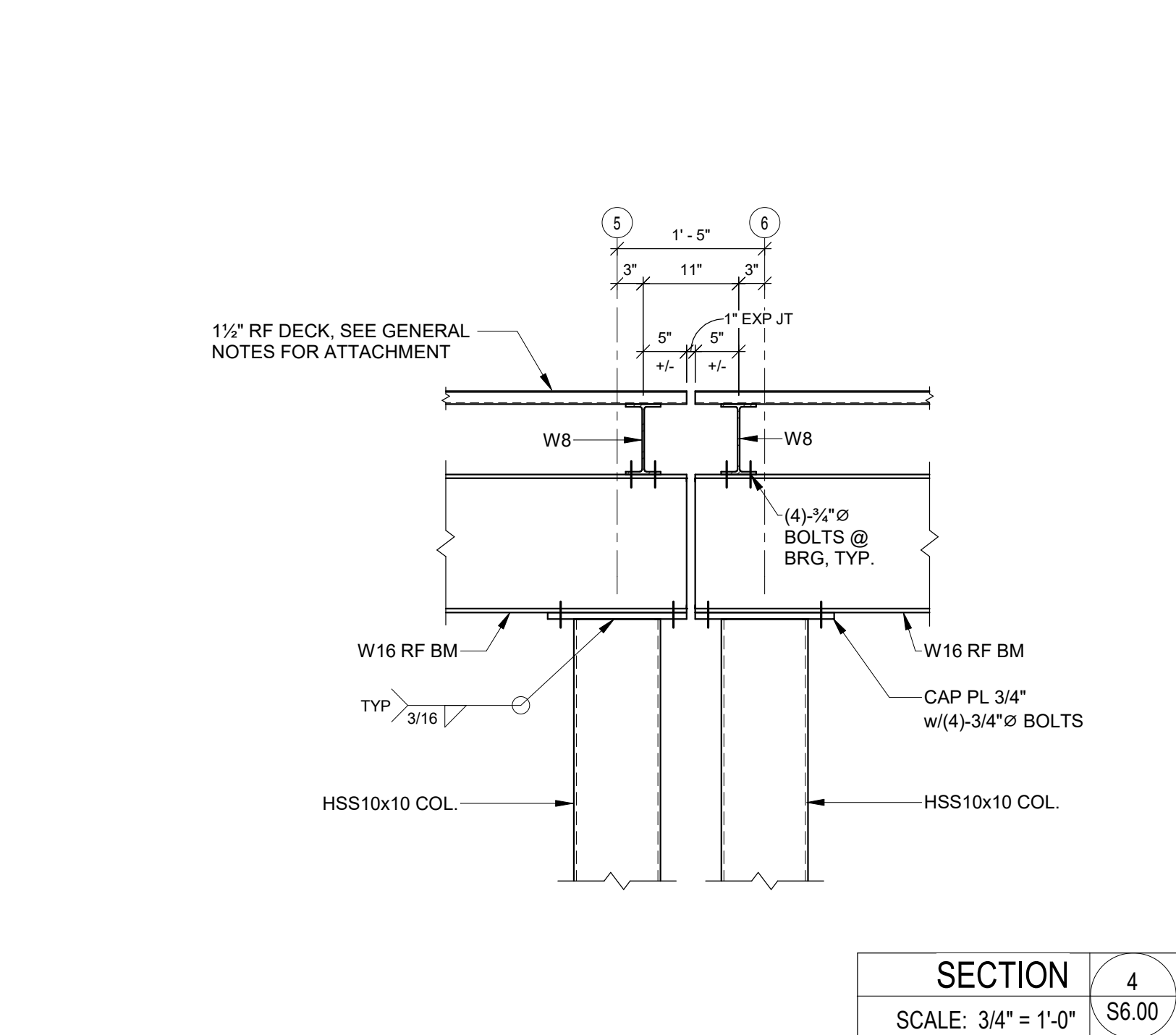
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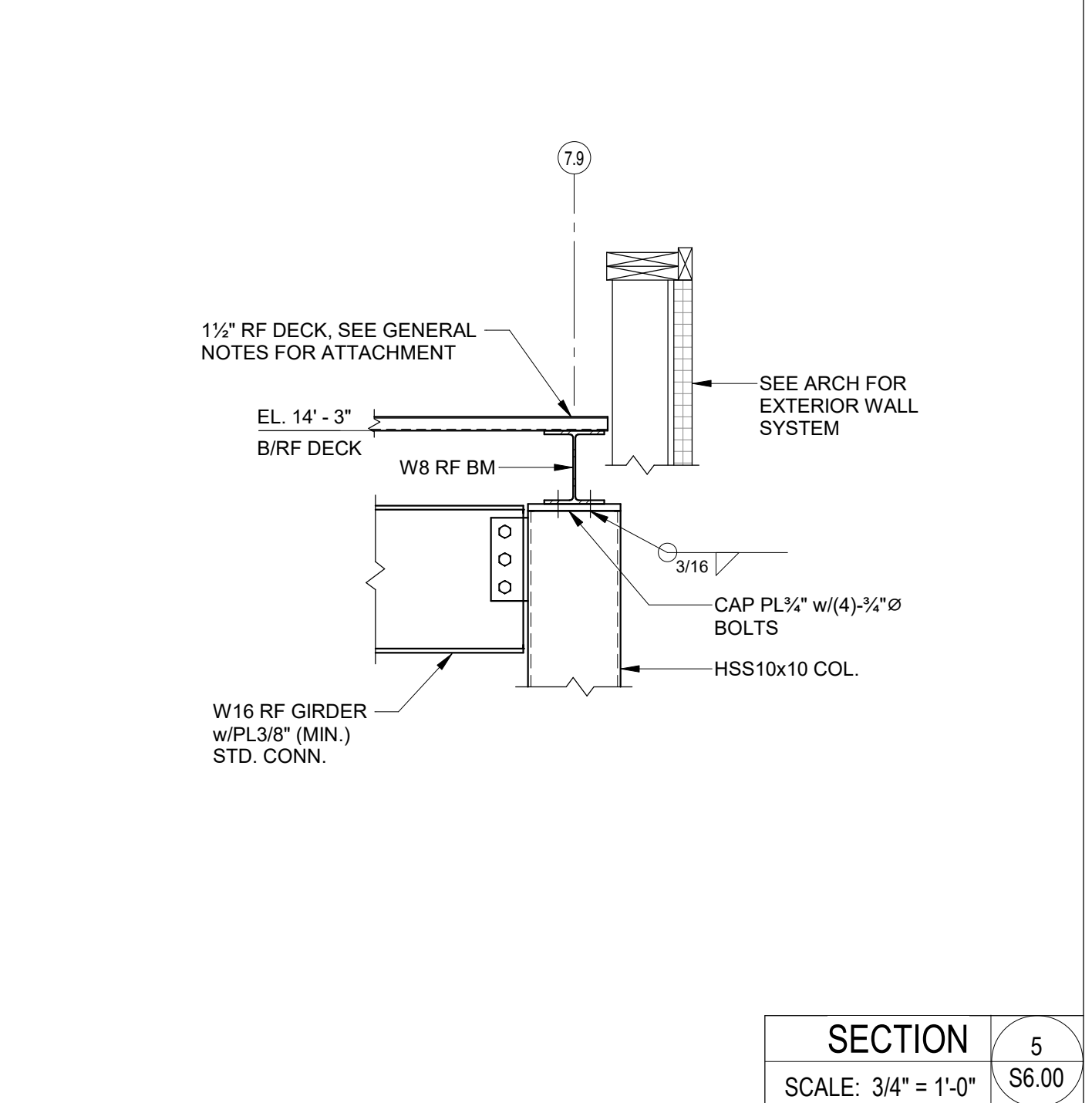
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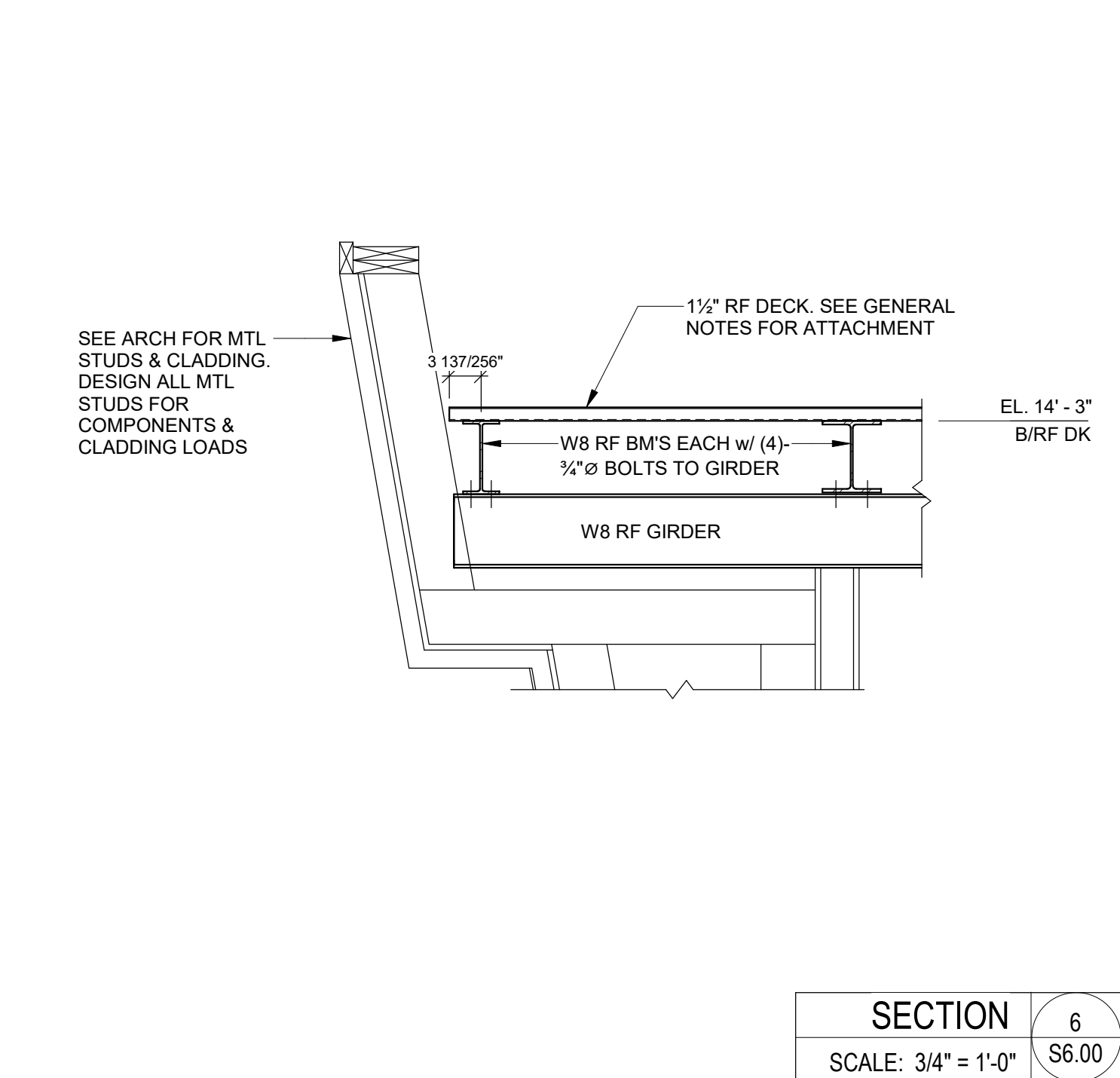
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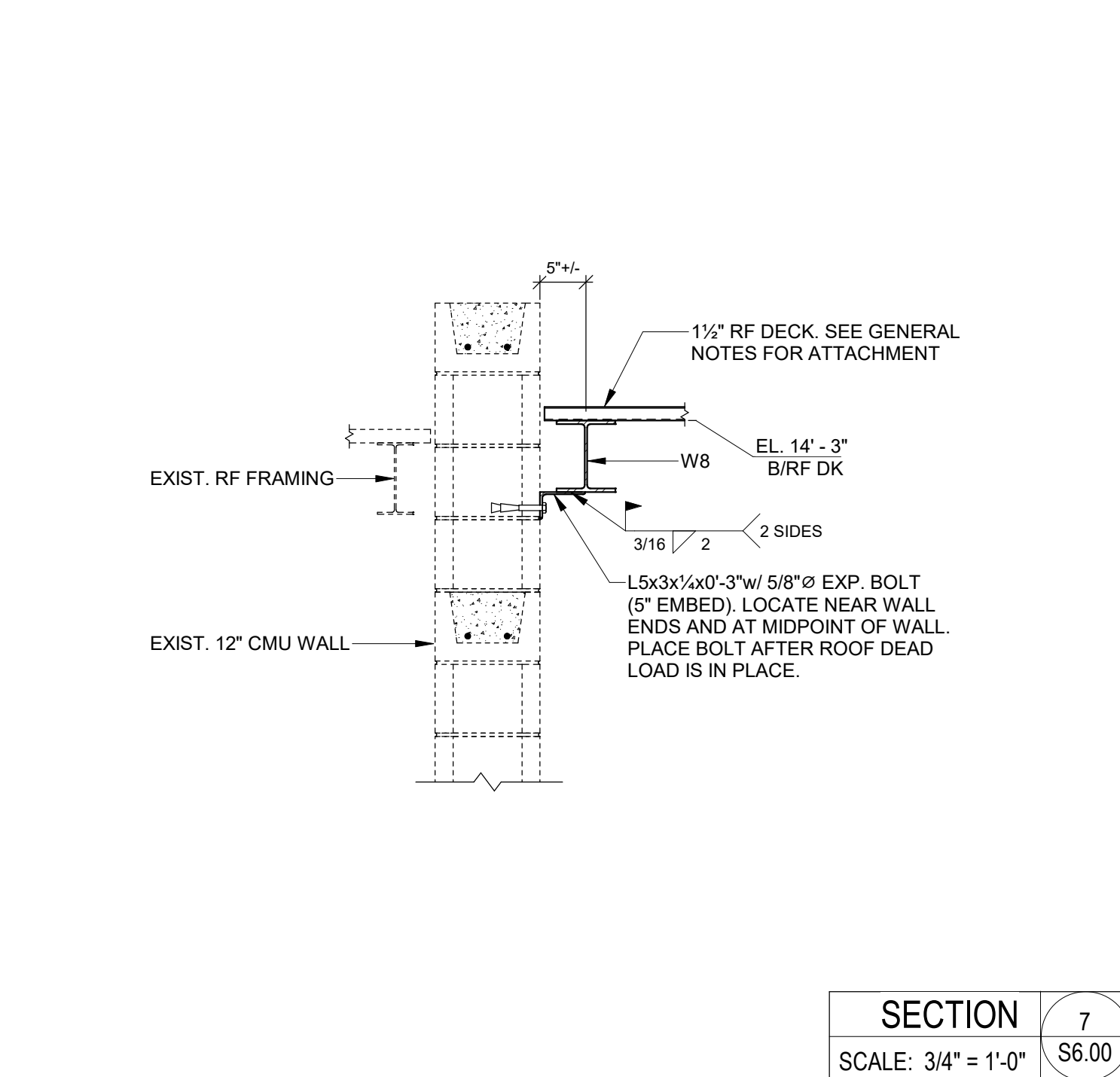
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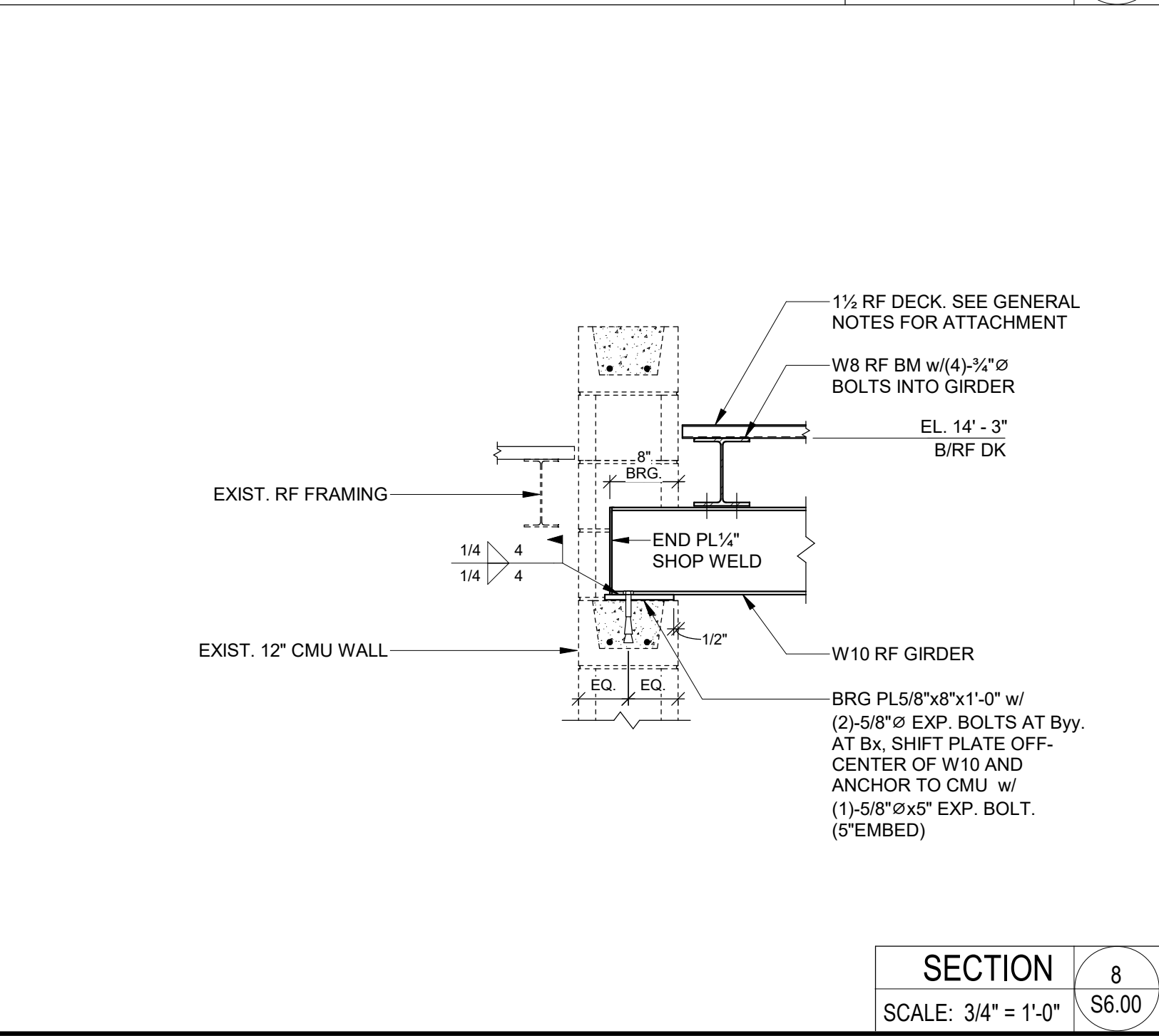
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SECTION 6
 SCALE: 3/4" = 1'-0" S6.00



SECTION 7
 SCALE: 3/4" = 1'-0" S6.00



SECTION 8
 SCALE: 3/4" = 1'-0" S6.00

DRAWN BY: _____ Author
 REVIEWED BY: _____ SF
 DATE: 09/24/22
 PROJECT NO: 23-58
 NOTES: _____

REVISIONS

SHEET NUMBER
56.00

SPRINKLER SYSTEM DESIGN CRITERIA

- THE EXISTING BUILDING IS FULLY PROTECTED WITH AN AUTOMATIC WET SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA-13.
- THE FIRE PROTECTION CONTRACTOR SHALL DESIGN THE MODIFICATIONS TO THE EXISTING AUTOMATIC WET SPRINKLER SYSTEM FOR THE PROJECT AREA IN ACCORDANCE WITH NFPA-13.
- THE MINIMUM DESIGN DENSITY SHALL BE 0.10 GPM PER SQUARE FOOT FOR THE HYDRAULICALLY MOST REMOTE 1,500 SQUARE FEET. LIGHT HAZARD AS DEFINED BY NFPA-13. AREAS OTHER THAN LIGHT HAZARD ARE INDICATED ON THE FLOOR PLANS.
- THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE SPRINKLERS IN ACCORDANCE WITH NFPA-13 AND THE LOCAL INSPECTIONS DEPARTMENT. SPRINKLERS SHALL BE LOCATED IN THE CENTER OF CEILING TILES.
- THE SCOPE OF WORK INCLUDES REPLACING SPRINKLERS AS REQUIRED TO ACCOMMODATE NEW CEILINGS. HYDRAULIC CALCULATIONS ARE NOT REQUIRED.
- ALL NEW SPRINKLER PIPING SHALL BE SCHEDULE 40 STEEL WITH SCREW FITTINGS. USE 1" ARMOVER TO CONNECT SPRINKLERS.
- FLEXIBLE CONNECTIONS ARE NOT ACCEPTABLE.
- ALL NEW SPRINKLERS SHALL MATCH EXISTING.
- ALL SPRINKLER HEAD TEMPERATURE RATINGS SHALL BE ORDINARY (165°F) UNLESS OTHERWISE INDICATED. ALL SPRINKLERS INSTALLED IN GYPSUM, PLASTER AND WOOD CEILINGS SHALL BE CONCEALED TYPE. ALL SPRINKLERS IN ACOUSTICAL, GYPSUM, AND/OR CORK CEILING SHALL BE SEMI-RECESSED TYPE.
- FIRE CAULK AND SLEEVE ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. REFER TO LIFE SAFETY PLANS FOR RATED ASSEMBLY LOCATIONS.
- ALL LOW POINTS OF THE SPRINKLER SYSTEM SHALL BE PROVIDED WITH DRAINS PER NFPA-13, 2013 EDITION. LOW POINT DRAINS SHALL BE CLEARLY MARKED AND PIPED TO THE EXTERIOR OF THE BUILDING. A VALVE DRAWING SHALL BE PROVIDED IN MECHANICAL ROOM SHOWING THE LOCATIONS OF ALL LOW POINT DRAINS.
- REVIEW ALL ARCHITECTURAL DRAWINGS, INCLUDING ALL REFLECTED CEILING PLANS PRIOR TO PREPARING THE BID.

FIRE PROTECTION LEGEND

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	SPRINKLER LINE

COMPONENTS AND SPECIALTIES

SYMBOL	DESCRIPTION
	SPRINKLER
	PIPE DROP
	PIPE RISE
	PIPE CAP
	BRANCH TAKE OFF
	PIPE DROP TEE
	PIPE RISE TEE

GENERAL SYMBOLS

LINETYPE SYMBOLS

DESIGNATION	DESCRIPTION
	DEMOLITION WORK
	EXISTING WORK
	NEW WORK

REFERENCE SYMBOLS

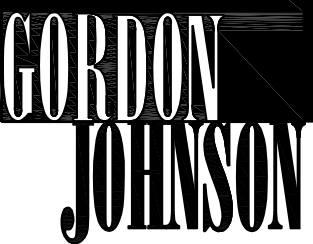
DESIGNATION	DESCRIPTION
	FLOOR PLAN NUMBER
	PARTIAL FLOOR PLAN NUMBER
	ELEVATION = LETTER
	DETAIL = NUMBER
	SHEET NUMBER ON WHICH THE PARTIAL PLAN, ELEVATION OR DETAIL IS DRAWN
	SHEET NUMBER WHERE PARTIAL PLAN, ELEVATION OR DETAIL IS TAKEN FROM
	NORTH ARROW
	POINT OF CONNECTION TO EXISTING
	POINT OF DISCONNECTION

A	COMPRESSED AIR
AAV	AUTOMATIC AIR VENT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR, AREA DRAIN
AF	ANTIFREEZE
AFF	ABOVE FINISHED FLOOR
AR	ARGON GAS
ATC	AUTOMATIC TEMPERATURE CONTROL
BAS	BUILDING AUTOMATION SYSTEM
BBD	BOILER BLOWDOWN
BCWR	BEARING COOLING WATER RETURN
BCWS	BEARING COOLING WATER SUPPLY
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
°C	DEGREE(S) CELSIUS
CA	CONTROL AIR
CBD	CONTINUOUS BLOWDOWN
CC	CAMPUS CONDENSATE
CCMS	CENTRAL CONTROL AND MONITORING SYSTEM
CD	CONDENSATE DRAIN
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEANOUT
CO2	CARBON DIOXIDE
CS	CLEAN STEAM
CW	COLD WATER, CITY WATER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DEEP, DRAIN WATER
DB	DECIBEL, DRY BULB
DDC	DIRECT DIGITAL CONTROL
DHR	DISTRIBUTION HEATING WATER RETURN
DHS	DISTRIBUTION HEATING WATER SUPPLY
DIR	DEIONIZED WATER RETURN
DIS	DEIONIZED WATER SUPPLY
DL	DOOR LOUVER
DN	DOWN
DSP	DRY SPRINKLER PIPE
DTR	DUAL TEMPERATURE RETURN
DTS	DUAL TEMPERATURE SUPPLY
DW	DISTILLED WATER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EJ	EXPANSION JOINT
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
ETC	ETCETERA
EVAC	GAS EVACUATION
EW	ENTERING WATER TEMPERATURE
EX	EXISTING
°F	DEGREE(S) FAHRENHEIT
F	FIRE LINE
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER, FOUNDATION DRAIN
FDV	FIRE DEPARTMENT VALVE
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FIN/FT	FINS PER FEET
FIN/INCH	FINS PER INCH
FM	FLOWMETER
FMF	FLOWMETER FITTING
FOF	FUEL OIL FILL
FOO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY

GENERAL ABBREVIATIONS

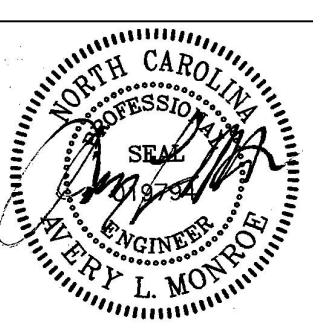
NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

FOT	FUEL OIL TRANSFER	OED	OPEN ENDED DUCT
FOV	FUEL OIL VENT	OS&Y	OUTSIDE STEM AND YOKE
FPM	FEET PER MINUTE	P&ID	PROCESS AND INSTRUMENTATION DIAGRAM
FPS	FEET PER SECOND	PA	PLANT AIR
FS	FLOW SWITCH	PC	PUMPED CONDENSATE
FT	FOOT, FEET	PCP	PUMPED CONDENSATE RECIRCULATION
FWR	FEED WATER RETURN	PCHR	PRIMARY CHILLED WATER RETURN
FWS	FEED WATER SUPPLY	PCHS	PRIMARY CHILLED WATER SUPPLY
G	NATURAL GAS	PCWR	PROCESS COOLING WATER RETURN
GHR	GLYCOL HEATING RETURN	PCWS	PROCESS COOLING WATER SUPPLY
GHS	GLYCOL HEATING SUPPLY	PD	PRESSURE DROP, PUMP DISCHARGE
GPH	GALLONS PER HOUR	PGR	PROCESS GLYCOL WATER RETURN
GPM	GALLONS PER MINUTE	PGS	PROCESS GLYCOL WATER SUPPLY
GR	AUTOMOTIVE LUBRICATION PIPING	PH	PHASE
H	HIGH	PHR	PRIMARY HEATING RETURN
HB	HOSE BIBB	PHS	PRIMARY HEATING SUPPLY
HED	HOSE END DRAIN VALVE	PIV	POST INDICATING VALVE
HP	HORSEPOWER	PPH	POUNDS PER HOUR
HPR	HIGH PRESSURE STEAM RETURN	PRV	PRESSURE REDUCING VALVE
HPS	HIGH PRESSURE STEAM SUPPLY	PSI	POUNDS PER SQUARE INCH
HR	HEATING WATER RETURN	PSIG	POUNDS PER SQUARE INCH GAUGE
HRR	HEAT RECOVERY RETURN	RA	RETURN AIR, RELIEF AIR
HRS	HEAT RECOVERY SUPPLY	RD	REFRIGERANT DISCHARGE
HS	HEATING WATER SUPPLY	RH	RELATIVE HUMIDITY
HT	HEIGHT	RHR	REHEAT WATER RETURN
HTHR	HIGH TEMPERATURE HEATING WATER RETURN	RHS	REHEAT WATER SUPPLY
HTHS	HIGH TEMPERATURE HEATING WATER SUPPLY	RL	REFRIGERANT LIQUID
HW	HOT WATER	ROR	REVERSE OSMOSIS WATER RETURN
HWR	HOT WATER RECIRCULATION	ROS	REVERSE OSMOSIS WATER SUPPLY
HZ	HERTZ	RPM	REVOLUTIONS PER MINUTE
IA	INSTRUMENT AIR	RS	REFRIGERANT SUCTION
ICW	INDUSTRIAL COLD WATER	RV	RELIEF VENT, REFRIGERANT VENT
IHW	INDUSTRIAL HOT WATER	RX	REMOVE EXISTING
IHR	INDUSTRIAL HOT WATER RECIRCULATION	SA	SUPPLY AIR
IN	INCH, INCHES	SAN	SANITARY, SOIL, WASTE
INV EL	INVERT ELEVATION	SCHR	SECONDARY CHILLED WATER RETURN
KW	KILOWATTS	SCHS	SECONDARY CHILLED WATER SUPPLY
L	LONG, LENGTH	SD	STORM DRAIN, SMOKE DETECTOR
LA	LABORATORY AIR	SF	SQUARE FOOT
LAT	LEAVING AIR TEMPERATURE	SHR	SECONDARY HEATING WATER RETURN
LBS	POUNDS	SHS	SECONDARY HEATING WATER SUPPLY
LBS/HR	POUNDS PER HOUR	SL	SOUND LINING
LN	LIQUID NITROGEN	SP	STATIC PRESSURE
LP	LIQUID PROPANE	SPR	SPRINKLER LINE
LPG	LIQUID PETROLEUM GAS	SS	STAINLESS STEEL
LPR	LOW PRESSURE STEAM RETURN	SQ FT	SQUARE FOOT
LPS	LOW PRESSURE STEAM SUPPLY	SW	SOFT WATER
LV	LABORATORY VENT, LABORATORY VACUUM	ΔT	TEMPERATURE DIFFERENCE
LW	LABORATORY WASTE	TS	TAMPER SWITCH
LWT	LEAVING WATER TEMPERATURE	TSP	TOTAL STATIC PRESSURE
MA	MEDICAL AIR	TWR	TEMPERED WATER RETURN
MAV	MANUAL AIR VENT	TWS	TEMPERED WATER SUPPLY
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR	TW	TREATED WATER
MCC	MOTOR CONTROL CENTER	TYP	TYPICAL
MO	MOTOR OIL PIPING	UCD	UNDERCUT DOOR
MOD	MOTOR OPERATED DAMPER	UL	UNDERWRITERS LABORATORIES
MPR	MEDIUM PRESSURE STEAM RETURN	V	VACUUM, VOLTS
MPS	MEDIUM PRESSURE STEAM SUPPLY	VD	VOLUME DAMPER
MV	MEDICAL VACUUM	VFD	VARIABLE FREQUENCY DRIVE
N	NITROGEN	VPD	VACUUM PUMP DISCHARGE
NA	NOT APPLICABLE	VSD	VARIABLE SPEED DRIVE
NC	NOISE CRITERIA, NORMALLY CLOSED	VTR	VENT THROUGH ROOF
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	W	WATTS, WIDE
NO	NORMALLY OPEN, NITROUS OXIDE	WB	WET BULB
NPSH	NET POSITIVE SUCTION HEAD	WC	WATER COLUMN
O	OXYGEN	WG	WATER GAUGE
OA	OUTSIDE AIR	WH	WALL HYDRANT
OD	OVERFLOW DRAIN	WWF	WELDED WIRE FABRIC
		WWM	WELDED WIRE MESH



Gordon Johnson Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2188
 E-mail: gordon@johnsonarchitecture.com
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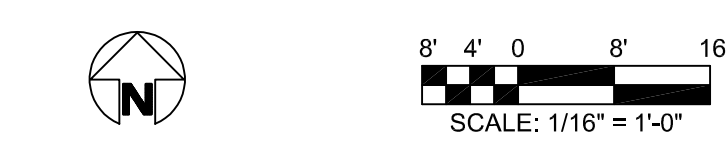
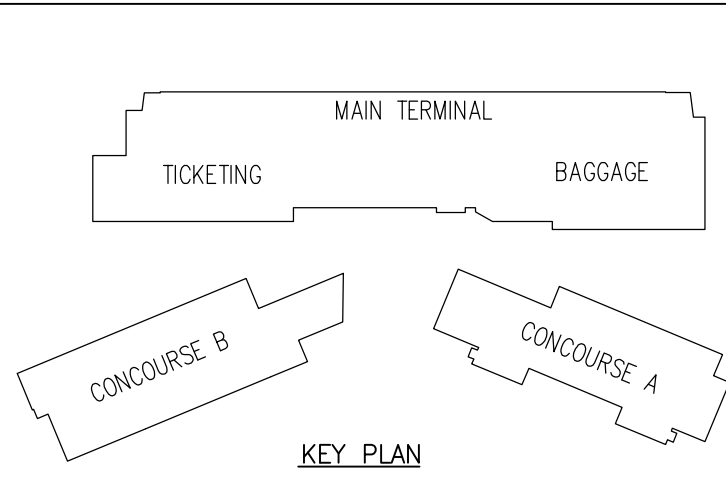
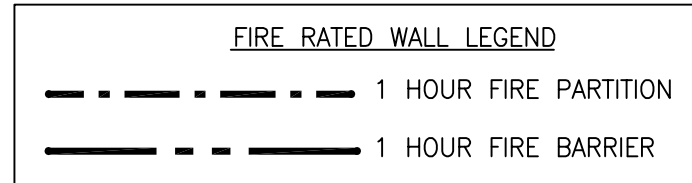
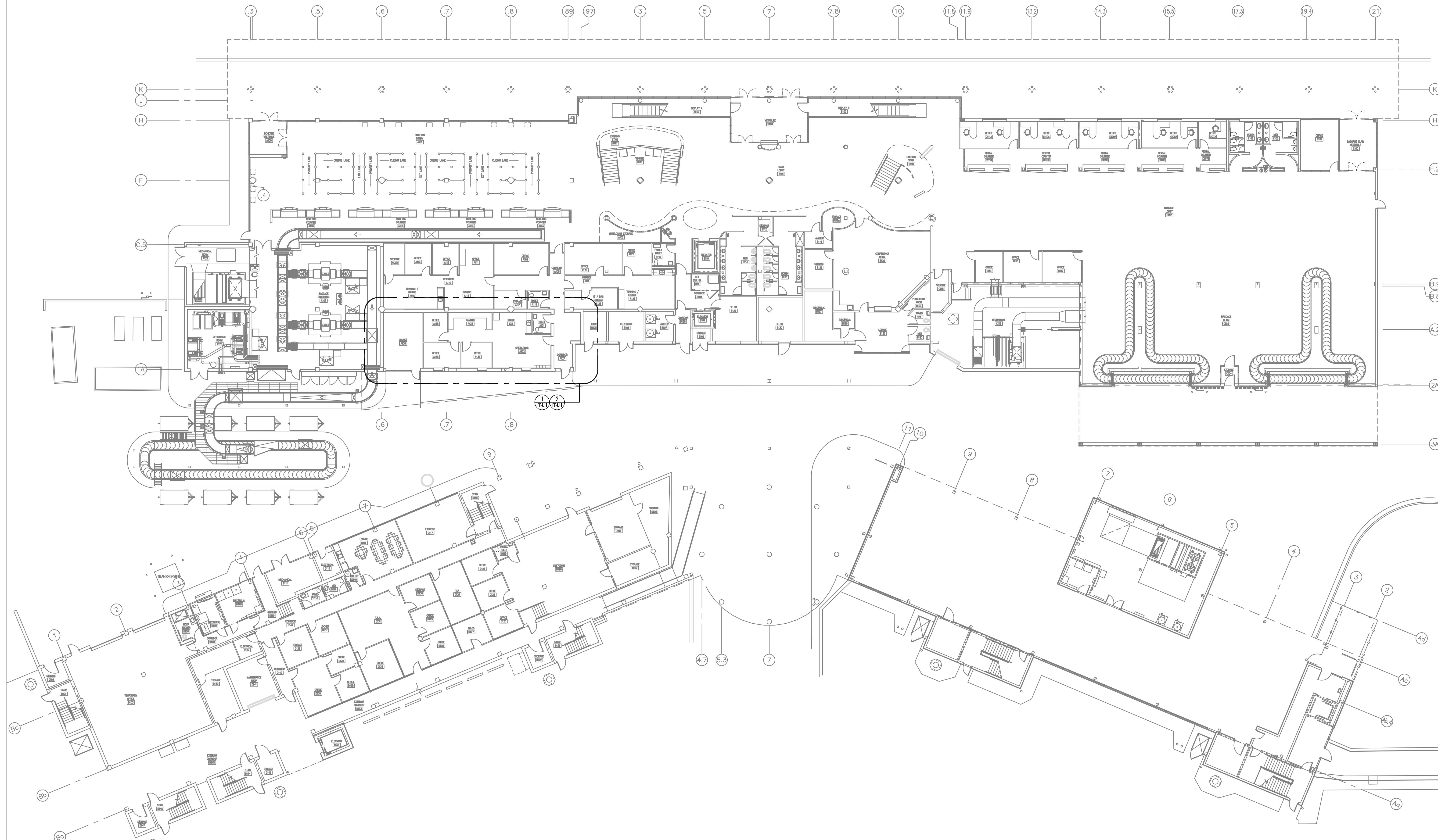
07/31/23

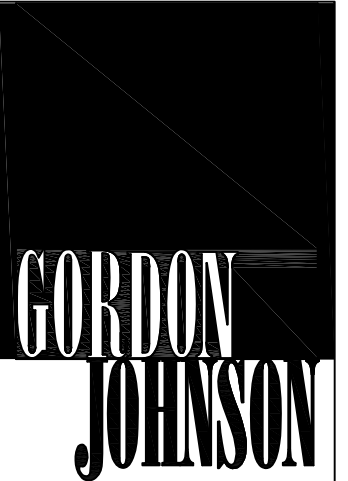
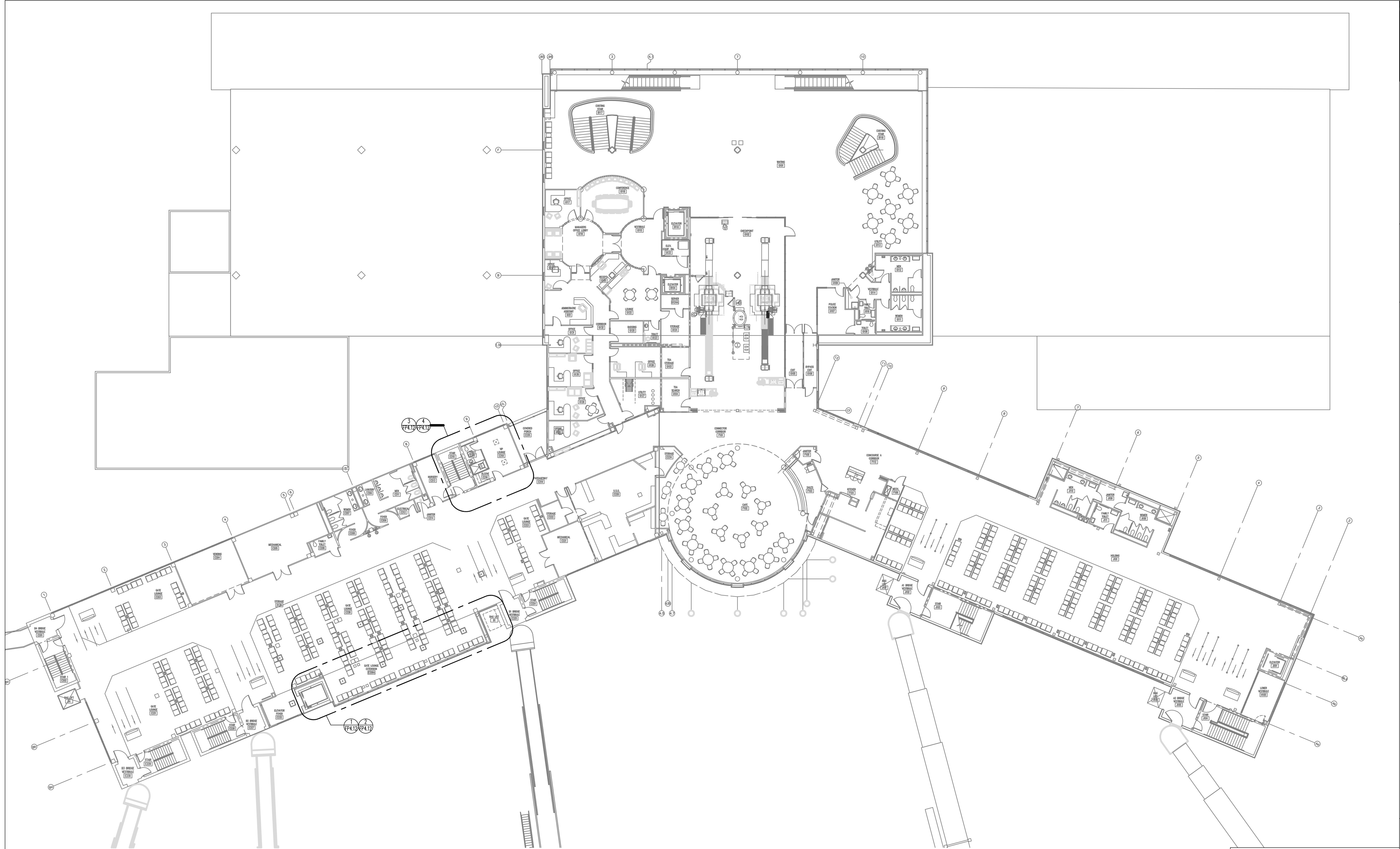
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 FIRE PROTECTION LEGEND, SYMBOLS AND ABBREVIATIONS
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: BMC
 REVIEWED BY: ALM
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

REVISIONS	

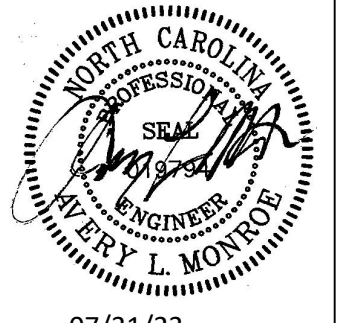
SHEET NUMBER
 FP1.01





Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 E-mail: gordon@gordonjohnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements – Part 3
 SECOND FLOOR OVERALL PLAN

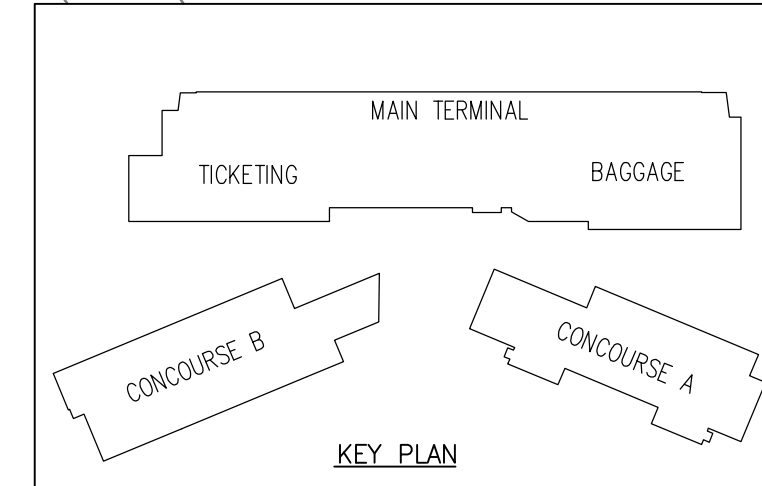
400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: BMC
 REVIEWED BY: ALM
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

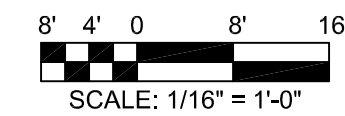
NO.	REVISIONS

NO.	REVISIONS

SHEET NUMBER



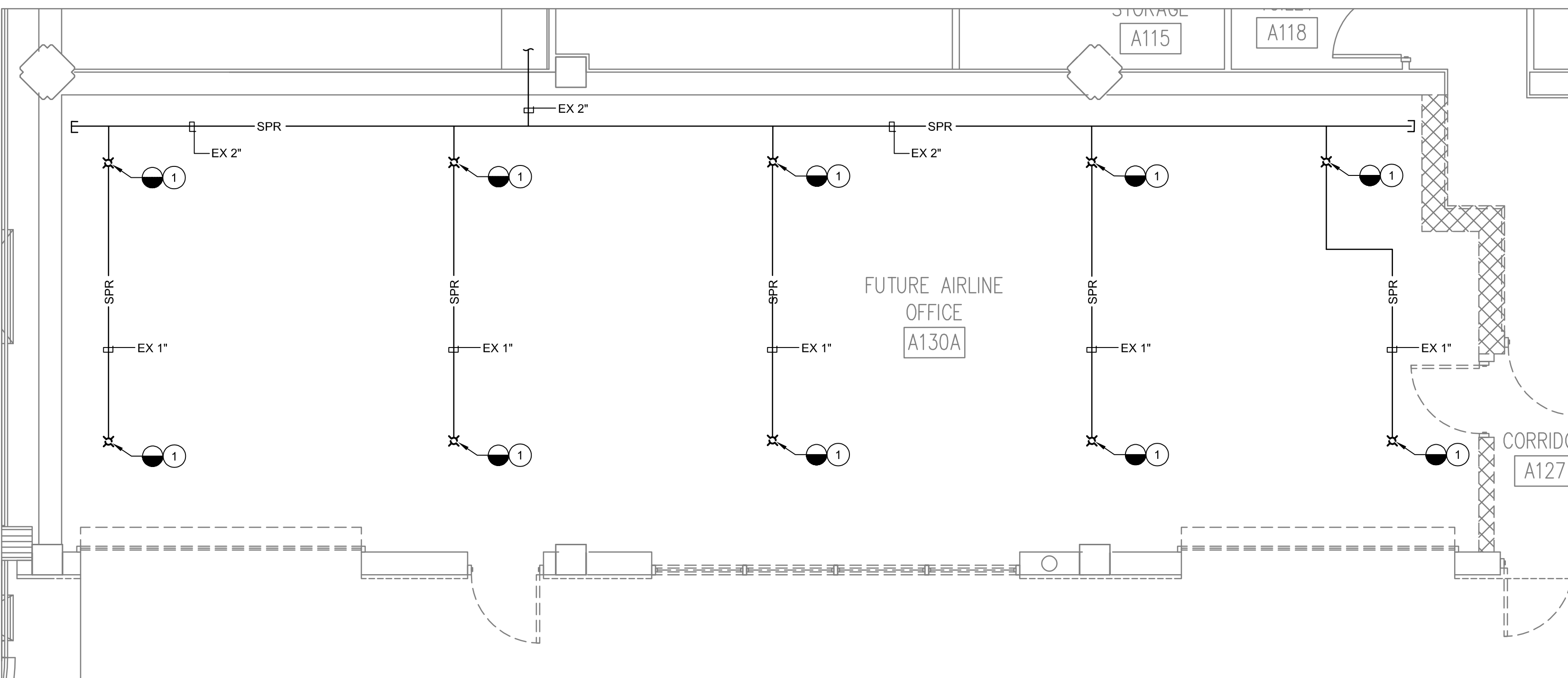
FIRE RATED WALL LEGEND
 - - - - - 1 HOUR FIRE PARTITION
 ———— 1 HOUR FIRE BARRIER



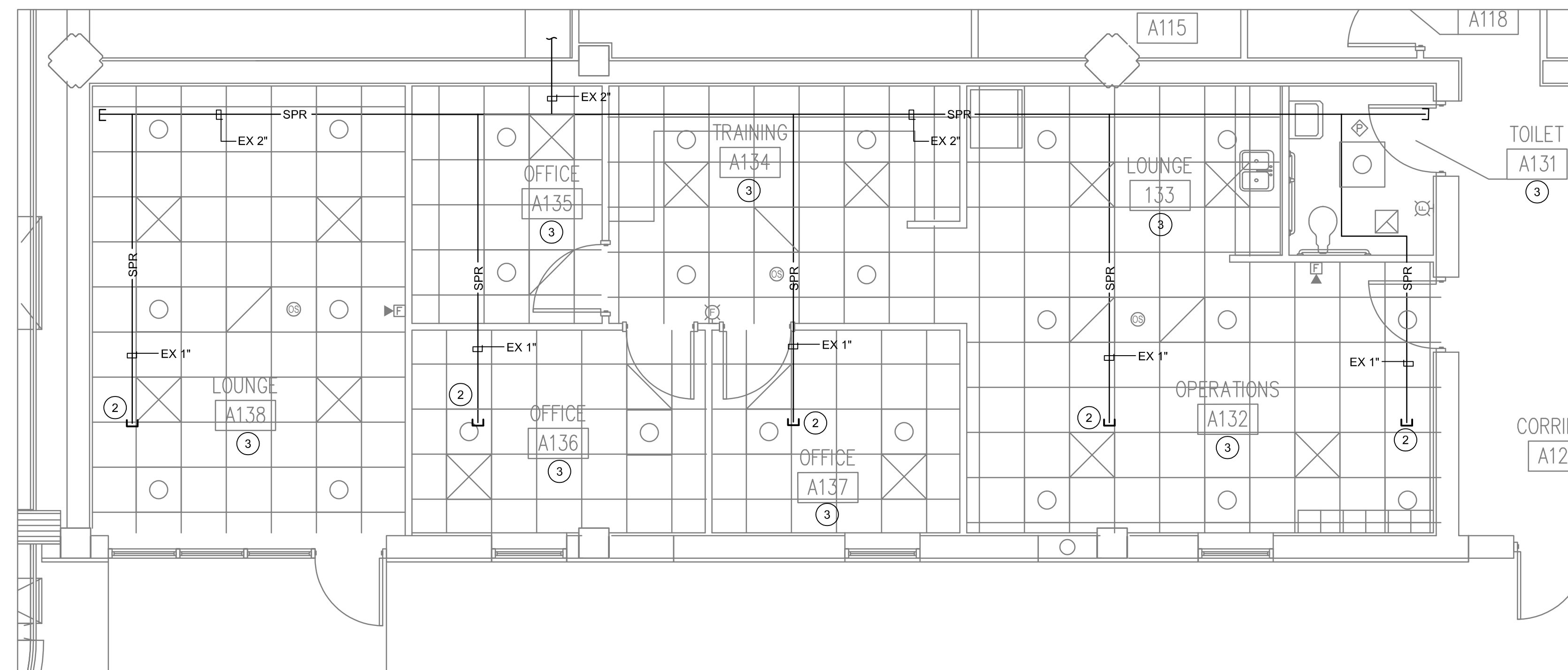
FP1.20

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE AND MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- C. ALL PIPING, SPRINKLERS, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE) SHALL BE REMOVED. ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE OWNER, OR ARE INDICATED TO THE PREMISES BY THE CONTRACTOR WHERE DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.
- D. EXISTING CONDITIONS, I.E., PRESENCE AND LOCATION OF PIPING, SPRINKLERS, EQUIPMENT, AND MATERIALS, INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING, SPRINKLERS, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO STARTING ALL WORK.
- E. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING FIRE PROTECTION WORK IS REMOVED, ALL PIPING, SPRINKLERS AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING PIPING & SPRINKLERS NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK TO THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
- I. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENING AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND DASHED" IS EXISTING AND SHALL BE DEMOLISHED.



AIRLINE OFFICE DEMOLITION PLAN - FIRE PROTECTION
 SCALE: 1/4" = 1'-0"



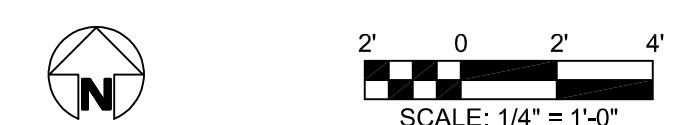
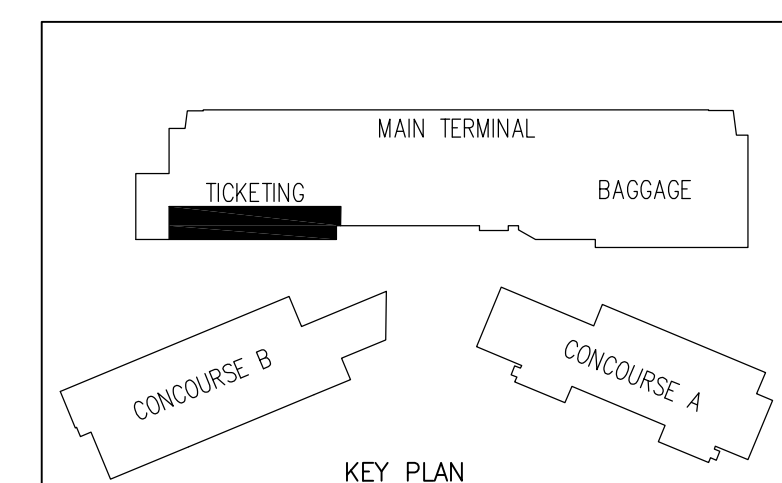
AIRLINE OFFICE NEW WORK PLAN - FIRE PROTECTION
 SCALE: 1/4" = 1'-0"

DRAWING NOTES:

- ① DISCONNECT AND REMOVE EXISTING UPRIGHT SPRINKLER AND ASSOCIATED PIPING BACK TO DISCONNECTION POINT.
- ② CAP OPEN END OF SPRINKLER PIPING IF THE PIPING IS NOT BEING EXTENDED FOR THE NEW SPRINKLER COVERAGE.
- ③ PROVIDE NEW PENDENT SPRINKLERS IN THE SPACE IN ACCORDANCE WITH THE 2013 VERSION OF NFPA-13. CONNECT NEW SPRINKLER PIPING TO THE EXISTING SPRINKLER PIPING SHOWN.

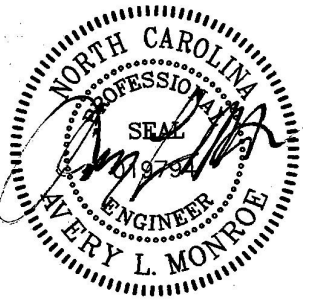
FIRE RATED WALL LEGEND

	1 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER



554 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2886
 Fax: (910) 223-2887
 Email: gordon@gordonjohnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 FIRST FLOOR FIRE PROTECTION ENLARGED PLANS
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: BMC
 REVIEWED BY: ALM
 DATE: 7/31/2023
 PROJECT NO: 02230515.A0
 NOTES:

REVISIONS	

SHEET NUMBER

FP4.11

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE AND MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK

- C. ALL PIPING, SPRINKLERS, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE) SHALL BE REMOVED. ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE OWNER, OR ARE INDICATED TO THE PREMISES BY THE CONTRACTOR WHERE DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.
- D. EXISTING CONDITIONS, I.E., PRESENCE AND LOCATION OF PIPING, SPRINKLERS, EQUIPMENT, AND MATERIALS, INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING, SPRINKLERS, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO STARTING ALL WORK.

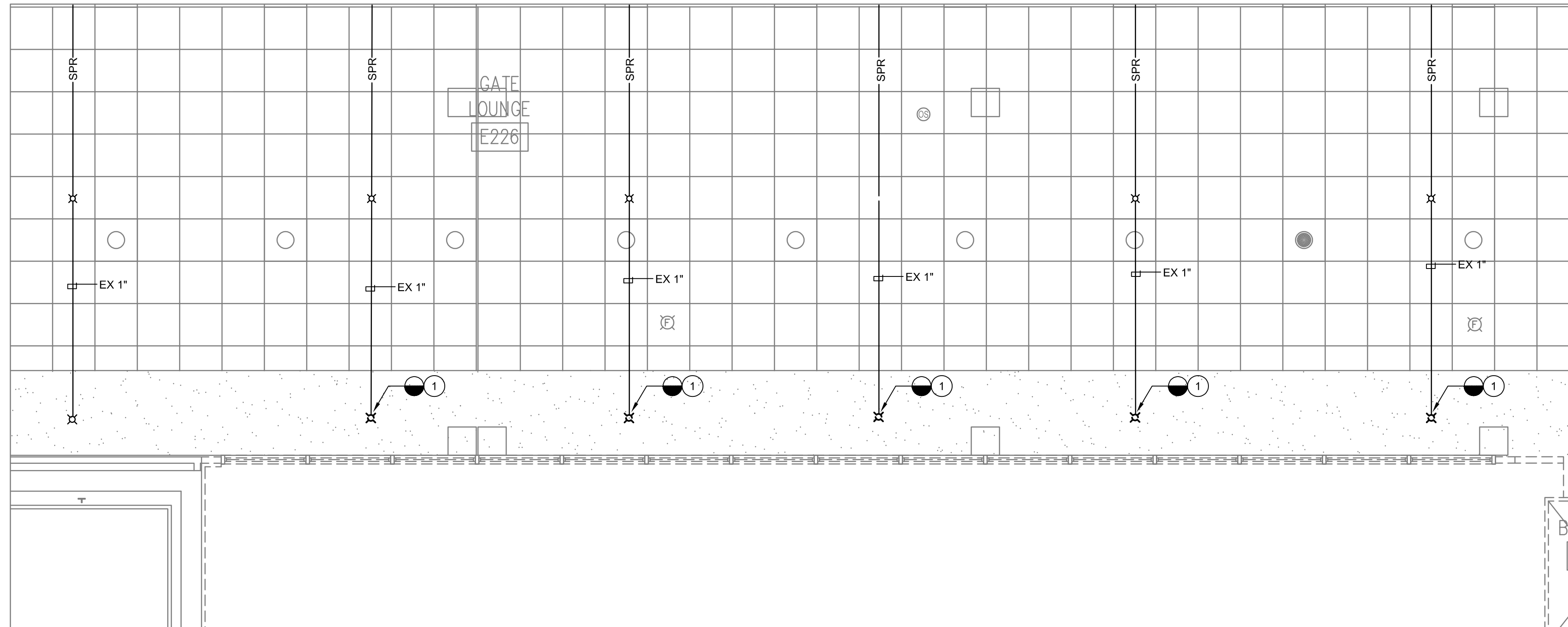
- E. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING FIRE PROTECTION WORK IS REMOVED, ALL PIPING, SPRINKLERS AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING PIPING & SPRINKLERS NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK TO THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..

- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
- I. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENING AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.

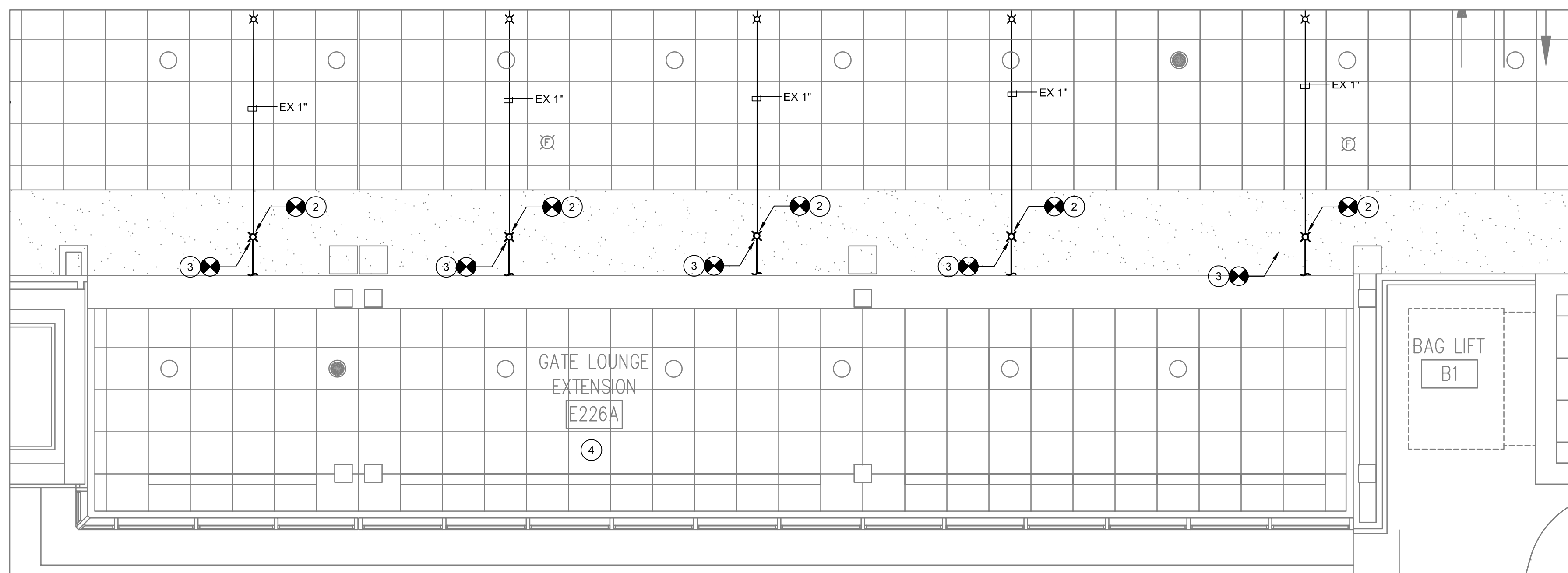
- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND DASHED" IS EXISTING AND SHALL BE DEMOLISHED.

DRAWING NOTES:

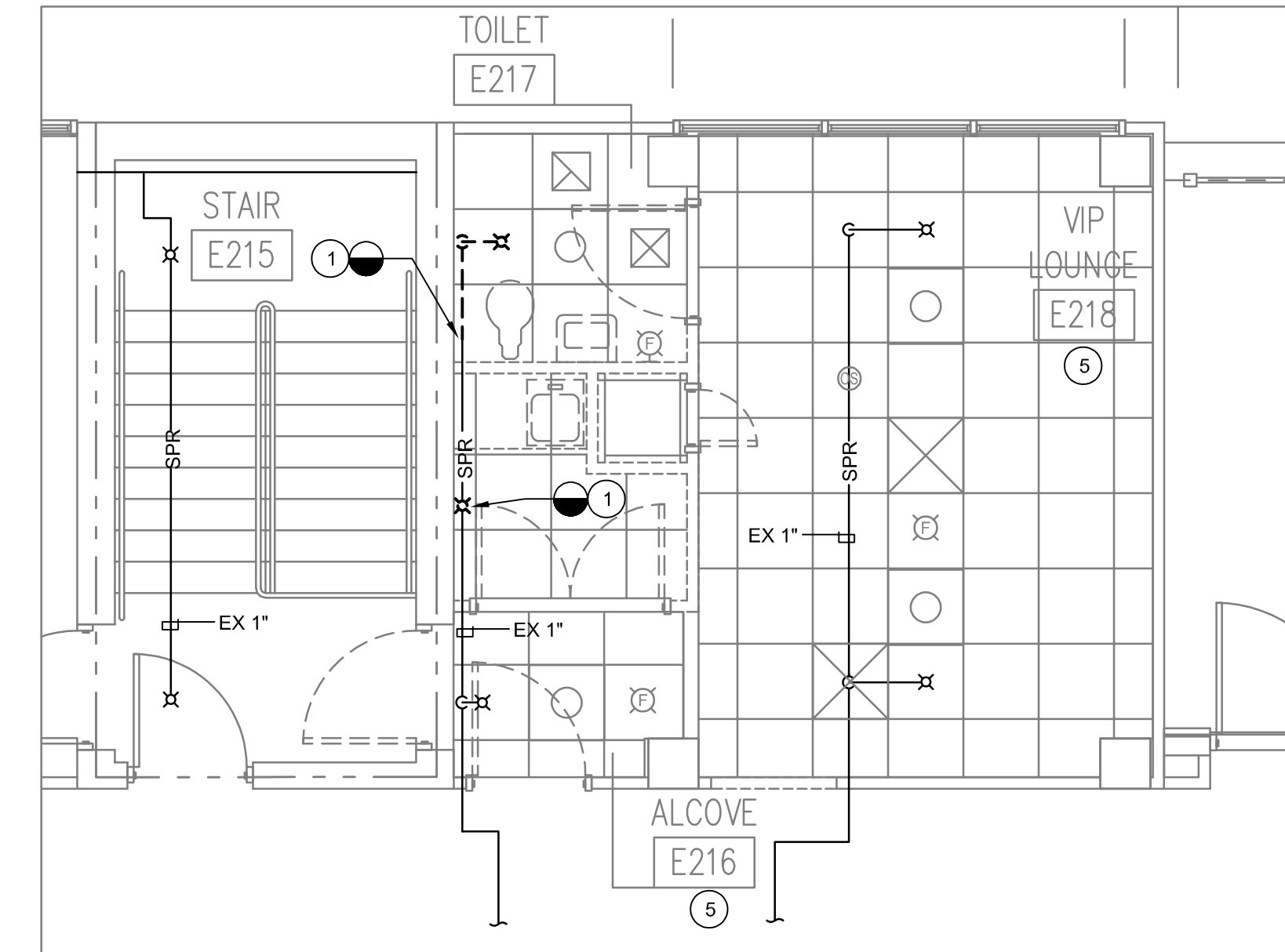
- DISCONNECT AND REMOVE EXISTING PENDENT SPRINKLER FROM EXISTING PIPING.
- PROVIDE NEW PENDENT SPRINKLER IN THE SAME LOCATION AS THE DEMOLISHED SPRINKLER.
- EXTEND EXISTING PIPING AS NEEDED TO PROVIDE SPRINKLER COVERAGE IN THE NEW CONCOURSE EXPANSION, IN ACCORDANCE WITH THE 2013 VERSION OF NFPA-13.
- PROVIDE NEW PENDENT SPRINKLERS IN THE SPACE IN ACCORDANCE WITH THE 2013 VERSION OF NFPA-13.
- NO CEILING CHANGE IN THIS SPACE. EXISTING SPRINKLERS ARE TO REMAIN.



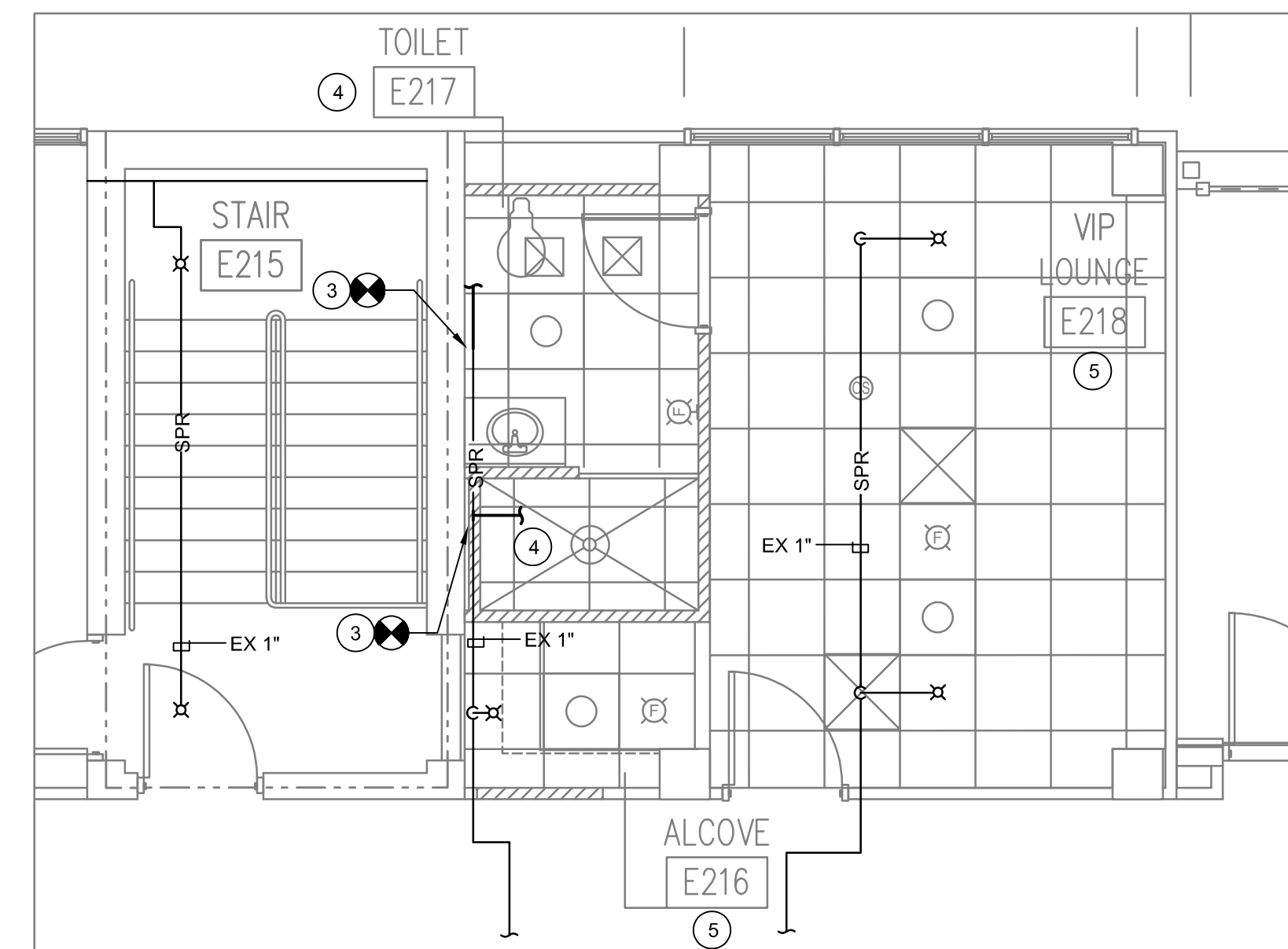
1 GATE EXTENSION DEMOLITION PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



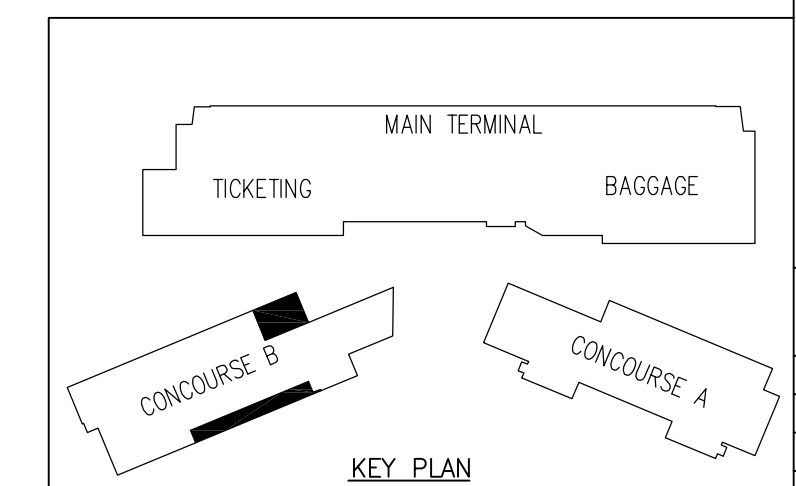
2 GATE EXTENSION NEW WORK PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



3 LOUNGE DEMOLITION PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"

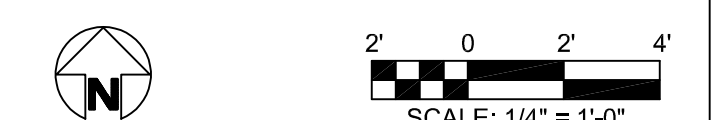


4 LOUNGE NEW WORK PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"



FIRE RATED WALL LEGEND

	1 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER



GORDON JOHNSON
Architecture
654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-mail: gordon@gordonjohnsonarchitecture.com
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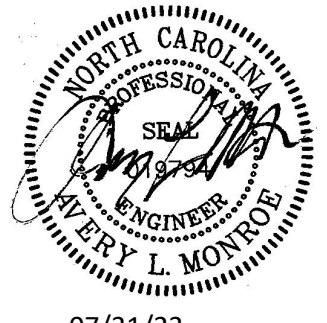
Professional Engineer
North Carolina
Professional Engineer
L. MONTGOMERY
07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
SECOND FLOOR FIRE PROTECTION ENLARGED PLANS
400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO: 02230515.A0
NOTES:

REVISIONS

SHEET NUMBER
FP4.21



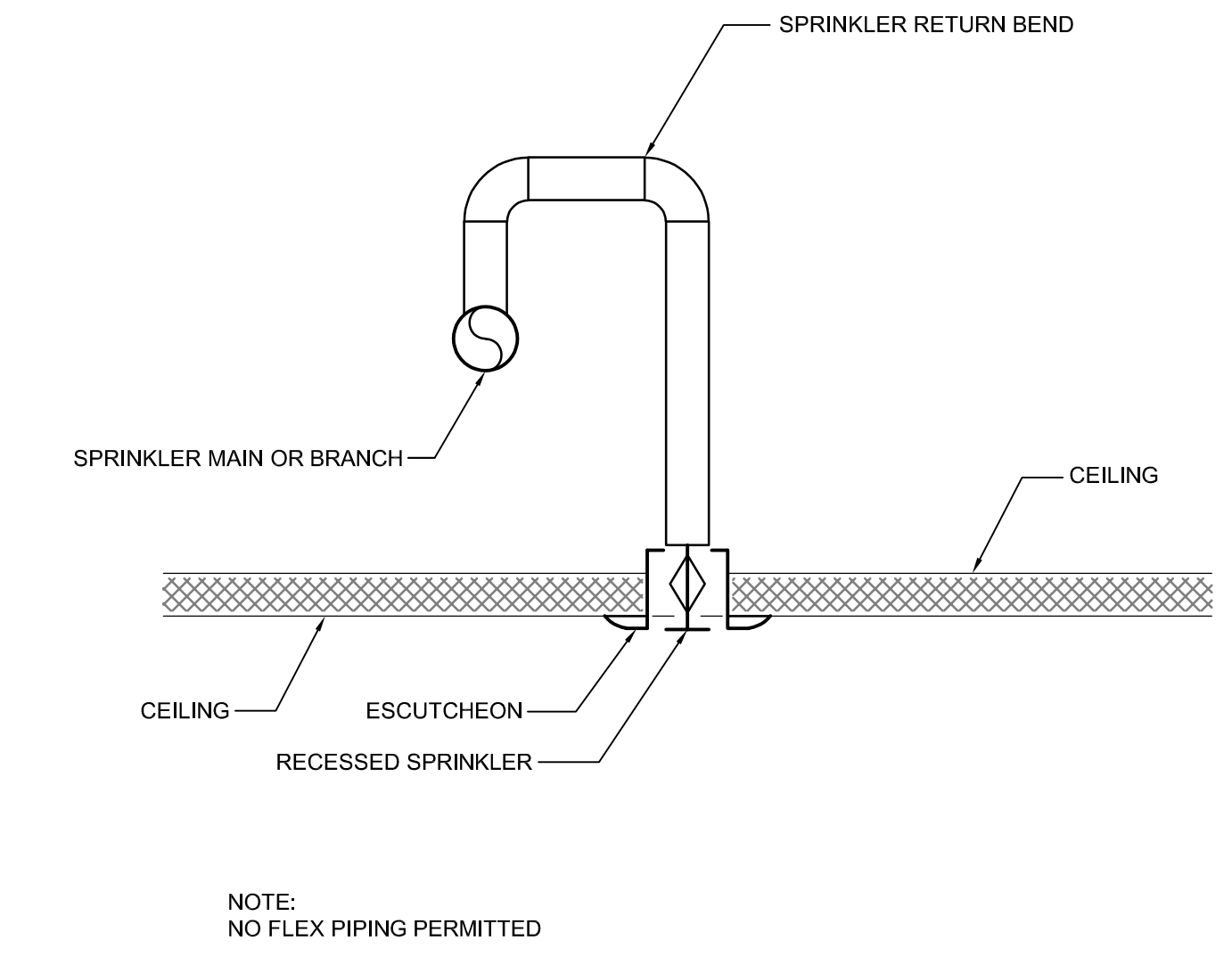
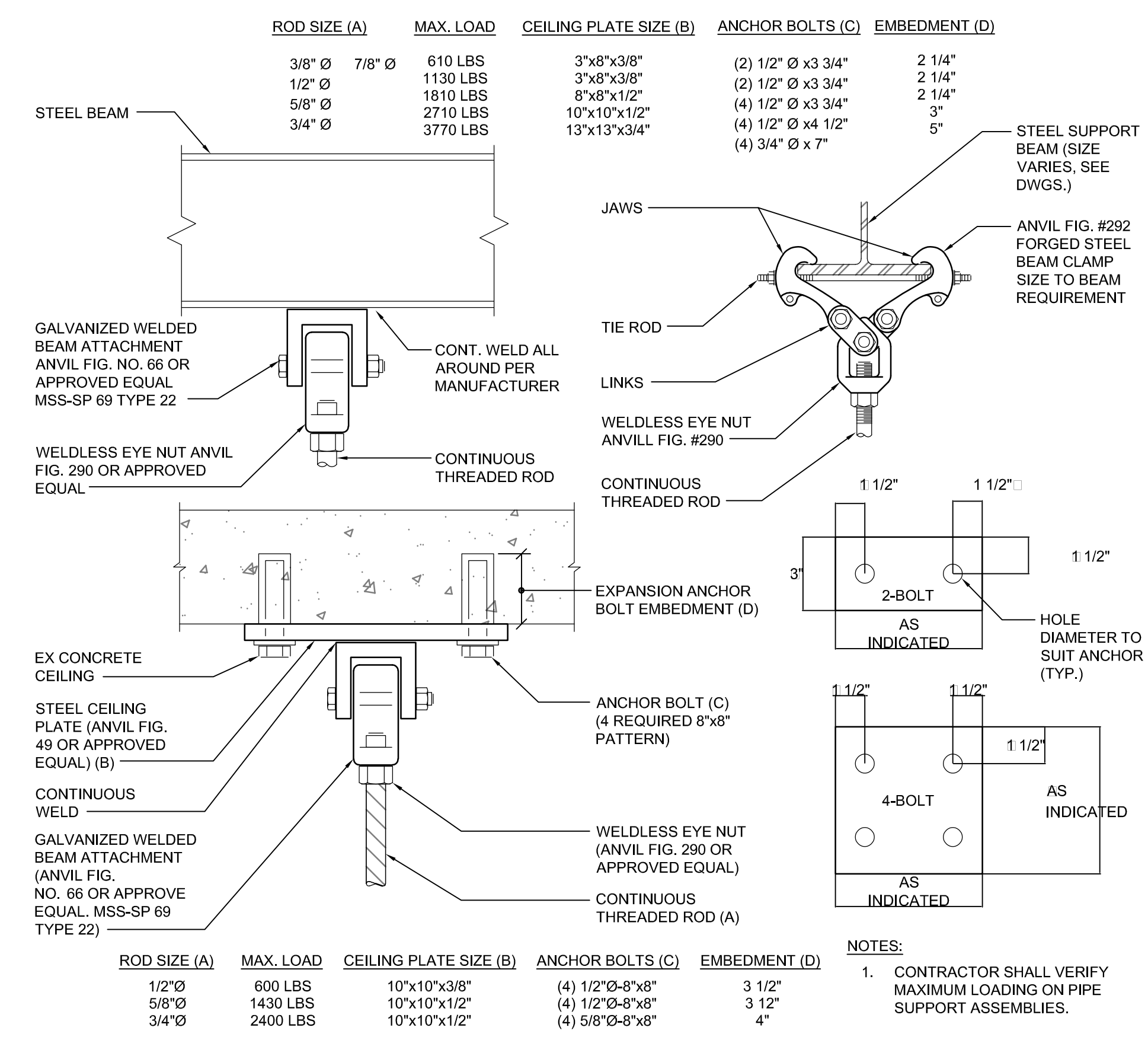
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DRAWN BY: BMC
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DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

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FP5.01



SCALE: NONE

DETAIL - BUILDING ATTACHMENTS

SCALE: NONE

DETAIL - CEILING SPRINKLER

SCALE: NONE

SCALE: NONE

SCALE: NONE

PLUMBING SYMBOLS

GENERAL SYMBOLS

GENERAL ABBREVIATIONS

NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER (POTABLE)
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRCULATION
	SANITARY ABOVE FLOOR
	SANITARY BELOW FLOOR
	VENT

COMPONENTS AND SPECIALTIES

SYMBOL	DESCRIPTION
	CLEAN OUT (WALL/PIPE)
	CLEAN OUT (FLOOR)
	COLD WATER INTERIOR HOSE BIBB
	FLOOR DRAIN
	FLOOR DRAIN WITH TRAP PRIMING LINE
	SHOCK ARRESTER

EQUIPMENT DESIGNATIONS

DESIGNATION	DESCRIPTION
FD-X	FLOOR DRAIN DESIGNATION
P-X	PLUMBING FIXTURE DESIGNATION

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	PIPE DROP
	PIPE RISE
	PIPE CAP
	BRANCH TAKE OFF
	PIPE DROP TEE
	PIPE RISE TEE
	SHUTOFF VALVE

DESIGNATION	DESCRIPTION
	DEMOLITION WORK
	EXISTING WORK
	NEW WORK

REFERENCE SYMBOLS

DESIGNATION	DESCRIPTION
	FLOOR PLAN NUMBER PARTIAL FLOOR PLAN NUMBER ELEVATION = LETTER DETAIL = NUMBER
	SHEET NUMBER ON WHICH THE PARTIAL PLAN, ELEVATION OR DETAIL IS DRAWN
	SHEET NUMBER WHERE PARTIAL PLAN, ELEVATION OR DETAIL IS TAKEN FROM
	NORTH ARROW
	POINT OF CONNECTION TO EXISTING
	POINT OF DISCONNECTION

A	COMPRESSED AIR
AAV	AUTOMATIC AIR VENT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR, AREA DRAIN
AF	ANTIFREEZE
AFF	ABOVE FINISHED FLOOR
AR	ARGON GAS
ATC	AUTOMATIC TEMPERATURE CONTROL

BAS	BUILDING AUTOMATION SYSTEM
BBD	BOILER BLOWDOWN
BCWR	BEARING COOLING WATER RETURN
BCWS	BEARING COOLING WATER SUPPLY
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR

°C	DEGREE(S) CELSIUS
CA	CONTROL AIR
CBD	CONTINUOUS BLOWDOWN
CC	CAMPUS CONDENSATE
CCMS	CENTRAL CONTROL AND MONITORING SYSTEM
CD	CONDENSATE DRAIN
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEANOUT
CO2	CARBON DIOXIDE
CS	CLEAN STEAM
CW	COLD WATER, CITY WATER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY

D	DEEP, DRAIN WATER
DB	DECIBEL, DRY BULB
DDC	DIRECT DIGITAL CONTROL
DHR	DISTRIBUTION HEATING WATER RETURN
DHS	DISTRIBUTION HEATING WATER SUPPLY
DIR	DEIONIZED WATER RETURN
DIS	DEIONIZED WATER SUPPLY
DL	DOOR LOUVER
DN	DOWN
DSP	DRY SPRINKLER PIPE
DTR	DUAL TEMPERATURE RETURN
DTS	DUAL TEMPERATURE SUPPLY
DW	DISTILLED WATER

EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EJ	EXPANSION JOINT
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
ETC	ETCETERA
EVAC	GAS EVACUATION
EW	ENTERING WATER TEMPERATURE
EX	EXISTING

°F	DEGREE(S) FAHRENHEIT
F	FIRE LINE
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER, FOUNDATION DRAIN
FDV	FIRE DEPARTMENT VALVE
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FIN/FT	FINS PER FEET
FIN/INCH	FINS PER INCH
FM	FLOWMETER
FMF	FLOWMETER FITTING
FOF	FUEL OIL FILL
FOO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY

FOT	FUEL OIL TRANSFER
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FT	FOOT, FEET
FWR	FEED WATER RETURN
FWS	FEED WATER SUPPLY

G	NATURAL GAS
GHR	GLYCOL HEATING RETURN
GHS	GLYCOL HEATING SUPPLY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	AUTOMOTIVE LUBRICATION PIPING

H	HIGH
HB	HOSE BIBB
HED	HOSE END DRAIN VALVE
HP	HORSEPOWER
HPR	HIGH PRESSURE STEAM RETURN
HPS	HIGH PRESSURE STEAM SUPPLY
HR	HEATING WATER RETURN
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HS	HEATING WATER SUPPLY
HT	HEIGHT
HTHR	HIGH TEMPERATURE HEATING WATER RETURN
HTHS	HIGH TEMPERATURE HEATING WATER SUPPLY
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
HZ	HERTZ

IA	INSTRUMENT AIR
ICW	INDUSTRIAL COLD WATER
IHW	INDUSTRIAL HOT WATER
IHR	INDUSTRIAL HOT WATER RECIRCULATION
IN	INCH, INCHES
INV EL	INVERT ELEVATION

KW	KILOWATTS
----	-----------

L	LONG, LENGTH
LA	LABORATORY AIR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LN	LIQUID NITROGEN
LP	LIQUID PROPANE
LPG	LIQUID PETROLEUM GAS
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
LV	LABORATORY VENT, LABORATORY VACUUM
LW	LABORATORY WASTE
LWT	LEAVING WATER TEMPERATURE

MA	MEDICAL AIR
MAV	MANUAL AIR VENT
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCC	MOTOR CONTROL CENTER
MO	MOTOR OIL PIPING
MOD	MOTOR OPERATED DAMPER
MPR	MEDIUM PRESSURE STEAM RETURN
MPS	MEDIUM PRESSURE STEAM SUPPLY
MV	MEDICAL VACUUM

N	NITROGEN
NA	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN, NITROUS OXIDE
NPSH	NET POSITIVE SUCTION HEAD

O	OXYGEN
OA	OUTSIDE AIR
OD	OVERFLOW DRAIN

OED	OPEN ENDED DUCT
OS&Y	OUTSIDE STEM AND YOKE

P&ID	PROCESS AND INSTRUMENTATION DIAGRAM
PA	PLANT AIR
PC	PUMPED CONDENSATE
PCR	PUMPED CONDENSATE RECIRCULATION
PCHR	PRIMARY CHILLED WATER RETURN
PCHS	PRIMARY CHILLED WATER SUPPLY
PCWR	PROCESS COOLING WATER RETURN
PCWS	PROCESS COOLING WATER SUPPLY
PD	PRESSURE DROP, PUMP DISCHARGE
PGR	PROCESS GLYCOL WATER RETURN
PGS	PROCESS GLYCOL WATER SUPPLY
PH	PHASE
PHR	PRIMARY HEATING RETURN
PHS	PRIMARY HEATING SUPPLY
PIV	POST INDICATING VALVE
PPH	POUNDS PER HOUR
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE

RA	RETURN AIR, RELIEF AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RHR	REHEAT WATER RETURN
RHS	REHEAT WATER SUPPLY
RL	REFRIGERANT LIQUID
ROR	REVERSE OSMOSIS WATER RETURN
ROS	REVERSE OSMOSIS WATER SUPPLY
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RV	RELIEF VENT, REFRIGERANT VENT
RX	REMOVE EXISTING

SA	SUPPLY AIR
SAN	SANITARY, SOIL, WASTE
SCHR	SECONDARY CHILLED WATER RETURN
SCHS	SECONDARY CHILLED WATER SUPPLY
SD	STORM DRAIN, SMOKE DETECTOR
SF	SQUARE FOOT
SHR	SECONDARY HEATING WATER RETURN
SHS	SECONDARY HEATING WATER SUPPLY
SL	SOUND LINING
SP	STATIC PRESSURE
SPR	SPRINKLER LINE
SS	STAINLESS STEEL
SQ FT	SQUARE FOOT
SW	SOFT WATER

ΔT	TEMPERATURE DIFFERENCE
TS	TAMPER SWITCH
TSP	TOTAL STATIC PRESSURE
TWR	TEMPERED WATER RETURN
TWS	TEMPERED WATER SUPPLY
TW	TREATED WATER
TYP	TYPICAL
UCD	UNDERCUT DOOR
UL	UNDERWRITERS LABORATORIES
V	VACUUM, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VPD	VACUUM PUMP DISCHARGE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF

W	WATTS, WIDE
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WH	WALL HYDRANT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2186
E-mail: gordon@johnsonarchitecture.com
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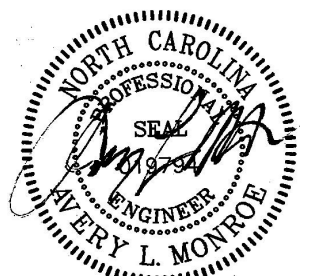
07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
PLUMBING LEGEND, SYMBOLS AND ABBREVIATIONS
400 Airport Road
Fayetteville, North Carolina 28306

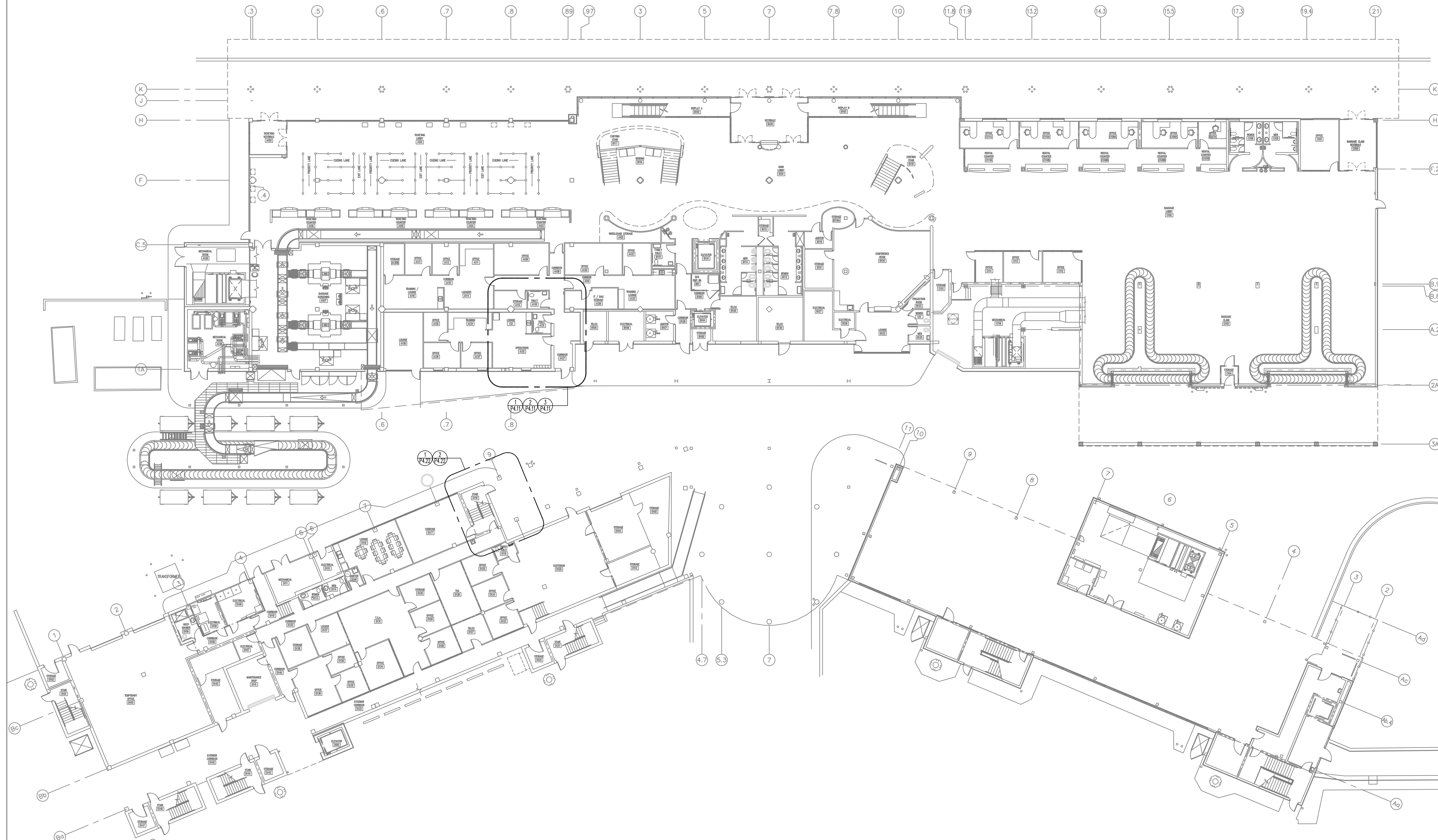
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REVIEWED BY:	ALM
DATE:	7/31/2023
PROJECT NO.:	02230515.A0
NOTES:	

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P0.01



07/31/23



Fayetteville Regional Airport Airline Terminal Improvements – Part 3
FIRST FLOOR OVERALL PLAN

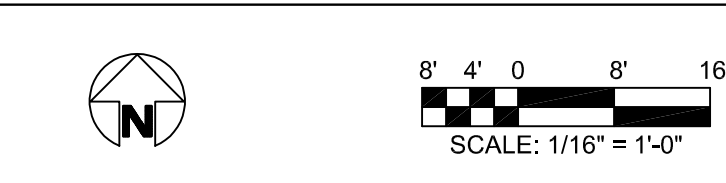
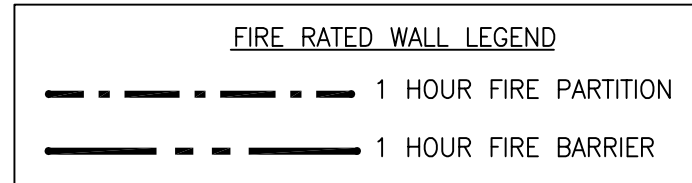
400 Airport Road
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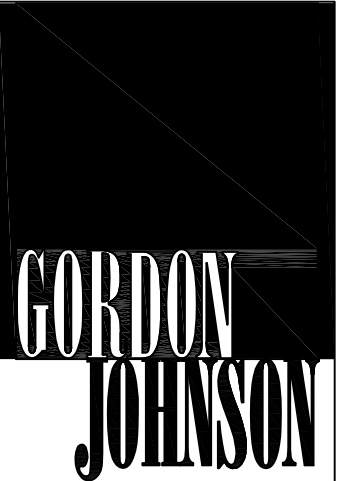
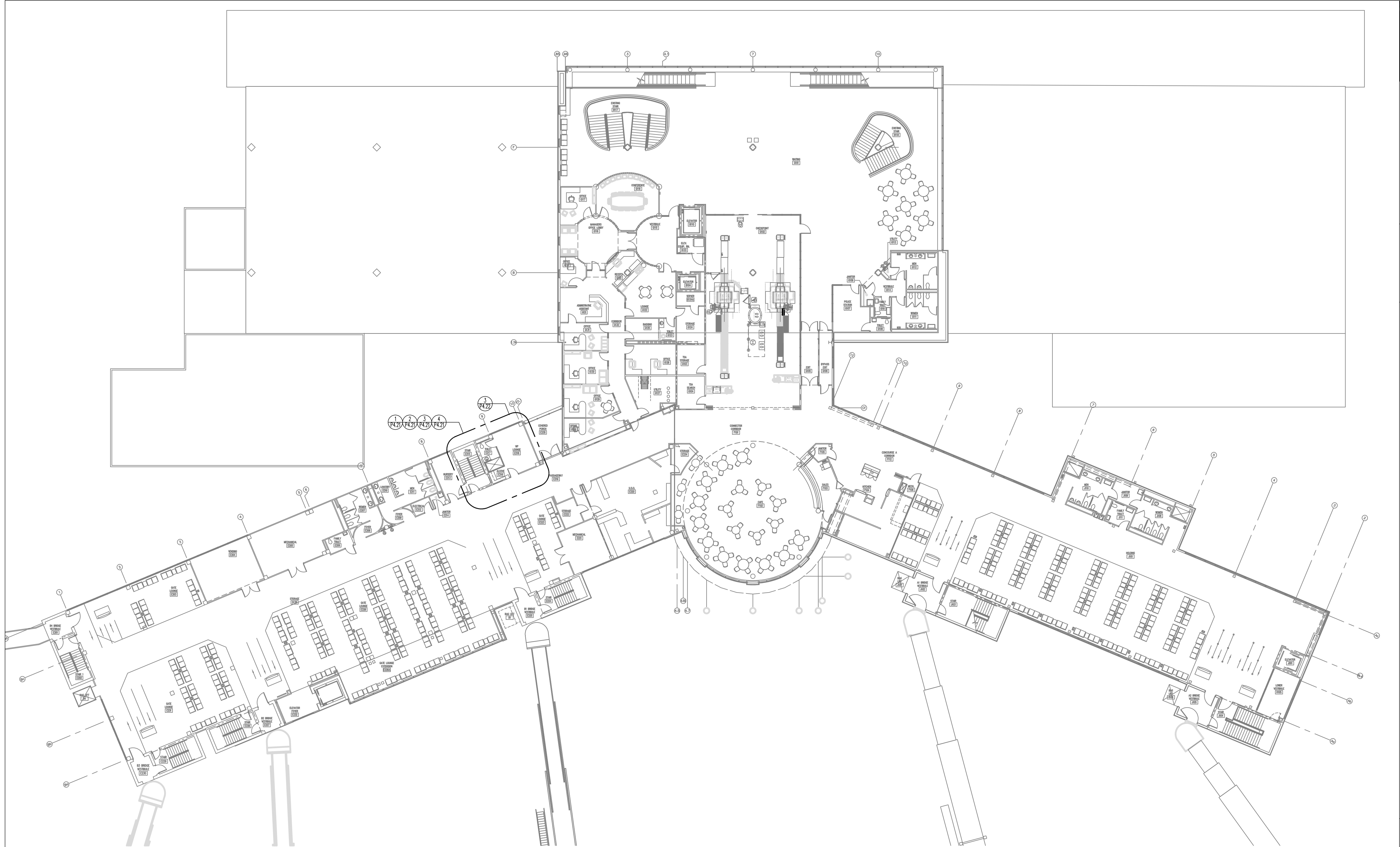
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DATE: 7/31/2023
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NOTES:

NO.	REVISIONS

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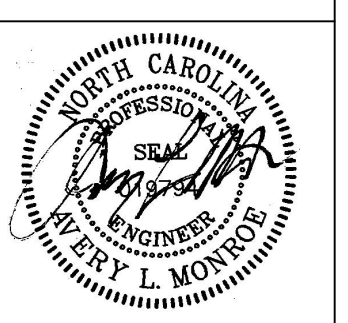
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P1.10





**GORDON
JOHNSON**
Architecture
654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-Mail: gordon@gordonjohnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements – Part 3
SECOND FLOOR OVERALL PLAN

400 Airport Road
Fayetteville, North Carolina 28306

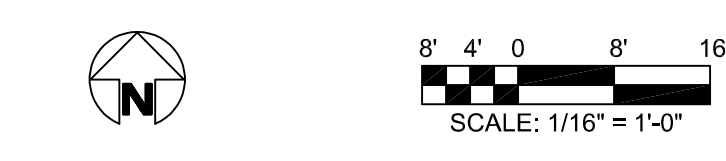
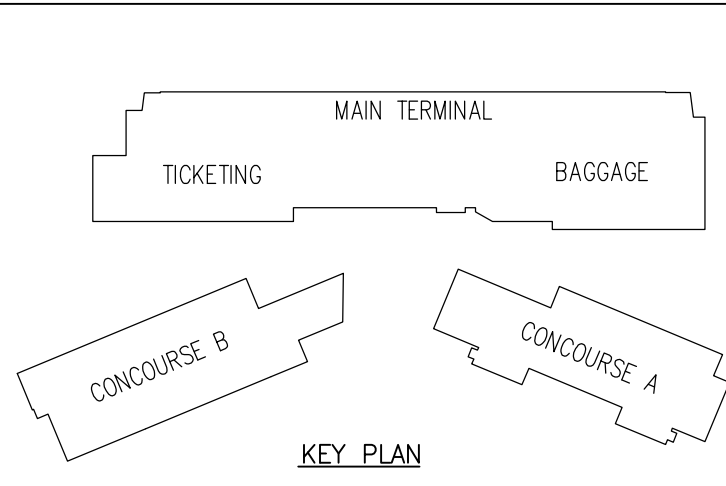
DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
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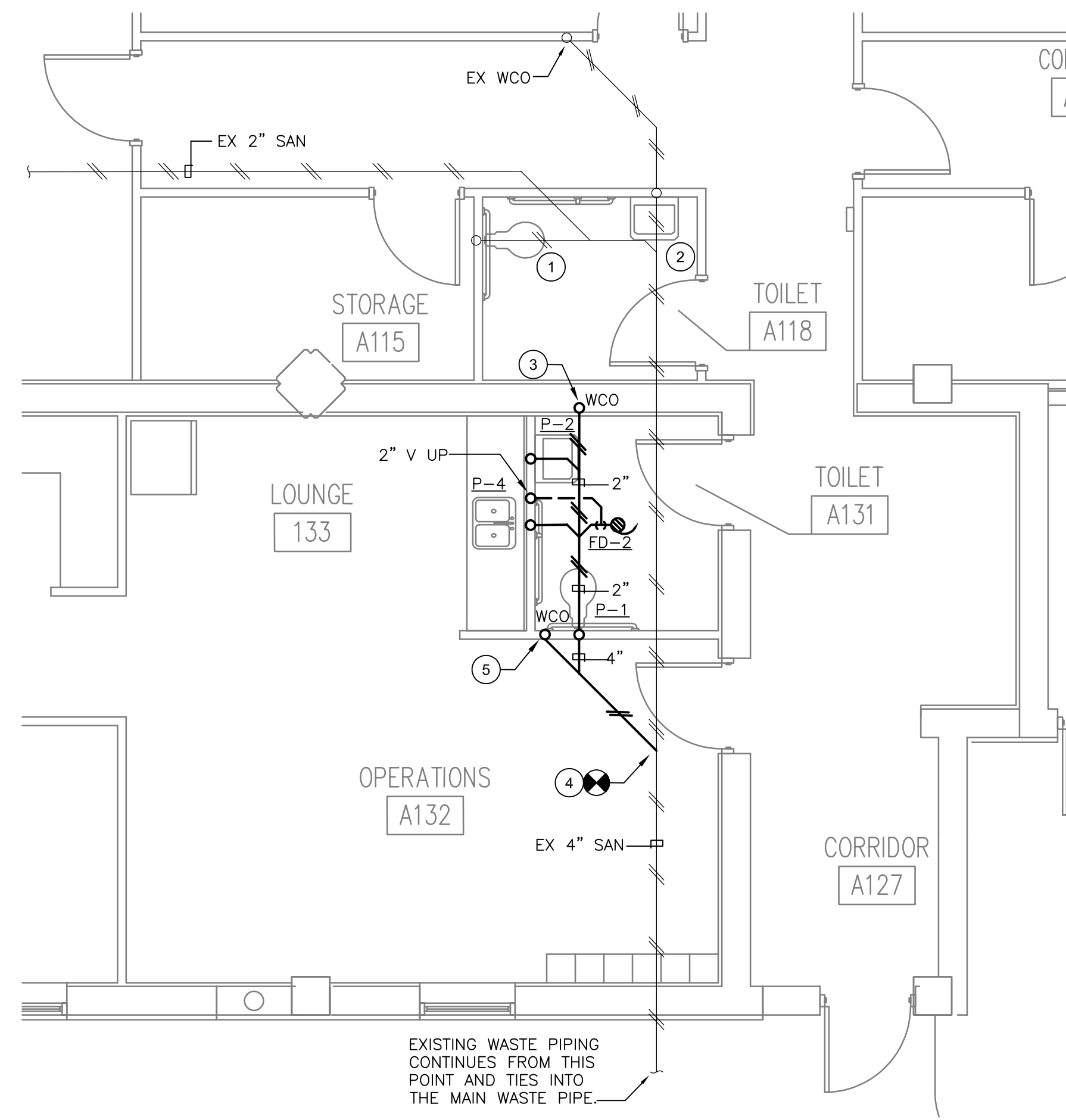
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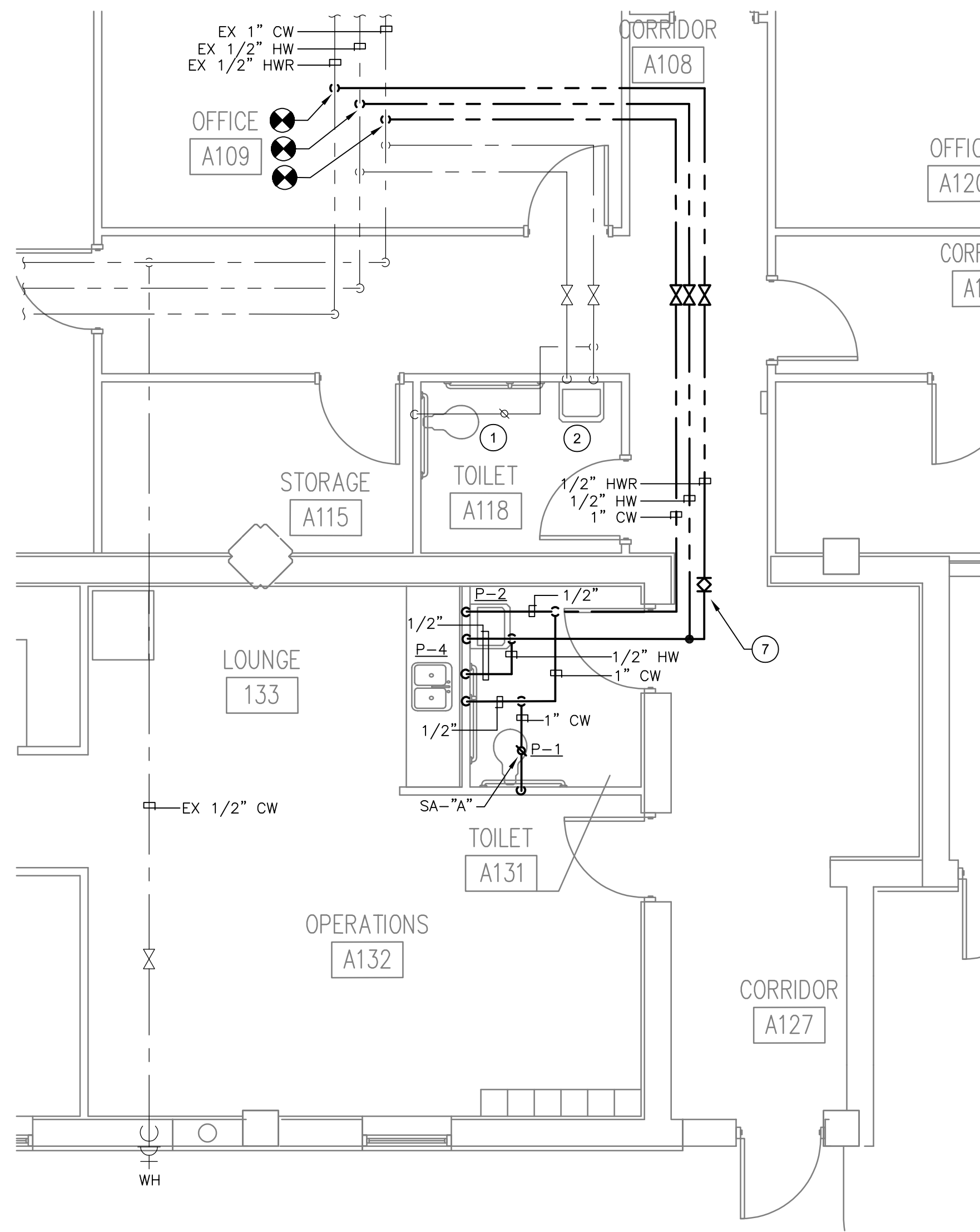
P1.20

FIRE RATED WALL LEGEND
 - - - - - 1 HOUR FIRE PARTITION
 ———— 1 HOUR FIRE BARRIER

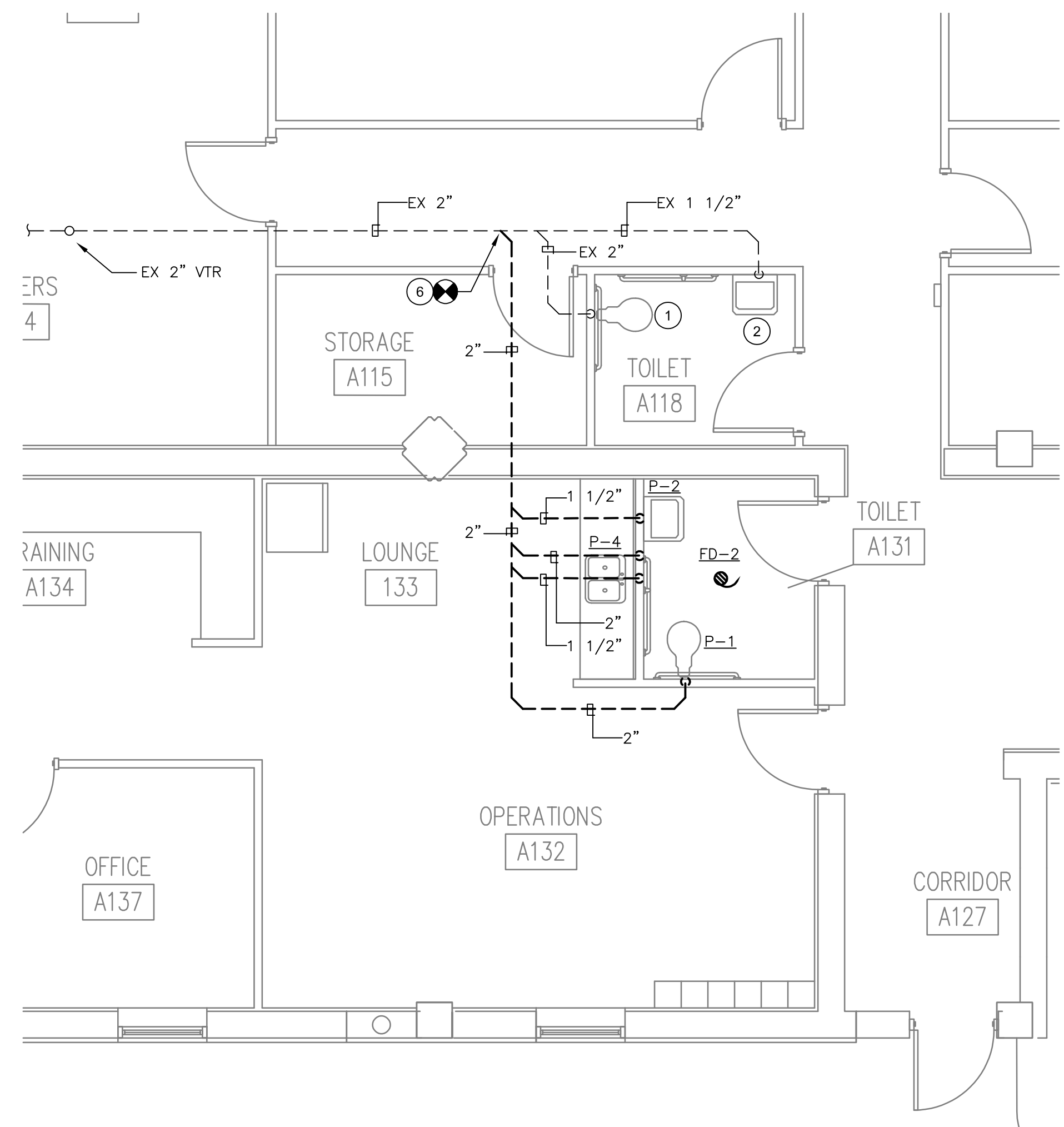




1 AIRLINE OFFICE NEW WORK PLAN - WASTE & VENT
 SCALE: 1/4" = 1'-0"



3 AIRLINE OFFICE NEW WORK PLAN - DOMESTIC WATER
 SCALE: 1/4" = 1'-0"



3 AIRLINE OFFICE NEW WORK PLAN - VENT
 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

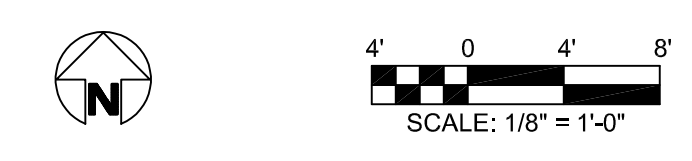
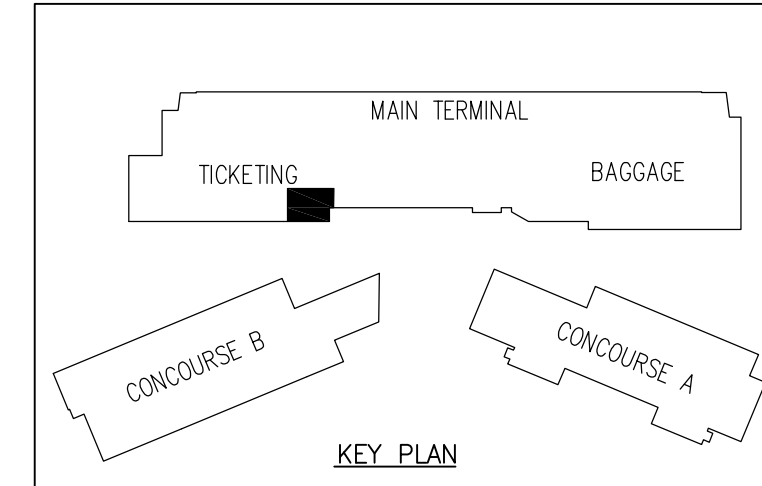
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- F. WHEN EXISTING PLUMBING WORK IS REMOVED, ALL PIPING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING FIXTURES & PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
- I. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENING AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND HATCHED" IS EXISTING AND SHALL BE DEMOLISHED.
- K. ALL WASTE AND VENT PIPING SHOWN IN VIEW P4.11/1 IS BELOW GRADE.
- L. EXISTING STORM PIPING IS SHOWN FOR COORDINATION.

DRAWING NOTES:

- ① WATER CLOSET IS EXISTING TO REMAIN.
- ② LAVATORY IS EXISTING TO REMAIN.
- ③ EXTEND 2" WASTE PIPING UP AND PROVIDE WALL CLEANOUT.
- ④ CONNECT NEW 4" WASTE PIPING TO EXISTING 4" WASTE PIPING.
- ⑤ EXTEND 4" WASTE PIPING UP AND PROVIDE WALL CLEANOUT.
- ⑥ CONNECT NEW 2" VENT BRANCH PIPING TO EXISTING 2" VENT MAIN.
- ⑦ 1/2" BALANCING VALVE. SE TO 0.5 GPM.

FIRE RATED WALL LEGEND

---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



DRAWN BY: BMC
 REVIEWED BY: ALM
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

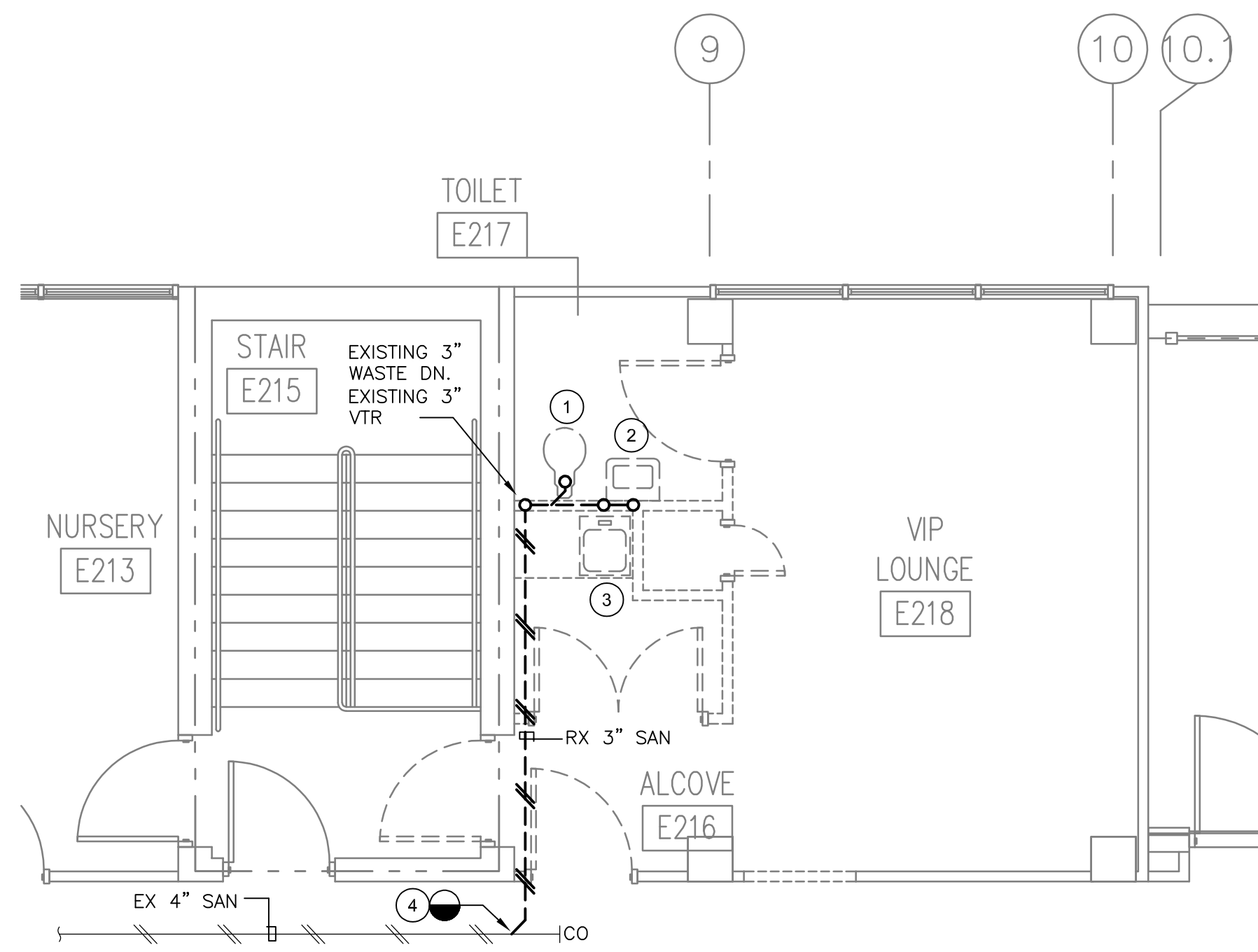
REVISIONS

SHEET NUMBER
P4.11

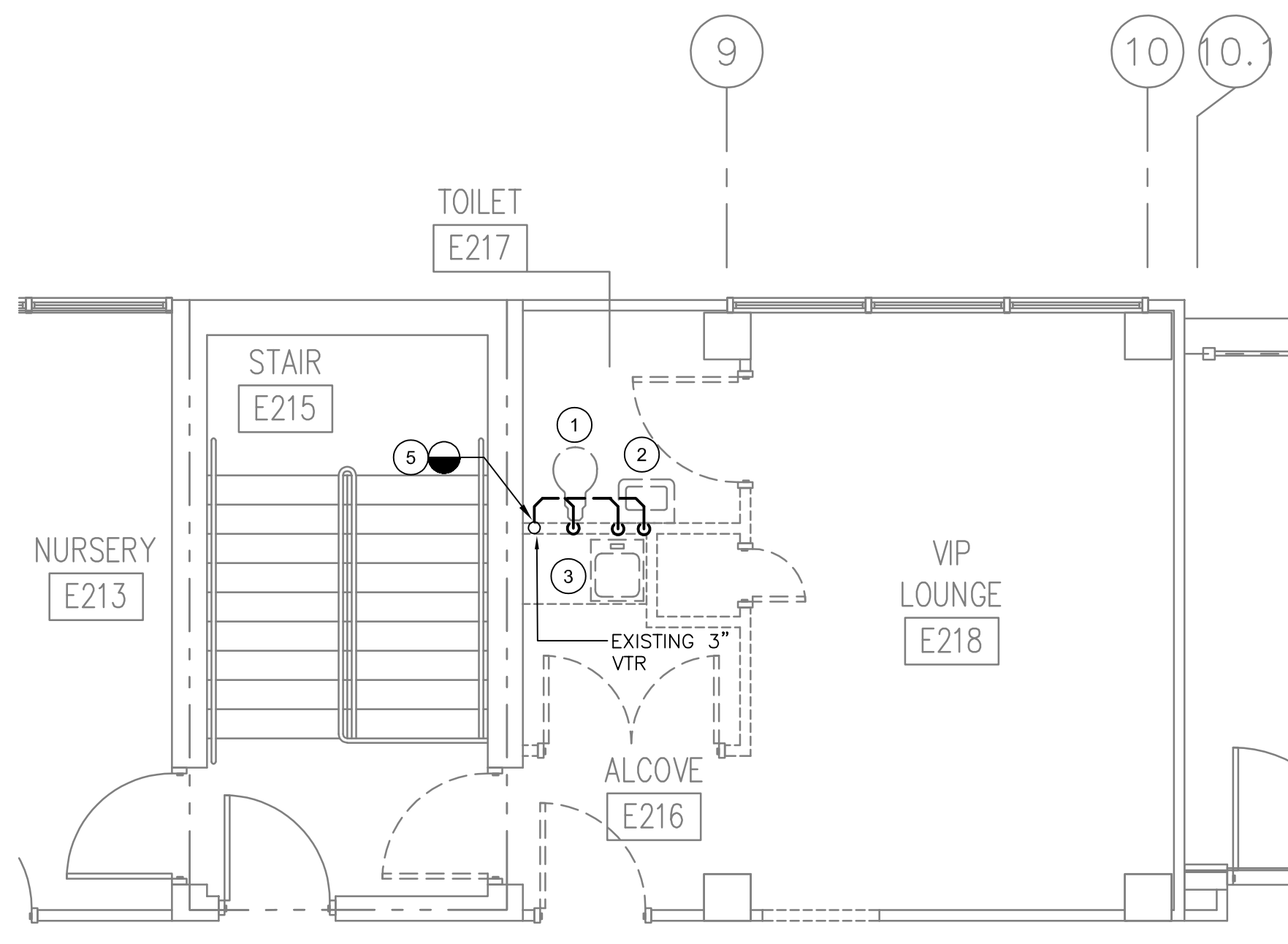
GORDON JOHNSON
 Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2188
 Email: gordon@johnsonarchitecture.com
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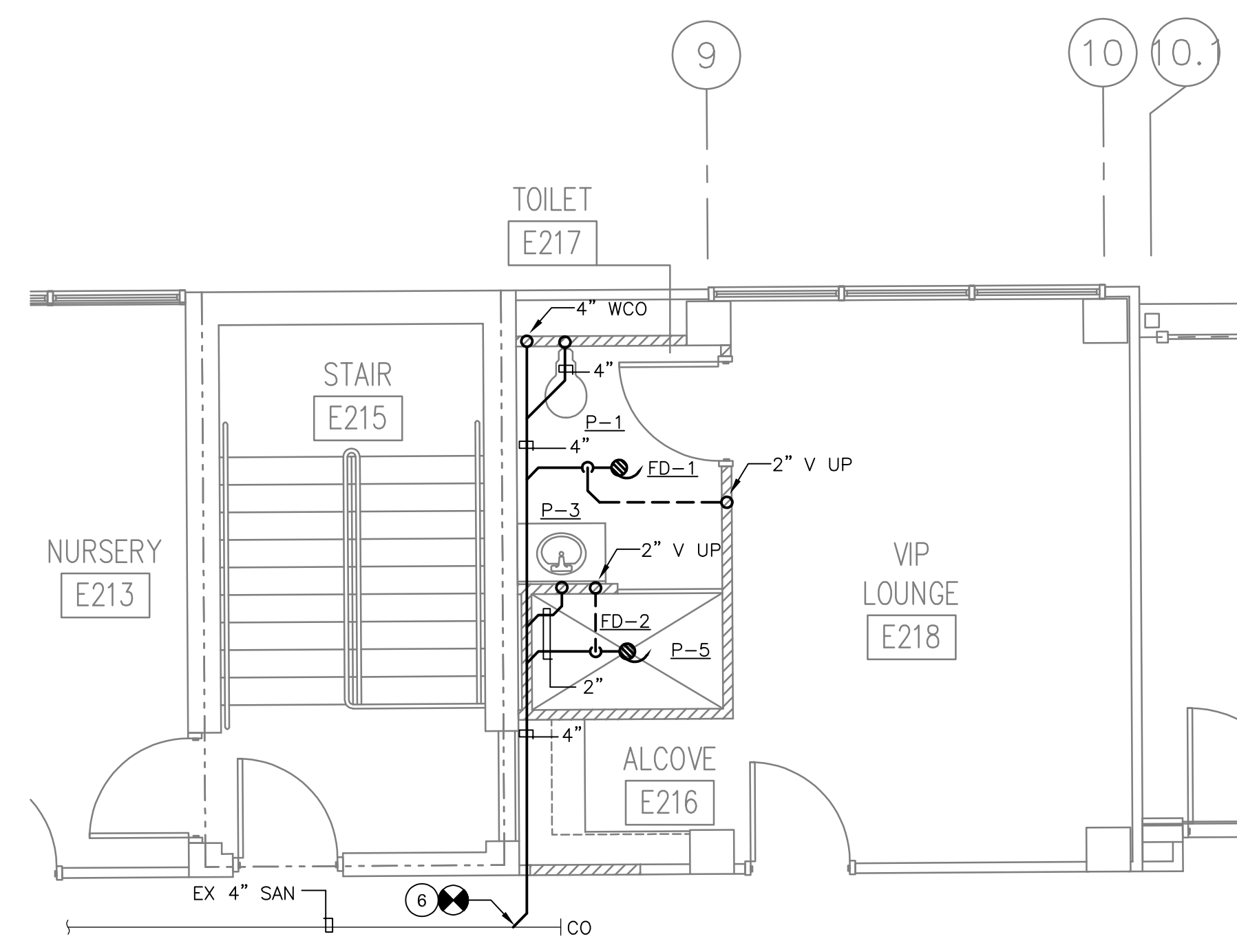
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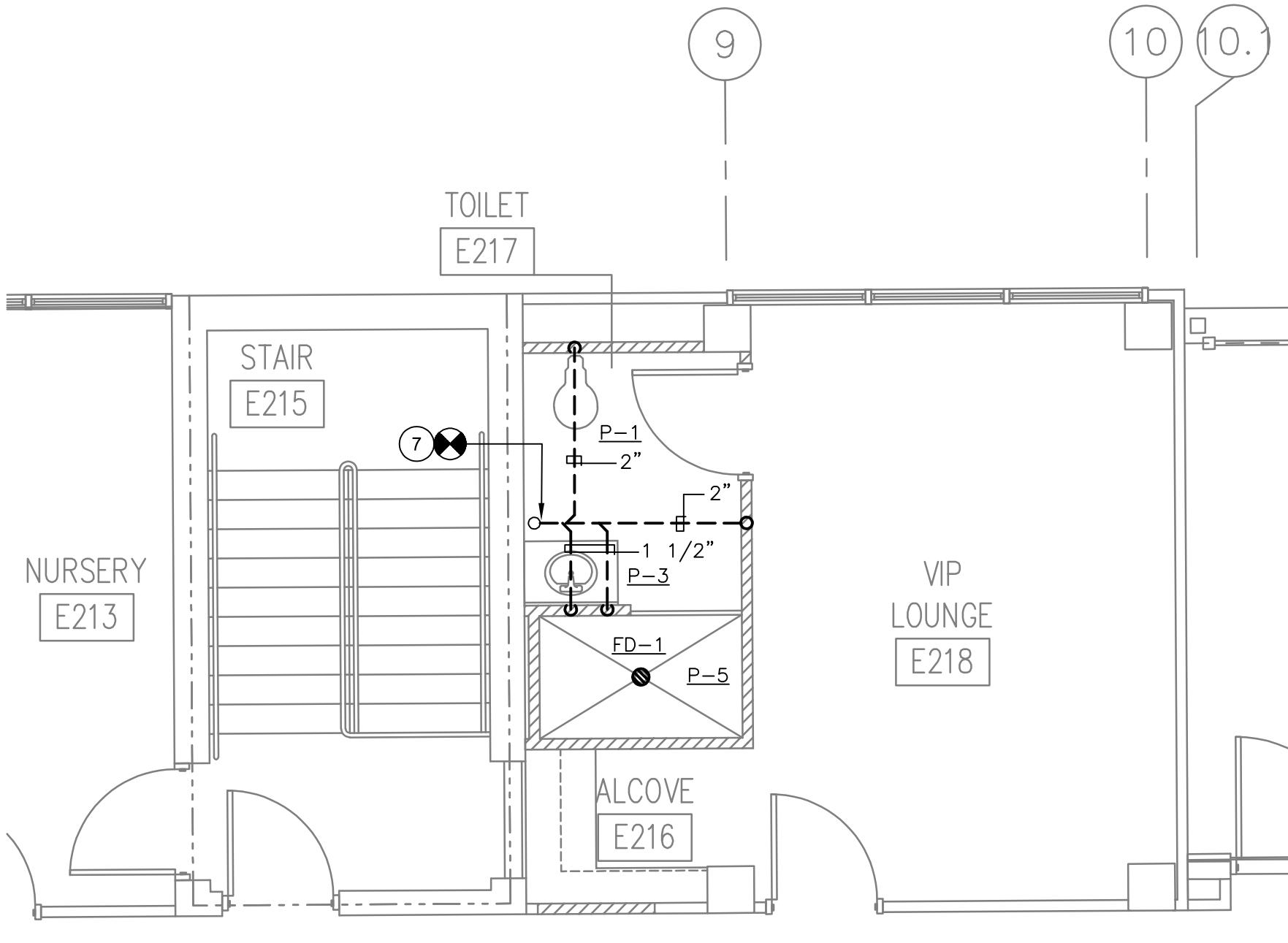
1 LOUNGE DEMOLITION PLAN - WASTE
SCALE: 1/4" = 1'-0"



2 LOUNGE DEMOLITION PLAN - VENT
SCALE: 1/4" = 1'-0"



3 LOUNGE NEW WORK PLAN - WASTE
SCALE: 1/4" = 1'-0"



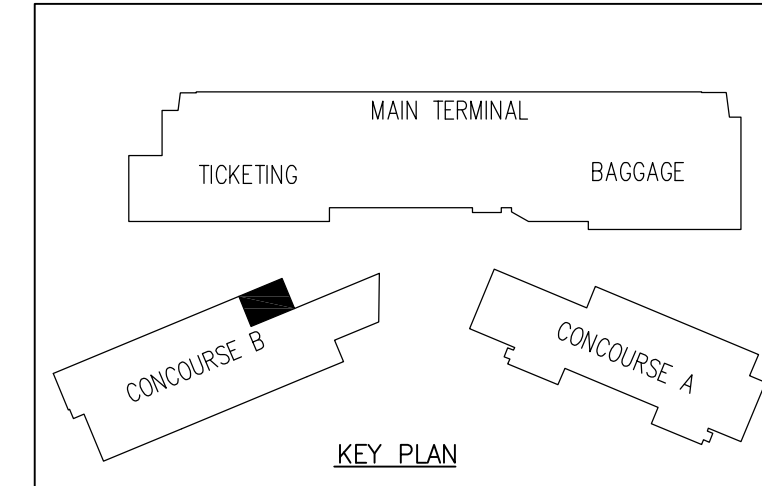
4 LOUNGE NEW WORK PLAN - VENT
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF PLUMBING SERVICES, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- C. ALL EXISTING FIXTURES, PIPING, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE) SHALL BE REMOVED. ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE OWNER, OR ARE INDICATED TO THE PREMISES BY THE CONTRACTOR WHERE DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.
- D. EXISTING CONDITIONS, I.E., PRESENCE AND LOCATION OF FIXTURES, PIPING, EQUIPMENT, AND MATERIALS, INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL CONDUITS, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO STARTING ALL WORK.
- E. EXISTING PIPE SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING PLUMBING WORK IS REMOVED, ALL PIPING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING FIXTURES & PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
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- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND HATCHED" IS EXISTING AND SHALL BE DEMOLISHED.
- K. EXISTING AND NEW WASTE PIPING SHOWN IS LOCATED IN THE CEILING SPACE OF THE LEVEL BELOW.

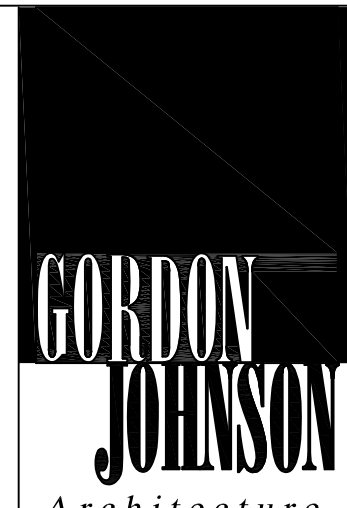
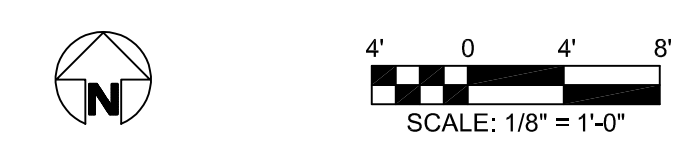
DRAWING NOTES:

- 1 REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED WASTE & VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOWN.
- 2 REMOVE EXISTING LAVATORY AND ALL ASSOCIATED WASTE & VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOWN.
- 3 REMOVE EXISTING SINK AND ALL ASSOCIATED WASTE & VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOWN.
- 4 REMOVE ALL EXISTING 3" WASTE PIPING BACK TO THE EXISTING 4" MAIN WASTE PIPE.
- 5 REMOVE ALL VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOW. MAINTAIN EXISTING 3" VENT THROUGH ROOF FOR NEW VENT CONNECTION.
- 6 CONNECT NEW 4" WASTE PIPE TO EXISTING 4" WASTE PIPE.
- 7 CONNECT NEW 2" VENT PIPING TO THE EXISTING 3" VTR.
- 8 2" VENT DOWN TO FLOOR DRAIN WASTE PIPING.
- 9 PROVIDE FLOOR DRAIN WITH WITH TRAP PRIMER. CONNECT TRAP PRIMER TO NEAREST FLUSH VALVE.

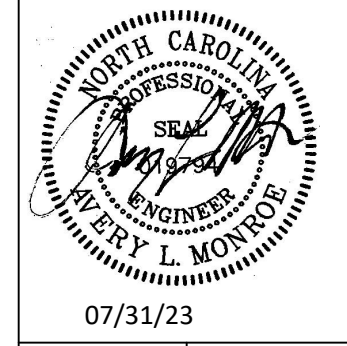


FIRE RATED WALL LEGEND

---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-mail: gordon@gordonjohnsonarchitecture.com
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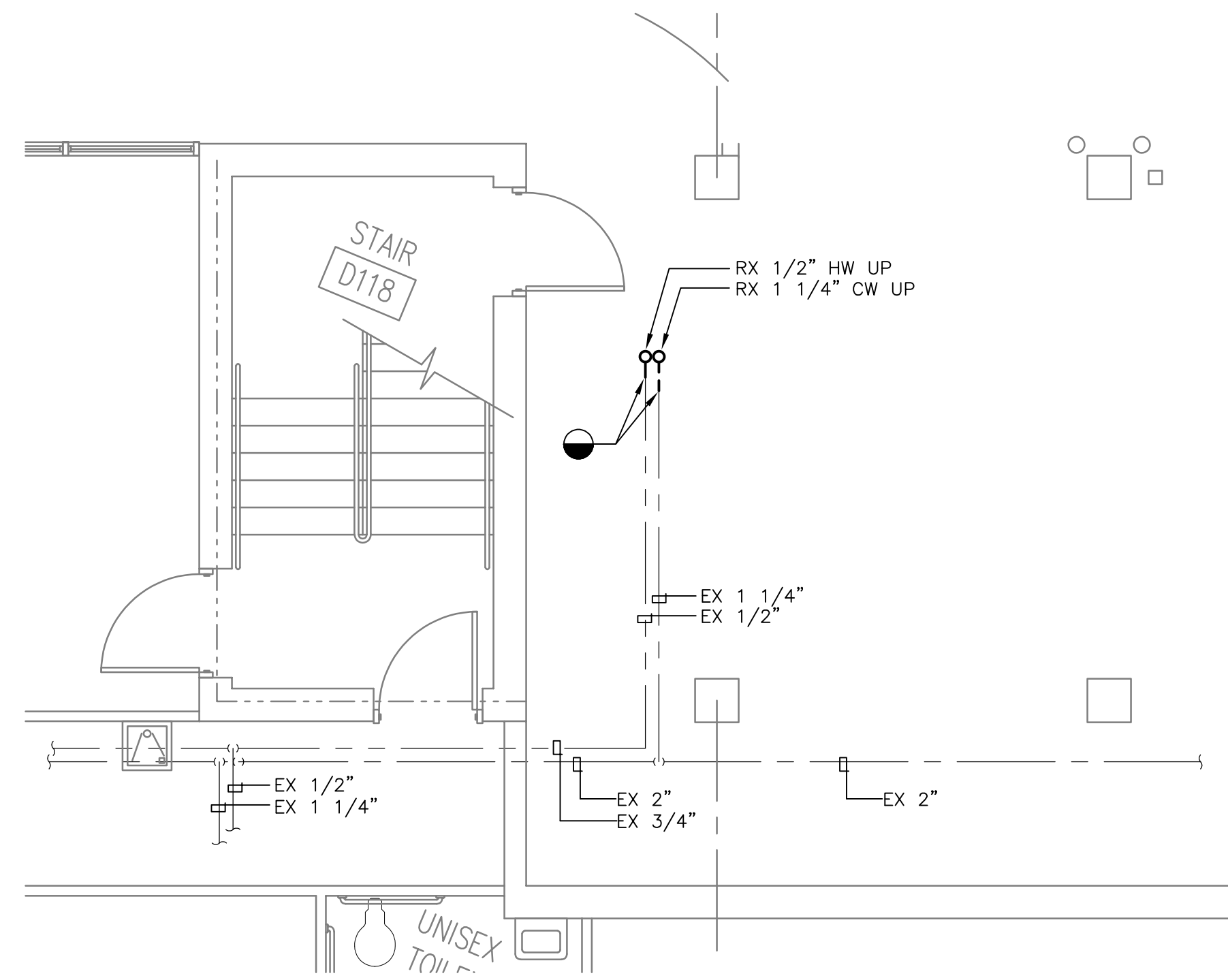
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
CONCOURSE-B WASTE & VENT ENLARGED PLANS

400 Airport Road
Fayetteville, North Carolina 28306

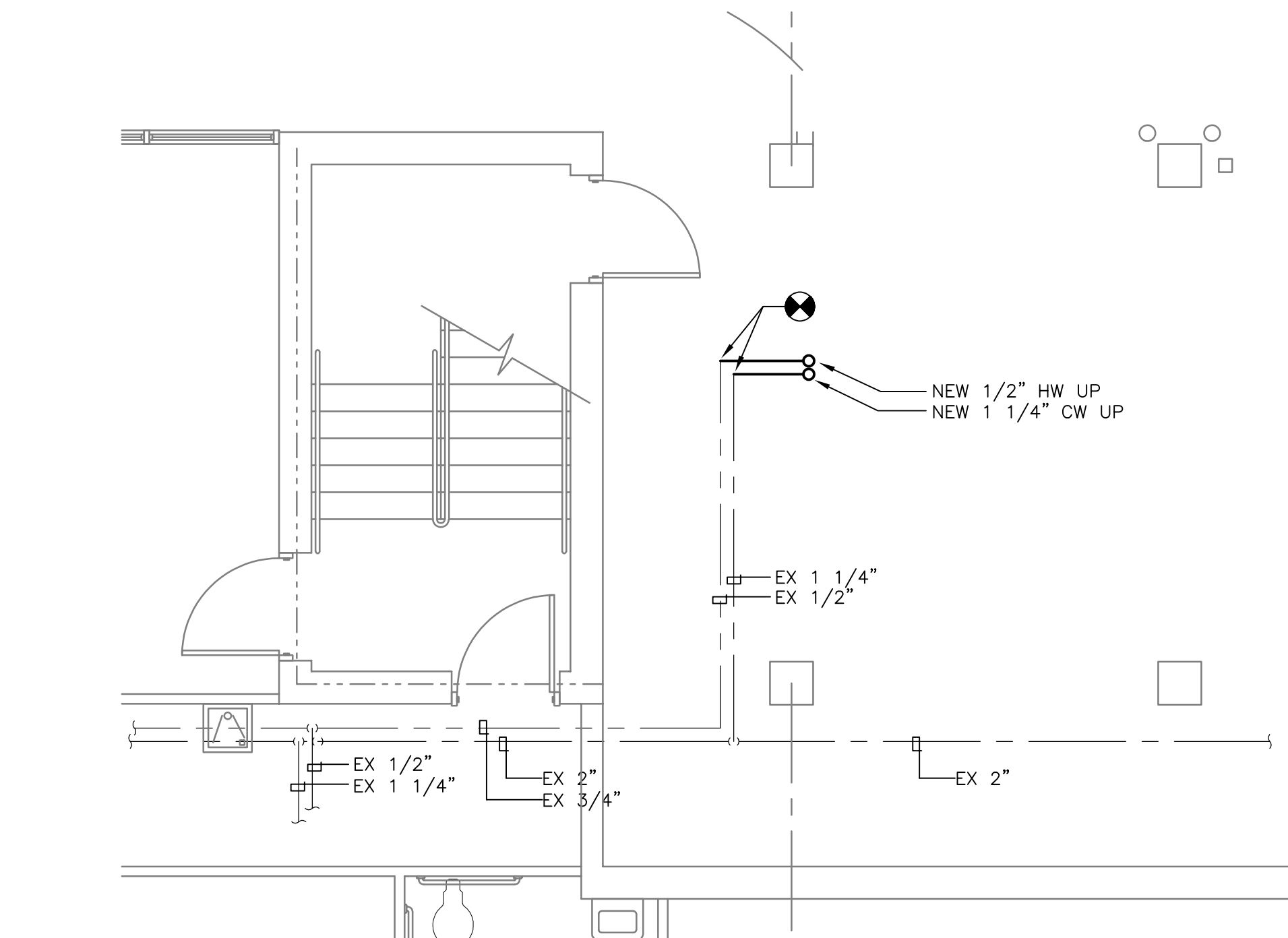
DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

REVISIONS

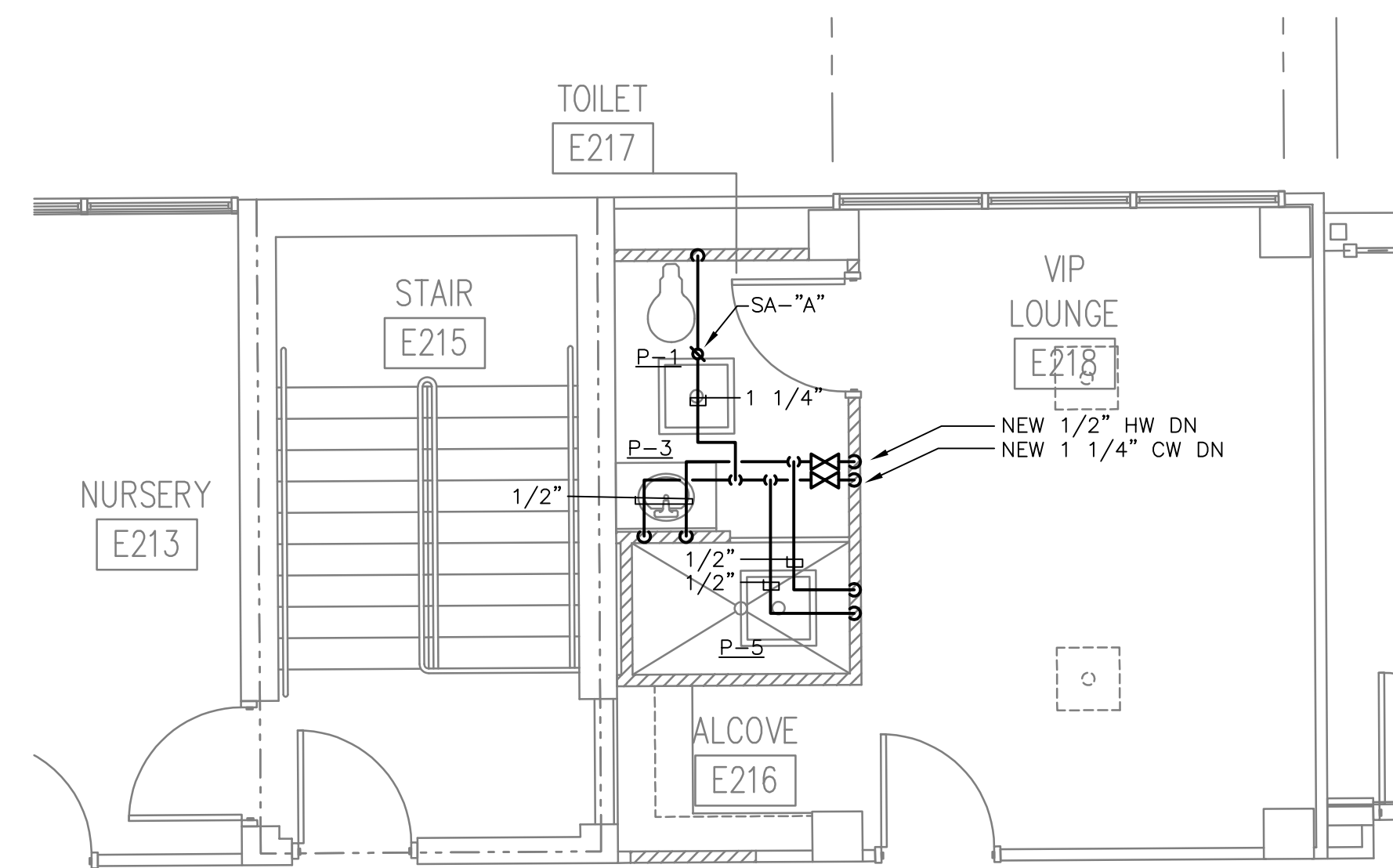
SHEET NUMBER
P4.21



1 LOUNGE DEMOLITION PLAN - DOMESTIC WATER (FIRST FLOOR)
SCALE: 1/4" = 1'-0"



2 LOUNGE NEW WORK PLAN - DOMESTIC WATER (FIRST FLOOR)
SCALE: 1/4" = 1'-0"



3 LOUNGE NEW WORK PLAN - DOMESTIC WATER (SECOND FLOOR)
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

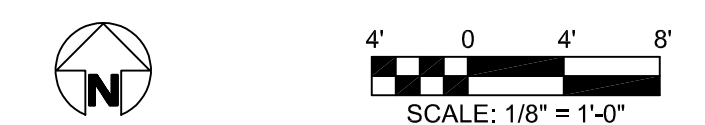
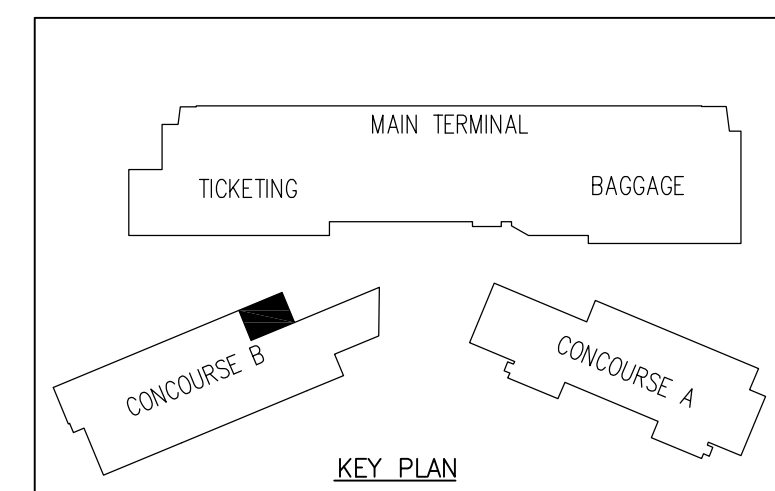
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DRAWING NOTES:

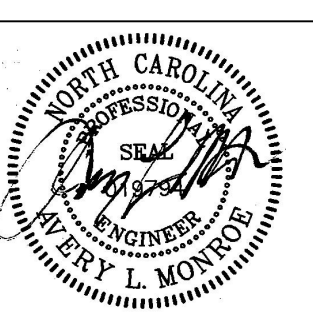
- 1 REMOVE EXISTING DOMESTIC WATER PIPING FROM THE EXISTING FIXTURE ABOVE, BACK TO THE POINT OF DISCONNECTION SHOWN.
- 2 CONNECT NEW DOMESTIC WATER PIPING AT THE POINT OF CONNECTION SHOWN AND ROUTE UP TO THE FLOOR ABOVE.

FIRE RATED WALL LEGEND

---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
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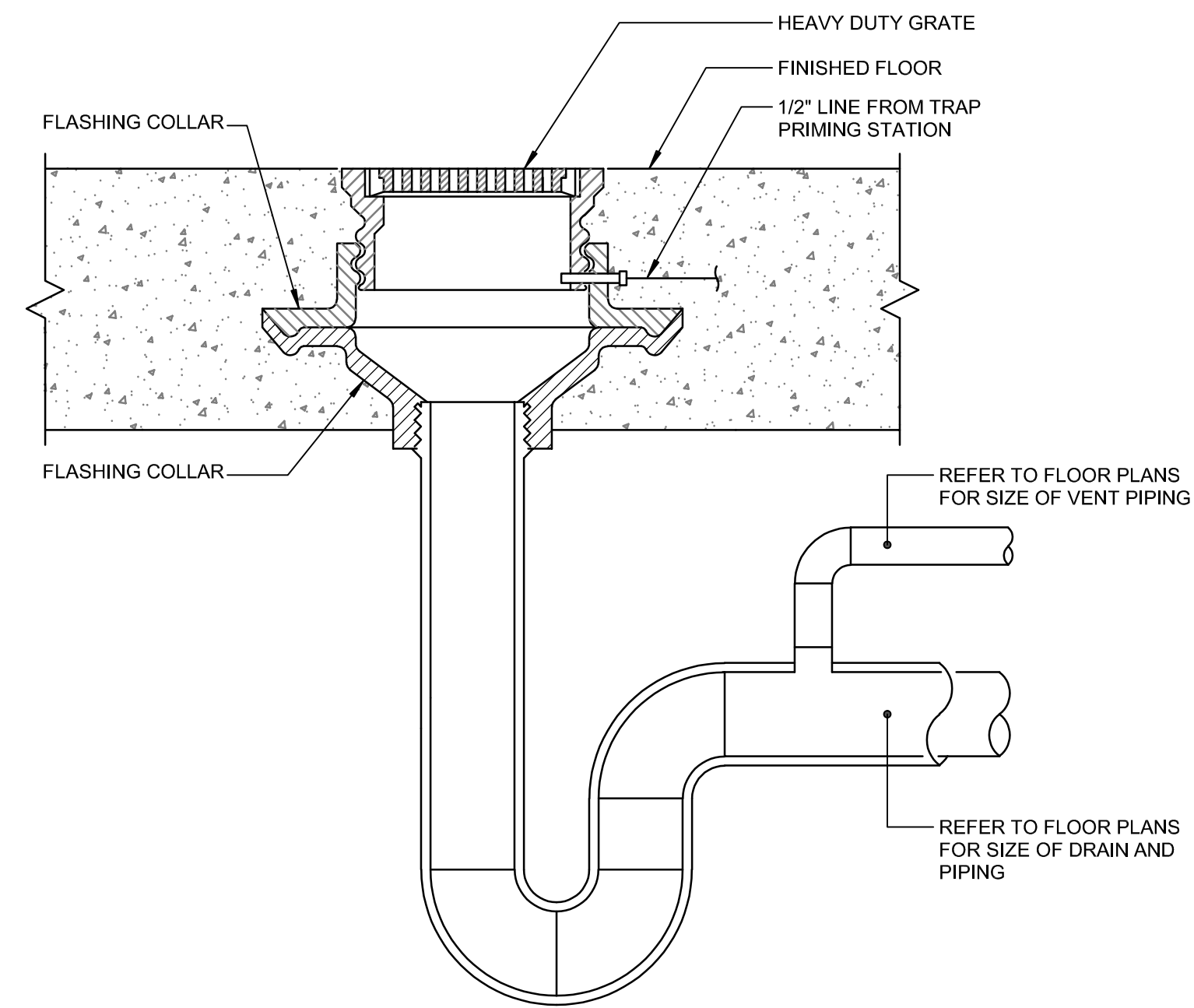
07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
CONCOURSE-B DOMESTIC WATER ENLARGED PLANS
400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY:	BMC
REVIEWED BY:	ALM
DATE:	7/31/2023
PROJECT NO.:	02230515.A0
NOTES:	

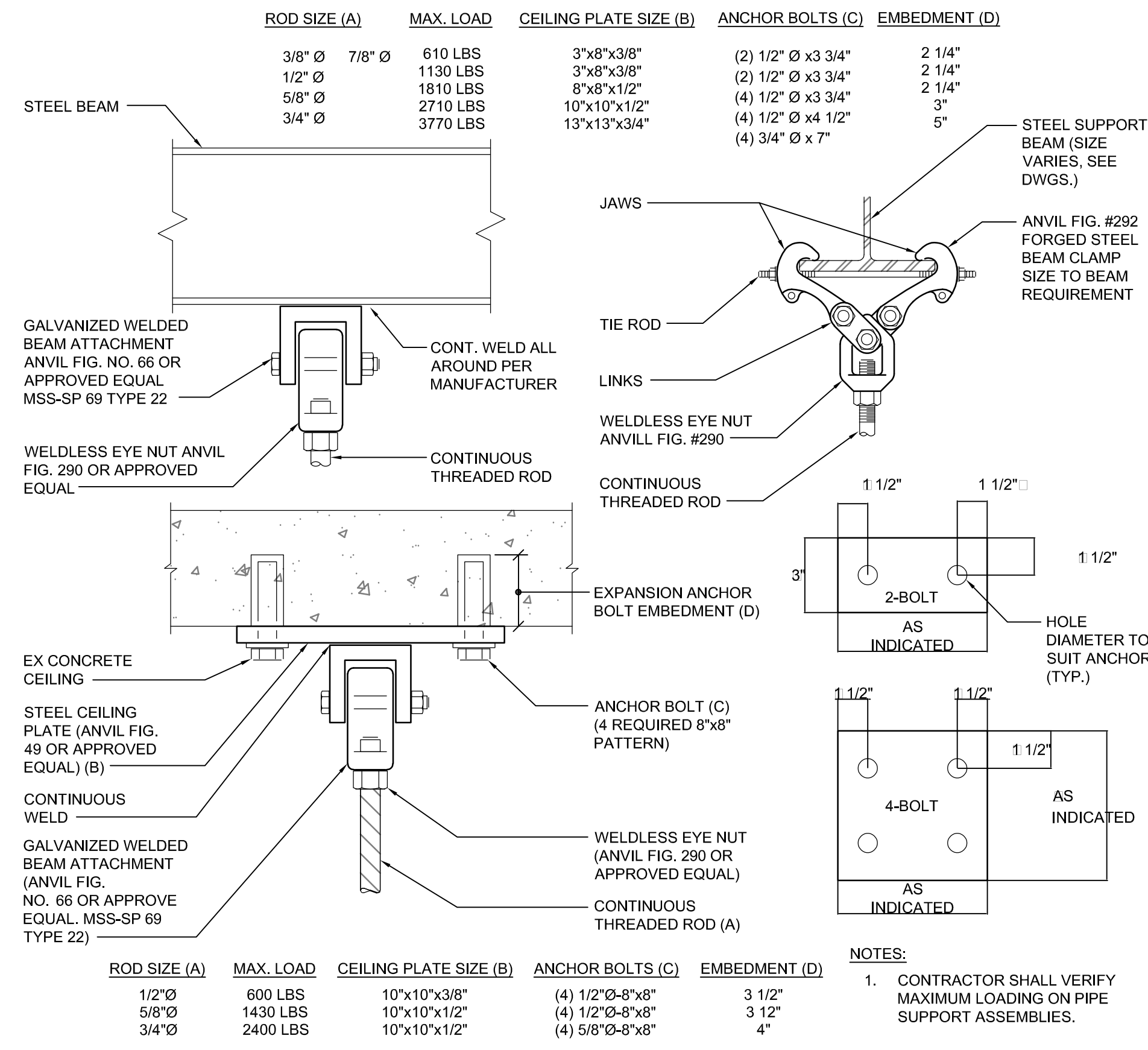
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P4.22



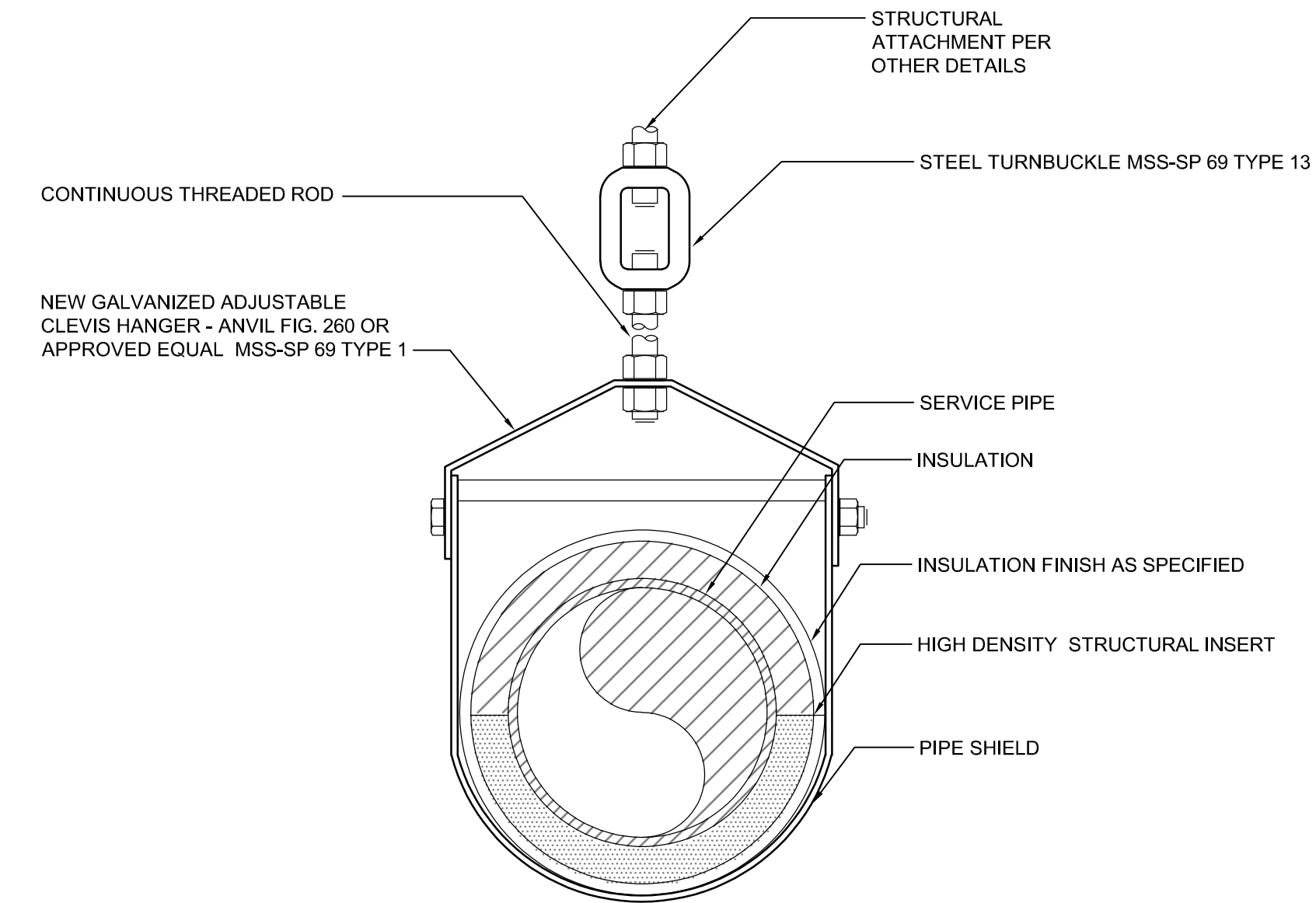
DETAIL - FLOOR DRAIN

SCALE: NONE 3



DETAIL - BUILDING ATTACHMENTS

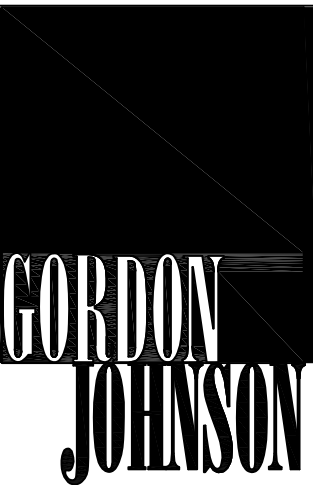
SCALE: NONE 2



DETAIL - CLEVIS HANGER

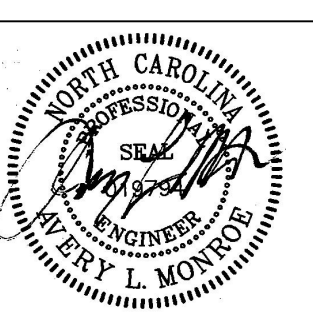
SCALE: NONE 1

NOTES:
1. FOR NON INSULATED PIPES, OUTSIDE PIPE WALL SHALL REST DIRECTLY ON INNER WALL OF CLEVIS HANGER.



Gordon Johnson Architecture
654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-mail: gordon@johnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
PLUMBING DETAILS
400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

NO.	REVISIONS

SHEET NUMBER
P5.01

SCALE: NONE

SCALE: NONE

PLUMBING FIXTURE SCHEDULE											
DESIGNATION	FIXTURE	FLOW GPM	ROUGH-IN CONNECTION				FIXTURE UNITS			REMARKS	NOTES
			CW	HW	SAN	VENT	CW	HW	SAN		
P-1	WATER CLOSET	1.28 (GPF)	1"	-	4"	2"	6	-	3	WALL MOUNTED, MANUAL FLUSH VALVE, ADA	1, 6
P-2	LAVATORY	0.5	1/2"	1/2"	2"	1 1/2"	0.5	0.5	1	WALL MOUNTED, BATTERY, AUTOMATIC FAUCET.	2, 6
P-3	LAVATORY	0.5	1/2"	1/2"	2"	1 1/2"	0.5	0.5	1	LAVATORY PROVIDED WITH CASEWORK, BATTERY, AUTOMATIC FAUCET.	3, 6
P-4	BREAK ROOM SINK	1.5	1/2"	1/2"	2"	1 1/2"	1	1	2	STAINLESS STEEL, TWO COMPARTMENT SINK	4, 6
P-5	SHOWER	1.5	1/2"	1/2"	2"	1 1/2"	1	1	2	ADA, BUILT IN CERAMIC TILE BASE BY ARCHITECT	5, 6

NOTES:

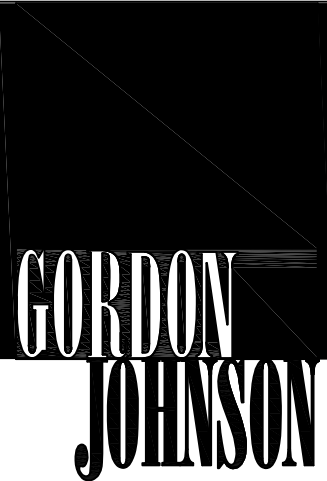
- | | |
|--|--|
| <p>1. BASIS OF DESIGN:
WATER CLOSET: KOHLER, K-4325
FLUSH VALVE: SLOAN, 111-1.28 DFB</p> <p>2. BASIS OF DESIGN:
LAVATORY: PROVIDED WITH CASEWORK
FAUCET: SLOAN, SF-2350</p> <p>3. BASIS OF DESIGN:
LAVATORY: KOHLER, K-2005
FAUCET: SLOAN, SF-2350</p> | <p>4. BASIS OF DESIGN:
SINK: ELKAY, LR3322
FAUCET: DELTA, 400-DST</p> <p>5. BASIS OF DESIGN:
SHOWER: BUILT IN CERAMIC TILE BASE BY ARCHIECT
FAUCET: SYMMONS SAFETYMIX, 1-117-FS</p> <p>6. SEE SPEC SECTION 224000 FOR EQUIVALENT MANUFACTURERS</p> |
|--|--|

SHOCK ARRESTOR SCHEDULE	
DESIGNATION	FIXTURE UNITS SERVED
SA-"A"	1-11
SA-"B"	12-32

FLOOR DRAIN SCHEDULE		
DESIGNATION	TYPE	BASIS OF DESIGN
FD-1	3" DRAIN, ROUND GRATE	ZURN - Z415B
FD-2	2" DRAIN, ROUND GRATE	ZURN - Z415-BZ1

NOTES:

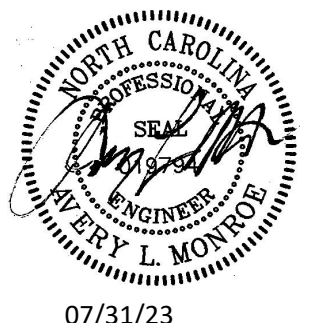
1. SEE SPEC SECTION 221319 FOR EQUIVALENT MANUFACTURERS



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-mail: gordon@johnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
PLUMBING SCHEDULES
400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

REVISIONS	

SHEET NUMBER
P7.01

MECHANICAL LEGEND

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSATE DRAIN
	HEATING WATER RETURN
	HEATING WATER SUPPLY

EQUIPMENT DESIGNATIONS

SYMBOL	DESCRIPTION
	AIR HANDLING UNIT DESIGNATION
	EXHAUST FAN DESIGNATION
	OUTSIDE AIR LOUVER DESIGNATION

DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	THERMOSTAT
	AIR FLOW
	TRANSFER AIR FLOW (INDICATE CFM)
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	FIRE DAMPER
	VOLUME DAMPER
	SMOKE DAMPER
	SMOKE DETECTOR
	FLEXIBLE CONNECTION
	HORIZONTAL ACCESS DOOR
	VERTICAL ACCESS DOOR
	ELBOW WITH DOUBLE THICKNESS TURNING VANES
	RECTANGULAR BRANCH TAKE-OFF
	BELL MOUTH BRANCH TAKE-OFF
	ROUND BRANCH TAKE-OFF
	ROUND DUCT DROP OFF BOTTOM
	DUCT TRANSITION
	SQUARE TO ROUND TRANSITION
	DUCTWORK CHANGE IN ELEVATION (UP OR DOWN)
	SUPPLY/OUTSIDE AIR DUCT RISER
	RETURN AIR DUCT RISER
	EXHAUST/RELIEF AIR DUCT RISER
	ROUND DUCT RISER (SMALLER THAN 12")
	ROUND DUCT RISER (12" AND LARGER)
	FLEXIBLE DUCT
	TERMINAL UNIT WITH REHEAT COIL
	SUPPLY AIR VOLUME TERMINAL UNIT IDENTIFIER
	AIR DEVICE IDENTIFIER

SYMBOL	DESCRIPTION
	PIPE DROP
	PIPE RISE
	PIPE CAP
	BRANCH TAKE OFF
	PIPE DROP TEE
	PIPE RISE TEE
	SHUTOFF VALVE
	TWO WAY CONTROL VALVE

GENERAL SYMBOLS

DESIGNATION	DESCRIPTION
	DEMOLITION WORK
	EXISTING WORK
	NEW WORK

DESIGNATION	DESCRIPTION
	FLOOR PLAN NUMBER PARTIAL FLOOR PLAN NUMBER ELEVATION = LETTER DETAIL = NUMBER
	SHEET NUMBER ON WHICH THE PARTIAL PLAN, ELEVATION OR DETAIL IS DRAWN
	SHEET NUMBER WHERE PARTIAL PLAN, ELEVATION OR DETAIL IS TAKEN FROM

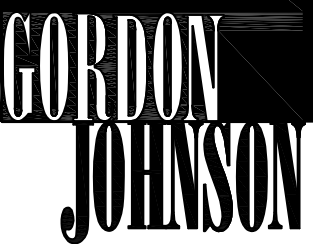
DESIGNATION	DESCRIPTION
	NORTH ARROW
	POINT OF CONNECTION TO EXISTING
	POINT OF DISCONNECTION

A	COMPRESSED AIR
AAV	AUTOMATIC AIR VENT
ACV	AUTOMATIC CONTROL VALVE
AD	ACCESS DOOR, AREA DRAIN
AF	ANTIFREEZE
AFB	ABOVE FINISHED FLOOR
AR	ARGON GAS
ATC	AUTOMATIC TEMPERATURE CONTROL
BAS	BUILDING AUTOMATION SYSTEM
BBD	BOILER BLOWDOWN
BCWR	BEARING COOLING WATER RETURN
BCWS	BEARING COOLING WATER SUPPLY
BDD	BACKDRAFT DAMPER
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BMS	BUILDING MANAGEMENT SYSTEM
BO	BLOW OFF
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
°C	DEGREE(S) CELSIUS
CA	CONTROL AIR
CBD	CONTINUOUS BLOWDOWN
CC	CAMPUS CONDENSATE
CCMS	CENTRAL CONTROL AND MONITORING SYSTEM
CD	CONDENSATE DRAIN
CF	CHEMICAL FEED
CFM	CUBIC FEET PER MINUTE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEANOUT
CO2	CARBON DIOXIDE
CS	CLEAN STEAM
CW	COLD WATER, CITY WATER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DEEP, DRAIN WATER
DB	DECIBEL, DRY BULB
DDC	DIRECT DIGITAL CONTROL
DHR	DISTRIBUTION HEATING WATER RETURN
DHS	DISTRIBUTION HEATING WATER SUPPLY
DIR	DEIONIZED WATER RETURN
DIS	DEIONIZED WATER SUPPLY
DL	DOOR LOUVER
DN	DOWN
DSP	DRY SPRINKLER PIPE
DTR	DUAL TEMPERATURE RETURN
DTS	DUAL TEMPERATURE SUPPLY
DW	DISTILLED WATER
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EJ	EXPANSION JOINT
EMS	ENERGY MANAGEMENT SYSTEM
ESP	EXTERNAL STATIC PRESSURE
ETC	ETCETERA
EVAC	GAS EVACUATION
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
°F	DEGREE(S) FAHRENHEIT
F	FIRE LINE
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER, FOUNDATION DRAIN
FDV	FIRE DEPARTMENT VALVE
FF	FINISHED FLOOR
FFE	FINISHED FLOOR ELEVATION
FIN/FT	FINS PER FEET
FIN/INCH	FINS PER INCH
FM	FLOWMETER
FMF	FLOWMETER FITTING
FOF	FUEL OIL FILL
FOO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY

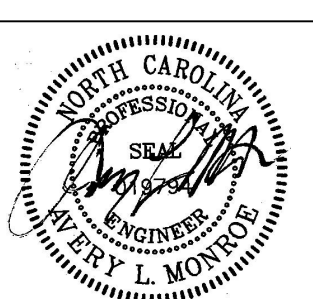
GENERAL ABBREVIATIONS

NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

FOT	FUEL OIL TRANSFER
FOV	FUEL OIL VENT
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOW SWITCH
FT	FOOT, FEET
FWR	FEED WATER RETURN
FWS	FEED WATER SUPPLY
G	NATURAL GAS
GHR	GLYCOL HEATING RETURN
GHS	GLYCOL HEATING SUPPLY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	AUTOMOTIVE LUBRICATION PIPING
H	HIGH
HB	HOSE BIBB
HED	HOSE END DRAIN VALVE
HP	HORSEPOWER
HPR	HIGH PRESSURE STEAM RETURN
HPS	HIGH PRESSURE STEAM SUPPLY
HR	HEATING WATER RETURN
HRR	HEAT RECOVERY RETURN
HRS	HEAT RECOVERY SUPPLY
HS	HEATING WATER SUPPLY
HT	HEIGHT
HTHR	HIGH TEMPERATURE HEATING WATER RETURN
HTHS	HIGH TEMPERATURE HEATING WATER SUPPLY
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
HZ	HERTZ
IA	INSTRUMENT AIR
ICW	INDUSTRIAL COLD WATER
IHW	INDUSTRIAL HOT WATER
IHR	INDUSTRIAL HOT WATER RECIRCULATION
IN	INCH, INCHES
INV EL	INVERT ELEVATION
KW	KILOWATTS
L	LONG, LENGTH
LA	LABORATORY AIR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LN	LIQUID NITROGEN
LP	LIQUID PROPANE
LPG	LIQUID PETROLEUM GAS
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
LV	LABORATORY VENT, LABORATORY VACUUM
LW	LABORATORY WASTE
LWT	LEAVING WATER TEMPERATURE
MA	MEDICAL AIR
MAV	MANUAL AIR VENT
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCC	MOTOR CONTROL CENTER
MO	MOTOR OIL PIPING
MOD	MOTOR OPERATED DAMPER
MPR	MEDIUM PRESSURE STEAM RETURN
MPS	MEDIUM PRESSURE STEAM SUPPLY
MV	MEDICAL VACUUM
N	NITROGEN
NA	NOT APPLICABLE
NC	NOISE CRITERIA, NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN, NITROUS OXIDE
NPSH	NET POSITIVE SUCTION HEAD
O	OXYGEN
OA	OUTSIDE AIR
OD	OVERFLOW DRAIN
OED	OPEN ENDED DUCT
OS&Y	OUTSIDE STEM AND YOKE
P&ID	PROCESS AND INSTRUMENTATION DIAGRAM
PA	PLANT AIR
PC	PUMPED CONDENSATE
PCR	PUMPED CONDENSATE RECIRCULATION
PCHR	PRIMARY CHILLED WATER RETURN
PCHS	PRIMARY CHILLED WATER SUPPLY
PCWR	PROCESS COOLING WATER RETURN
PCWS	PROCESS COOLING WATER SUPPLY
PD	PRESSURE DROP, PUMP DISCHARGE
PGR	PROCESS GLYCOL WATER RETURN
PGS	PROCESS GLYCOL WATER SUPPLY
PH	PHASE
PHR	PRIMARY HEATING RETURN
PHS	PRIMARY HEATING SUPPLY
PIV	POST INDICATING VALVE
PPH	POUNDS PER HOUR
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR, RELIEF AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RHR	REHEAT WATER RETURN
RHS	REHEAT WATER SUPPLY
RL	REFRIGERANT LIQUID
ROR	REVERSE OSMOSIS WATER RETURN
ROS	REVERSE OSMOSIS WATER SUPPLY
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
RV	RELIEF VENT, REFRIGERANT VENT
RX	REMOVE EXISTING
SA	SUPPLY AIR
SAN	SANITARY, SOIL, WASTE
SCHR	SECONDARY CHILLED WATER RETURN
SCHS	SECONDARY CHILLED WATER SUPPLY
SD	STORM DRAIN, SMOKE DETECTOR
SF	SQUARE FOOT
SHR	SECONDARY HEATING WATER RETURN
SHS	SECONDARY HEATING WATER SUPPLY
SL	SOUND LINING
SP	STATIC PRESSURE
SPR	SPRINKLER LINE
SS	STAINLESS STEEL
SQ FT	SQUARE FOOT
SW	SOFT WATER
ΔT	TEMPERATURE DIFFERENCE
TS	TAMPER SWITCH
TSP	TOTAL STATIC PRESSURE
TWR	TEMPERED WATER RETURN
TWS	TEMPERED WATER SUPPLY
TW	TREATED WATER
TYP	TYPICAL
UCD	UNDERCUT DOOR
UL	UNDERWRITERS LABORATORIES
V	VACUUM, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VPD	VACUUM PUMP DISCHARGE
VSD	VARIABLE SPEED DRIVE
VTR	VENT THROUGH ROOF
W	WATTS, WIDE
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
WH	WALL HYDRANT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-mail: info@gordonjohnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3

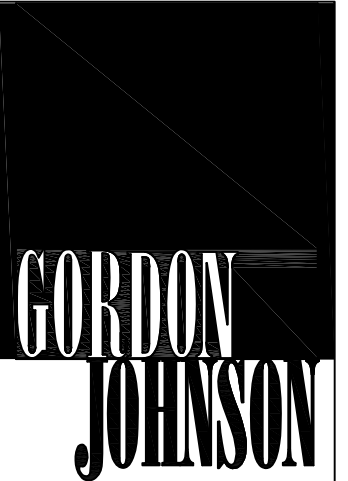
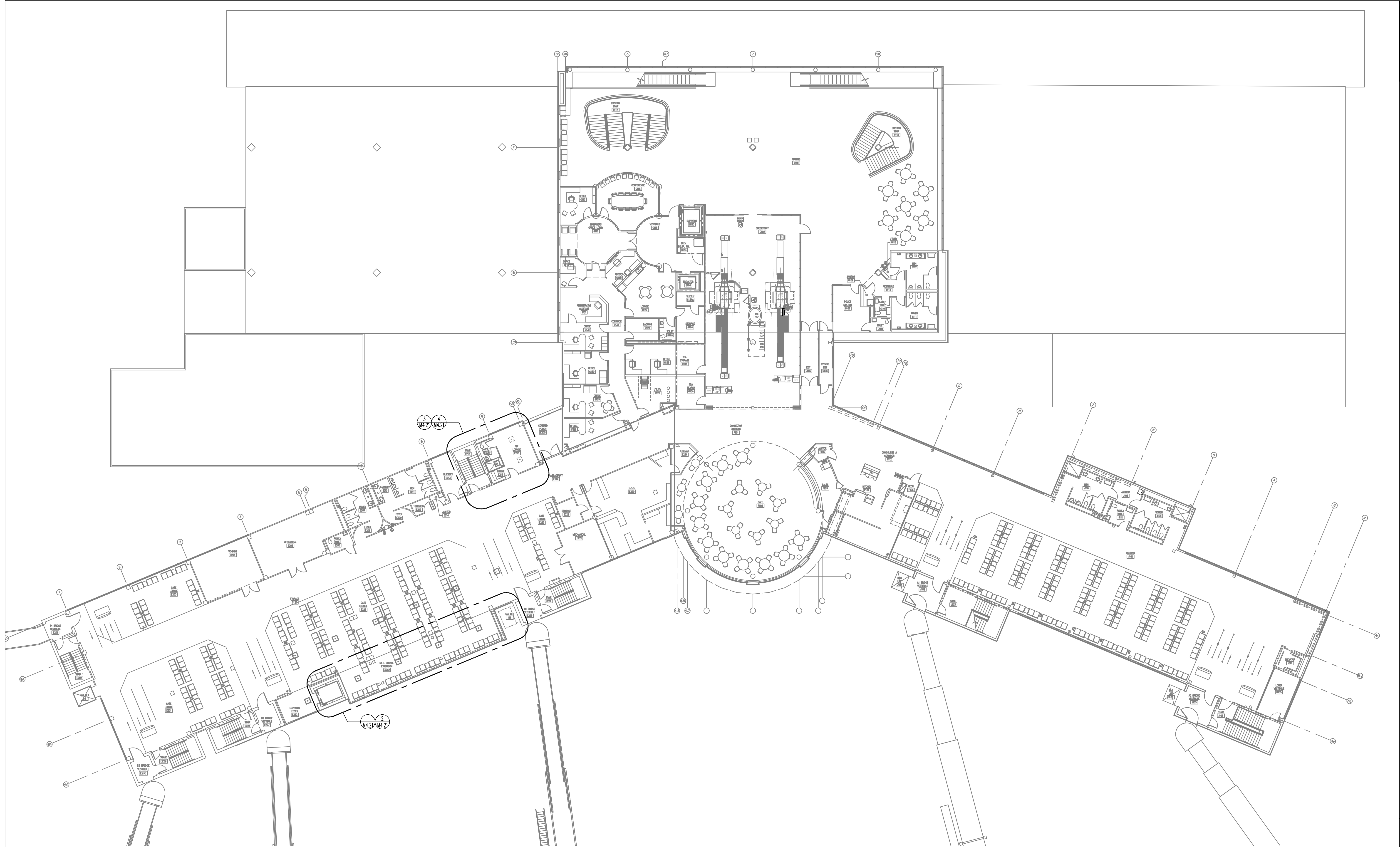
MECHANICAL LEGEND, SYMBOLS AND ABBREVIATIONS

400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

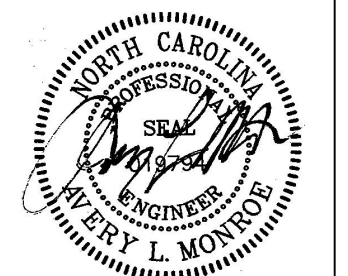
NO.	REVISIONS

SHEET NUMBER
MO.01



Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2189
 gordon@gordonjohnsonarchitecture.com
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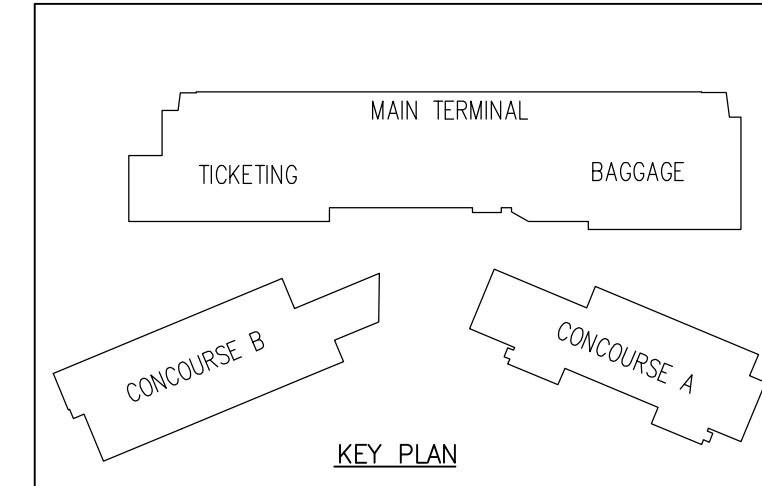
07/31/23

Fayetteville Regional Airport Airline Terminal Improvements – Part 3
 SECOND FLOOR OVERALL PLAN
 400 Airport Road
 Fayetteville, North Carolina 28306

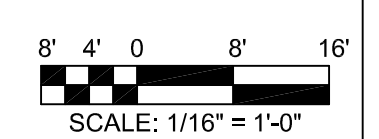
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REVISIONS	

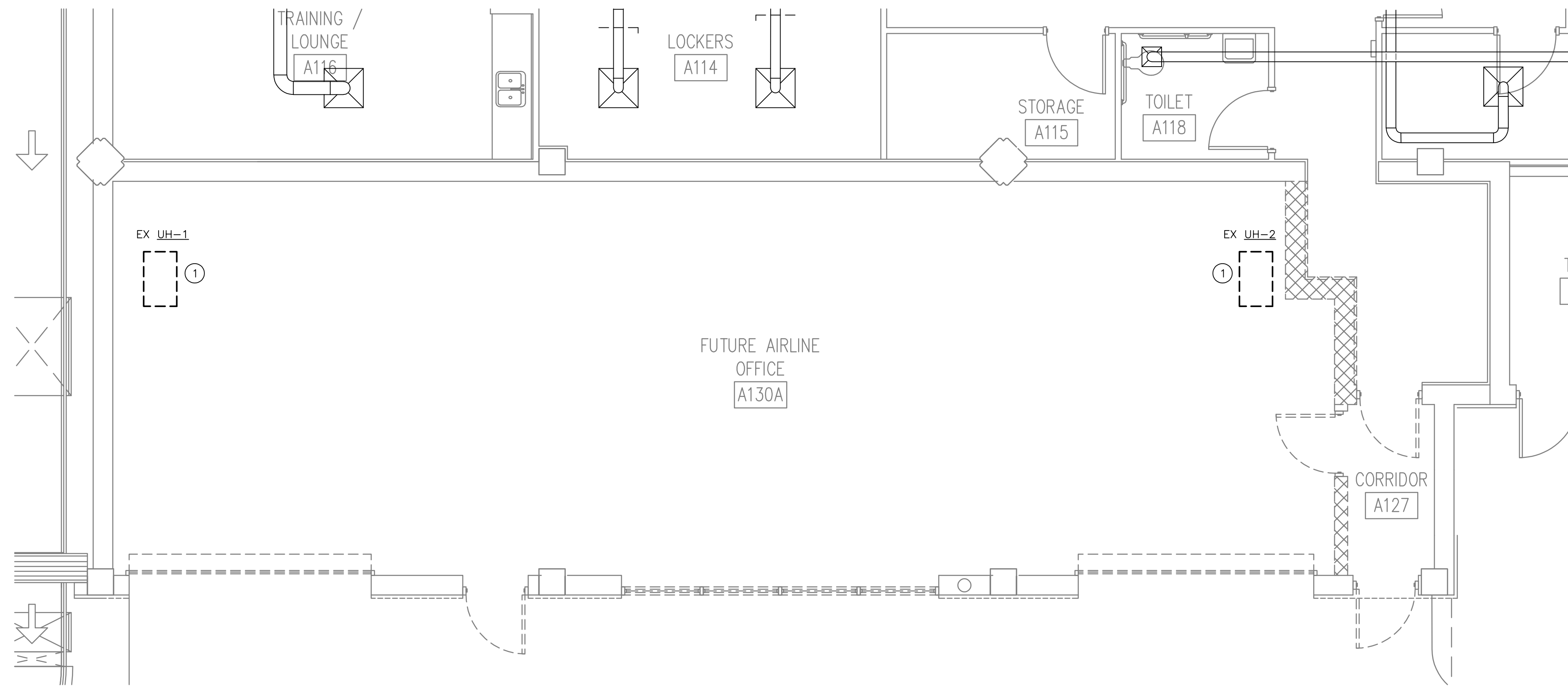
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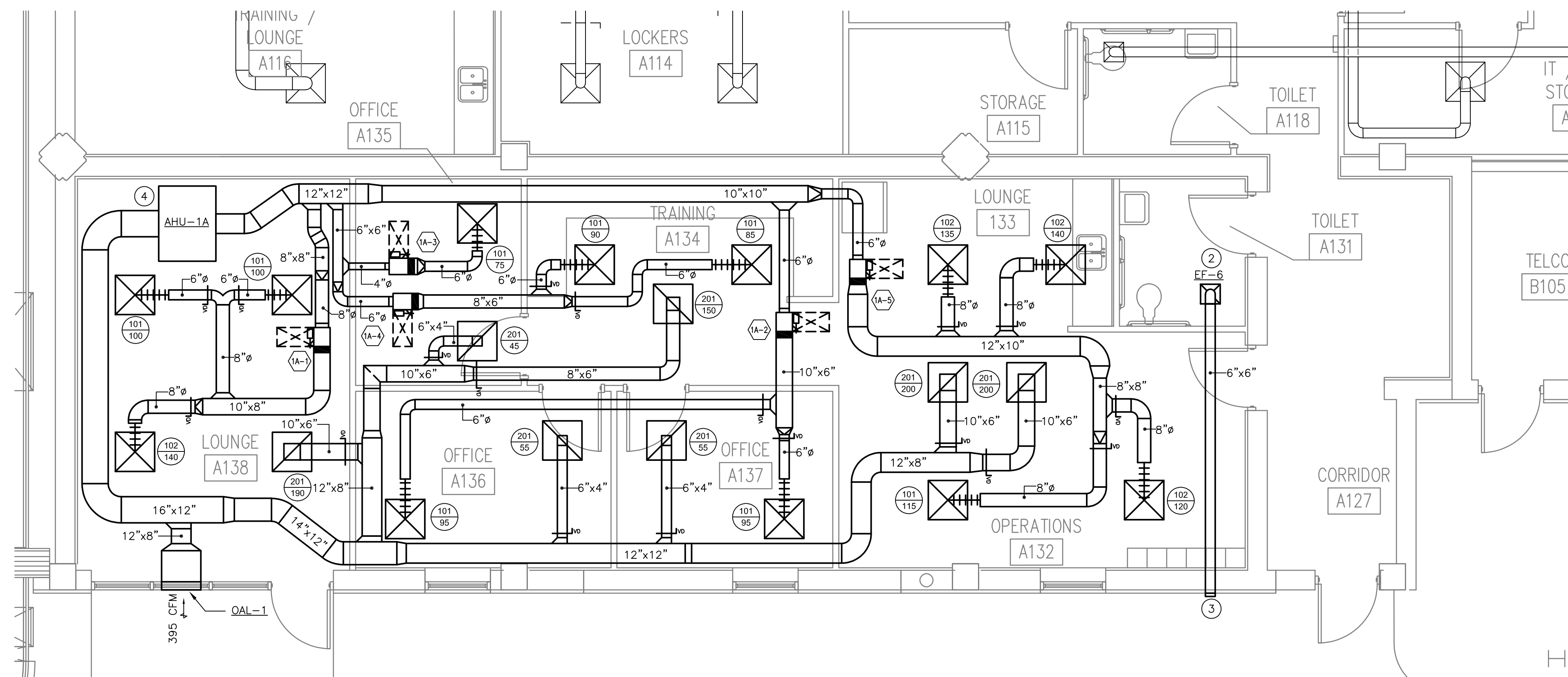
FIRE RATED WALL LEGEND
 - - - - - 1 HOUR FIRE PARTITION
 ———— 1 HOUR FIRE BARRIER



M1.20



1 AIRLINE OFFICE DEMOLITION PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"



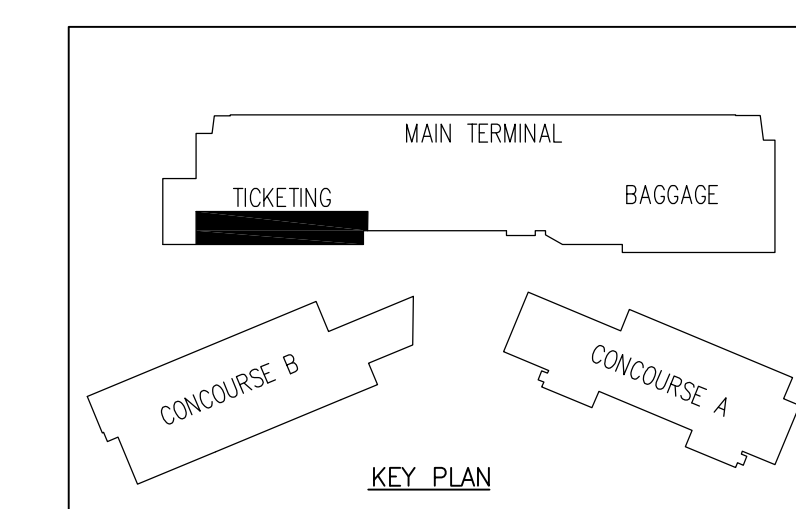
2 AIRLINE OFFICE NEW WORK PLAN - DUCTWORK
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN, REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW YORK
- C. ALL EXISTING DUCTWORK, EQUIPMENT, PIPING, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE) SHALL BE REMOVED. ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE OWNER, OR ARE INDICATED TO THE PREMISES BY THE CONTRACTOR WHERE DIRECTED BY THE ENGINEER, ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.
- D. EXISTING CONDITIONS, I.E., PRESENCE AND LOCATION OF DUCTWORK, DIFFUSERS, PIPING, EQUIPMENT, AND MATERIALS, INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL CONDUITS, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO STARTING ALL WORK.
- E. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING MECHANICAL WORK IS REMOVED, ALL DUCTWORK, PIPING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING DUCTWORK & PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
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- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND HATCHED" IS EXISTING AND SHALL BE DEMOLISHED.

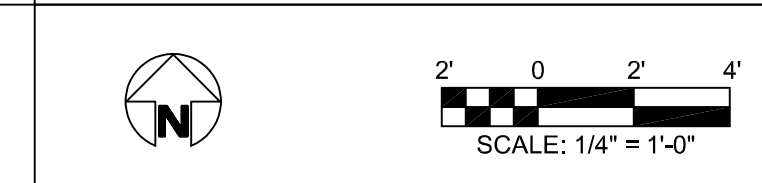
DRAWING NOTES:

- ① REMOVE EXISTING ELECTRIC UNIT HEATER.
- ② PROVIDE NEW EXHAUST FAN, EF-6, FAN SHALL OPERATE THROUGH AN OCCUPANCY SENSOR. SEE SCHEDULE FOR ADDITIONAL INFORMATION.
- ③ TERMINATE EXHAUST DUCTWORK WITH A 45 DEGREE ELBOW DOWN OUTSIDE EXTERIOR WALL. PROVIDE BIRD SCREEN AT OPENING.
- ④ NEW AHU-1A SHALL BE INSTALLED ABOVE THE CEILING.

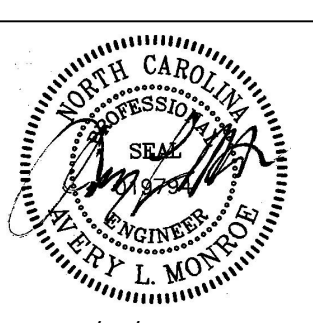


FIRE RATED WALL LEGEND

---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
FIRST FLOOR MECHANICAL ENLARGED PLANS
400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

REVISIONS

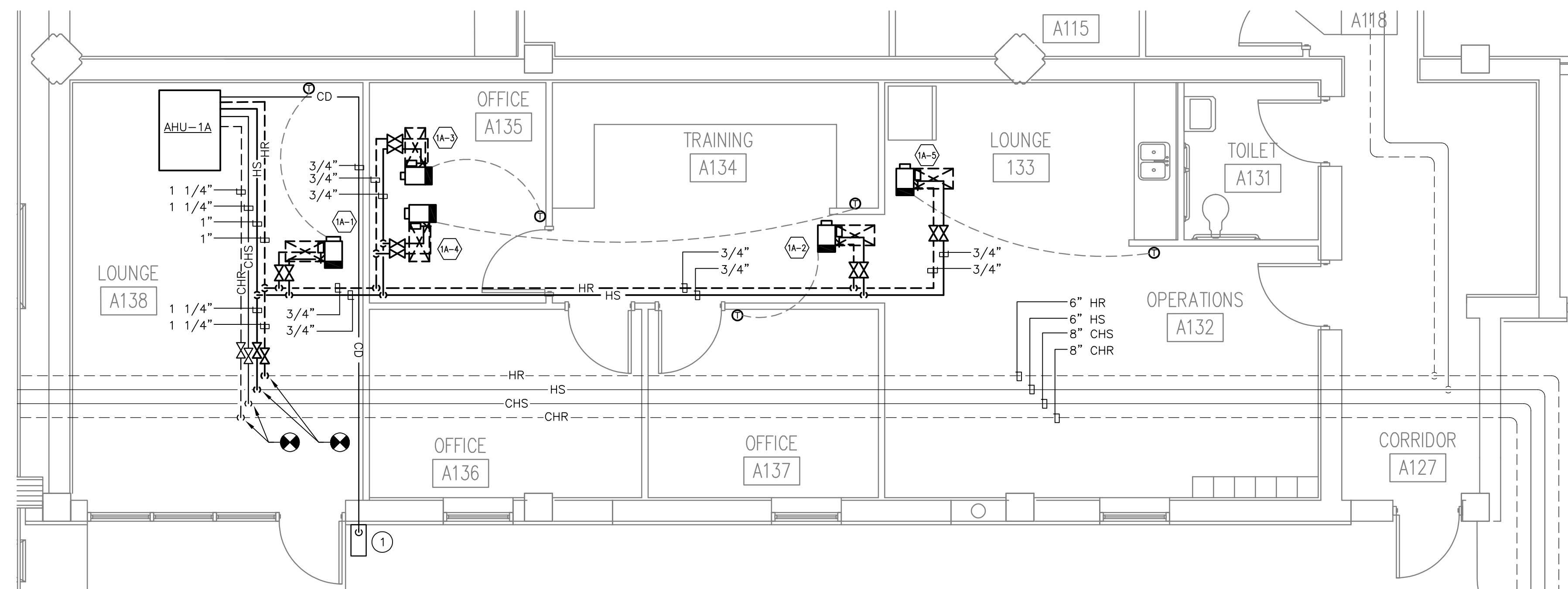
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GENERAL NOTES:

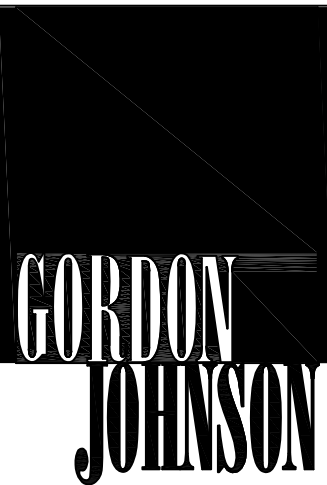
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DRAWING NOTES:

- ① ROUTE 3/4" CONDENSATE DRAIN PIPING FOR AHU-1A TO THE EXTERIOR OF THE BUILDING. PROVIDE CONCRETE SPLASH BLOCK.

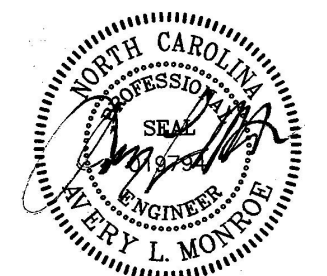


AIRLINE OFFICE NEW WORK PLAN - HVAC PIPING
SCALE: 1/4" = 1'-0"



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-mail: gordon@gordonjohnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
FIRST FLOOR MECHANICAL ENLARGED PLAN

400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
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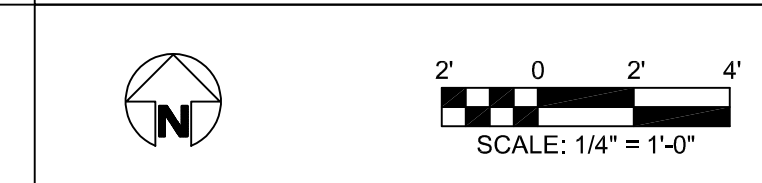
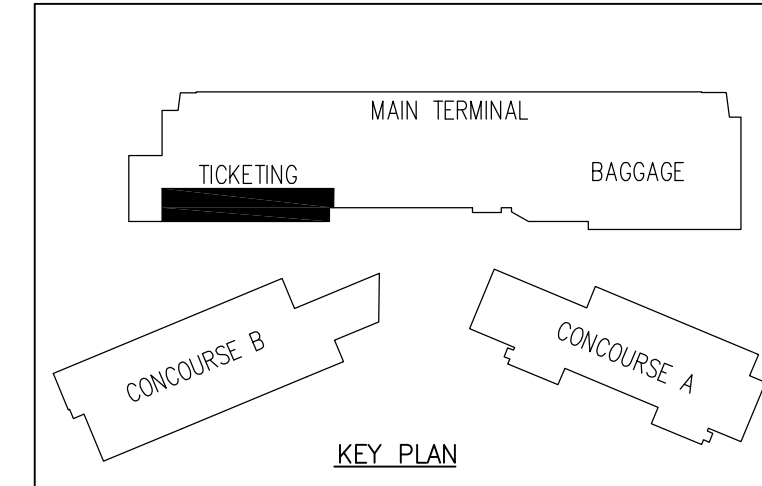
REVISIONS	

SHEET NUMBER

M4.12

FIRE RATED WALL LEGEND

---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER

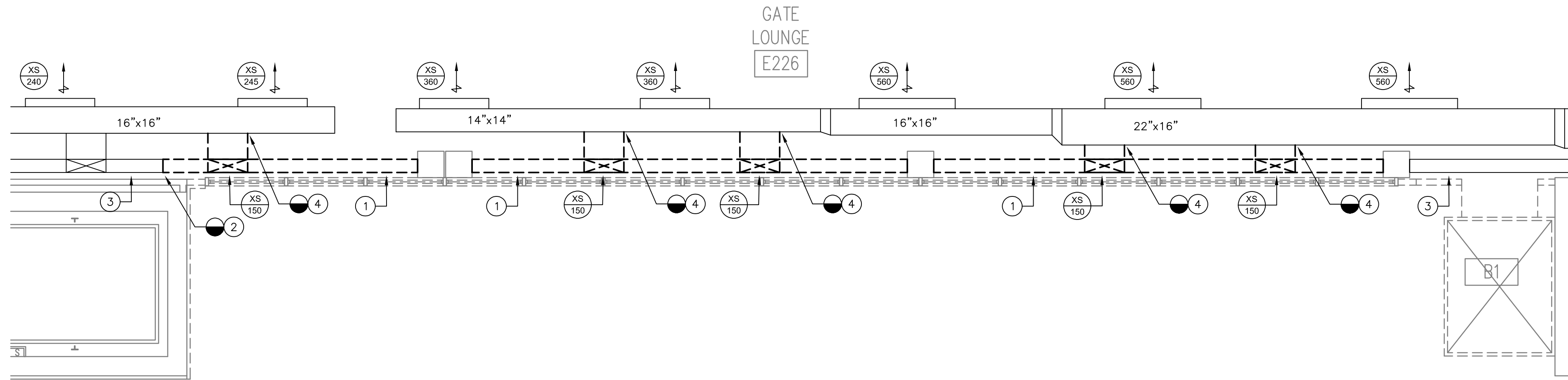


GENERAL NOTES:

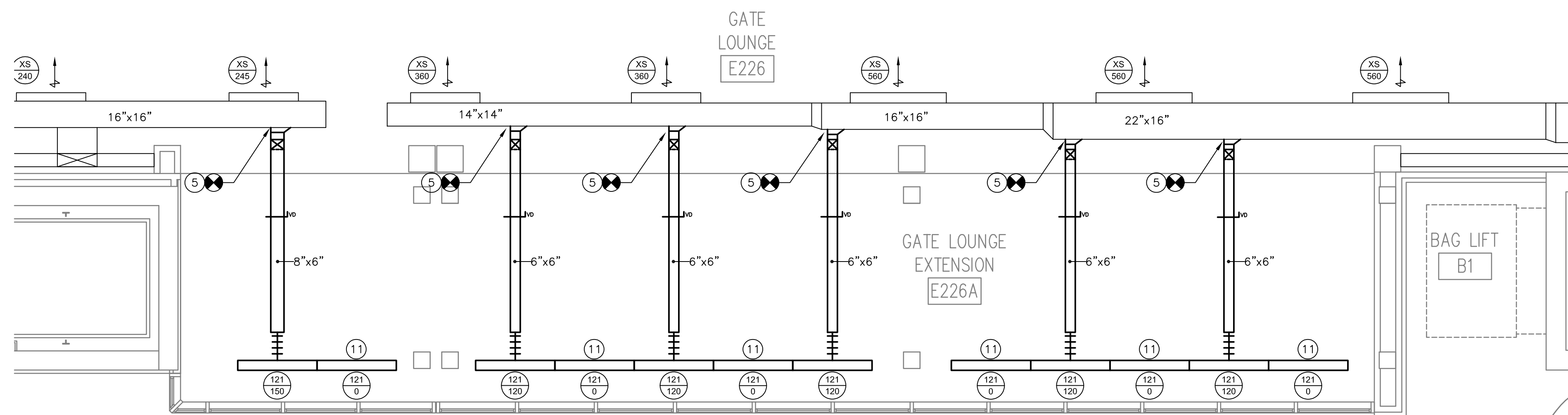
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- E. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING MECHANICAL WORK IS REMOVED, ALL DUCTWORK, PIPING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING DUCTWORK & PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK TO THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
- I. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENING AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND HATCHED" IS EXISTING AND SHALL BE DEMOLISHED.

DRAWING NOTES:

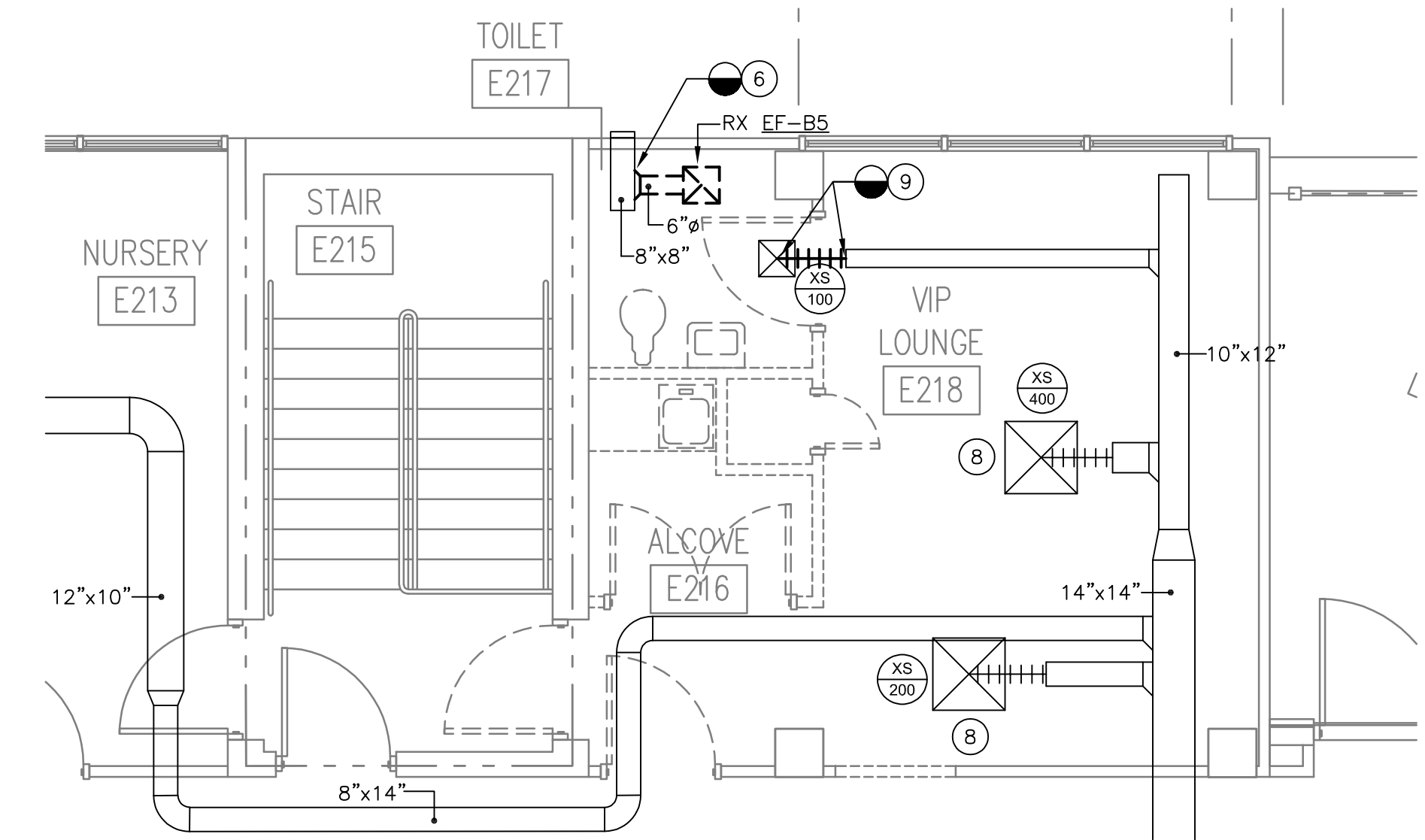
- 1 REMOVE CONTINUOUS LINEAR SLOT DIFFUSER. PATCH OPENING IN THE CEILING TO MATCH EXISTING
- 2 REMOVE CONTINUOUS SLOT DIFFUSER BACK TO THIS POINT. CAP OPEN END OF SUPPLY PLENUM ABOVE THE CEILING.
- 3 EXISTING CONTINUOUS SLOT DIFFUSER TO REMAIN.
- 4 DISCONNECT LINEAR SLOT DIFFUSER SUPPLY DUCTWORK FROM THE MAIN AND CAP.
- 5 CONNECT NEW SUPPLY DUCTWORK TO EXISTING MAIN.
- 6 REMOVE EXISTING EF-B5. MAINTAIN EXISTING 8"x8" DUCTWORK.
- 7 PROVIDE NEW EXHAUST FAN EF-B5. CONNECT NEW 8"Ø DUCTWORK TO THE EXISTING 8"x8" DUCTWORK. EXTEND DUCTWORK AS NEEDED TO MAKE FINAL CONNECTION. NEW FAN SHALL OPERATE THROUGH AN OCCUPANCY SENSOR. SEE SCHEDULE FOR ADDITIONAL INFORMATION.
- 8 EXISTING SUPPLY DIFFUSER TO REMAIN.
- 9 DISCONNECT EXISTING SUPPLY DIFFUSER AND RELOCATE TO ALIGN WITH THE NEW CEILING GRID IN TOILET E217.
- 10 RELOCATE EXISTING SUPPLY DIFFUSER TO ALIGN WITH THE NEW CEILING GRID IN TOILET E217. EXTEND FLEX DUCTWORK AS NEEDED. DO NOT EXCEED 5'-0" OF FLEX DUCTWORK. REBALANCE AIRFLOW BACK TO THE EXISTING VALUE SHOWN.
- 11 BLANK OFF NEW LINEAR SLOT DIFFUSER. PLENUM BOX IS NO REQUIRED.



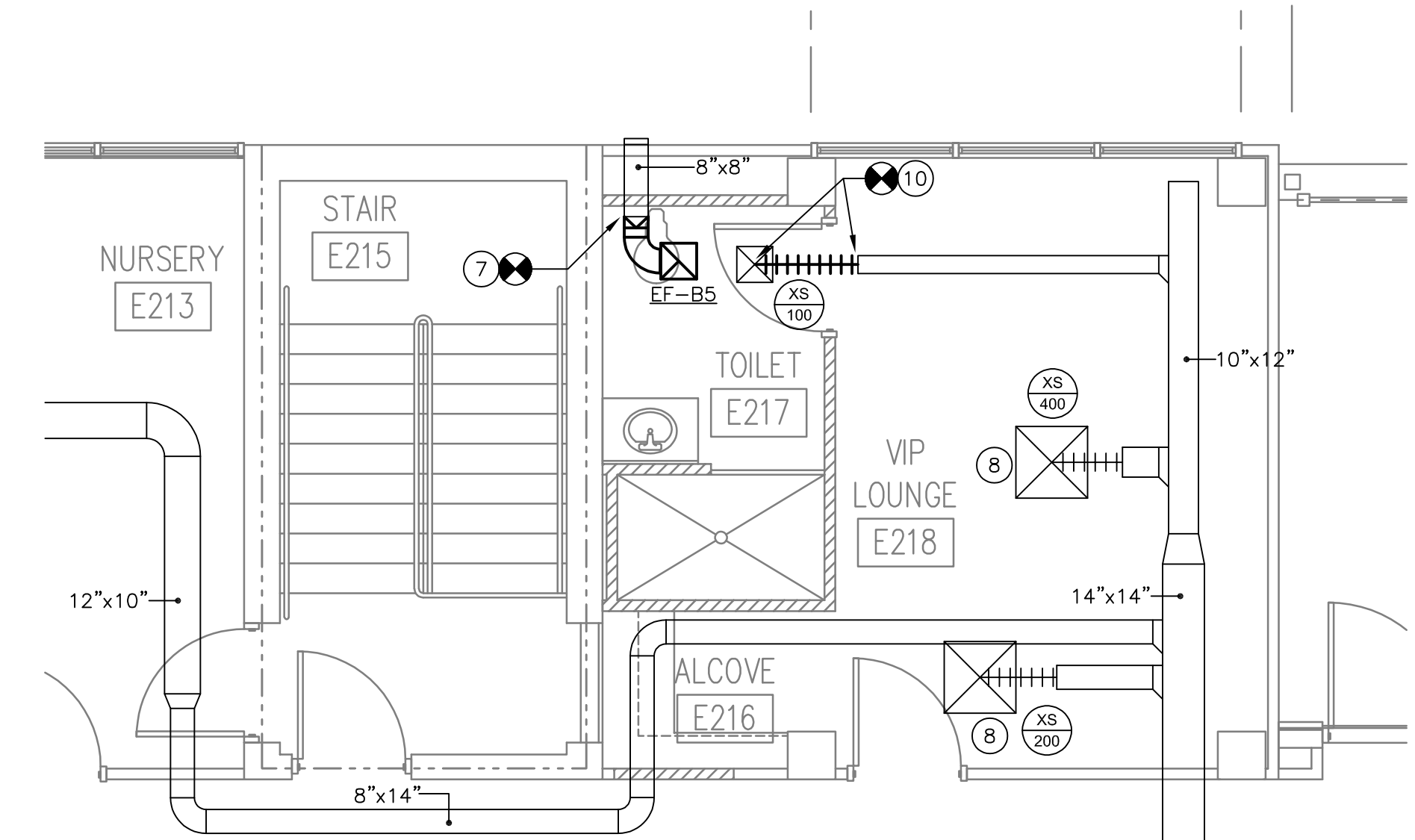
GATE EXTENSION DEMOLITION PLAN - DUCTWORK
SCALE: 1/4" = 1'-0"



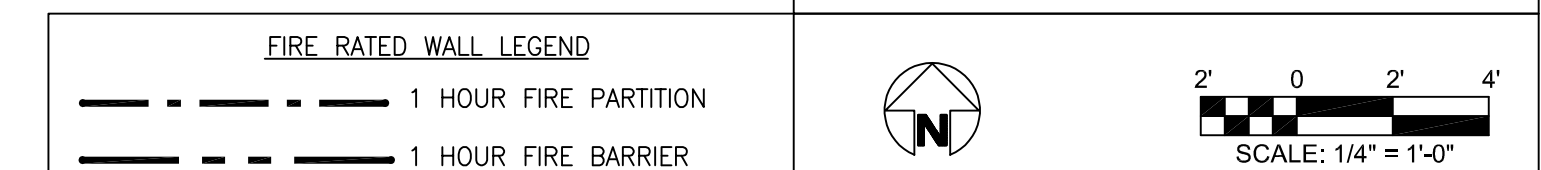
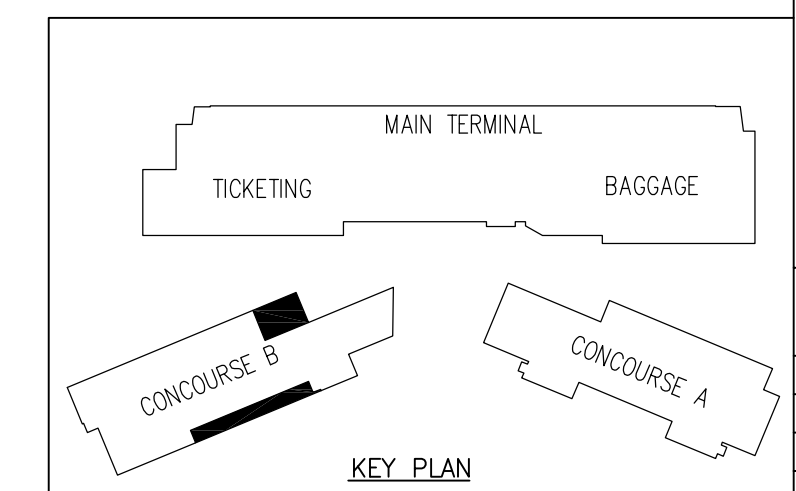
GATE EXTENSION NEW WORK PLAN - DUCTWORK
SCALE: 1/4" = 1'-0"



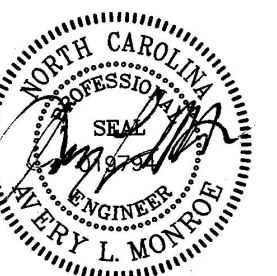
LOUNGE DEMOLITION PLAN - DUCTWORK
SCALE: 1/4" = 1'-0"



LOUNGE NEW WORK PLAN - DUCTWORK
SCALE: 1/4" = 1'-0"



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E: M O I
gordon@johnsonarchitecture.com
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1/18, 8/24, 11/21, 1/24



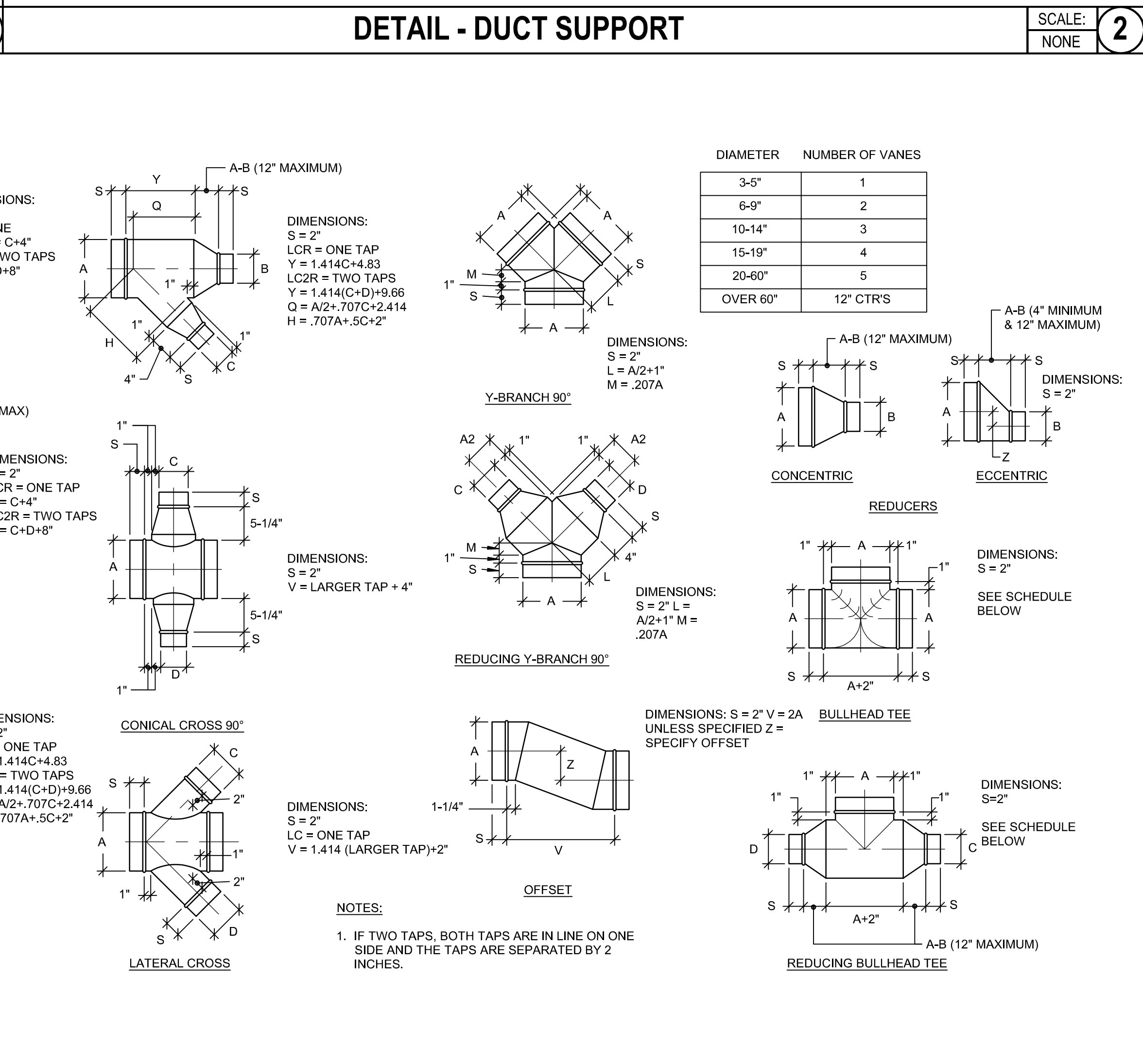
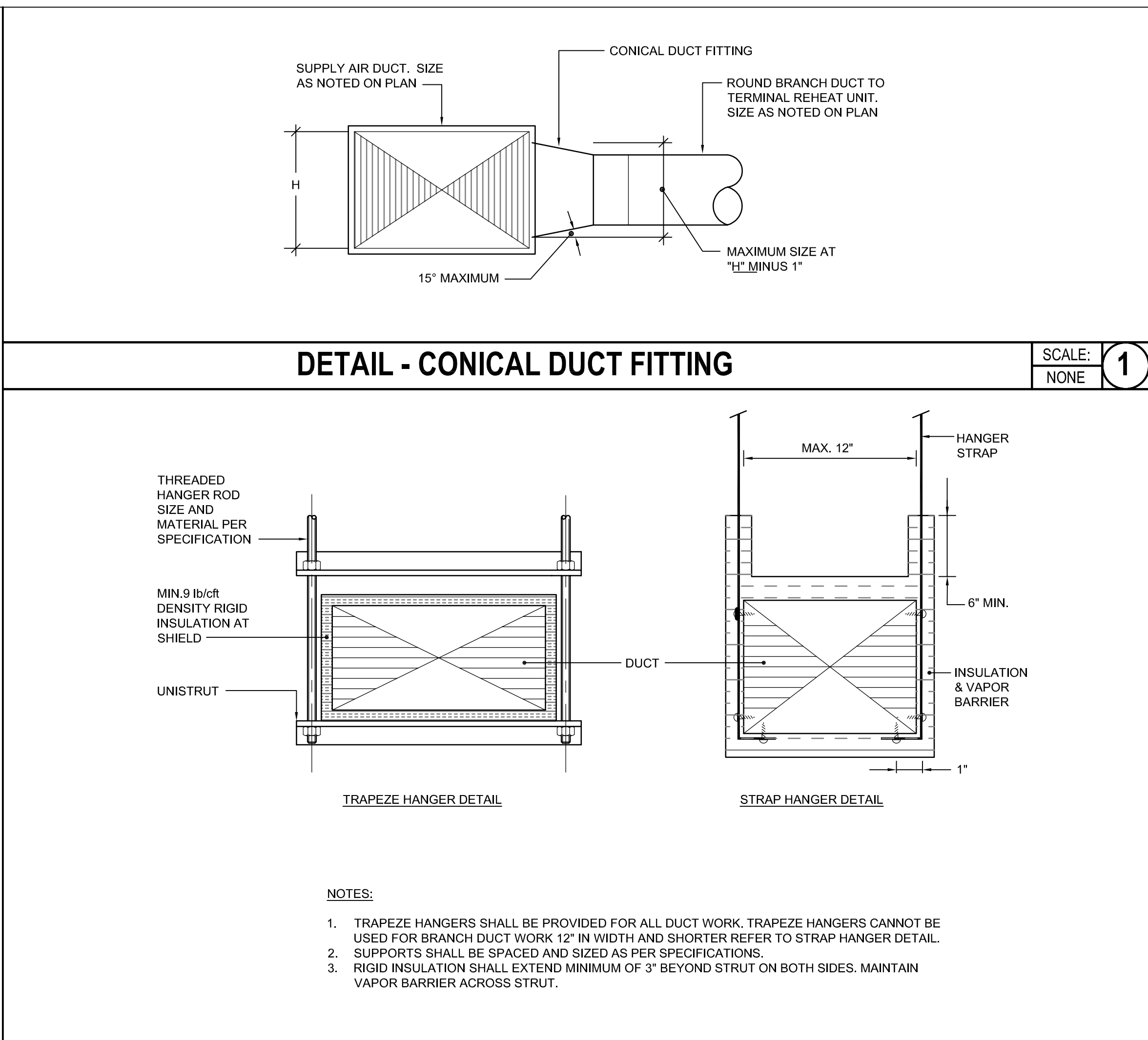
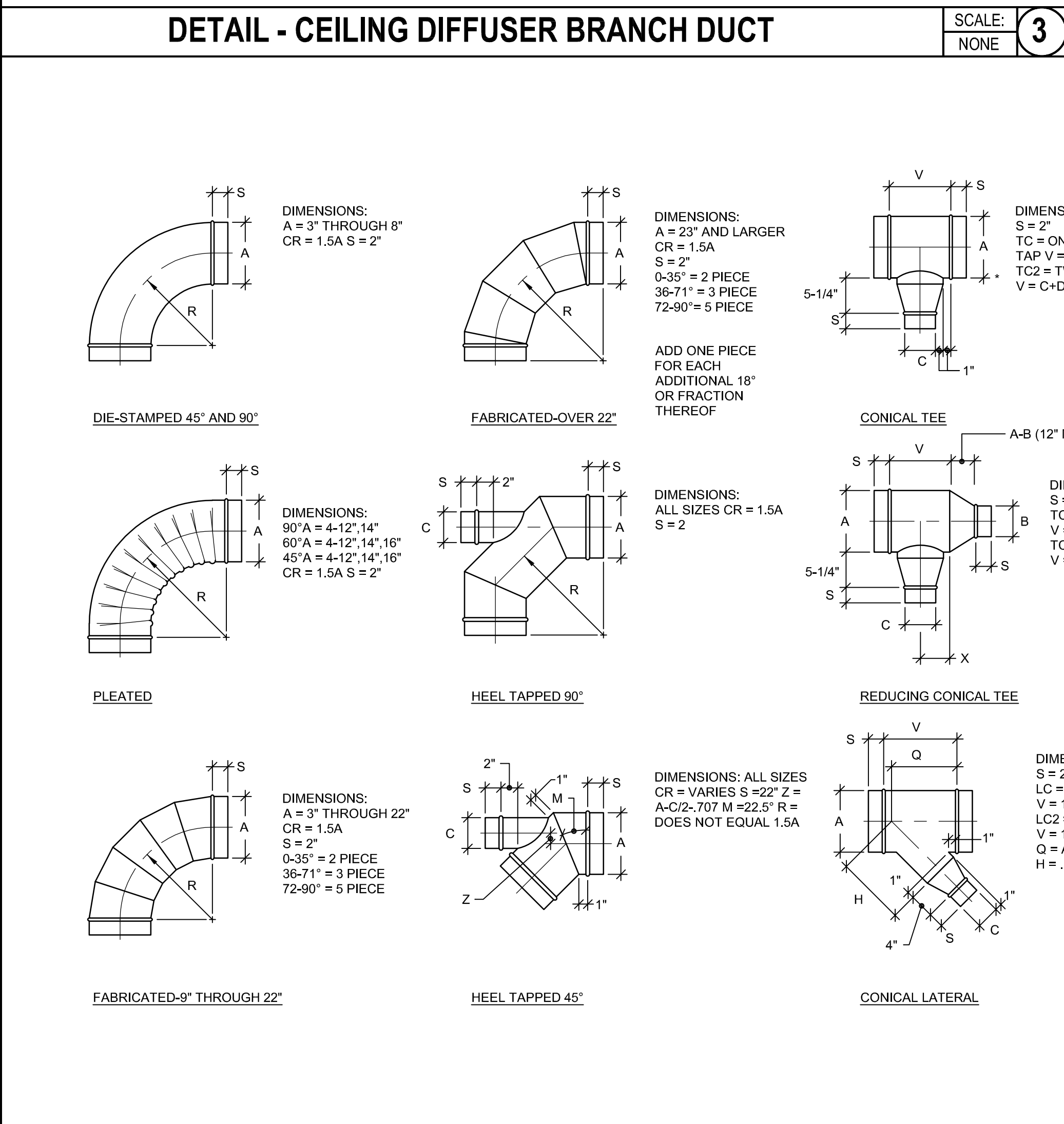
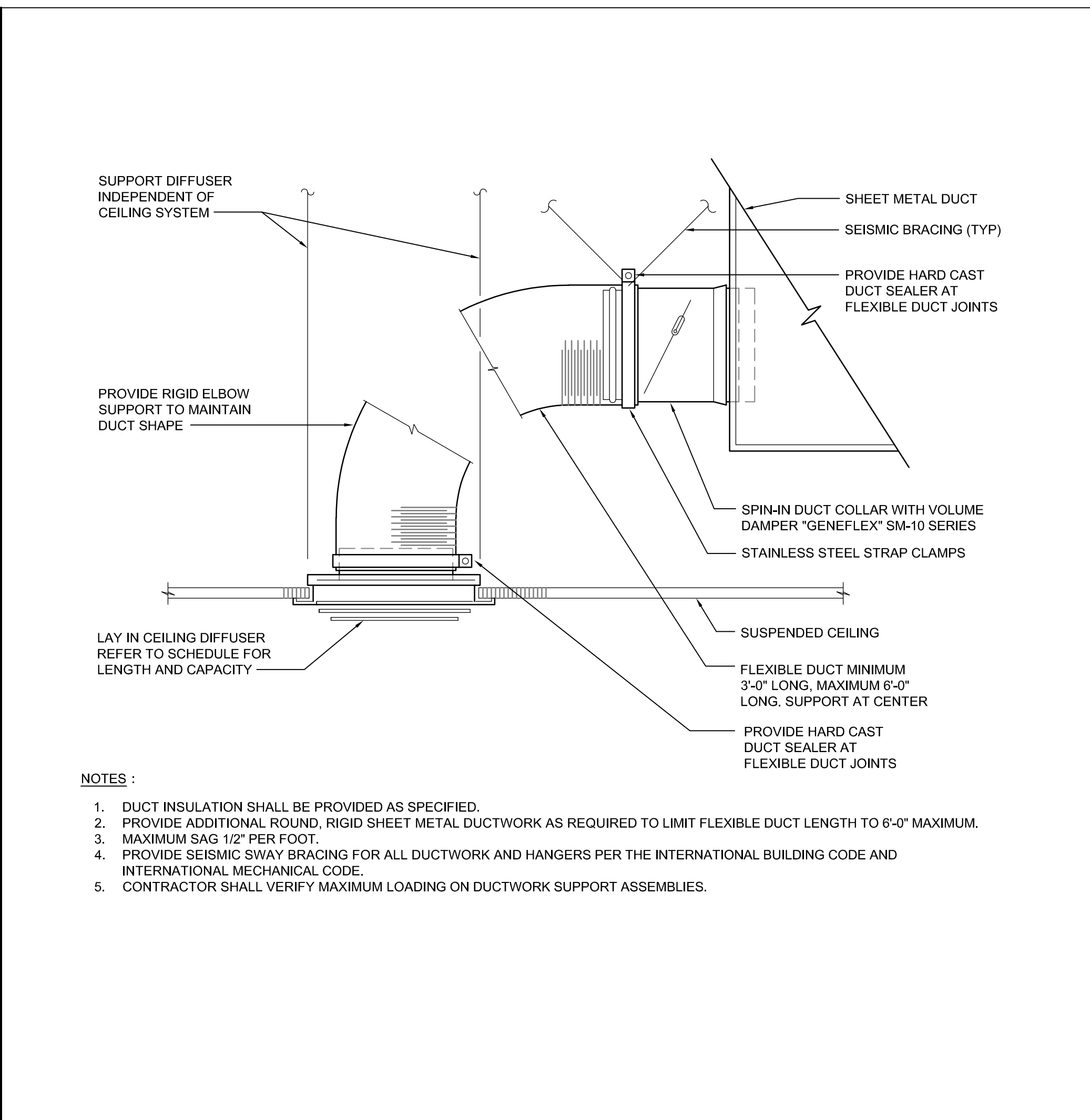
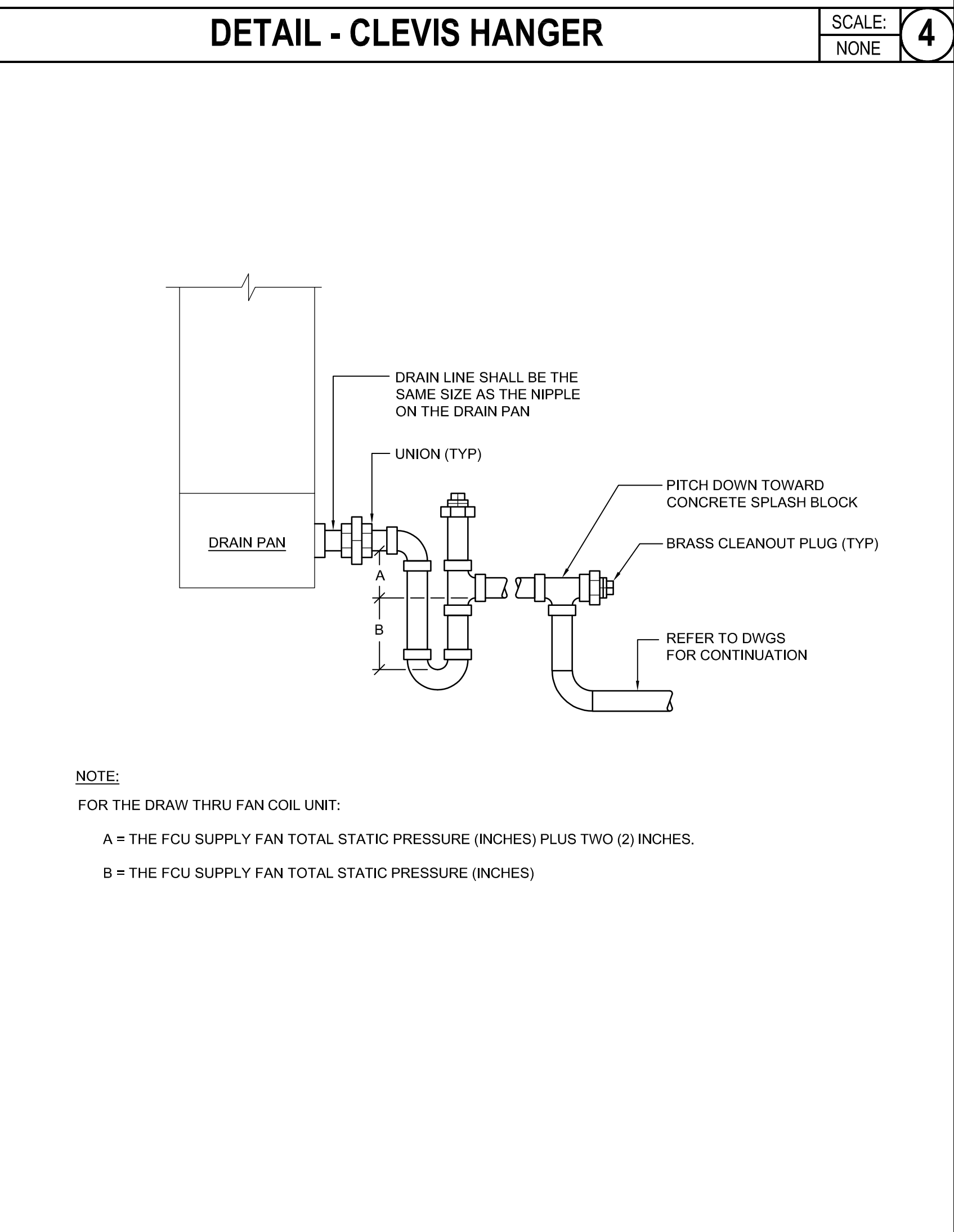
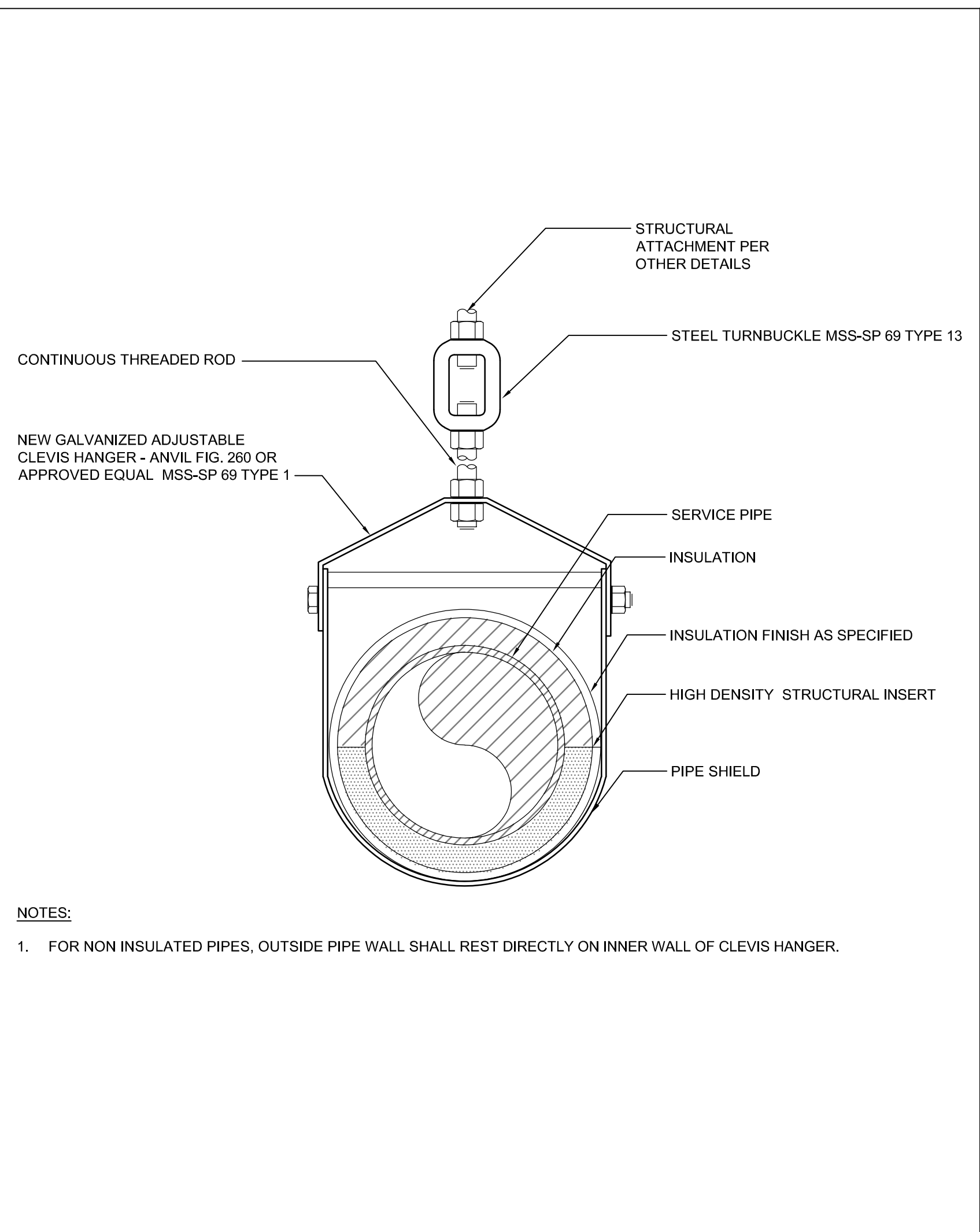
07/31/23

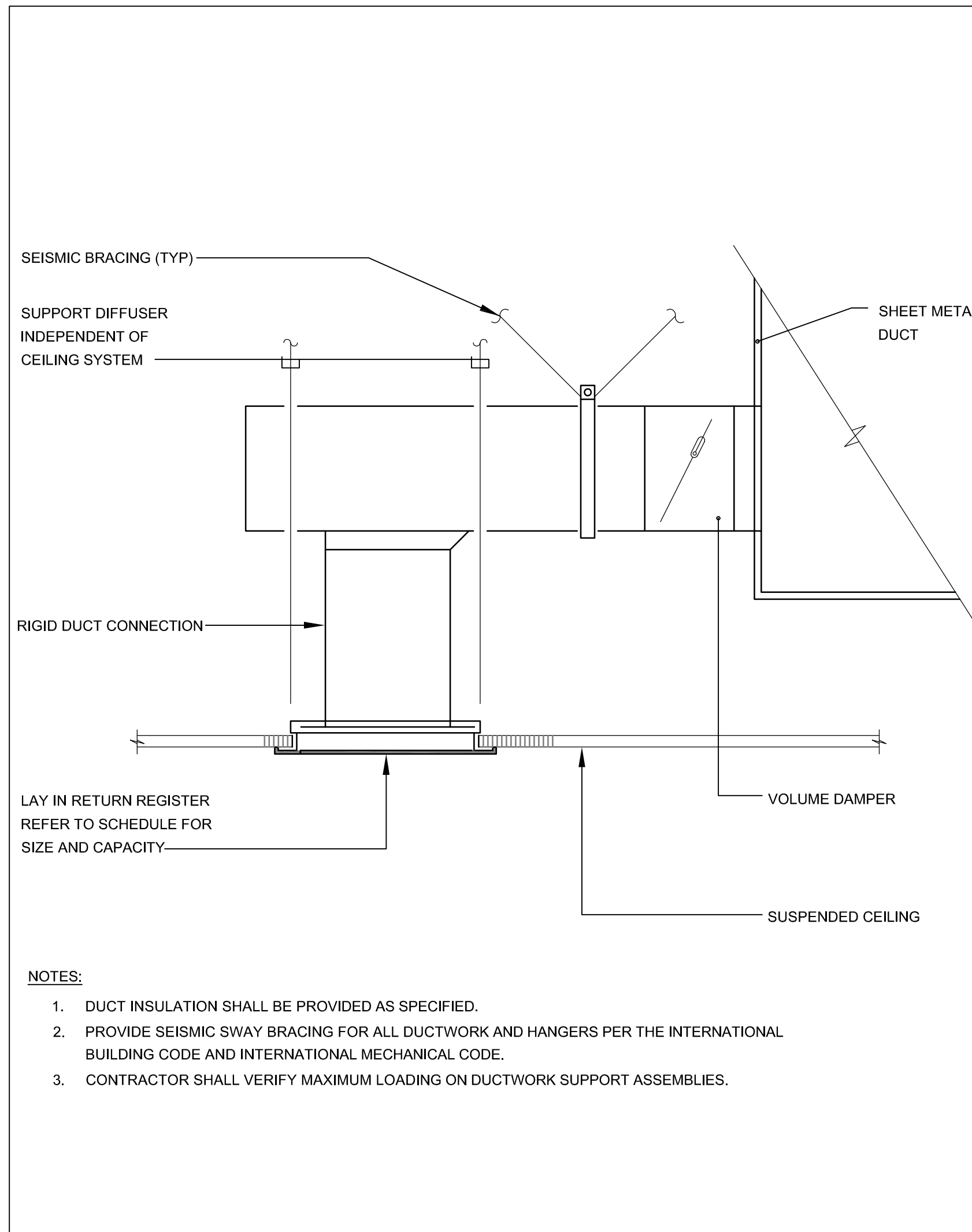
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
SECOND FLOOR MECHANICAL ENLARGED PLANS
400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

REVISIONS	

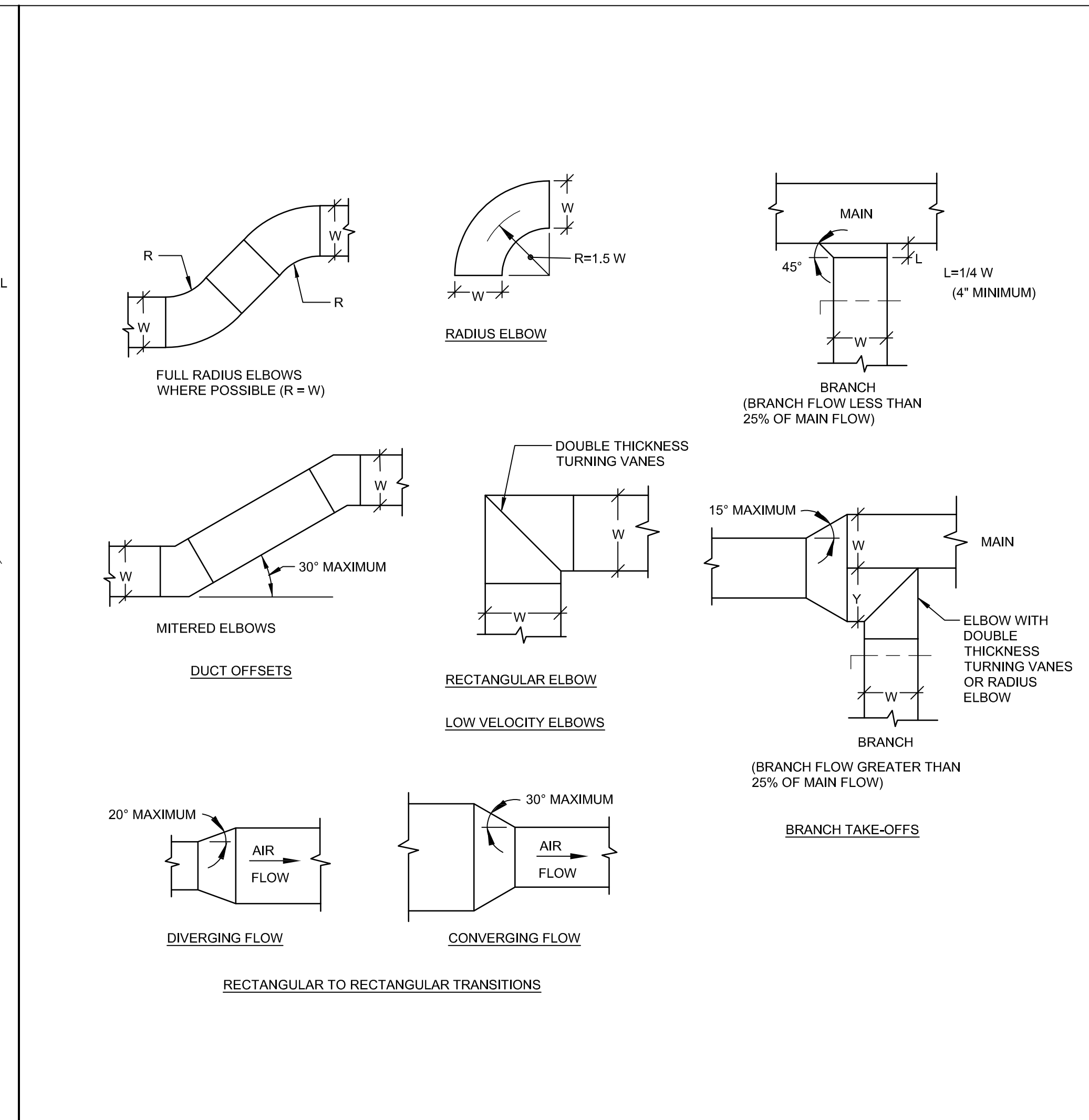
SHEET NUMBER
M4.21





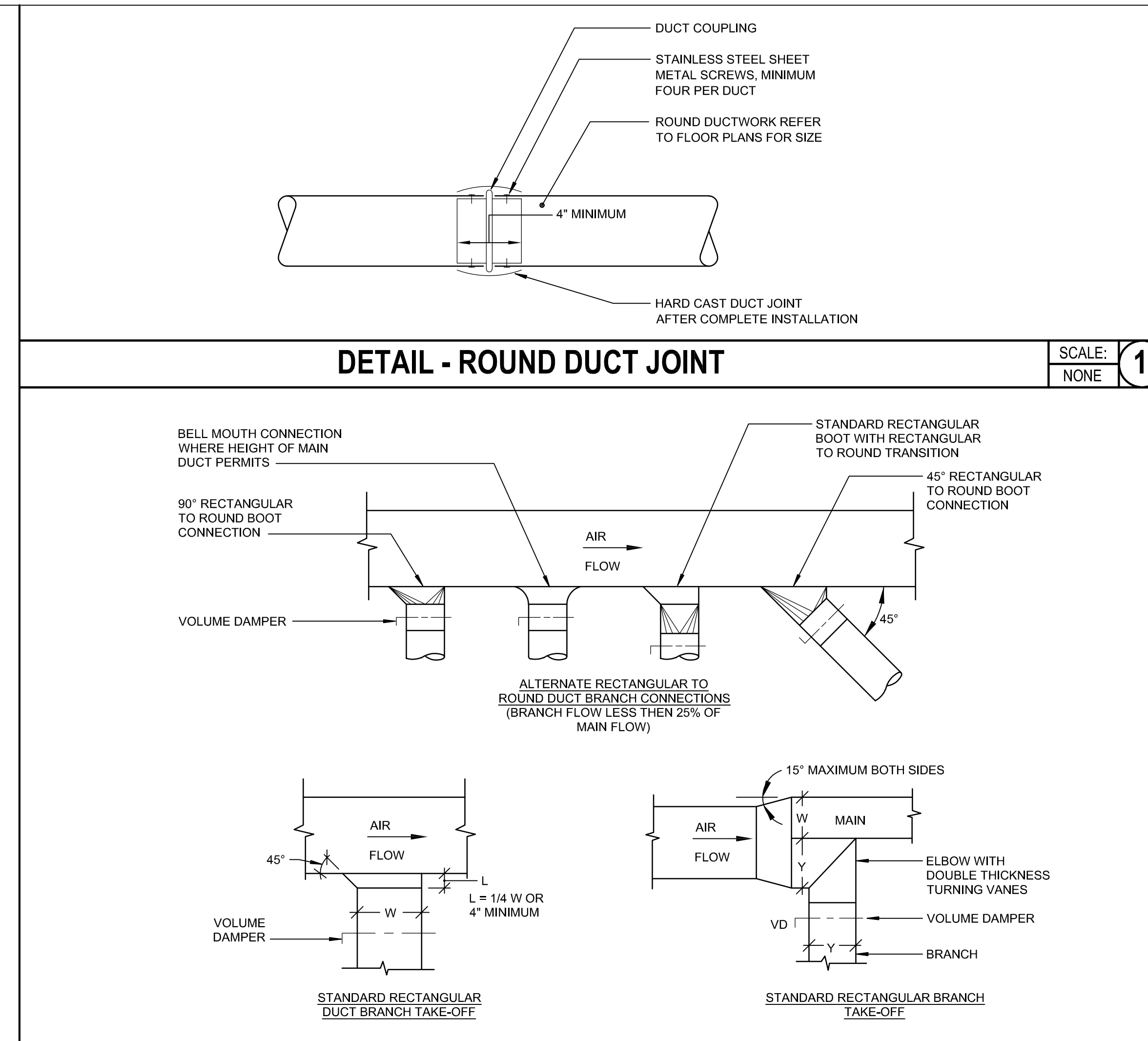
DETAIL - RETURN / EXHAUST BRANCH DUCT

SCALE: NONE **4**



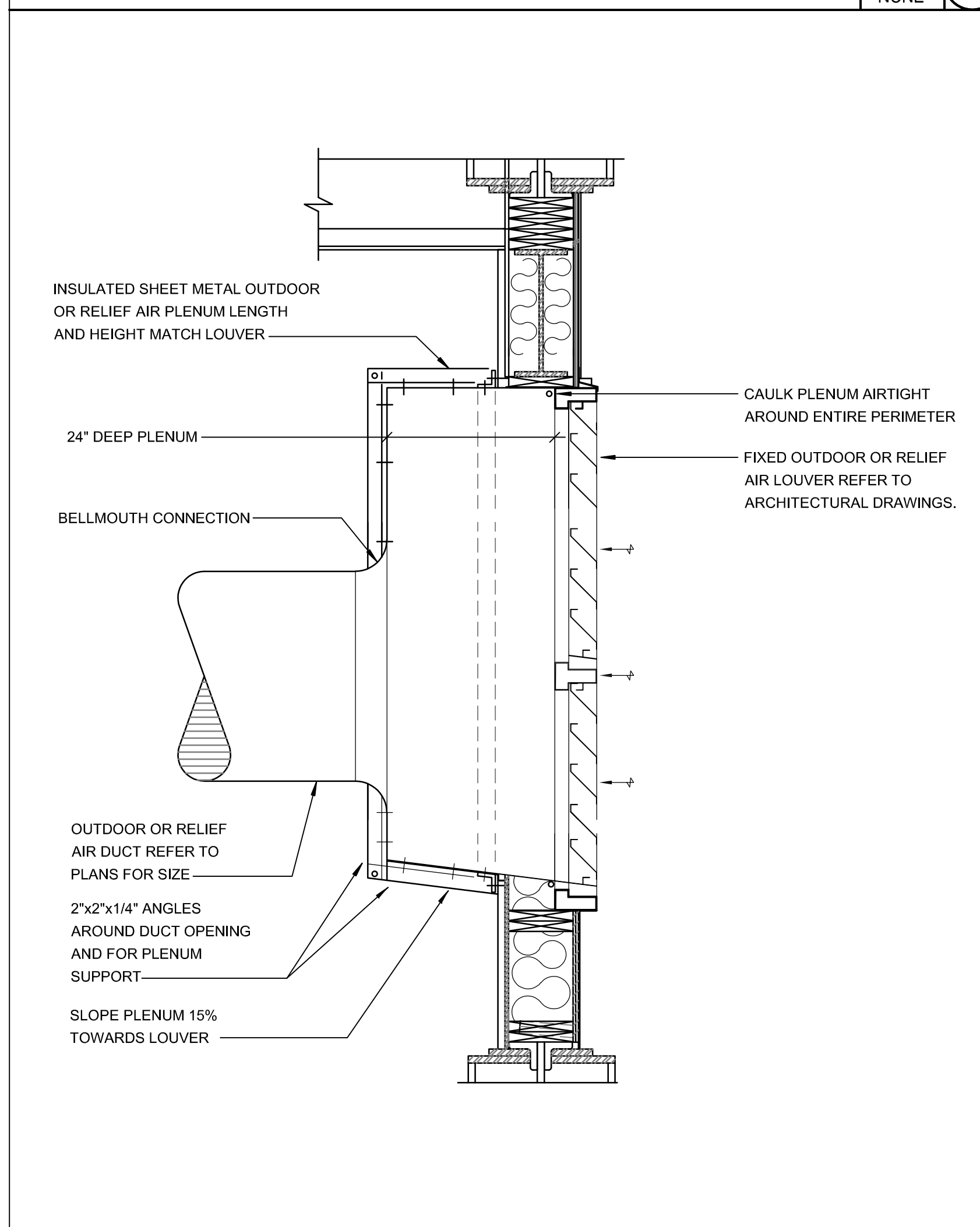
DETAIL - RECTANGULAR DUCT FITTINGS

SCALE: NONE **3**



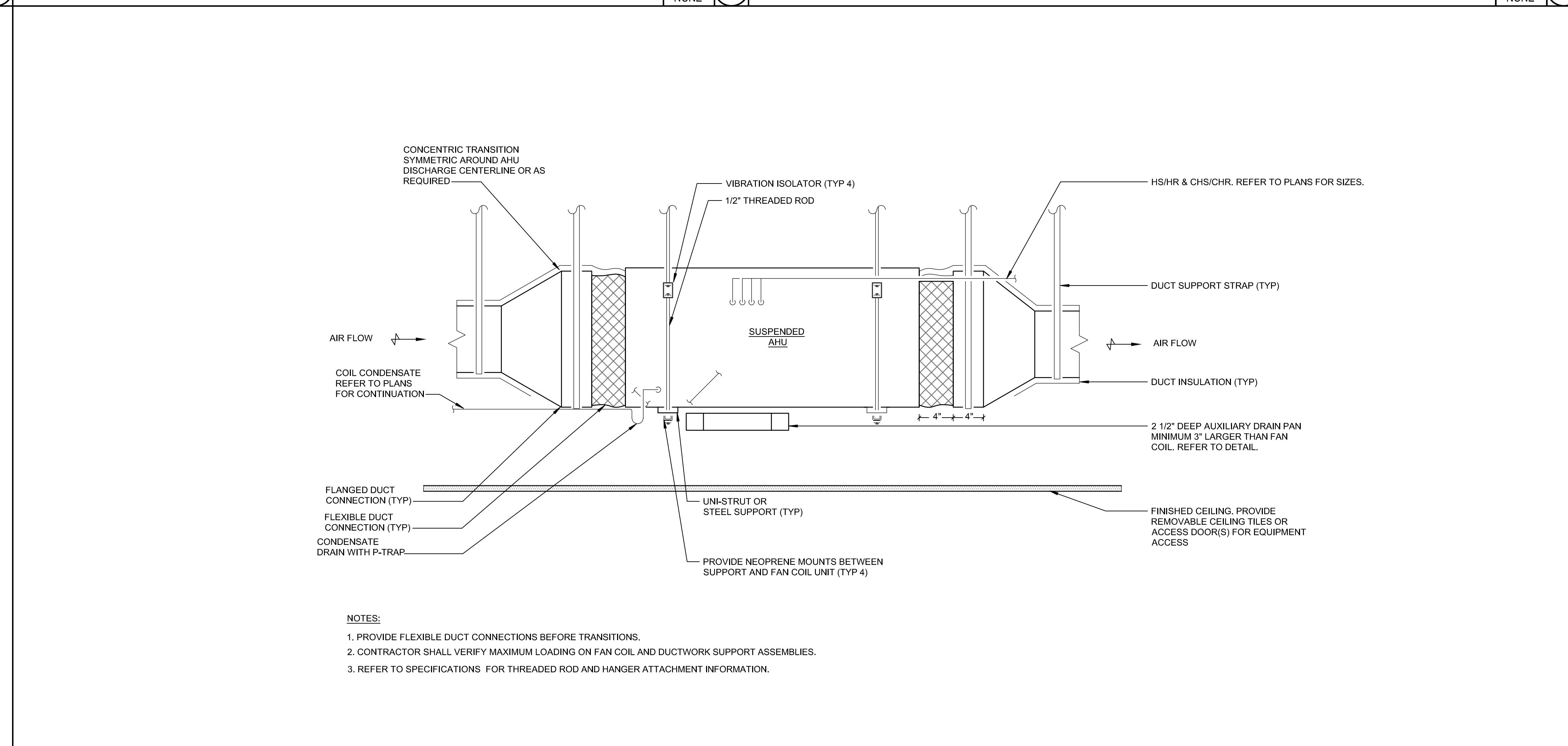
DETAIL - LOW VELOCITY BRANCH TAKE-OFF

SCALE: NONE **2**



DETAIL - OUTDOOR AIR INTAKE PLENUM

SCALE: NONE **6**



DETAIL - SUSPENDED AHU

SCALE: NONE **5**

GORDON JOHNSON Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2189
 gordon@gordonjohnsonarchitecture.com
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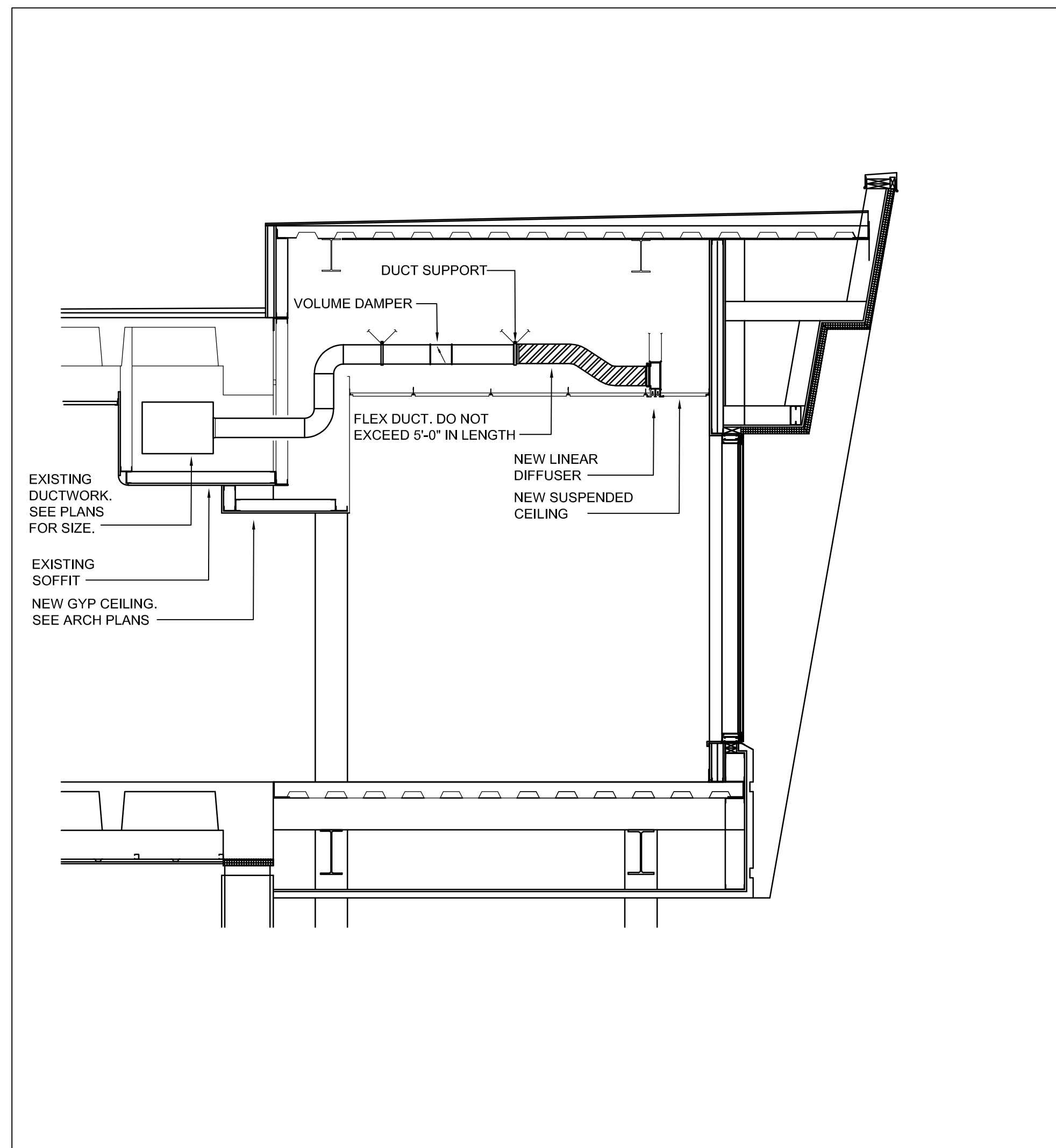
North Carolina Professional Seal:
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Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 MECHANICAL DETAILS
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: BMC
 REVIEWED BY: ALM
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

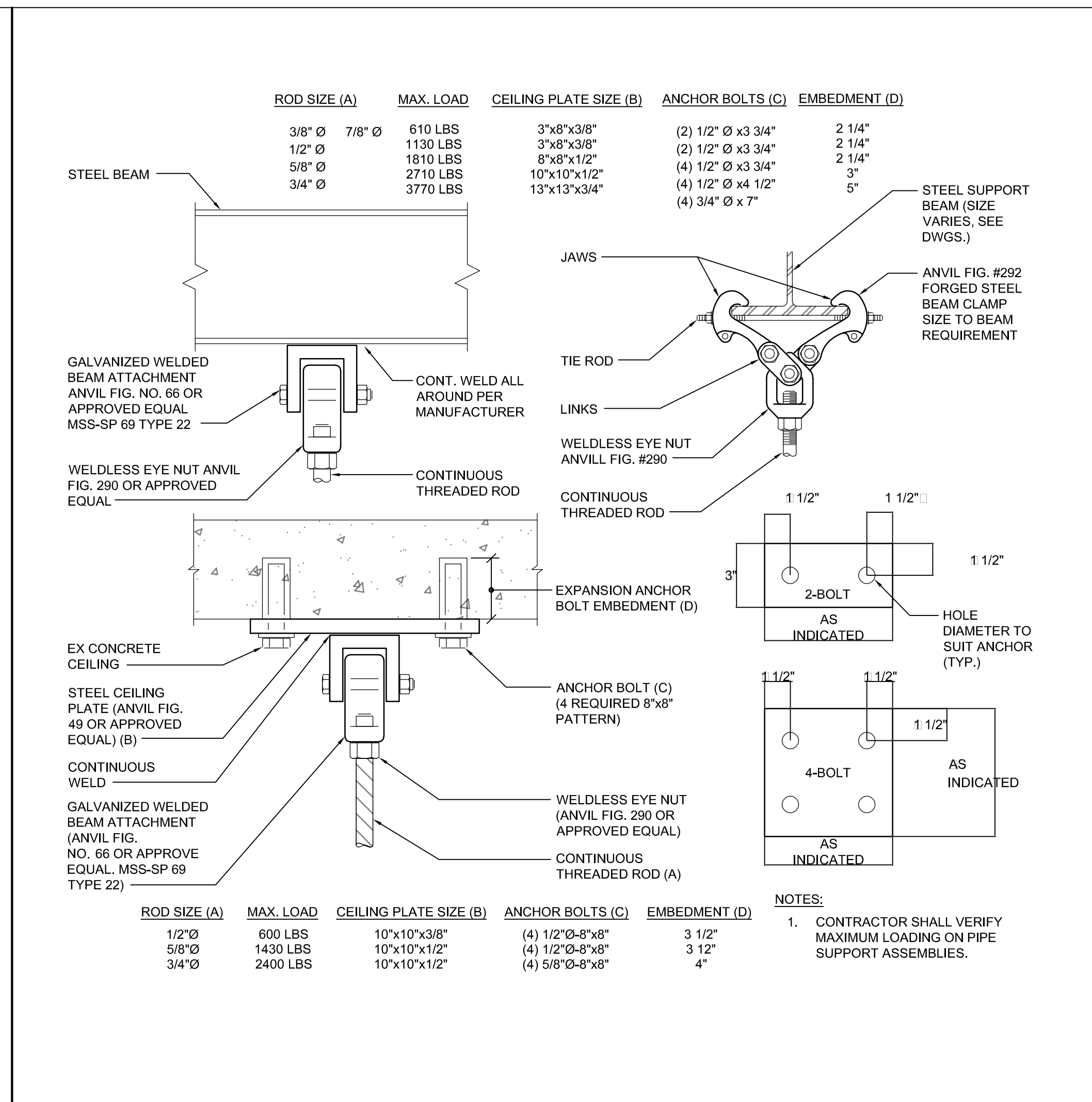
NO.	REVISIONS

SHEET NUMBER
M5.02



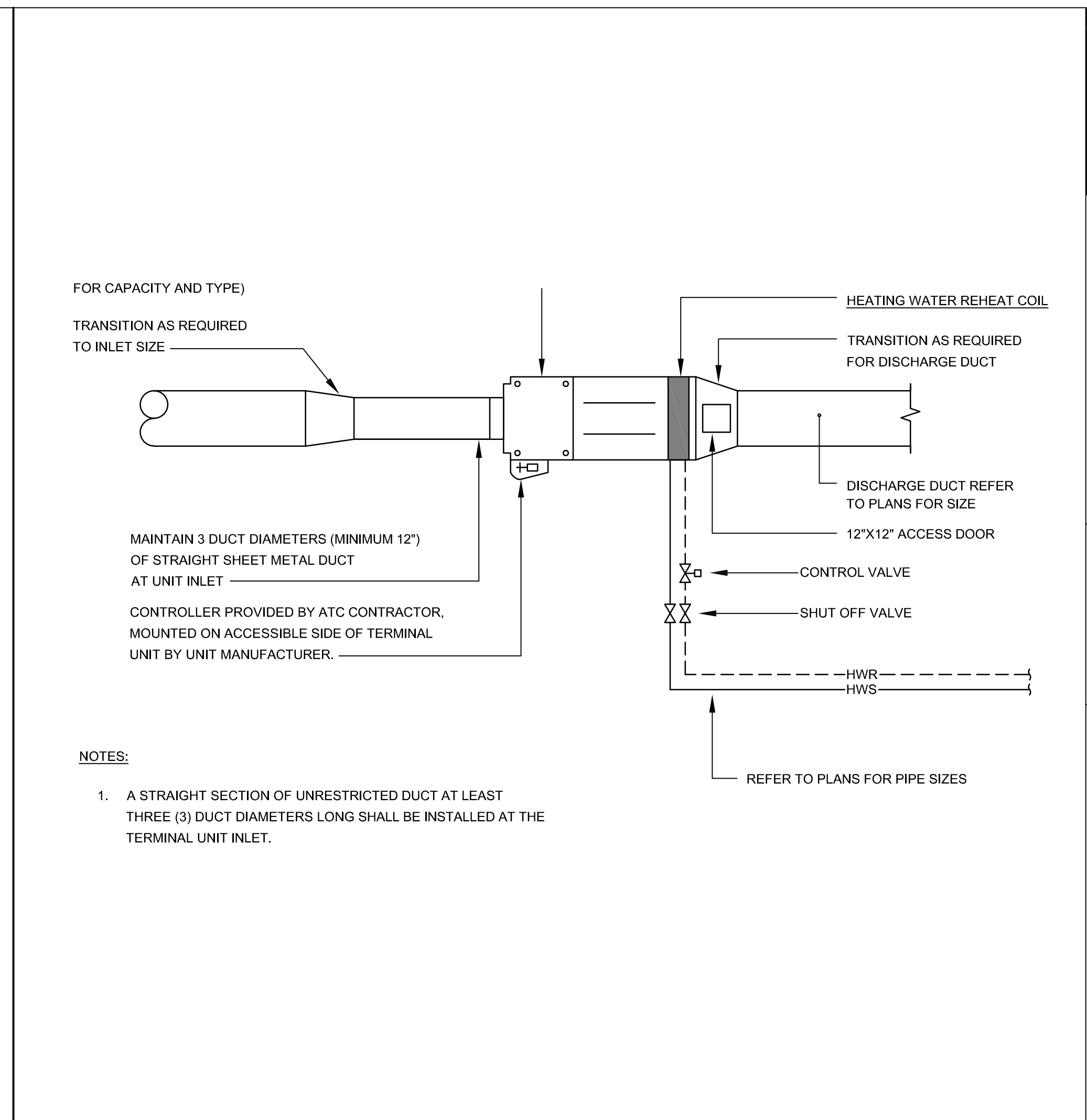
DETAIL - CONCOURSE EXPANSION DUCTWORK

SCALE: NONE 3



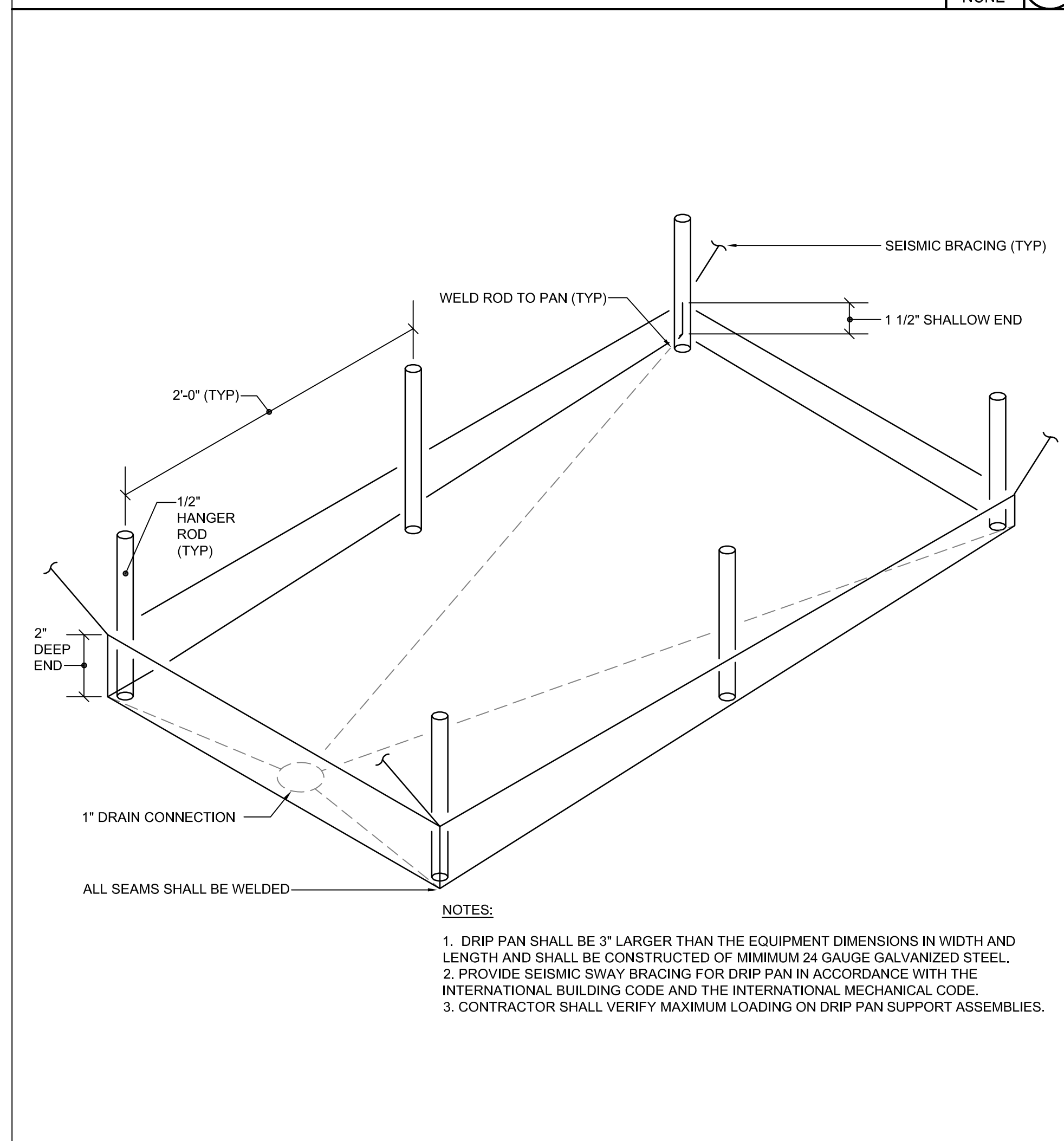
DETAIL - BUILDING ATTACHMENTS

SCALE: NONE 2



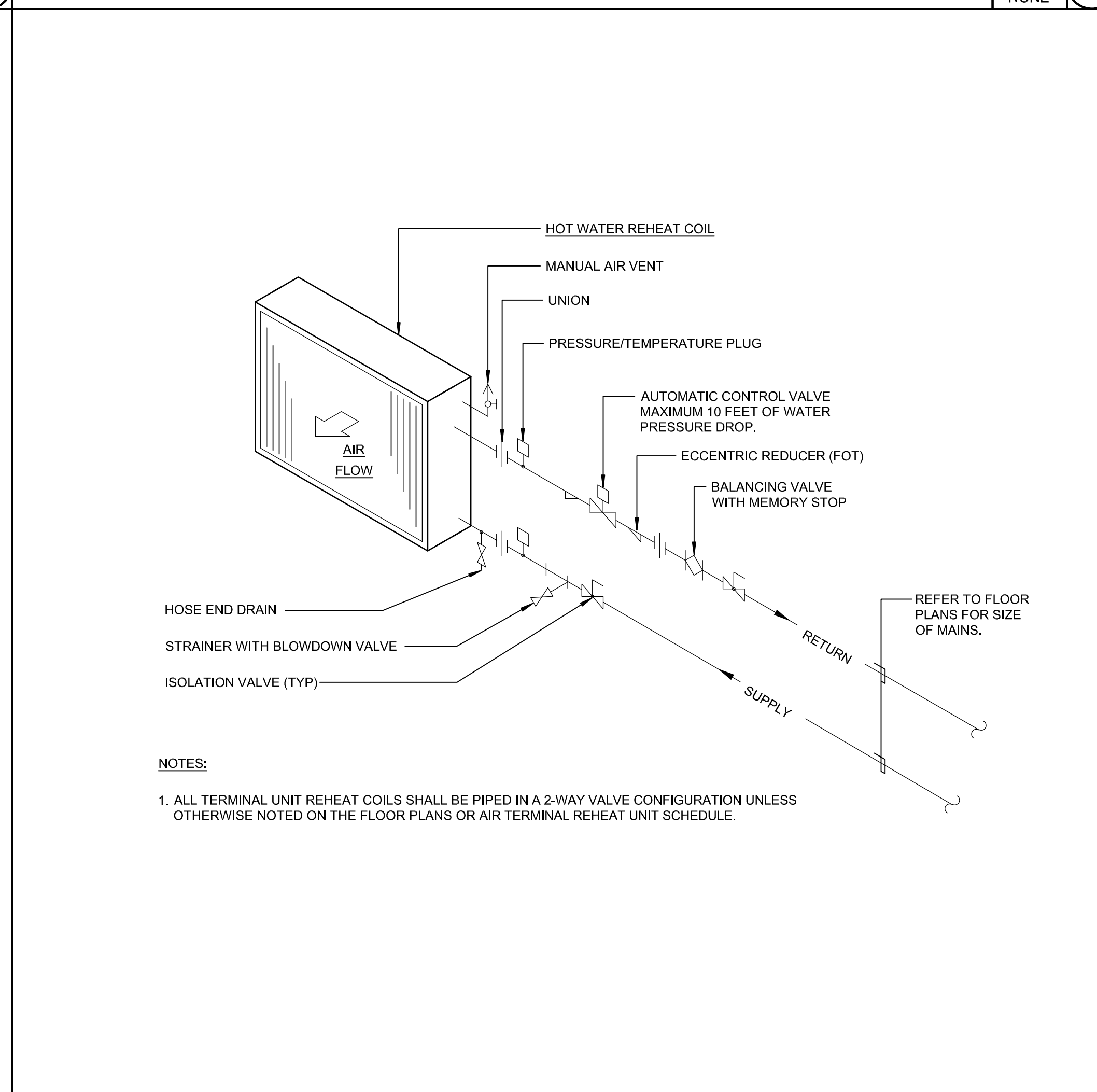
DETAIL - TERMINAL UNIT WITH REHEAT

SCALE: NONE 1



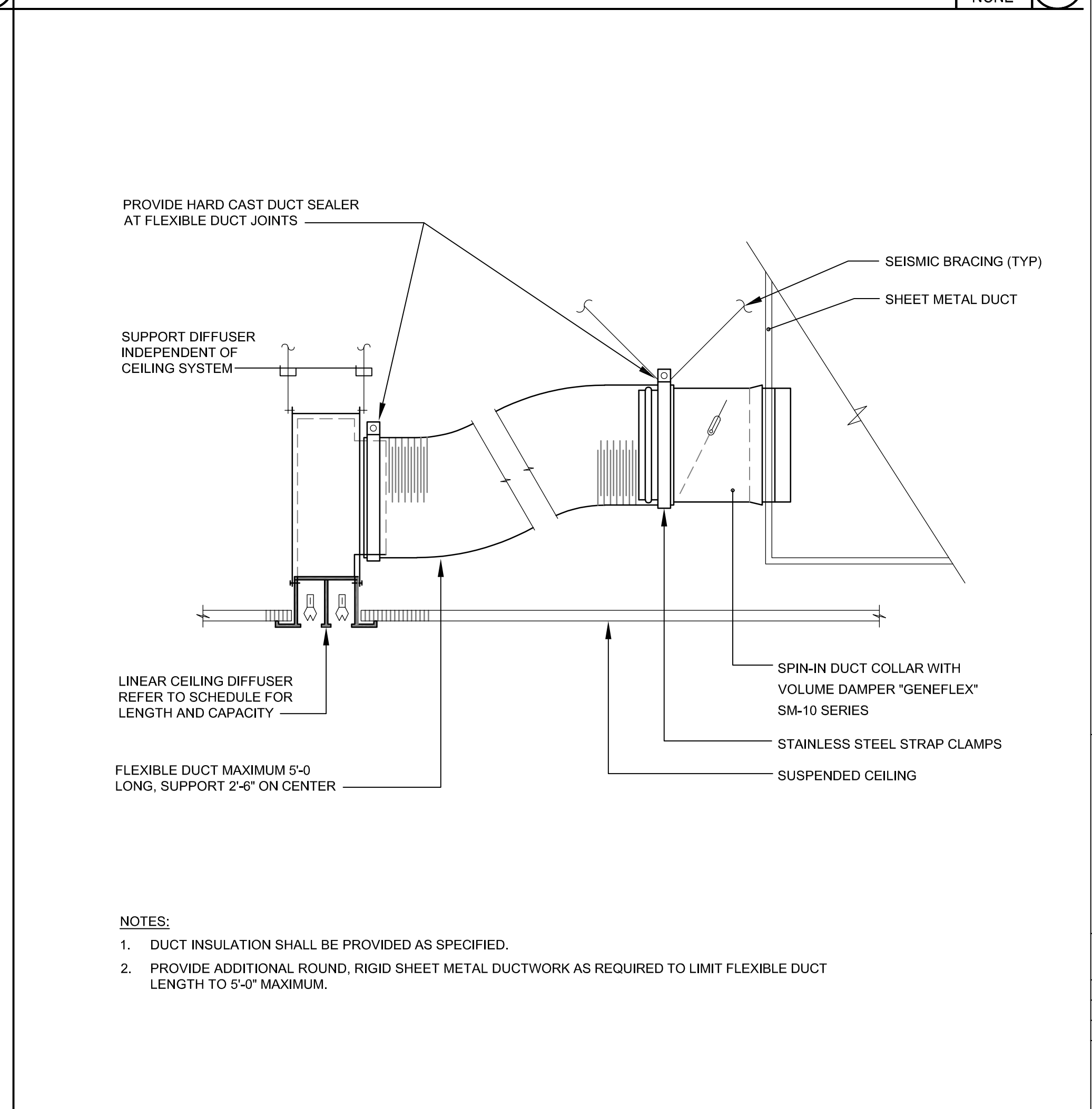
DETAIL - AUXILIARY DRAIN PAN

SCALE: NONE 6



DETAIL - 2-WAY HYDRONIC COIL

SCALE: NONE 5



DETAIL - LINEAR DIFFUSER INSTALLATION

SCALE: NONE 4

GORDON JOHNSON
Architecture

654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
E-Mail: gordon@gordonjohnsonarchitecture.com
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NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12/31/2024
JERRY L. MONROE
07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3

MECHANICAL DETAILS

400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: BMC
REVIEWED BY: ALM
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

NO.	REVISIONS

SHEET NUMBER
M5.03

AIR HANDLING UNIT SCHEDULE

DESIGNATION	SERVICE	FAN SECTION				COOLING SECTION								HEATING SECTION						ELECTRICAL			APPROX WEIGHT (LBS)	REMARKS								
		CFM	MIN. OA CFM	ESP INCH H ₂ O	MOTOR		EAT °F		LAT °F		TOTAL MBH	SENS MBH	GPM @ 44°F EWT 56°F LWT	MAXIMUM H ₂ O PD FT H ₂ O	MIN TOTAL FACE AREA (SF)	MAXIMUM FACE VEL FPM	MIN ROWS	EAT °F	LAT °F	MBH @180°F EWT	GPM @30°F ΔT	MAXIMUM H ₂ O PD FT H ₂ O			MAXIMUM AIR PD IN H ₂ O	MIN TOTAL FACE AREA (SF)	MAXIMUM FACE VEL FPM	MIN ROWS	V/PH/Hz	FLA	MCA	MOCP
					NO.	HP	DB	WB	DB	WB																						
AHU-1A	AIRLINE OFFICES	1,290	395	1.20	1	1.5	81.6	67.14	52.77	51.69	57	39	10.0	8.0	-	490	4	40	60	28	1.85	2.0	0.1	-	490	1	480/3/60	2.5	3.13	15.0	221.9	1, 2, 3, 4, 5, 6

NOTES:

1. PROVIDE FIELD MOUNTED VFD W/DISCONNECT & BYPASS W/BACNET INTERFACE.
2. SEE SPECIFICATION 237313 FOR EQUIVALENT MANUFACTURERS.
3. SUPPORT AHU FROM STRUCTURE ABOVE
4. PROVIDE 2" PLEATED MERV 13 FILTER
5. BASIS OF DESIGN: TRANE BCHE054
6. PROVIDE OVERFLOW DRAIN PAN THAT DISABLES THE UNIT AND SENDS A SIGNAL TO THE BAS WHEN WATER IS DETECTED.

FAN SCHEDULE

DESIGNATION	SERVICE	CFM	SP INCH H ₂ O	APPROX RPM	BHP	HP (MOTOR SIZE)	DRIVE	ELECTRICAL				APPROX WEIGHT (LBS)	BASIS OF DESIGN (GREENHECK)	REMARKS
								V/PH/Hz	FLA	MCA	MOP			
EF-6	TOILET A131	75	0.5	773	0.01	-	DIRECT	115/1/60	0.29	0.4	15	8	SP-LP0511-1	1, 3, 4
EF-B5	TOILET E217	150	0.5	825	0.07	-	DIRECT	115/1/60	0.46	0.6	15	23	CSP-A200	2, 3, 4

NOTES:

1. PROVIDE UL LISTING, DISCONNECT SWITCH, HANGING SPRING ISOLATORS AND 45 DEGREE DISCHARGE WITH BIRD SCREEN AND BACKDRAFT DAMPER.
2. PROVIDE UL LISTING, DISCONNECT SWITCH AND HANGING SPRING ISOLATORS.
3. FAN SHALL BE OPERATED BY OCCUPANCY SENSOR.
4. SEE SPECIFICATIONS FOR EQUIVALENT MANUFACTURERS.

AIR DEVICE SCHEDULE

No CFM	SERVICE	CFM	SIZE	BLOW	BASIS OF DESIGN	REMARKS
101	SUPPLY	0-115	24"x24"	4-WAY	PRICE - SPD	6"ø NECK
102	SUPPLY	116-205	24"x24"	4-WAY	PRICE - SPD	8"ø NECK
121	SUPPLY	0-190	6"Wx4"-0"L	-	PRICE - SDS75	6" ø NECK, 3 SLOTS, 3/4" SLOT SPACING OPPOSED, TECH ZONE
201	RETURN	0-1600	24"x24"	-	PRICE - SMDA	24"x24" NECK

NOTE:

1. LINEAR SLOT DIFFUSER SHOULD BE SUPPLIED WITH A PLENUM BOX.
2. PROVIDE INSULATION FOR ALL DIFFUSERS AND GRILLES WITH PLENUM BOXES.
3. PROVIDE VOLUME DAMPERS FOR ALL SUPPLY DIFFUSERS, RETURN, AND EXHAUST GRILLES.
4. SEE SPECIFICATION 233713 FOR EQUIVALENT MANUFACTURERS.

VARIABLE AIR VOLUME TERMINAL REHEAT UNIT SCHEDULE

DESIGNATION No	SERVICE	TYPE	COOLING CFM		HEATING CFM		INLET SIZE	OUTLET SIZE	MINIMUM INLET SP INCH WG	MAXIMUM NC VALUE @1.0 INCH WG INLET SP	HEATING COIL PERFORMANCE				BASIS OF DESIGN	REMARKS
			MAXIMUM	MINIMUM	MAXIMUM	MINIMUM					EAT °F	LAT °F	MBH @180°F EWT	GPM @30°F ΔT		
1A-1	LOUNGE A138	VAV	340	105	170	105	6"	10"x10"	1	30	53	100	8.26	0.8	NAILOR - D30RW	1, 2
1A-2	OFFICE A136 & A137	VAV	190	60	145	60	6"	10"x10"	1	30	53	100	7.05	0.7	NAILOR - D30RW	1, 2
1A-3	OFFICE A135	VAV	75	35	35	35	4"	10"x10"	1	30	53	100	1.70	0.2	NAILOR - D30RW	1, 2
1A-4	TRAINING A134	VAV	175	90	90	90	6"	10"x10"	1	30	53	100	4.37	0.4	NAILOR - D30RW	1, 2
1A-5	OPERATIONS A132 & LOUNGE 133	VAV	510	315	315	315	8"	12"x12"	1	30	53	100	15.31	1.5	NAILOR - D30RW	1, 2

NOTE:

1. SEE SPECIFICATION 233600 FOR EQUIVALENT MANUFACTURERS.
2. MOUNT TERMINAL UNITS NO MORE THAN 24" ABOVE CEILING.

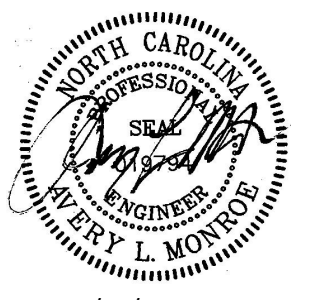
OUTSIDE AIR LOUVER SCHEDULE

DESIGNATION	SERVICE	TYPE	DIMENSIONS		GROSS AREA	FREE AREA	MAX VELOCITY (FT/MIN)
			LENGTH	HEIGHT			
OAL-1	AHU-1A	DRAINABLE COMBINATION MOROTRIZED LOUVER DAMPER	24"	12"	2 SF	0.79	500



Gordon Johnson Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2188
 Email: gordon@johnsonarchitecture.com
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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 MECHANICAL SCHEDULES

Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: BMC
 REVIEWED BY: ALM
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

REVISIONS

Δ	Δ	Δ	Δ
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SHEET NUMBER

M7.01

ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTIONS
	AUTOMATIC TRANSFER DEVICE
	GROUND CONNECTION
	TRANSFORMER (DELTA - RESISTANCE GROUNDED WYE SHOWN)

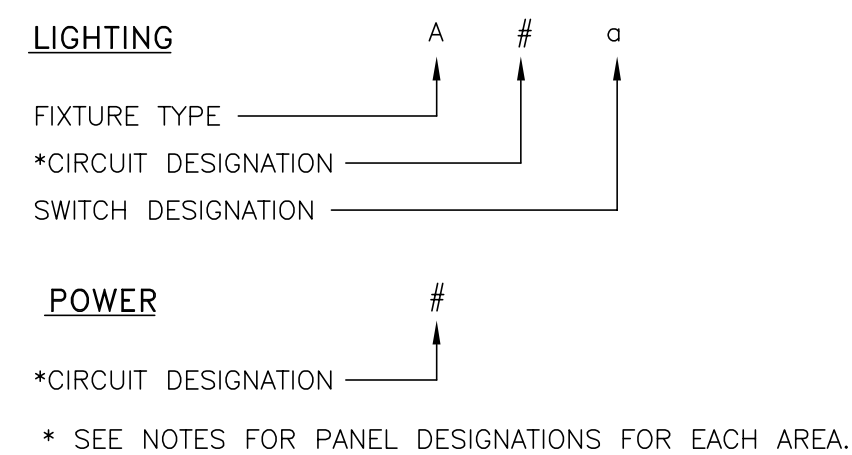
LIGHTING SYMBOLS

SYMBOL	DESCRIPTIONS	MH (UON)
	SINGLE POLE TOGGLE SWITCH	48" TOD
	SWITCH - SUBLETTER INDICATES FIXTURES CONTROLLED	48" TOD
	THREE-WAY TOGGLE SWITCH (SPDT)	48" TOD
	FOUR-WAY TOGGLE SWITCH (DPDT)	48" TOD
	THREE WAY DIMMER SWITCH CONTROLLING FIXTURES INDICATED WITH LOWERCASE a.	48" TOD
	MANUAL STARTER WITH OVERLOADS	48" TOD
	DIMMER SWITCH	48" TOD
	WALL MOUNTED OCCUPANCY SENSOR	48" TOD
	DUAL TECHNOLOGY OCCUPANCY SENSOR-U INDICATES ULTRASONIC TECHNOLOGY	
	DUAL TECHNOLOGY OCCUPANCY SENSOR-U INDICATES ULTRASONIC TECHNOLOGY	
	PHOTOCCELL OR PUSHPLATE SWITCH	
	EMERGENCY TRANSFER RELAY CONTROL DEVICE	
	FLUORESCENT LIGHTING FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED, TYPE AS SPECIFIED	
	FLUORESCENT INDUSTRIAL LIGHTING FIXTURE	
	FLUORESCENT LIGHTING FIXTURE - WALL MOUNTED, TYPE AS SPECIFIED	
	LIGHTING FIXTURE - RECESSED, SURFACE, OR PENDANT MOUNTED	
	LIGHTING FIXTURE - WALL MOUNTED TYPE AS SPECIFIED	
	WALL WASHER	
	ADJUSTABLE WALL WASHER	
	LIGHTING FIXTURE ON EMERGENCY CIRCUIT	
	NIGHT LIGHT- LIGHTING FIXTURE WIRED TO SOURCE AHEAD OF ANY SWITCHING	
	EMERGENCY BATTERY PACK WITH NUMBER OF HEADS INDICATED	
	EXIT SIGN - CEILING OR PENDANT MOUNTED (SHADED PORTION INDICATES FACE)	
	EXIT SIGN - WALL MOUNTED - END, BACK	
	EXIT SIGN WITH DIRECTIONAL ARROWS	

POWER SYMBOLS

SYMBOL	DESCRIPTIONS	MH (UON)
	CHARGING STATION	TOD 48" AFF
	COMBINATION SWITCH AND DUPLEX RECEPTACLE	TOD 48" AFF
	SIMPLEX RECEPTACLE	CTR 18" AFF
	DUPLEX RECEPTACLE, 'E' (IF SHOWN) INDICATES CONNECTED TO EMERGENCY CIRCUIT.	CTR 18" AFF
	DUPLEX RECEPTACLE, FLOOR MOUNTED	
	DOUBLE DUPLEX RECEPTACLE, FLOOR MOUNTED 'D' (IF SHOWN) INDICATES POWER AND DATA IN BOX.	
	DUPLEX RECEPTACLE, SPLIT WIRED - TOP HALF SWITCHED	CTR 18" AFF
	DUPLEX RECEPTACLE, CEILING MOUNTED	
	PEDESTAL TYPE DUPLEX RECEPTACLE	
	SPECIAL RECEPTACLE: 30A, 1P, 3W, 125V, NEMA L5-30R	CTR 18" AFF
	SPECIAL RECEPTACLE: 50A, 2P, 3W, 250V, NEMA L6-50R	CTR 18" AFF
	SPECIAL RECEPTACLE: 20A, 3P, 4W, 208/120V NEMA 14-20	CTR 18" AFF
	SPECIAL RECEPTACLE: 30A, 3P, 4W, 208V NEMA 15-30	CTR 18" AFF
	SPECIAL RECEPTACLE: FLOOR-BOX MOUNTED, 30A, 1P, 3W, 125V, NEMA L5-30R	
	SPECIAL RECEPTACLE: FLOOR-BOX MOUNTED, 50A, 2P, 3W, 250V, NEMA L6-50R	
	PEDESTAL TYPE SPECIAL RECEPTACLE, NEMA 6-20R	
	DOUBLE DUPLEX RECEPTACLE	CTR 18" AFF
	RECEPTACLE MOUNTED 6" ABOVE BACK SPLASH OR COUNTER	
	GROUND FAULT INTERRUPTER TYPE RECEPTACLE	BOD 18" AFF
	RECEPTACLE OUTLET MOUNTED HIGH	CTR 84" AFF
	ISOLATED GROUND RECEPTACLE	BOD 18" AFF
	DUPLEX RECEPTACLE AT 54" AFF	CTR 54" AFF
	DUPLEX RECEPTACLE FOR PAY PHONE	CTR 54" AFF
	DUPLEX RECEPTACLE FOR CART RECHARGE	CTR 36" AFF
	SIMPLEX RECEPTACLE FOR CART RECHARGE	CTR 36" AFF
	TELEVISION RECEPTACLE	CTR 72" AFF
	TELEVISION RECEPTACLE	CTR 18" BFC
	CLOCK HANGER OUTLET	CTR 84" AFF
	PROGRAM CLOCK OUTLET - SINGLE FACE, DOUBLE FACE	CTR 84" AFF
	EMERGENCY POWER OFF SWITCH	TOD 48" AFF
	JUNCTION BOX	
	EQUIPMENT CONNECTION - SEE EQUIPMENT SCHED. ON SHEET E7.01	
	HEATER CONNECTION - NUMBER INDICATES KILOWATTS (3KW)	
	HEATER FAN - CEILING MOUNTED	
	ENCLOSED CIRCUIT BREAKER	
	NON-FUSED DISCONNECT SWITCH, 30A, 3P (UNLESS OTHERWISE NOTED)	
	FUSED DISCONNECT SWITCH - FUSE SIZE AS INDICATED (40A)	
	PANELBOARD	
	DISTRIBUTION PANELBOARD	
	TRANSFORMER	

CIRCUIT DESIGNATIONS



SPECIAL SYSTEMS SYMBOLS

SYMBOL	DESCRIPTIONS	MH (UON)
	FIRE ALARM FLASHING STROBE LIGHT - WALL MOUNTED NUMBER INDICATES CANDELA RATING. IF NO NUMBER IS SHOWN RATING SHALL BE 15cd	GENERAL NOTE 5
	WALL MOUNTED COMBINATION FIRE ALARM SPEAKER AND FLASHING STROBE. IF NO NUMBER IS SHOWN RATING SHALL BE 15cd	GENERAL NOTE 5
	CEILING MOUNTED COMBINATION SPEAKER AND FLASHING STROBE. NUMBER INDICATES CANDELA RATING. IF NO NUMBER IS SHOWN RATING SHALL BE 15cd	
	CEILING MOUNTED FIRE ALARM SPEAKER	
	MAGNETIC DOOR HOLDER	
	REMOTE FIRE ALARM ANNUCIATOR PANEL	
	FIRE ALARM CONTROL PANEL	
	RESCUE ASSISTANCE MASTER CONTROL PANEL	TOD 48" AFF
	FIRE ALARM TRANSPONDER	
	RESCUE ASSISTANCE REMOTE STATION	TOD 48" AFF
	DIGITAL ALARM COMMUNICATOR TRANSMITTER	
	DOOR SOLENOID, ELECTRIC STRIKE - LOCKING DEVICE CONNECTION POINT	
	FIRE ALARM PULL STATION	TOD 48" AFF
	HEAT DETECTOR	
	SMOKE DETECTOR (PHOTOELECTRIC), AB INDICATES AUDIBLE BASE, E INDICATES ELEVATOR CONTROLS	
	SMOKE DETECTOR (IONIZATION)	
	DUCT SMOKE DETECTOR	
	FIRE ALARM SYSTEM ADDRESSABLE RELAY - CONTROL	
	FIRE ALARM SYSTEM ADDRESSABLE RELAY - MONITOR	
	FIRE ALARM SYSTEM DUCT SMOKE DETECTOR REMOTE ALARM/STATUS INDICATOR LIGHTS	
	FLOW SWITCH CONNECTION	
	PRESSURE SWITCH CONNECTION	
	TAMPER SWITCH CONNECTION	
	CARD READER	TOD 48" AFF
	TELEPHONE OUTLET	CTR 18" AFF
	TELEPHONE OUTLET, WALL MOUNTED	CTR 54" AFF
	DATA/TELEPHONE OUTLET, UNSHADED AREA = DATA, SHADED AREA = VOICE, NUMERALS INDICATE QUANTITY OF WIRED JACKS	CTR 18" AFF
	TELEPHONE OUTLET - EMERGENCY	TOD 54" AFF
	DATA OUTLET - PROVIDE BACKBOX WITH 2 DATA DROPS IN 1" CONDUIT UP TO ACCESSIBLE CEILING.	
	TELEVISION ANTENNA OUTLET	CTR 72" AFF
	ROUGH IN JUNCTION BOX FOR CCTV CAMERA	

ELECTRICAL DRAWING PRESENTATION

SYMBOL	DESCRIPTIONS
	REVISION NUMBER 2
	DRAWING NOTE NUMBER 2
	EQUIPMENT TAG NUMBER - REFER TO EQUIPMENT SCHEDULE
	SECTION/ELEVATION IDENTIFICATION
	PART PLAN AND DETAIL IDENTIFICATION
	EXISTING LINE TYPE
	NEW ELECTRICAL WORK LINE TYPE
	FUTURE ELECTRICAL WORK LINE TYPE
	DEMOLITION LINE TYPE ON DEMOLITION DRAWINGS
	EQUIPMENT LOCATED OUTSIDE OF DRAWING AREA IN GENERAL DIRECTION OF ARROW HEAD

EQUIPMENT DESIGNATIONS

DESIGNATION	DESCRIPTIONS
SWGR	SWITCHGEAR
SWBD	SWITCHBOARD
PNL	PANELBOARD
MCC	MOTOR CONTROL CENTER
XFMR	TRANSFORMER

ELECTRICAL ABBREVIATIONS

A, AMP	- AMPERE	KVAR	- KILOVOLT AMPERES REACTIVE
AC	- ALTERNATING CURRENT	KW	- KILOWATTS
A/C	- AIR CONDITIONING	KWH	- KILOWATT HOUR
AFF	- ABOVE FINISHED FLOOR	LA	- LIGHTNING ARRESTOR
AHJ	- AUTHORITY HAVING JURISDICTION	LC	- LIGHTING CONTACTOR
AFG	- ABOVE FINAL GRADE	LTG	- LIGHTING
AHU	- AIR HANDLING UNIT	LTNG	- LIGHTNING
AIC	- AMPS INTERRUPTING CAPACITY	LP	- LIGHTING PANEL
ALT	- ALTERNATE	LRA	- LOCKED ROTOR AMPERES
ANN	- ANNUNCIATOR	MATV	- MASTER ANTENNA TELEVISION
APPROX	- APPROXIMATELY	MCB	- MAIN CIRCUIT BREAKER
ARCH	- ARCHITECT	MCC	- MOTOR CONTROL CENTER
ATC	- AUTOMATIC TEMPERATURE CONTROL	MEH	- METAL HALIDE
ATS	- AUTOMATIC TRANSFER SWITCH	MH	- MANHOLE, MOUNTING HEIGHT
AWG	- AMERICAN WIRE GAUGE	MLO	- MAIN LUGS ONLY
BAS	- BUILDING AUTOMATION SYSTEM	MSP	- MOTOR STARTER PANEL
BFC	- BELOW FINISHED CEILING	MTD	- MOUNTED
BFG	- BELOW FINISHED GRADE	MV	- MERCURY VAPOR
BLDG	- BUILDING	NC	- NORMALLY CLOSED
BOD	- BOTTOM OF DEVICE	NEC	- NATIONAL ELECTRICAL CODE
C, CND	- CONDUIT	NFSS	- NON-FUSED SAFETY SWITCH
CATV	- CABLE TELEVISION	NO	- NUMBER, NORMALLY OPEN
CB	- CIRCUIT BREAKER	OC	- ON CENTER
CCTV	- CLOSED CIRCUIT TELEVISION	OFCI	- OWNER FURNISHED, CONTRACTOR INSTALLED
CKT	- CIRCUIT	OFOI	- OWNER FURNISHED, OWNER INSTALLED
CL	- CURRENT LIMITING	OH	- OVERHEAD
CLG	- CEILING	Ø, PH	- PHASE
CONN	- CONNECT	P	- POLE
CPT	- CONTROL POWER TRANSFORMER	PB	- PUSHBUTTON
CT	- CURRENT TRANSFORMER	PF	- POWER FACTOR
CTR	- CENTER	PFFC	- POWER FACTOR CORRECTION CAPACITOR
CU,CO	- COPPER	PL	- PILOT LIGHT
CX	- CONNECT TO EXISTING	PLC	- PROGRAMMABLE LIGHTING CONTROL
DC	- DIRECT CURRENT	PNL	- PANEL
DISC	- DISCONNECT	PP	- POWER PANEL
DN	- DOWN	PR	- PAIR
DP	- DISTRIBUTION PANEL	PT	- POTENTIAL TRANSFORMER
DPST	- DOUBLE POLE SINGLE THROW	PVC	- POLYVINYL CHLORIDE
DPDT	- DOUBLE POLE DOUBLE THROW	Pp	- PUMP
DT	- DOUBLE THROW	QTY	- QUANTITY
DWG	- DRAWING	RCS	- REMOTE CONTROL SWITCH
E, EMERG	- EMERGENCY	REC, RECEPT	- RECEPTACLE
EA	- EACH	REQ'D	- REQUIRED
EC	- ELECTRICAL CONTRACTOR	RFI	- RADIO FREQUENCY INTERFERENCE
EF	- EXHAUST FAN	RGS	- RIGID GALVANIZED STEEL
EH	- ELECTRIC HEATER	RLA	- RUNNING LOAD AMPERES
ELEC	- ELECTRIC	RM	- ROOM
ELEV	- ELEVATION	RVAT	- REDUCED VOLTAGE AUTO TRANSFORMER
ETR	- EXISTING TO REMAIN	RX	- REMOVE EXISTING
EX	- EXISTING	SC	- SURGE CAPACITOR
EXP	- EXPOSED	SEC	- SECONDARY
EWC	- ELECTRIC WATER COOLER	SN, S/N	- SOLID NEUTRAL
FR	- FRAME	SP	- SURGE PROTECTION
FA	- FIRE ALARM	SPDT	- SINGLE POLE DOUBLE THROW
FABP	- FIRE ALARM BOOSTER PANEL	SS	- SAFETY SWITCH
FAAP	- FIRE ALARM ANNUCIATOR PANEL	SST	- SOLID STATE
FACP	- FIRE ALARM CONTROL PANEL	ST	- SINGLE THROW
FBO	- FURNISHED BY OTHERS	SW	- SWITCH
FC	- FAN COIL	SWBD	- SWITCHBOARD
FDR	- FEEDER	T	- TAMPER RESISTANT
FLA	- FULL LOAD AMPERES	TBR	- TO BE REMOVED
FLR	- FLOOR	TC	- TIME CLOCK
FU	- FUSED AND FUSIBLE	TEL, TELE	- TELEPHONE
FUSS	- FUSED SAFETY SWITCH	TOD	- TOP OF DEVICE
FVR	- FULL VOLTAGE REVERSING	TRANS/XFMR	- TRANSFORMER
FVNR	- FULL VOLTAGE NON-REVERSING	TH	- TUNGSTEN HALOGEN
GEN	- GENERATOR, GENERAL	TTB	- TELEPHONE TERMINAL BOARD
GFI	- GROUND FAULT INTERRUPTER	TW	- TWISTED
GFR	- GROUND FAULT RELAY	TYP	- TYPICAL
GRD	- GROUND	UG	- UNDERGROUND
GRS	- GALVANIZED RIGID STEEL	UH	- UNIT HEATER
HID	- HIGH INTENSITY DISCHARGE	UON	- UNLESS OTHERWISE NOTED
HQA	- HAND-OFF-AUTOMATIC	V	- VOLTS
HP	- HORSEPOWER	VFC	- VARIABLE FREQUENCY CONTROLLER
HPS	- HIGH PRESSURE SODIUM	W	- WATTS, WIRE
HTR	- HEATER	W/	- WITH
HV	- HIGH VOLTAGE	WP	- WEATHER-PROOF
HZ	- HERTZ	XP	- EXPLOSION PROOF
IG	- ISOLATED GROUND	2S1W	- 2 SPEED SINGLE WINDING
JB	- JUNCTION BOX	2S2W	- 2 SPEED DOUBLE WINDING
KCMIL	- THOUSAND CIRCULAR MILS		
KV	- KILOVOLTS		
KVA	- KILOVOLT AMPERES		

GENERAL NOTES:

- THIS IS A STANDARD SYMBOL LIST, SOME SYMBOLS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.
- REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- PLAN & SECTION SYMBOLS MAY ALSO BE USED ON RISER DIAGRAMS.
- ON SINGLE LINE DIAGRAMS FOR 3 PHASE SYSTEMS, DEVICE QUANTITY = 3 UNLESS OTHERWISE NOTED.
- DEVICE SHALL BE MOUNTED A MINIMUM OF 80" AFF TO BOTTOM OF DEVICE LENS AND BELOW THE FINISHED CEILING OF NOT LESS THAN 6".
- UNLESS OTHERWISE NOTED ALL INTERIOR CONDUITS AND BOXES SHALL BE CONCEALED.

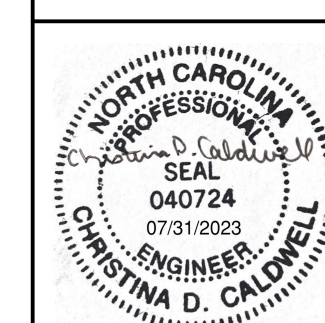


Architecture

554 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2188
 gordon@gordonjohnsonarchitecture.com
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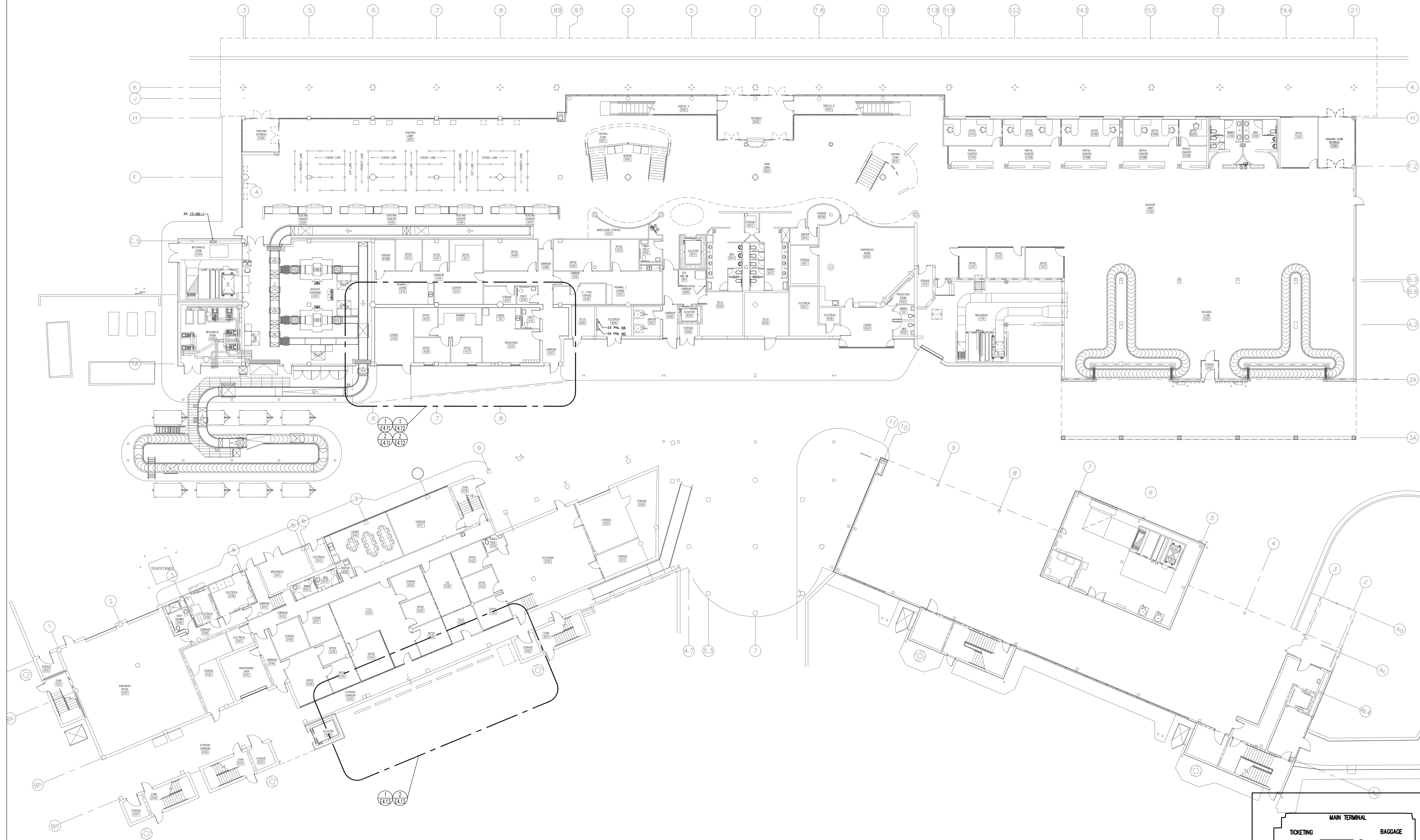
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 ELECTRICAL LEGEND AND ABBREVIATIONS

400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: JMM
 REVIEWED BY: CDC
 DATE: 7/31/2023
 PROJECT NO.: 02230515.00
 NOTES:

REVISIONS

SHEET NUMBER
E0.01



Fayetteville Regional Airport Airline Terminal Improvements – Part 3
 FIRST FLOOR OVERALL PLAN
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: JMW
 REVIEWED BY: CDC
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

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SHEET NUMBER
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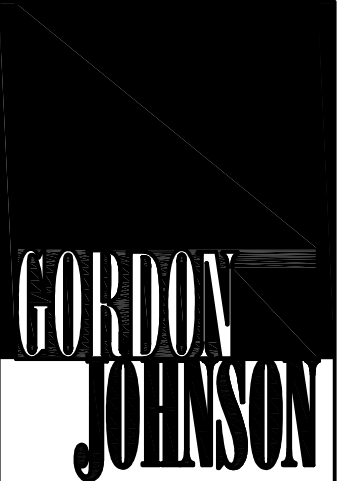
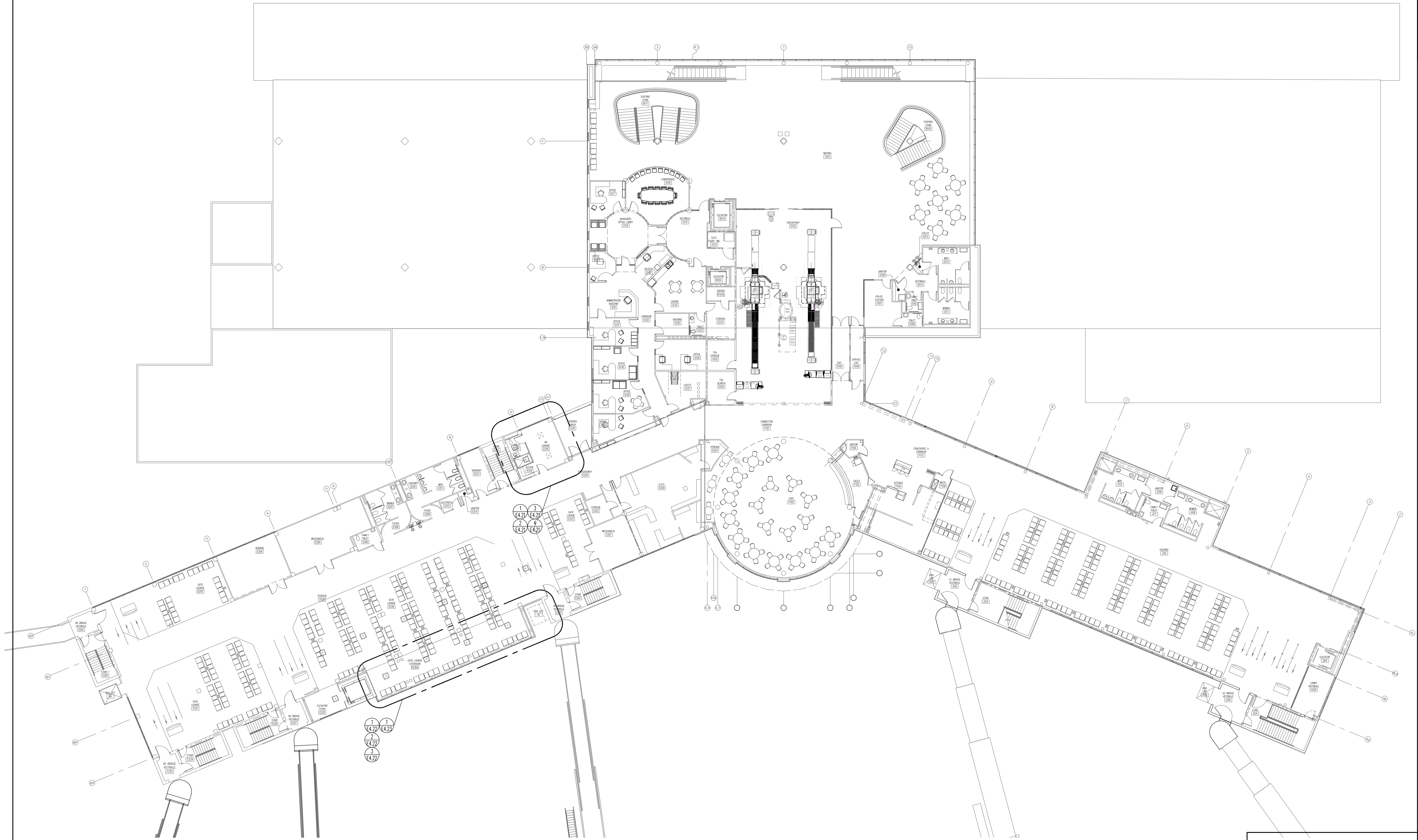
FIRE RATED WALL LEGEND

- 1 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER

8' 4" 0" 8" 16"
 SCALE: 1/16" = 1'-0"

KEY PLAN

MAN TERMINAL
 TICKETING BAGGAGE
 CONCOURSE B CONCOURSE A



Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2189
 gordon@gordonjohnsonarchitecture.com
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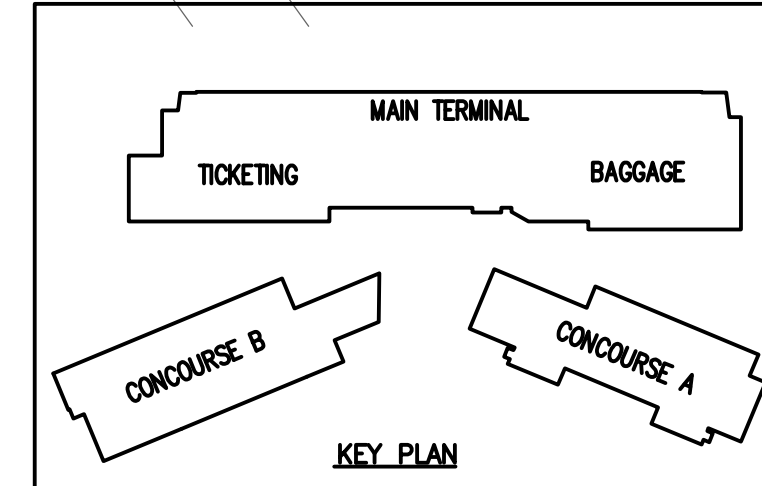


Fayetteville Regional Airport Airline Terminal Improvements – Part 3
 SECOND FLOOR OVERALL PLAN
 400 Airport Road
 Fayetteville, North Carolina 28306

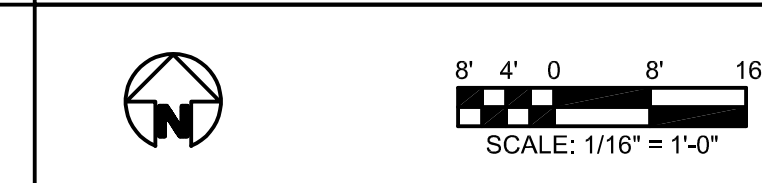
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 DATE: 7/31/2023
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 NOTES:

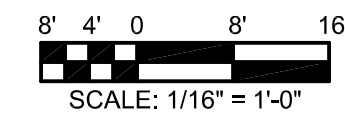
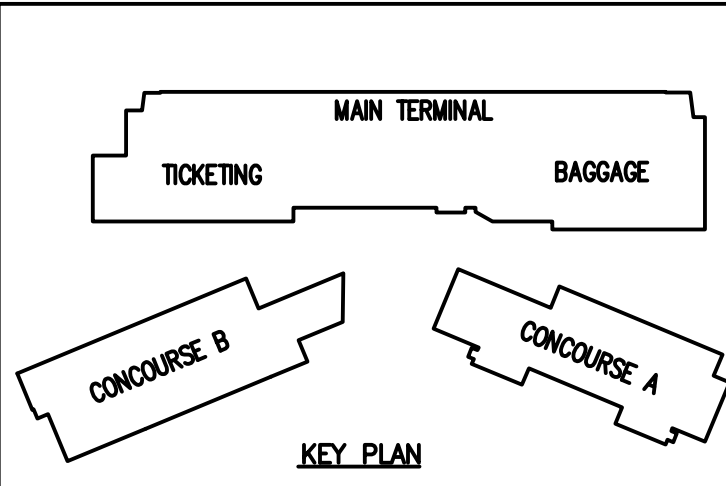
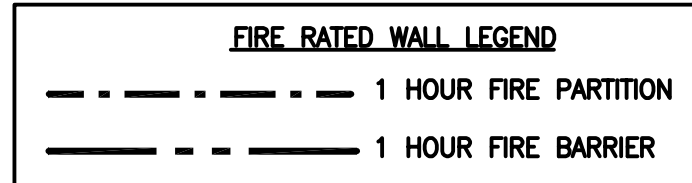
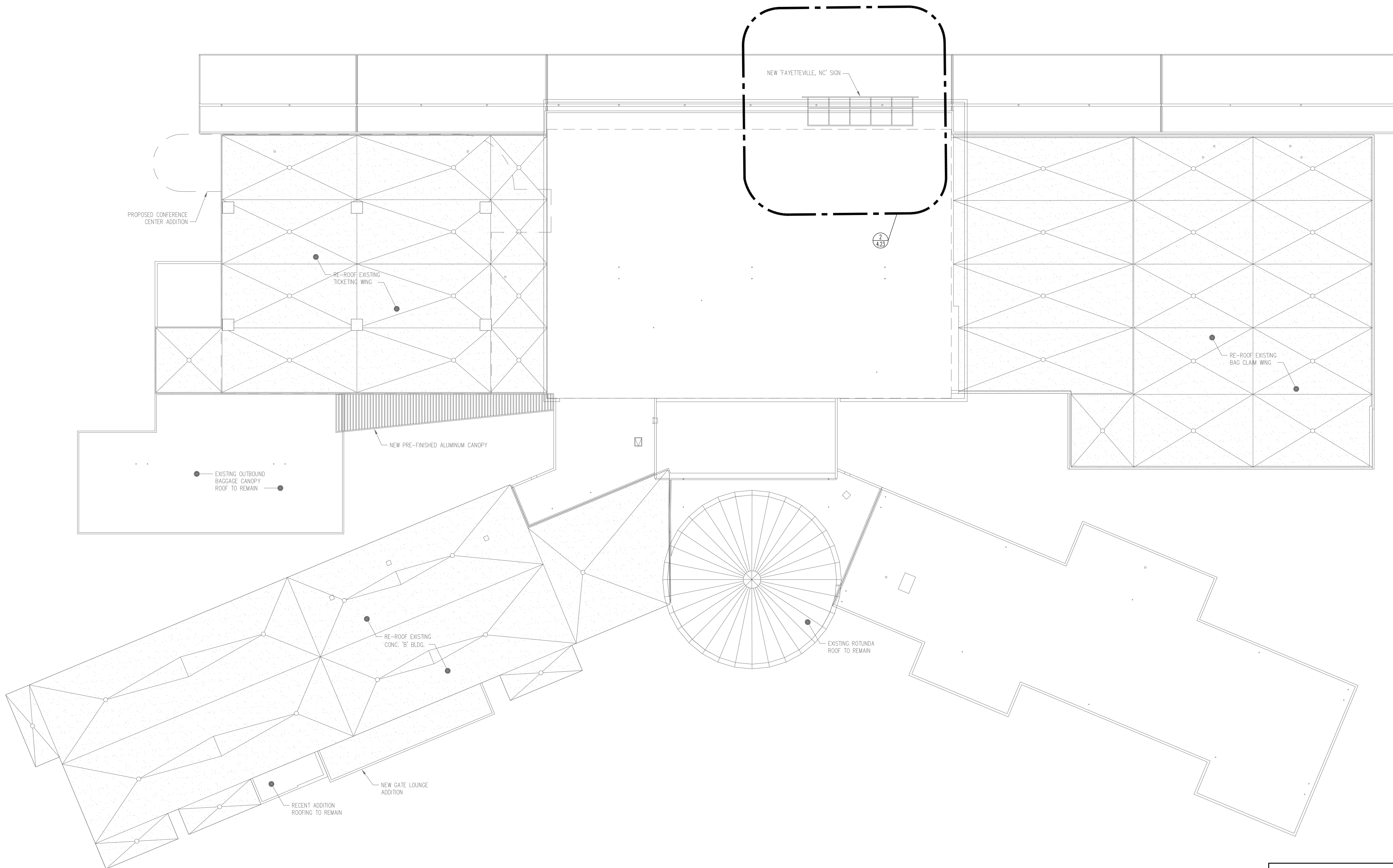
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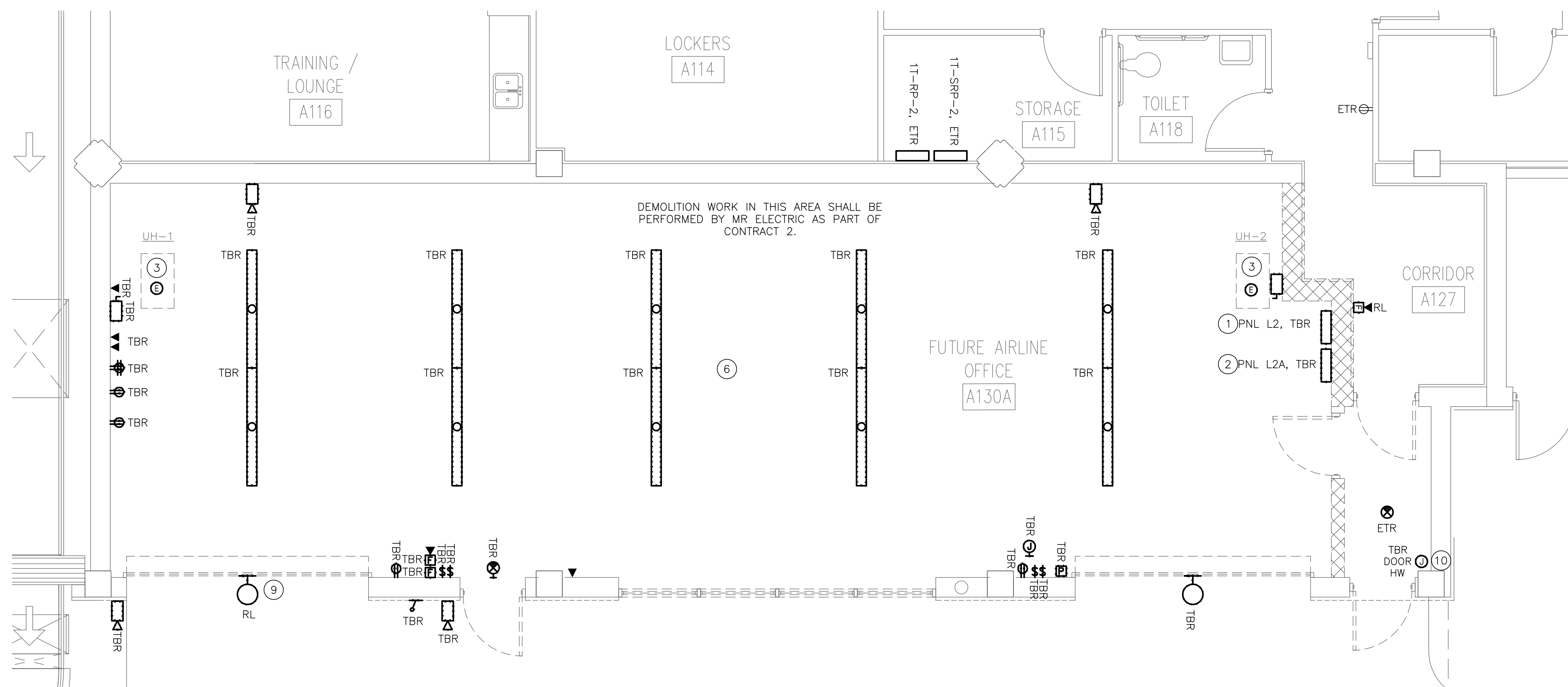
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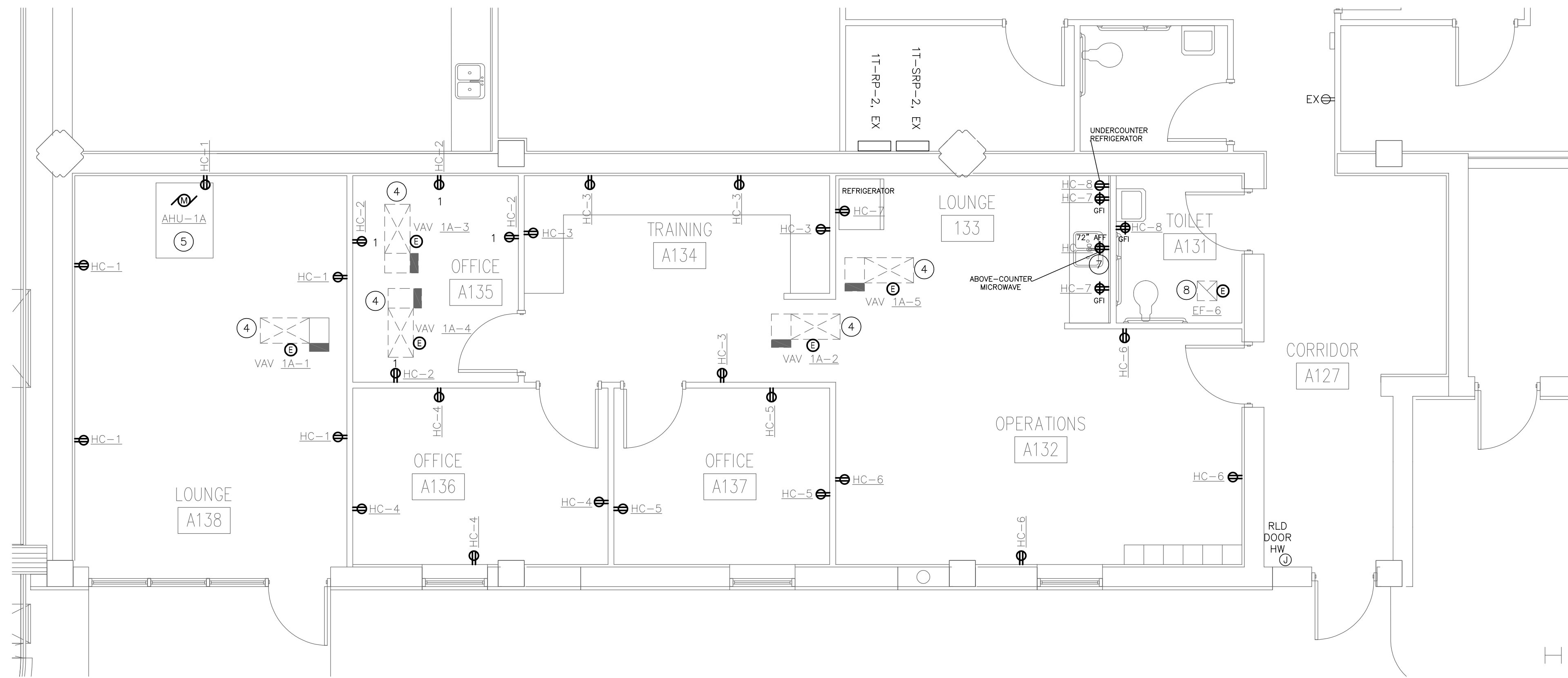
FIRE RATED WALL LEGEND
 - - - - - 1 HOUR FIRE PARTITION
 ———— 1 HOUR FIRE BARRIER







AIRLINE OFFICE DEMOLITION PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



AIRLINE OFFICE NEW WORK PLAN - POWER
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- A. WIRE RECEPTACLES TO PANEL IT-RP-1 WITH 2#12 AND #12 GROUND IN 3/4" CONDUIT.
 - B. RECONNECT LIGHTING IN THIS AREA TO EXISTING CIRCUIT SERVING THIS AREA.

- DRAWING NOTES:**
- 1 ACTIVE CIRCUITS SHALL BE RELOCATED TO PANEL IT-RP-2. SET JUNCTION BOX IN CEILING ABOVE PANEL RUN WIRE FROM NEW PANEL TO JUNCTION BOX ONE AT A TIME.
 - 2 ACTIVE CIRCUITS SHALL BE RELOCATED TO PANEL IT-RP-1. SET JUNCTION BOX IN CEILING ABOVE PANEL RUN WIRE FROM NEW PANEL TO JUNCTION BOX ONE AT A TIME.
 - 3 DISCONNECT POWER TO UNIT HEATER AND REMOVE. REMOVE BRANCH CIRCUIT BACK TO SOURCE.
 - 4 PROVIDE 120V CONNECTION TO VAV BOXES. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. INSTALL PER MANUFACTURER'S RECOMMENDATION.
 - 5 PROVIDE 480V/3-PHASE CONNECTION TO NEW AIR HANDLING UNIT. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. INSTALL PER MANUFACTURER'S RECOMMENDATION.
 - 6 POWER SHALL BE DISCONNECTED. EXISTING LIGHTING FIXTURES TO BE REMOVED BY DEMOLITION CONTRACTOR (MR ELECTRIC). EXISTING BRANCH CIRCUIT SHALL BE MAINTAINED FOR RE-USE UNDER NEW WORK.
 - 7 PROVIDE RECEPTACLE FOR ABOVE-COUNTER MICROWAVE WITH CASEWORK PRIOR TO INSTALLATION.
 - 8 PROVIDE 120V CONNECTION FOR EXHAUST FAN. COORDINATE INSTALLATION WITH MECHANICAL CONTRACTOR. INSTALL PER MANUFACTURER'S RECOMMENDATION.
 - 9 DISCONNECT POWER TO EXISTING LIGHTING FIXTURE. MAINTAIN LIGHTING FIXTURE AND BRANCH CIRCUIT FOR RE-USE UNDER NEW WORK. EXTEND BRANCH CIRCUIT TO NEW LOCATION.
 - 10 CONNECTION FOR DOOR HARDWARE SHALL BE RELOCATED WITH DOOR SWING. SEE NEW PLAN BELOW FOR ADDITIONAL INFORMATION.

GORDON JOHNSON
Architecture
654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2186
E-mail: gordon@johnsonarchitecture.com
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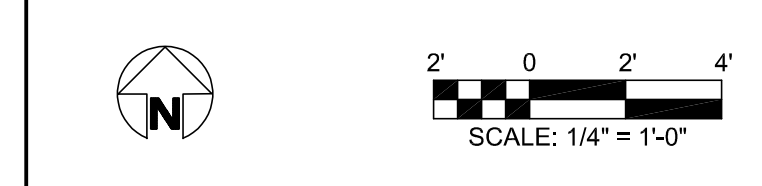
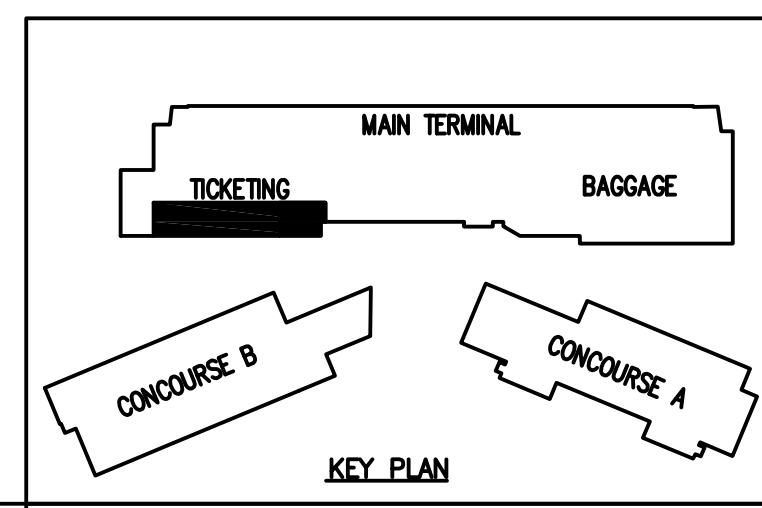
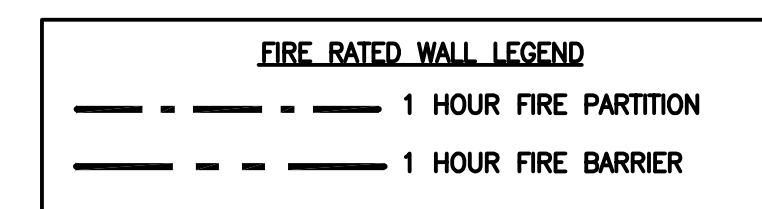


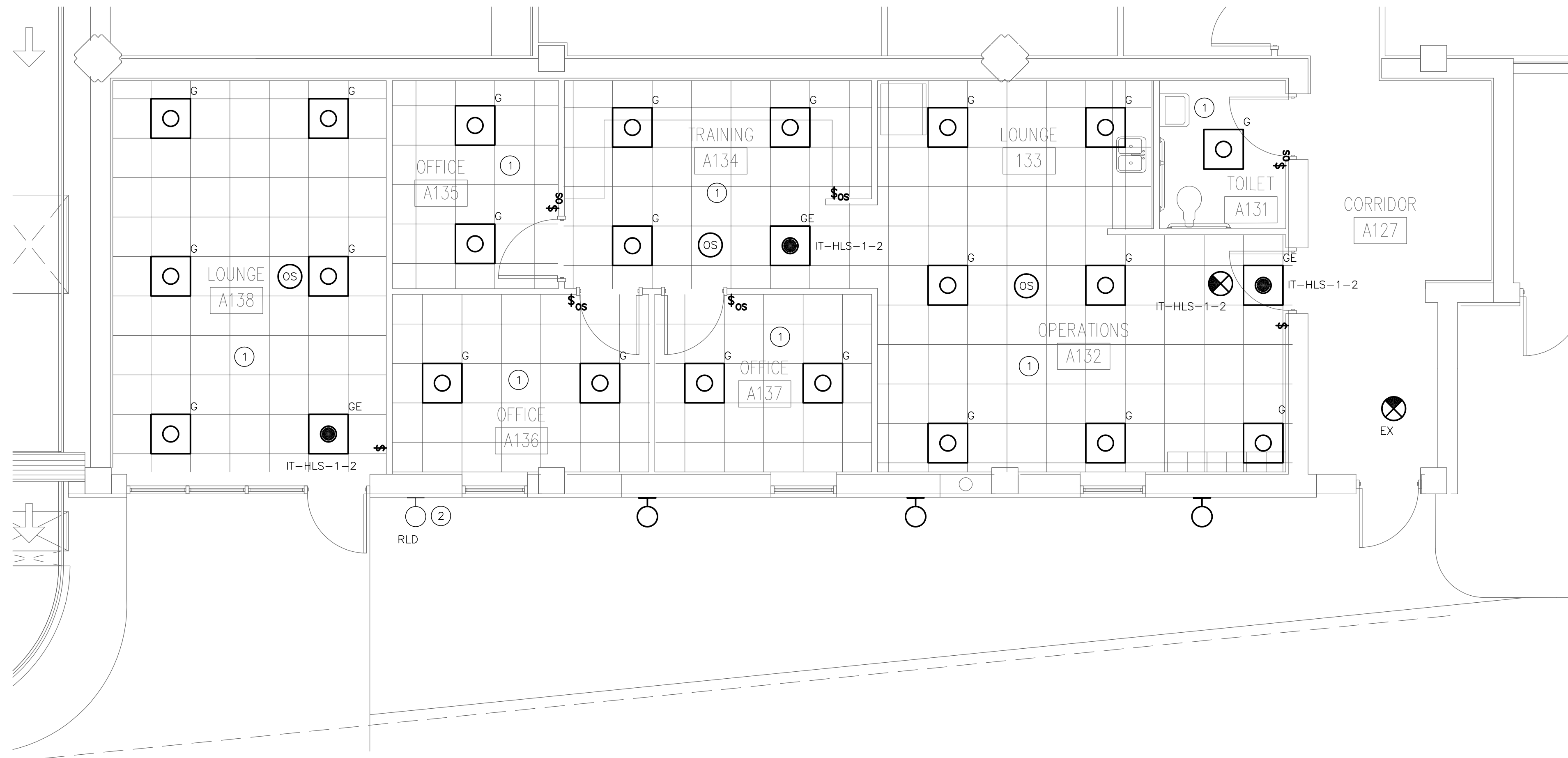
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 MAIN TERMINAL FIRST FLOOR ELECTRICAL ENLARGED PLANS
 400 Airport Road
 Fayetteville, North Carolina 28306

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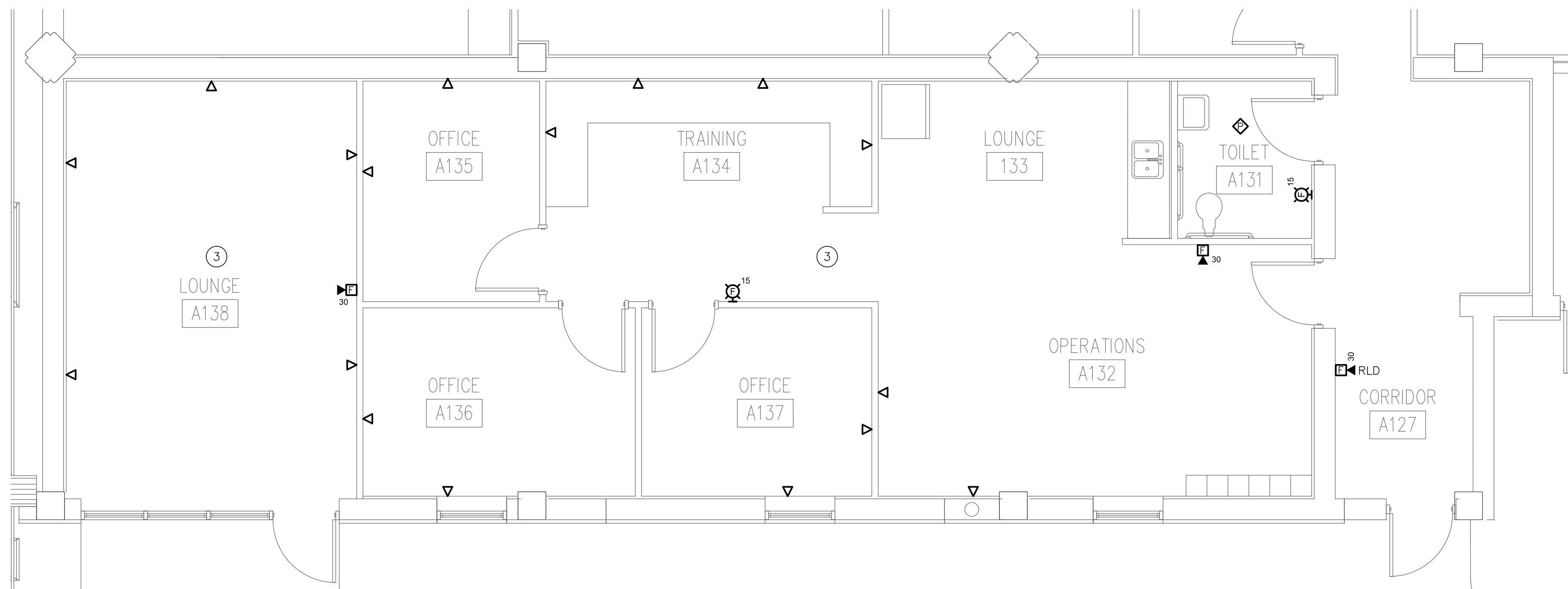
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AIRLINE OFFICE NEW WORK PLAN - LIGHTING
 SCALE: 1/4" = 1'-0"



AIRLINE OFFICE NEW WORK PLAN - SPECIAL SYSTEMS
 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE PERFORMED DURING HOURS AS DIRECTED BY THE OWNER AND SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE AND PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- C. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- D. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENINGS AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- E. EXISTING ARCHITECTURAL DRAWINGS AND MEP DRAWINGS DO NOT INDICATE RATED WALLS IN THE SCOPES OF WORK. THE EXTERIOR WALLS ARE BLOCK TYPE, BUT THE WALLS BETWEEN THE CORRIDOR AND CLASSROOMS ARE NOT RATED.
- F. EC SHALL CONFIRM EXISTING CONDITIONS AND LOAD PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES BACK TO ENGINEER.
- G. ELECTRICAL DEVICES AND SYMBOLOLOGY DENOTED 'EX' ARE EXISTING POWERING DEVICES.
- H. EC SHALL PROVIDE TYPEWRITTEN, UPDATED PANEL DIRECTORY FOR ALL AFFECTED PANELS WITHIN THE SCOPE OF THIS PROJECT IN ACCORDANCE TO NEC 408.4.A.

DRAWING NOTES:

- ① LIGHTING FIXTURES IN THIS ROOM SHALL BE CONNECTED TO EXISTING NORMAL POWER BRANCH CIRCUIT PREVIOUSLY SERVING THIS AREA. UNLESS OTHERWISE NOTED ON PLAN.
- ② RECONNECT TO EXISTING BRANCH CIRCUIT SERVING EXTERIOR LIGHTING FIXTURES. MAKE ALL FINAL CONNECTIONS TO MATCH EXISTING.
- ③ FOR ALL DATA OUTLETS IN THIS SUITE RUN DATA CABLES BACK TO ROOM B129. DO NOT TERMINATE CABLES. MATCH EXISTING CABLE TYPE, PROVIDE 20' EXTRA CABLE, COIL UP AT CEILING FOR FUTURE TERMINATION.

GORDON JOHNSON
 Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2186
 E-mail: gordon@johnsonarchitecture.com
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 07/31/2023
 CRISTINA D. CALDWELL

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 MAIN TERMINAL FIRST FLOOR ELECTRICAL ENLARGED PLANS
 400 Airport Road
 Fayetteville, North Carolina 28306

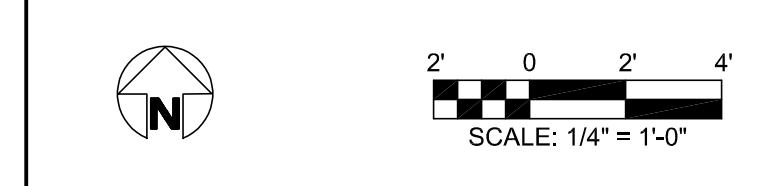
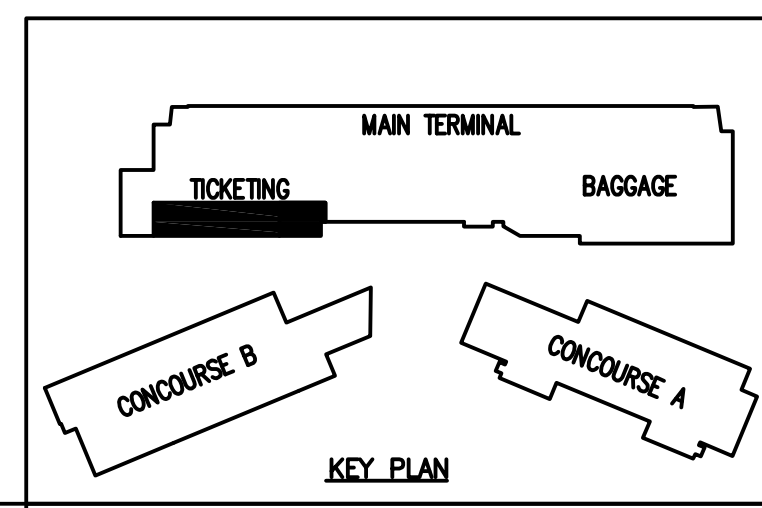
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FIRE RATED WALL LEGEND

	1 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER

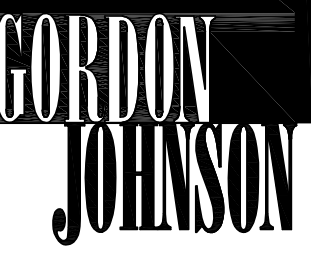


GENERAL NOTES:

A. CONNECT LIGHTING IN THIS AREA TO EXISTING CIRCUIT SERVING THIS AREA.

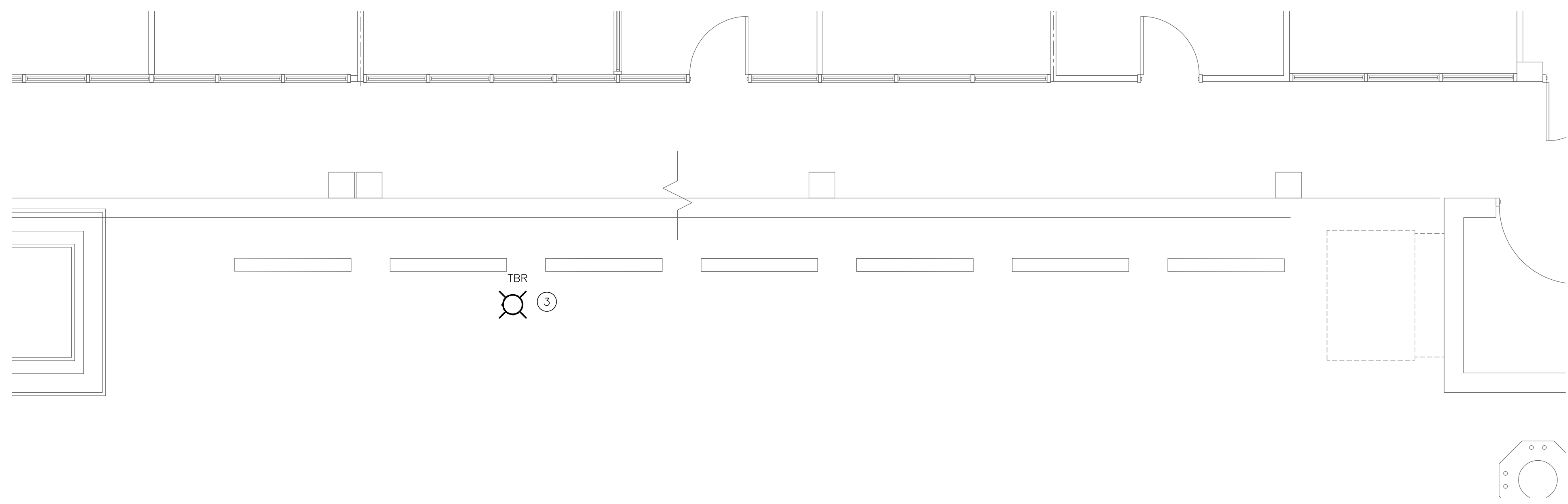
DRAWING NOTES:

- ① RELOCATED LIGHT POLE. SEE POLE BASE DETAIL ON SHEET E501. SEE ARCHITECTURAL PLAN FOR EXACT LOCATION. MAKE ALL FINAL CONNECTIONS TO MATCH EXISTING POWER AND CONTROLS.
- ② CONNECT LIGHTING IN THIS AREA TO EXISTING NORMAL OR EMERGENCY CIRCUIT AND CONTROLS SERVING THIS AREA.
- ③ LIGHT POLE SHALL BE RELOCATED AND RECONNECTED TO SAME CIRCUIT AND CONTROLS. SEE ARCHITECTURAL PLANS FOR ADDITIONAL DIRECTION.

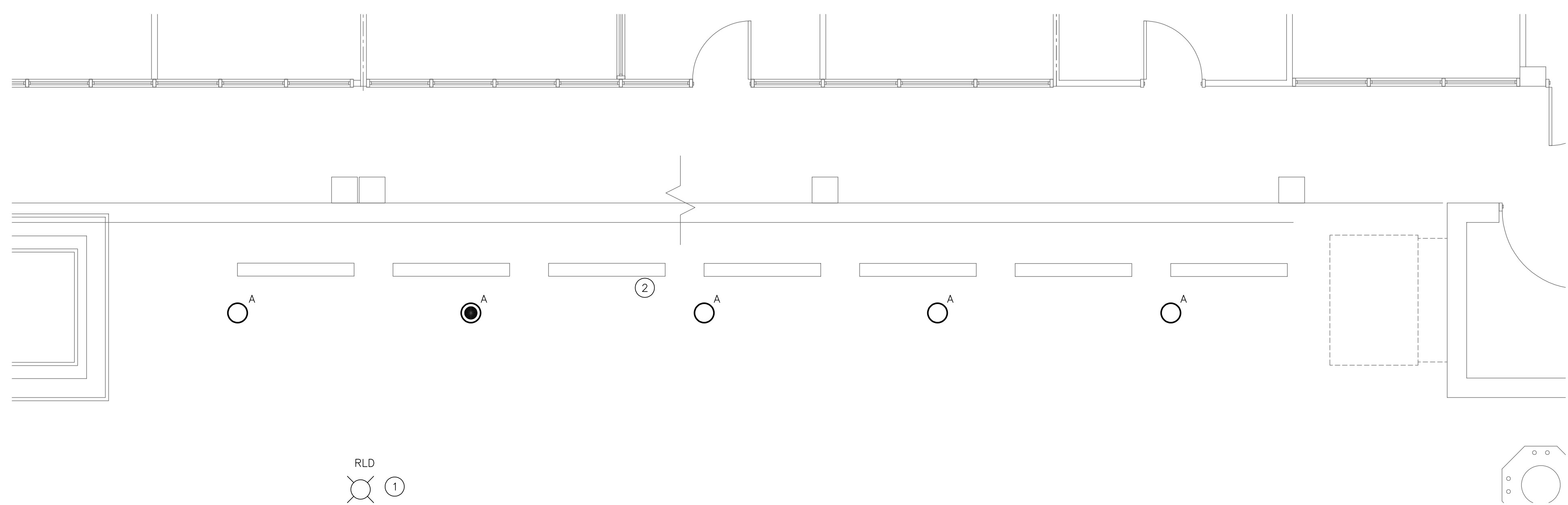


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 Fayetteville, NC 28301
 Phone: (910) 223-2186
 E-mail: gordon@johnsonarchitecture.com
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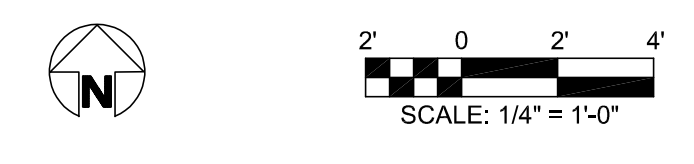
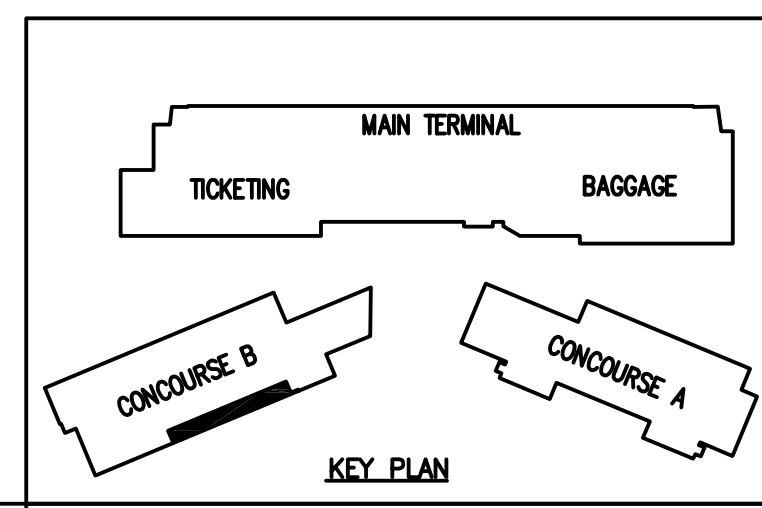
1 CONCOURSE B FIRST FLOOR PLAN - DEMOLITION
 SCALE: 1/4" = 1'-0"



2 CONCOURSE B FIRST FLOOR NEW WORK PLAN - LIGHTING
 SCALE: 1/4" = 1'-0"

FIRE RATED WALL LEGEND

	1 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER

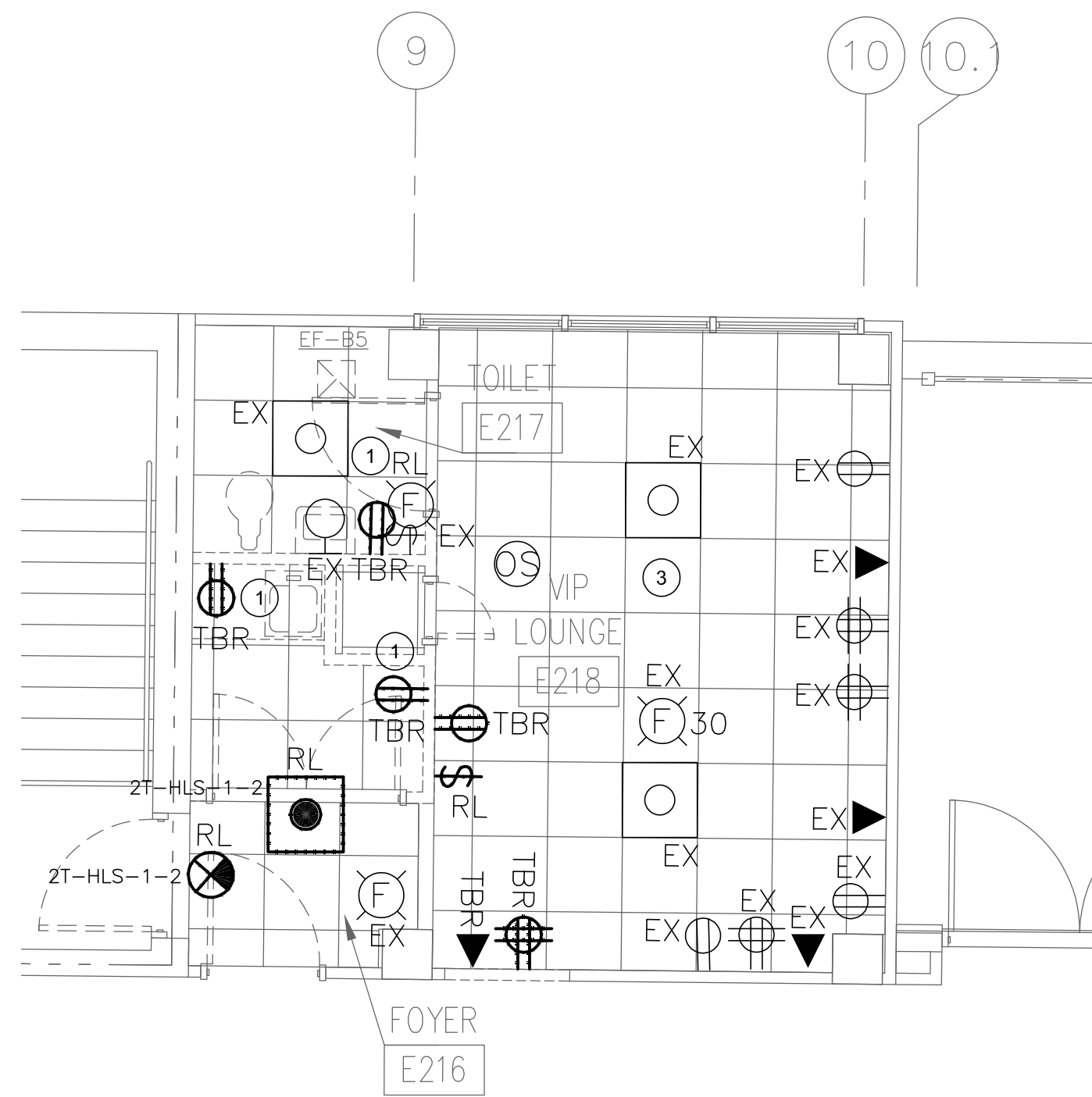


Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 CONCOURSE B FIRST FLOOR ELECTRICAL ENLARGED PLANS
 400 Airport Road
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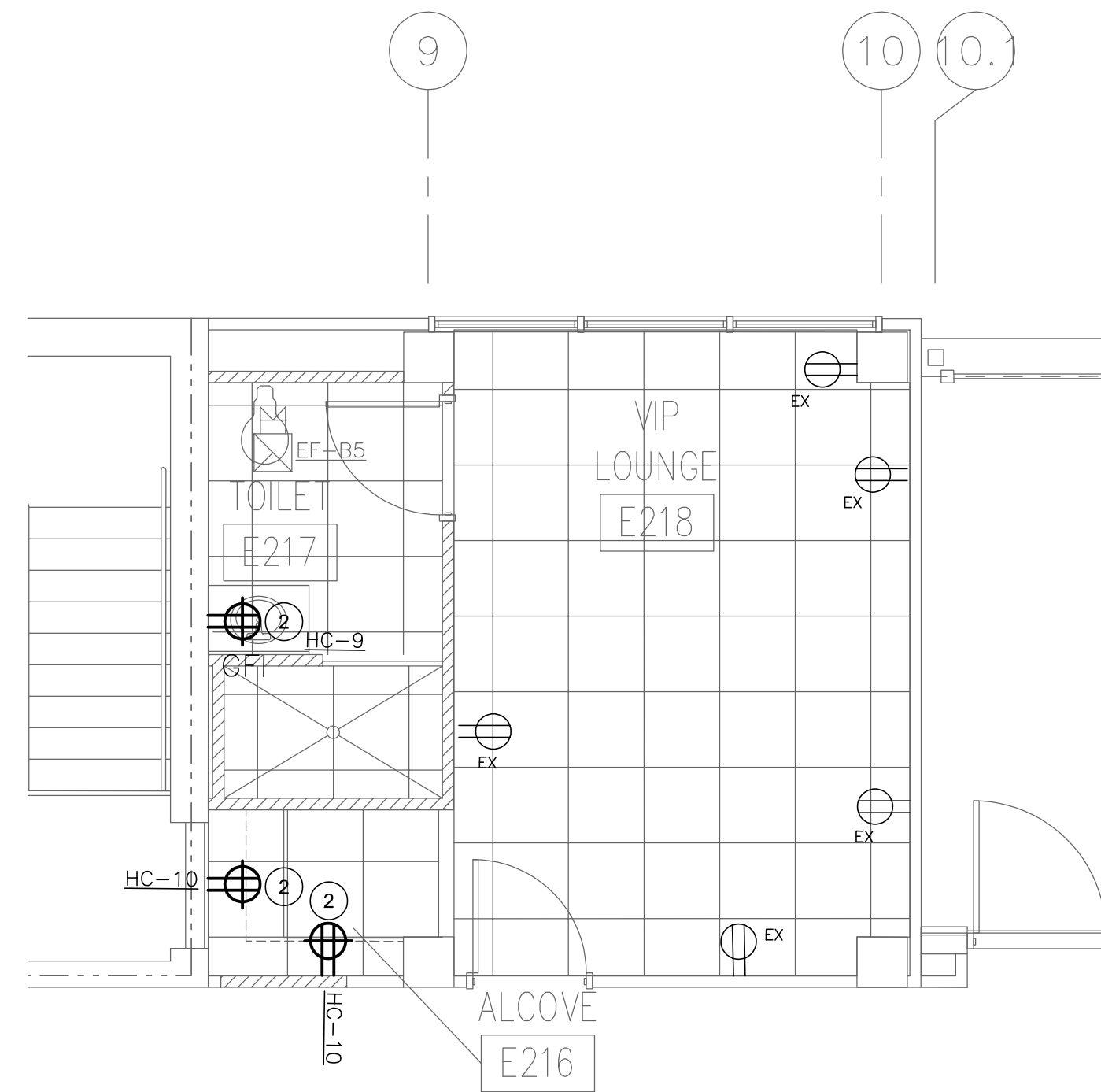
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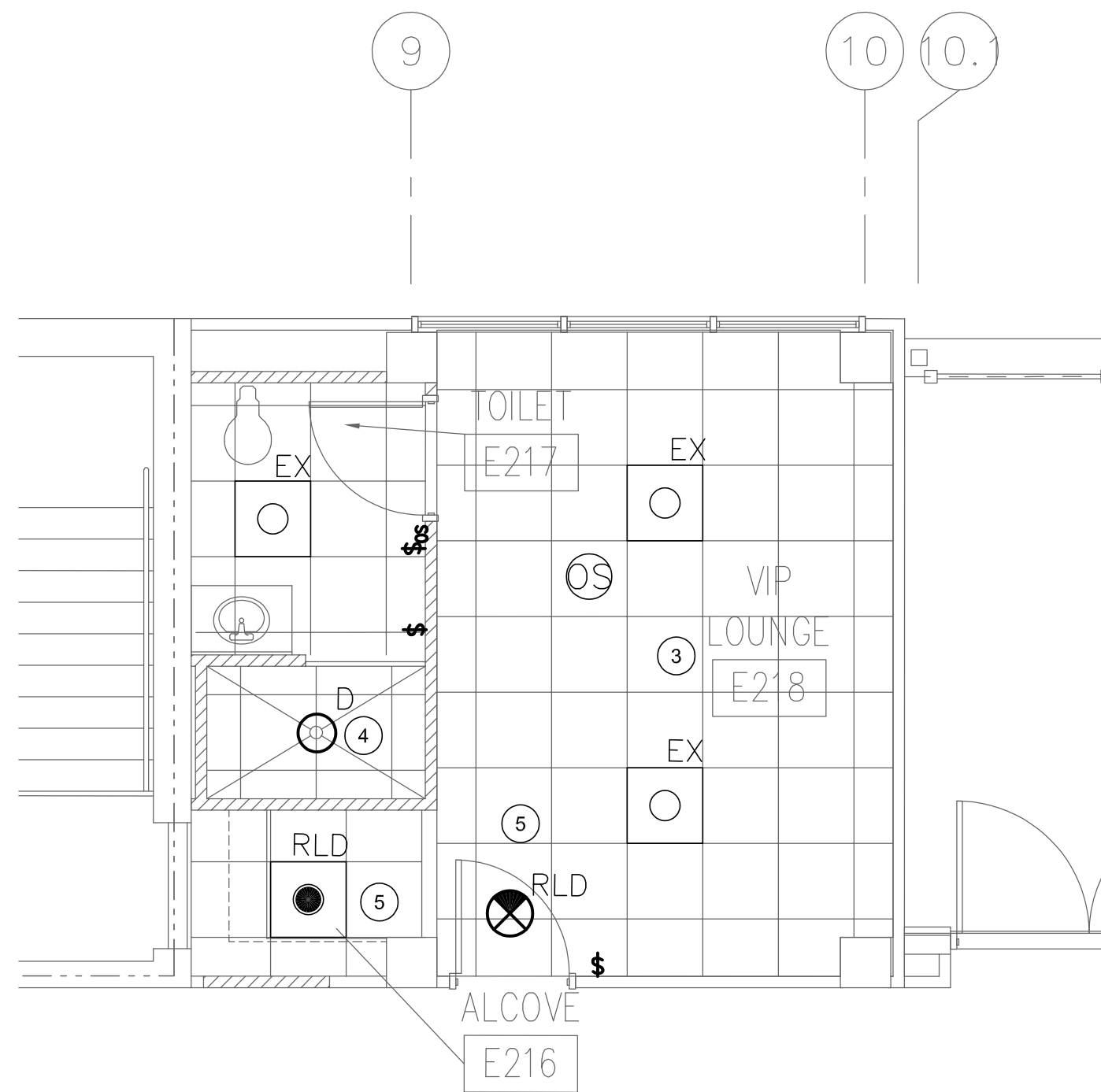
SHEET NUMBER
E4.13



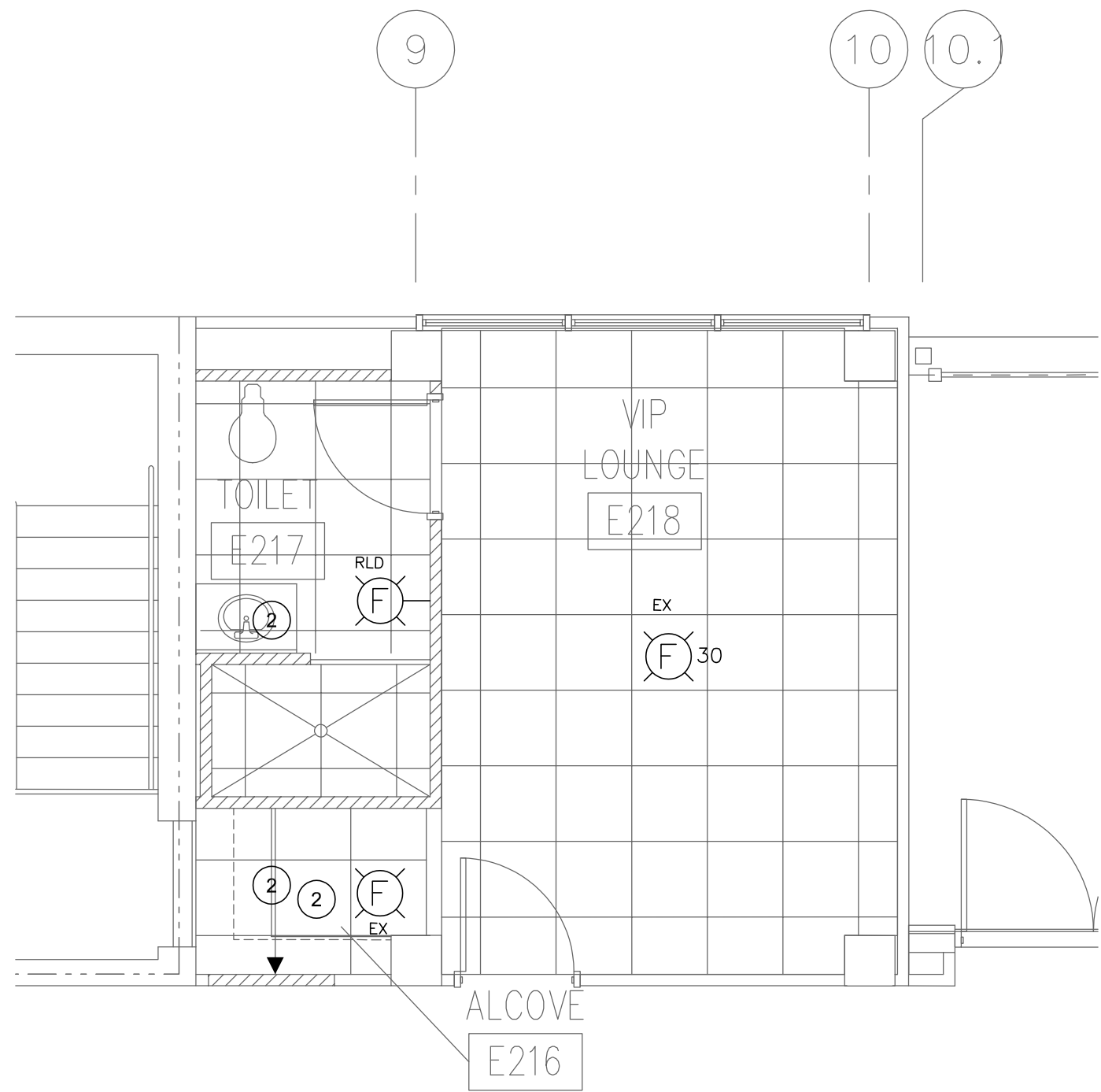
1 LOUNGE DEMOLITION PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



2 LOUNGE NEW WORK PLAN - POWER
SCALE: 1/4" = 1'-0"



3 LOUNGE NEW WORK PLAN - LIGHTING
SCALE: 1/4" = 1'-0"



4 LOUNGE NEW WORK PLAN - SPECIAL SYSTEMS
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE PERFORMED DURING HOURS AS DIRECTED BY THE OWNER AND SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE AND PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- C. EXISTING EQUIPMENT SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- D. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENINGS AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- E. EXISTING ARCHITECTURAL DRAWINGS AND MEP DRAWINGS DO NOT INDICATE RATED WALLS IN THE SCOPES OF WORK. THE EXTERIOR WALLS ARE BLOCK TYPE, BUT THE WALLS BETWEEN THE CORRIDOR AND CLASSROOMS ARE NOT RATED.
- F. EC SHALL CONFIRM EXISTING CONDITIONS AND LOAD PRIOR TO PERFORMING WORK. REPORT ANY DISCREPANCIES BACK TO ENGINEER.
- G. ELECTRICAL DEVICES AND SYMBOLOLOGY DENOTED 'EX' ARE EXISTING POWERING DEVICES.
- H. EC SHALL PROVIDE TYPEWRITTEN, UPDATED PANEL DIRECTORY FOR ALL AFFECTED PANELS WITHIN THE SCOPE OF THIS PROJECT IN ACCORDANCE TO NEC 408.4.A.

DRAWING NOTES:

- 1 DISCONNECT POWER TO RECEPTACLE TO BE REMOVED AND MAINTAIN BRANCH CIRCUIT FOR RE-USE UNDER NEW WORK.
- 2 CONNECT RECEPTACLE TO EXISTING BRANCH CIRCUIT PREVIOUSLY SERVING RECEPTACLES IN THIS ROOM/AREA.
- 3 DISCONNECT POWER TO LIGHTING FIXTURES IN THIS ROOM. MAINTAIN BRANCH CIRCUIT FOR RE-USE UNDER NEW WORK.
- 4 LIGHTING FIXTURES IN THIS ROOM SHALL BE CONNECTED TO EXISTING NORMAL POWER BRANCH CIRCUIT PREVIOUSLY SERVING THIS AREA, UNLESS OTHERWISE NOTED ON PLAN.
- 5 LIGHTING FIXTURES IN THIS ROOM SHALL BE CONNECTED TO EXISTING EMERGENCY POWER BRANCH CIRCUIT PREVIOUSLY SERVING THIS AREA.



Gordon Johnson Architecture
654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2886
Fax: (910) 223-2886
www.gordonjohnsonarchitecture.com
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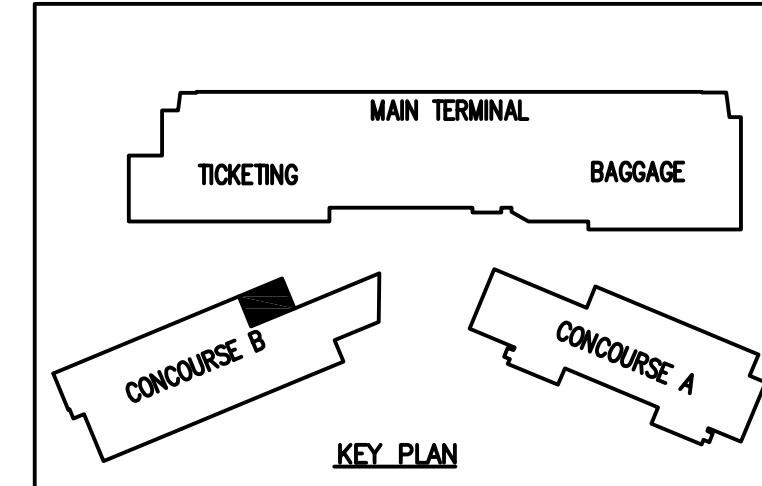


Fayetteville Regional Airport Airline Terminal Improvements - Part 3
CONCOURSE B SECOND FLOOR ELECTRICAL ENLARGED PLANS
 400 Airport Road
 Fayetteville, North Carolina 28306

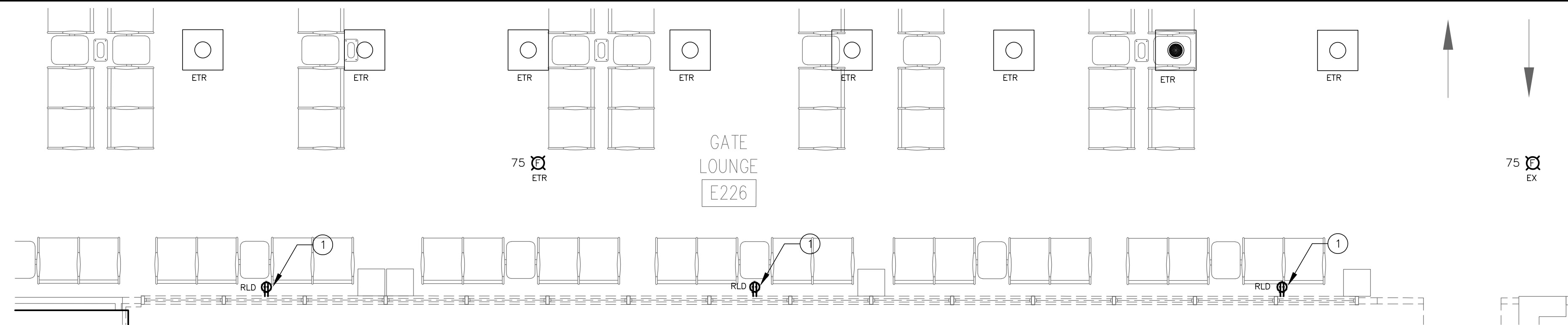
DRAWN BY: **JMM**
 REVIEWED BY: **CDC**
 DATE: **7/31/2023**
 PROJECT NO.: **02230515.A0**
 NOTES:

REVISIONS	

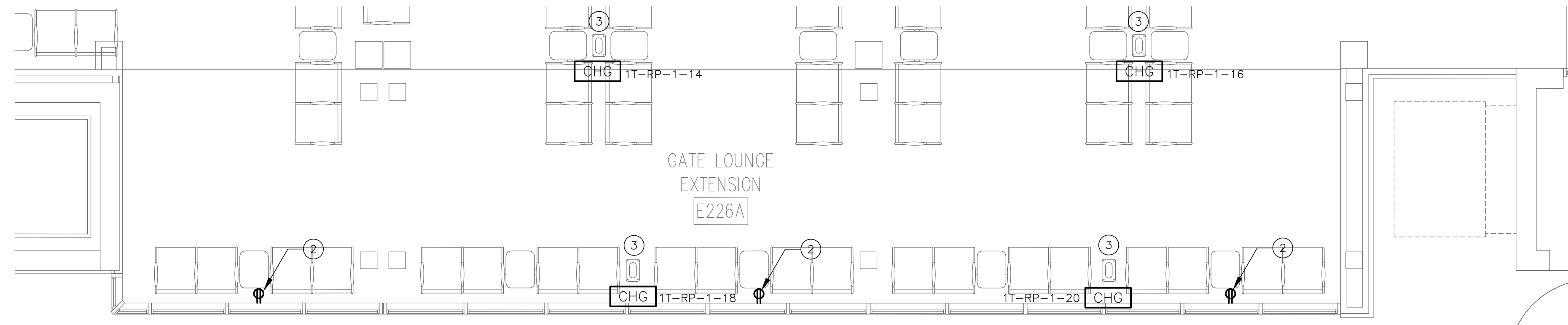
SHEET NUMBER
E4.21



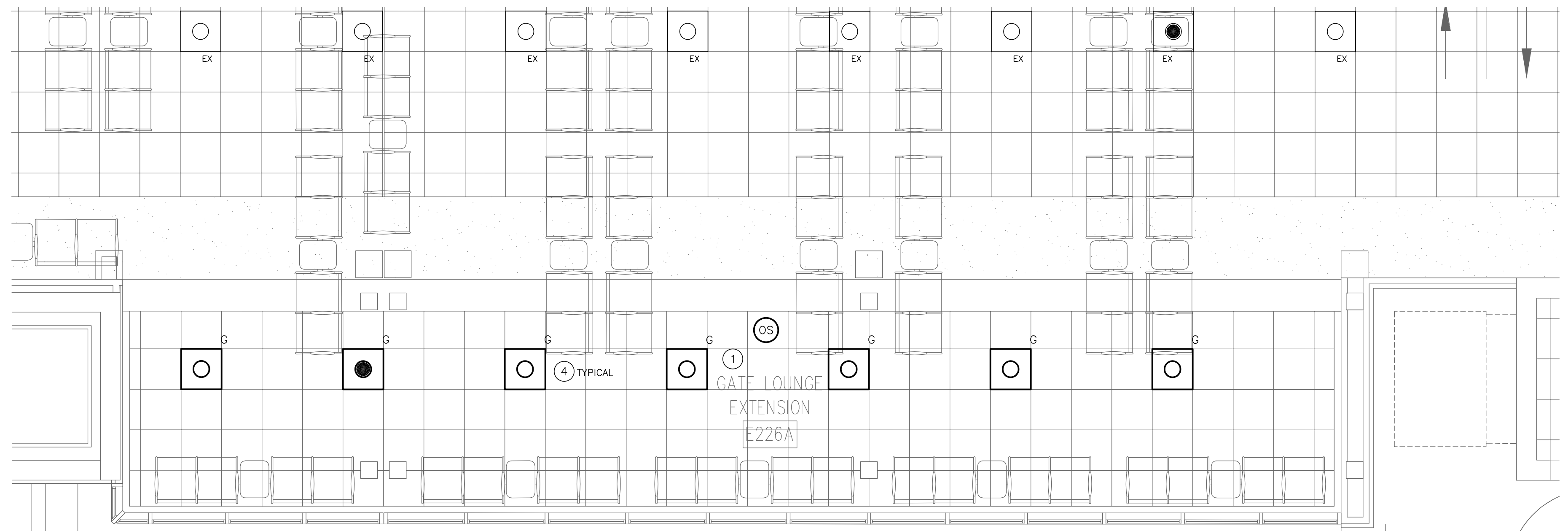
FIRE RATED WALL LEGEND	
[Symbol]	1 HOUR FIRE PARTITION
[Symbol]	1 HOUR FIRE BARRIER



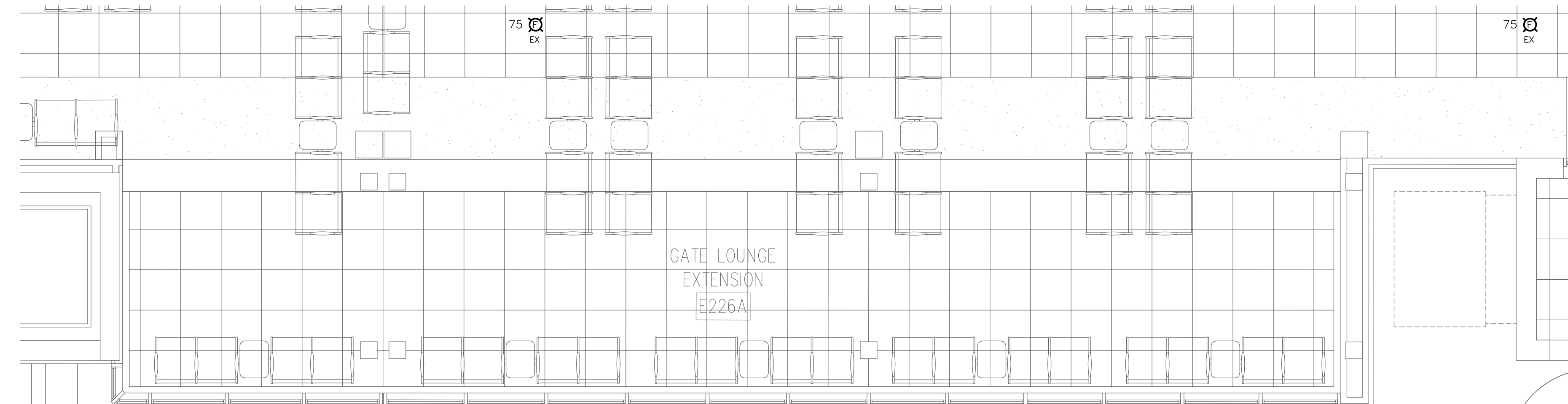
1 GATE EXTENSION DEMOLITION PLAN - ELECTRICAL



2 GATE EXTENSION NEW WORK PLAN - POWER



3 GATE EXTENSION NEW WORK PLAN - LIGHTING



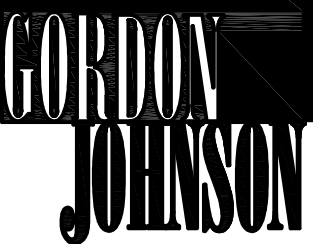
1 GATE EXTENSION NEW WORK PLAN - SPECIAL SYSTEMS

GENERAL NOTES:

- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF ELECTRICAL SERVICE, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE PERFORMED DURING HOURS AS DIRECTED BY THE OWNER AND SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
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- H. EC SHALL PROVIDE TYPEWRITTEN, UPDATED PANEL DIRECTORY FOR ALL AFFECTED PANELS WITHIN THE SCOPE OF THIS PROJECT IN ACCORDANCE TO NEC 408.4.A.

DRAWING NOTES:

- 1 DISCONNECT, PRESERVE CIRCUIT, AND EXTEND TO NEW LOCATION FOR REUSE UNDER NEW WORK.
- 2 RECONNECT TO ORIGINAL CIRCUIT. CONNECT NEW LIGHTING FIXTURE TO EXISTING CONTROLS.
- 3 PROVIDE CONNECTION FOR OWNER PROVIDED CHARGING STATIONS. ALL FINAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATION.
- 4 CONNECT NEW LIGHTING FIXTURES TO EXISTING NORMAL POWER BRANCH CIRCUIT AND CONTROLS SERVING THIS AREA.



Architecture
 654 Hay Street, Suite 4
 Fayetteville, NC 28301
 Phone: (910) 223-2188
 Fax: (910) 223-2189
 E-mail: gordon@gordonjohnsonarchitecture.com
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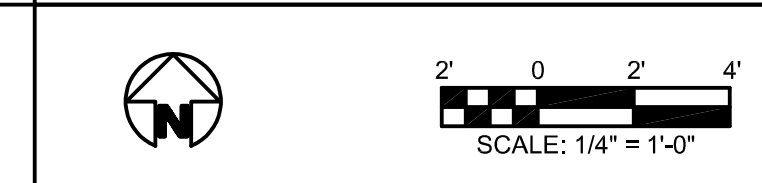
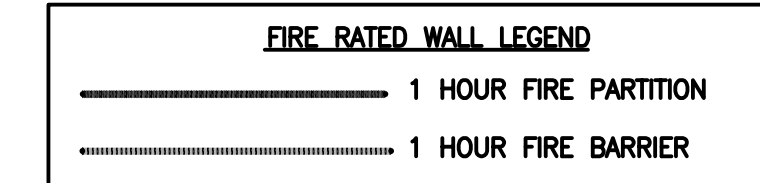
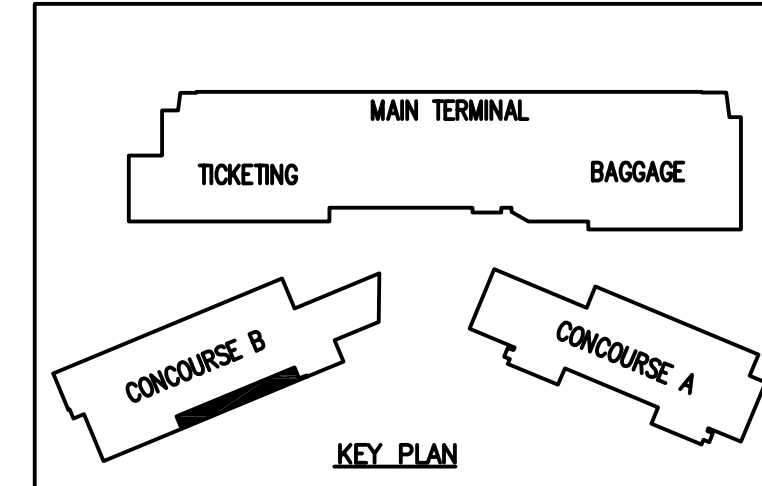


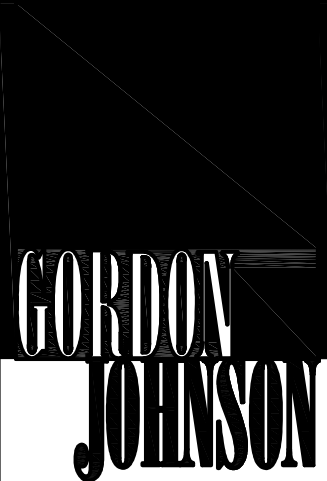
Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 CONOURSE B SECOND FLOOR ELECTRICAL ENLARGED PLANS
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: JMM
 REVIEWED BY: CDC
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

NO.	REVISIONS

SHEET NUMBER
E4.22





GORDON JOHNSON
Architecture
654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2188
Fax: (910) 223-2189
gordon@gordonjohnsonarchitecture.com
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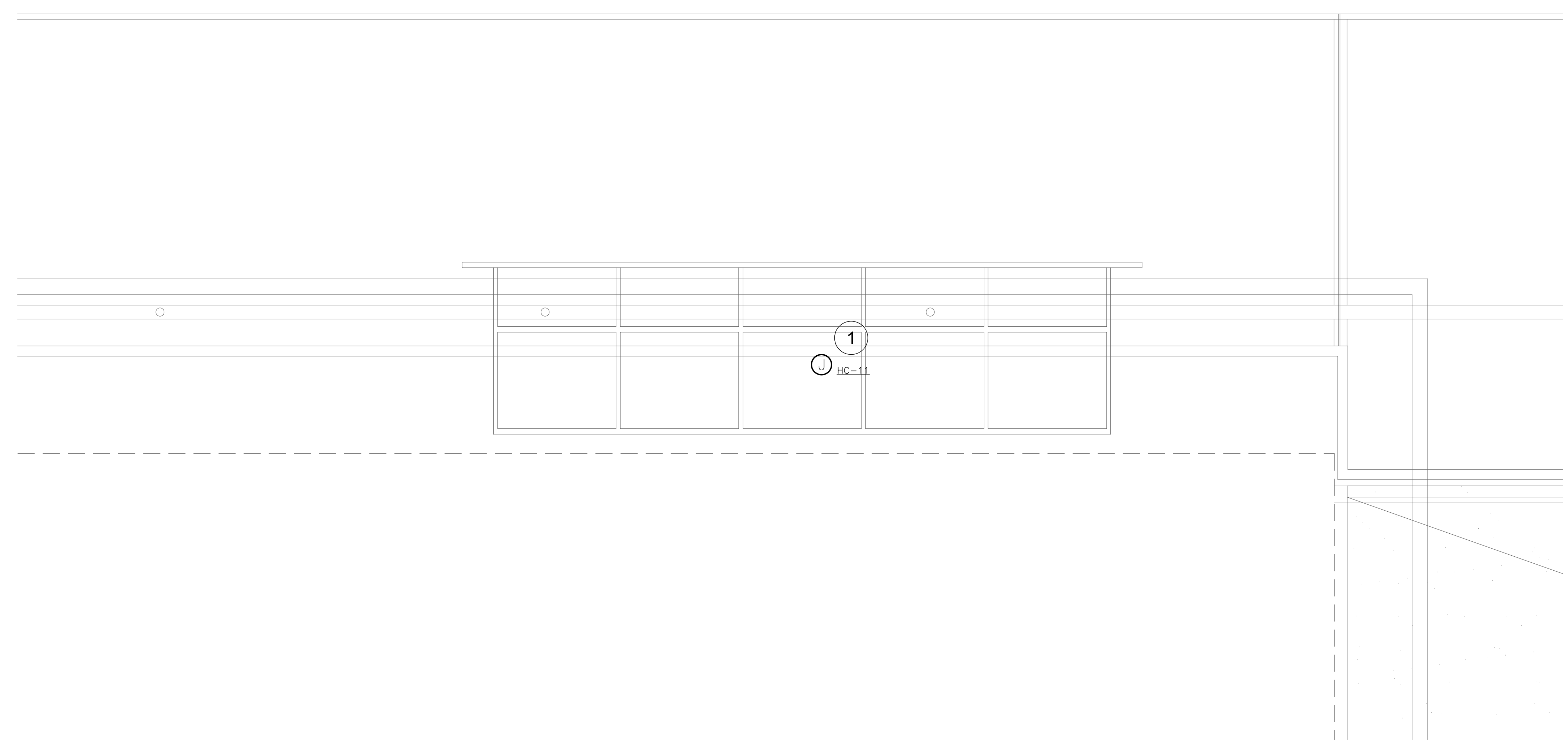


GENERAL NOTES:

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DRAWING NOTES:

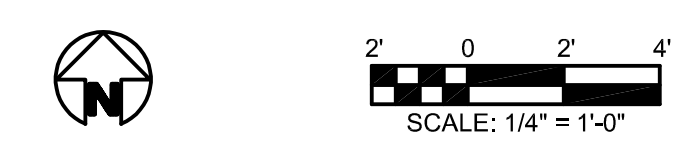
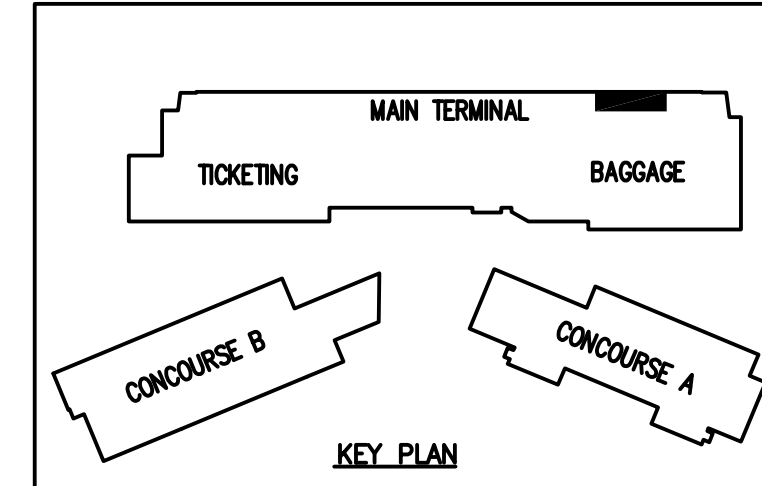
- ① PROVIDE 120V CONNECTION WITH 2#12, 1#12G. IN 3/4" CONDUIT TO 1P-20A CIRCUIT FOR POWERED SIGN. INSTALL PER MANUFACTURER'S RECOMMENDATION. COORDINATE EXACT CONNECT AND LOCATION IN THE FIELD PRIOR TO PERFORMING WORK. PER ARCHITECT CONDUIT SHALL NOT BE EXPOSED IF POSSIBLE. SUBMIT CONDUIT ROUTING TO DESIGN TEAM FOR REVIEW PRIOR TO INSTALLATION.



 **NEW FAYETTEVILLE NC SIGN - NEW WORK PLAN - POWER**

FIRE RATED WALL LEGEND

	1 HOUR FIRE PARTITION
	1 HOUR FIRE BARRIER

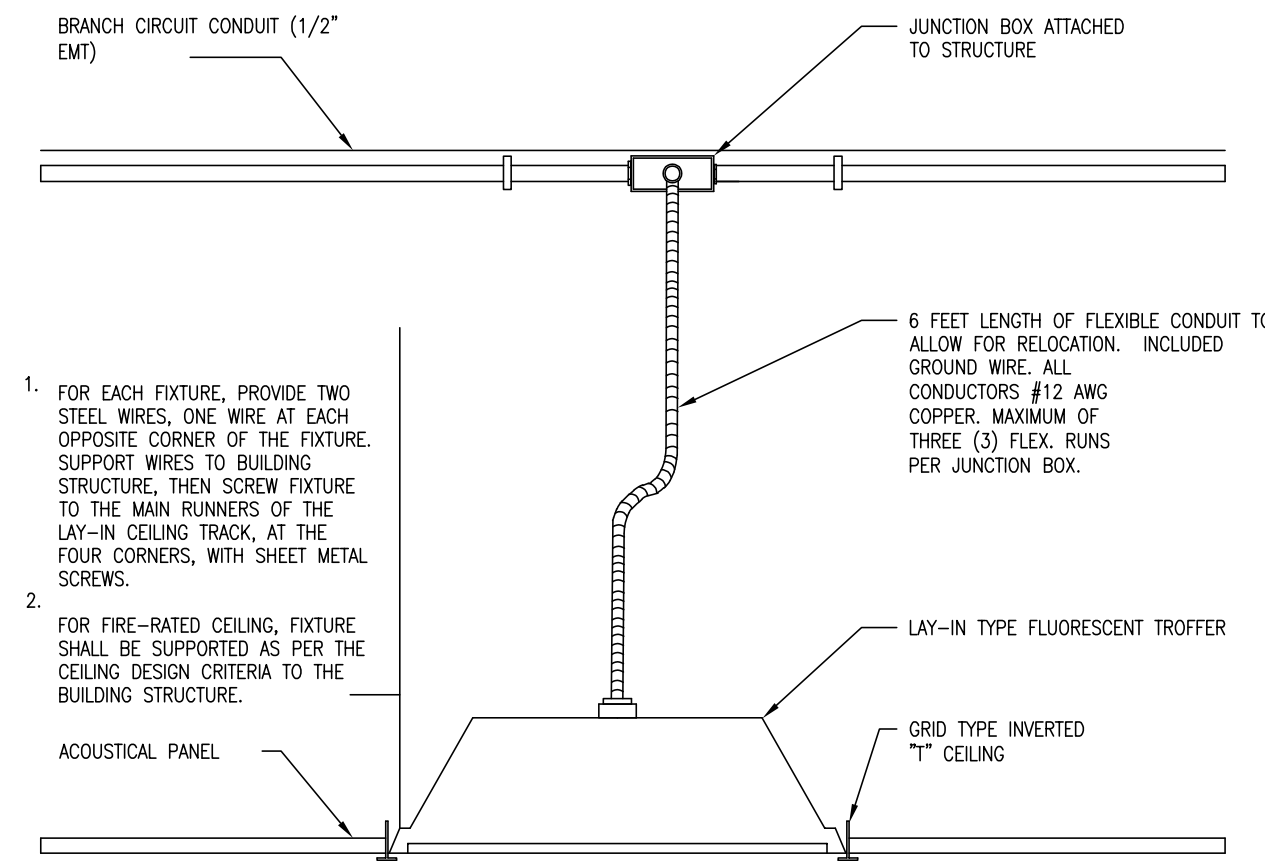


Fayetteville Regional Airport Airline Terminal Improvements - Part 3
 MAIN TERMINAL PARTIAL ROOF ELECTRICAL PLAN
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: JMM
 REVIEWED BY: CDC
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

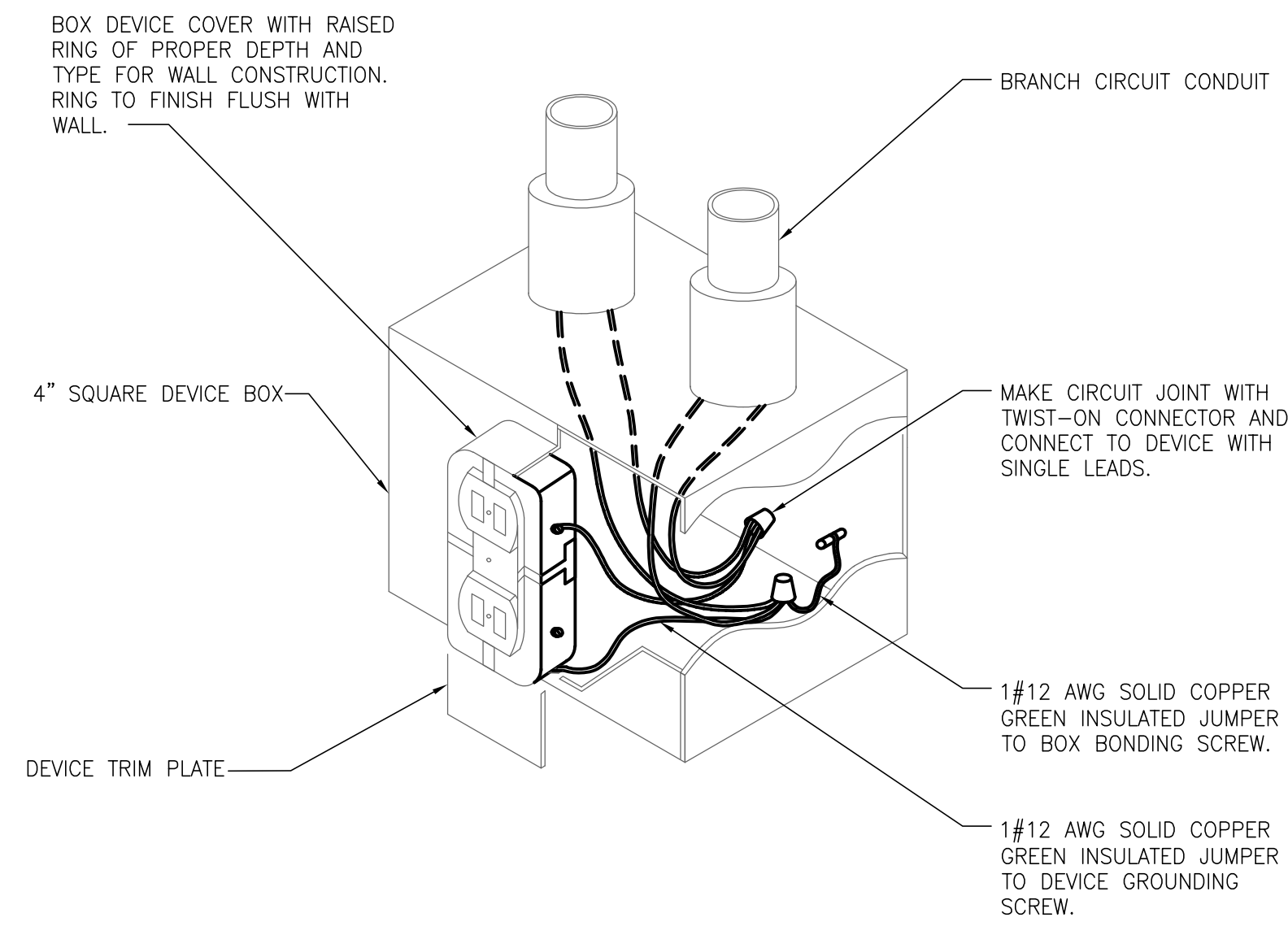
REVISIONS

SHEET NUMBER
E4.23



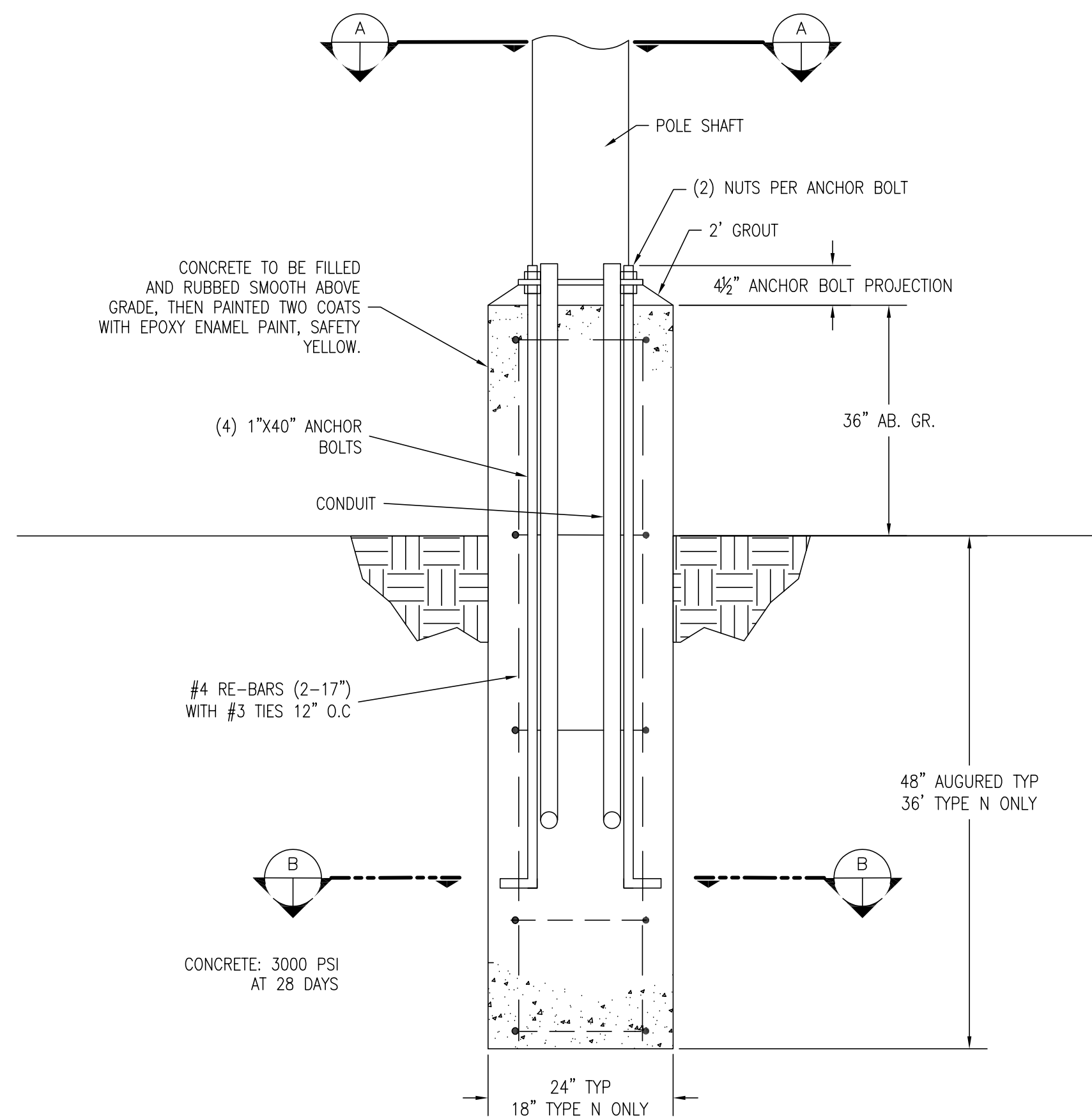
LIGHTING FIXTURE MOUNTING DETAIL

SCALE: NONE 1



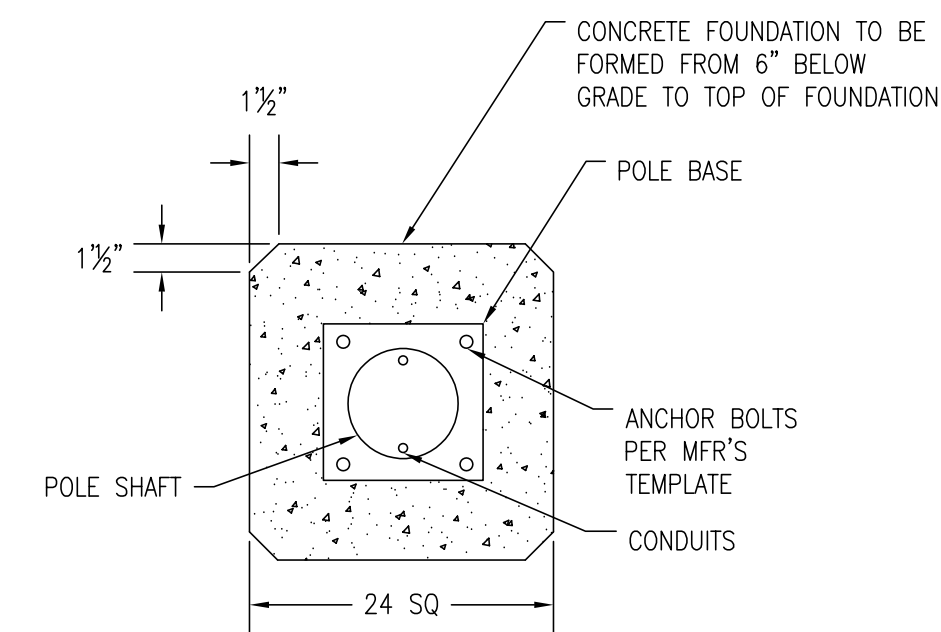
RECEPTACLE GROUNDING DETAIL

SCALE: NONE 2

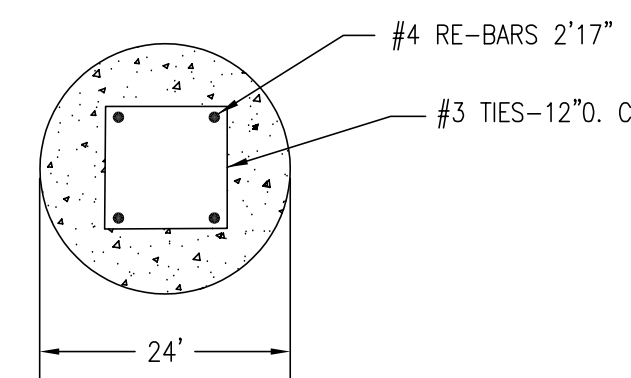


LIGHTING POLE FOUNDATION DETAIL

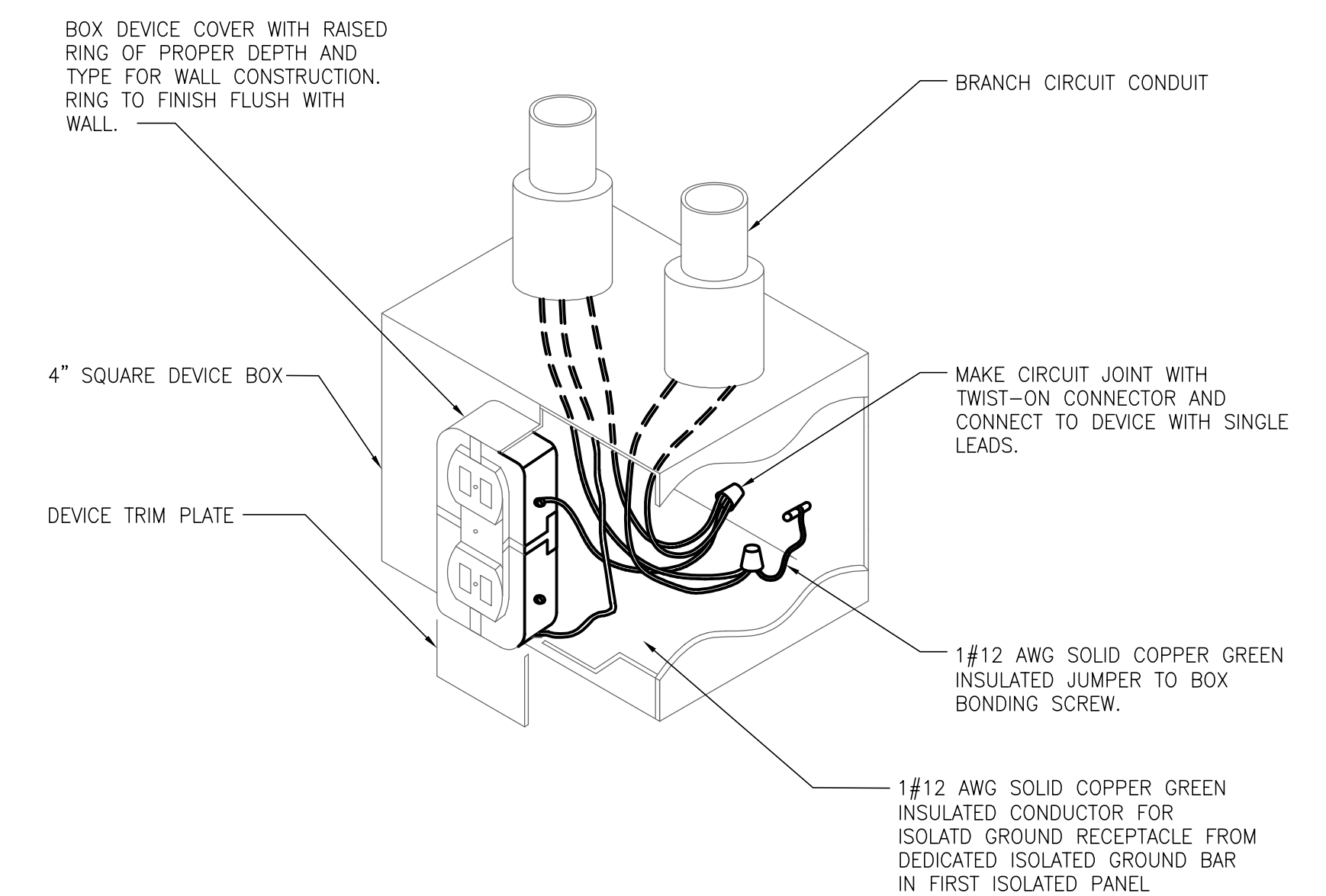
SCALE: NONE 3



SECTION A-A
SCALE: NONE



SECTION B-B
SCALE: NONE



ISOLATED GROUND RECEPTACLE GROUNDING DETAIL

SCALE: NONE 4



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Fayetteville, NC 28301
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Fayetteville Regional Airport Airline Terminal Improvements - Part 3

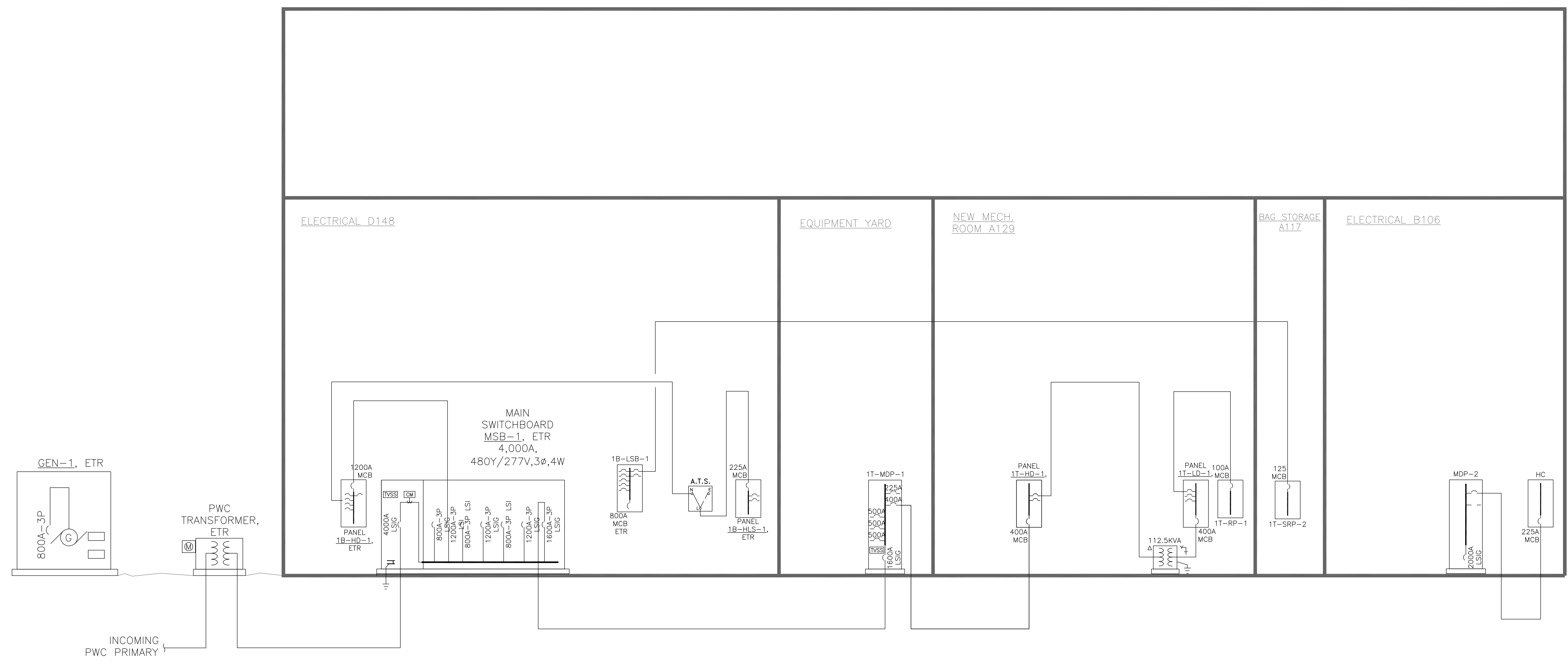
ELECTRICAL DETAILS

400 Airport Road
Fayetteville, North Carolina 28306

DRAWN BY: JMM
REVIEWED BY: CDC
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
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SHEET NUMBER
E5.01



PARTIAL RISER DIAGRAM

Fayetteville Regional Airport Airline Terminal Improvements – Part 3
 PARTIAL RISER DIAGRAM
 400 Airport Road
 Fayetteville, North Carolina 28306

DRAWN BY: JMM
 REVIEWED BY: CDC
 DATE: 7/31/2023
 PROJECT NO.: 02230515.A0
 NOTES:

REVISIONS

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E6.01



LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS - SYLVANIA					MOUNTING	REMARKS	MANUFACTURER	TYPE
		TYPE	WATTAGE	QTY.	COLOR TEMP.	VOLTAGE				
A	12" SQUARE CAST-ALUMINUM SURFACE MOUNTED LED CANOPY FIXTURE	LED	41	1	50K	MVOLT	SURFACE	-	LITHONIA VRC LED 1 50K MVOLT	A
D	6" SHOWER LED DOWNLIGHT NON IC	LED	18	1	35K	MVOLT	RECESSED	CONFIRM VOLTAGE AND MOUNTING. PROVIDE ALL COMPONENTS NECESSARY TO COMPRISE A COMPLETE WORKING SYSTEM.	LITHONIA LIGHTING: LDN6 35/15 LW6AR LSS MVOLT GZ10	D
G	4" 2X2 RECESSED LED	LED	36.9	1	35K	-	RECESSED	CONFIRM VOLTAGE AND MOUNTING. PROVIDE ALL COMPONENTS NECESSARY TO COMPRISE A COMPLETE WORKING SYSTEM.	FINELITE HPR LED F 2X2 DCO SO 3500K SC	G

MOTOR EQUIPMENT AND CONTROL SCHEDULE

EQUIPMENT						SUPPLY				CONTROL DEVICES AS SHOWN ON PLANS BY ITEM NUMBER					KEYED MOTOR STARTER NOTES:		
PLAN SYMBOL	NAME	LOCATION	HP/A/KW	PHASE	VOLT	PANEL	CIRCUIT BREAKER	POWER WIRING FROM PANEL TO CONTROL UNIT	POWER REQUIREMENT FROM CONTROL UNIT TO EQUIPMENT BY DIV. FURNISHING THE EQUIPMENT	REF. NOTES	DISCONNECT SWITCH	MOTOR STARTER AND ACCESSORIES	CONTROL DEVICE LOCATION	ITEM NUM.	KEYED MOTOR STARTER NOTES:		
ITEM NUM.										SWITCH AMPS	FUSE SIZE	LOC.	NEMA SIZE				
AHU-1A	NEW AIR HANDLING UNIT	NEW LOUNGE A138	1/2.50/.810	3	480	1T-HD-1/13,15,17	15A-3P	3#12.#12G,3/4"C	3#12.#12G,3/4"C	R1	15	15	NR	1	K15,K17,K19	-	AHU-1A
EF-B5	NEW EXHAUST FAN - CSP-A200	TOILET E217	--	1	115	HC	15A-1P	2#12,3/4"C	2#12,3/4"C								
EF-6	NEW EXHAUST FAN - SP-LP0511-1	TOILET A131	--	1	115	HC	15A-1P	2#12,3/4"C	2#12,3/4"C								

GENERAL NOTES:
A. REFER TO EQUIPMENT CONNECTION RESPONSIBILITIES DETAIL AND PROVIDE ALL DEVICES, EQUIPMENT AND WIRING REQUIRED UNDER AREA OF RESPONSIBILITY.
B. ITEM NUMBER INDICATES EQUIPMENT NUMBER
C. ALL CONTROL DEVICES ARE TO BE SURFACE MOUNTED UNLESS OTHERWISE NOTED
D. PROVIDE OVERLOADS, SIZE AS REQUIRED BY DIVISION SUPPLYING THE EQUIPMENT
E. "AU" INDICATES CONTROL DEVICE LOCATED AT UNIT

F. "NR" INDICATES NEAR UNIT
G. "NF" INDICATES NOT-FUSED
H. PROVIDE LAMACOD LABEL WITH EQUIPMENT DESIGNATION AND POWER SOURCE AT EACH DISCONNECT SWITCH AND STARTER

REFERENCE NOTES:
R1. PROVIDE HACR TYPE BREAKER.
R2. PROVIDE SHUNT TRIP BREAKER.
R3. VERIFY EXACT REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
R4. COORDINATE SUMP PUMP CONTROL PANEL LOCATION WITH INSTALLER PRIOR TO ROUGH-IN.
R5. PROVIDE (GFEP) GROUND FAULT EQUIPMENT PROTECTION TYPE BREAKER.

K6. COMBINATION REDUCED VOLTAGE MAGNETIC STARTER
K7. PACKAGED CONTROL UNIT
K14. MANUAL MOTOR STARTER WITH RELAY (RELAY TO ACCOMMODATE DDC CONTROL.)
K15. VARIABLE FREQUENCY DRIVE
K16. DUPLEX CONTROLLER WITH ALTERNATION CIRCUIT
K17. FIRE ALARM FAN SHUTDOWN
K18. PROVIDE DUPLEX RECEPTACLE FOR EQUIPMENT CONNECTION
K19. FURNISHED WITH EQUIPMENT

PANELBOARD: 1B-HLS-1 MAINS: 150A MCB AMPS: 225A MIN AIC: 45000												
EMERGENCY ELEC.												
LOCATION: D109 VOLTS: 480/277 VAC PHASE: 3 WIRES: 4												
MOUNTING: SURFACE ENCL NEMA: 1 NOTES: EXISTING, LIFE SAFETY												
SERVES	CB	TA	SP	BUS	CB	TA	SP	SERVES				
EMER LGHTG D106,D109,D148,D108,D127	1	20	1	A	2	20	1					
EMER LGHTG MAIN TERMINAL ENTRANCE	1	20	3	B	4	60	3	PANEL 2B-HLS-1				
EMER LGHTG TSA TEMP CHECKPOINT G124	1	20	5	C	6	60	3	PANEL IT-HLS-1				
EMER LGHTG TSA TEMP CHECKPOINT G124	1	20	7		8							
SPARE	1	20	11		12							
SPARE	1	20	13		14			SPACE				
SPARE	1	15			16			SPACE				
SPARE	1	17			18			SPACE				
SPARE	1	19			20			SPACE				
SPARE	1	21			22			SPACE				
SPARE	1	23			24			SPACE				
SPARE	1	25			26			SPACE				
SPARE	1	27			28			SPACE				
SPARE	1	29			30			SPACE				
SPARE	1	31			32			SPACE				
SPARE	1	33			34			SPACE				
SPARE	1	35			36			SPACE				
SPARE	1	37			38			SPACE				
SPARE	1	39			40			SPACE				
SPARE	1	41			42			SPACE				
			0.41			0.44			0.17			

GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHALL CONDUCT 30 DAY METER READINGS FOR ALL AFFECTED PANELBOARDS TO CONFIRM AVAILABLE CAPACITY DOES NOT EXCEED 80% OF PANEL RATING. IF ANY PANELS EXCEED 80% OF THE RATING CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD.

DRAWING NOTES:

- CIRCUITS RELOCATED FROM PANEL L2A. UTILIZE EXISTING 1P, 20A CIRCUIT BREAKER.
- CIRCUITS RELOCATED FROM PANEL L2. UTILIZE EXISTING 1P, 20A CIRCUIT BREAKER.
- PROVIDE 1P, 20A CIRCUIT BREAKER TO MATCH EXISTING GE TYPE NLAB PANEL MAKE AND CHARACTERISTICS.

PANELBOARD: 1T-HD-1 MAINS: 600A MCB AMPS: 600A MIN AIC: 65,000												
NEW MECH.												
LOCATION: RM A129 VOLTS: 480Y/277 VAC PHASE: 3 WIRES: 4												
MOUNTING: SURFACE ENCL NEMA: 1 NOTES: EXISTING												
SERVES	CB	TA	SP	BUS	CB	TA	SP	SERVES				
SPARE	3	100	3	A	4	225	3	EX XFMR TO PANELBOARD 1T-LD-1				
SPARE	3	90	9	B	10	100	3	PANEL IT-HP-1				
AHU	3	15	15	C	16		3	SPACE				
SPACE	3	21			22		3	SPACE				
SPACE	3	23			24		3	SPACE				
SPACE	3	27			28		3	SPACE				
SPACE	3	31			32		3	SPACE				
SPACE	3	33			34		3	SPACE				
SPACE	3	35			36		3	SPACE				
SPACE	3	37			38		3	SPACE				
SPACE	3	39			40		3	SPACE				
SPACE	3	43			44		3	SPACE				
SPACE	3	45			46		3	SPACE				
SPACE	3	47			48		3	SPACE				
SPACE	3	49			50		3	SPACE				
SPACE	3	51			52		3	SPACE				
SPACE	3	53			54		3	SPACE				
SPACE	3	55			56		3	SPACE				
SPACE	3	57			58		3	SPACE				
SPACE	3	59			60		3	SPACE				
			82.26			78.92			82.12			

PANELBOARD: 1T-RP-1 MAINS: 100A MCB AMPS: 225A MIN AIC: 65,000												
NEW MECH.												
LOCATION: ROOM A129 VOLTS: 208Y/120 VAC PHASE: 3 WIRES: 4												
MOUNTING: SURFACE ENCL NEMA: 1 NOTES: EXISTING												
SERVES	CB	TA	SP	BUS	CB	TA	SP	SERVES				
TICKETING CTR A106 RECEPTACLES	1	20	1	A	2	20	1	EX FAN COIL UNIT FCU-1A				
TICKETING CTR A106 RECEPTACLES	1	20	3	B	4	20	1	EX FAN COIL UNIT FCU-1B				
TICKETING CTR A106 RECEPTACLES	1	20	5	C	6	20	2	EX MINISPLIT A/C SYSTEM CU-1/DSS-1				
EX TICKETING LOBBY A101 RECEPTACLES	1	20	7		8	15	1	EX AIR WALL AW-1				
EX IRRIGATION CONTROLLER	1	20	9		10	20	1	EX SUMP PUMP SP-5				
EX HOUSEKEEPING RECEPTACLES	1	20	11		12	20	1	EX TRAP PRIMING ST A128				
EX RECPT - MECH A129	1	20	13		14	20	1	SPACE				
SPARE	1	20	15		16	20	1	SPACE				
EX CH-1A - BLOCK HTR	1	20	17		18	20	1	SPACE				
EX CH-1B - BLOCK HTR	1	20	19		20	20	1	SPACE				
REFRIGERATOR	1	20	21		22	--	1	SPACE				
SPACE	1	20	23		24	--	1	SPACE				
SPACE	1	20	25		26	--	1	SPACE				
SPACE	1	20	27		28	--	1	SPACE				
SPACE	1	20	29		30	--	1	SPACE				
SPACE	1	20	31		32	--	1	SPACE				
SPACE	1	--	33		34	--	1	SPACE				
SPACE	1	--	35		36	--	1	SPACE				
SPACE	1	--	37		38	--	1	SPACE				
SPACE	1	--	39		40	--	1	SPACE				
SPACE	--	--	41		42	--	--	SPACE				
			X			X			X			

PANELBOARD: HC MAINS: MLO AMPS: 225A MIN AIC: 65,000												
NEW MECH.												
LOCATION: ROOM A- VOLTS: 208Y/120 VAC PHASE: 3 WIRES: 4												
MOUNTING: SURFACE ENCL NEMA: 1 NOTES: EXISTING												
SERVES	CB	TA	SP	BUS	CB	TA	SP	SERVES				
RECPTS - LOUNGE A138	1	20	1	A	2	20	1	RECPTS - OFFICE A135				
RECPTS - TRAINING A134	1	20	3	B	4	20	1	RECPTS - OFFICE A136				
RECPTS - OFFICE A137	1	20	5	C	6	20	1	RECPTS - OPERATIONS A132				
RECPTS - LOUNGE 133	1	20	7		8	20	1	RECPTS - TOILET A131 & LOUNGE 133				
RECPT - TOILET E217	1	20	9		10	20	1	RECPT - ALCOVE E216				
POWERED SIGN	1	20	11		12	20	1	NEW EXHAUST FAN - EF-B5				
NEW EXHAUST FAN - EF-6	1	20	13		14	20	1	RECPT -				
RECPT -	1	20	15		16	20	1	RECPT -				
SPARE	1	20	17		18	20	1	SPACE				
SPARE	1	20	19		20	20	1	SPACE				
SPACE	1	--	21		22	--	1	SPACE				
SPACE	1	--	23		24	--	1	SPACE				
SPACE	1	--	25		26	--	1	SPACE				
SPACE	1	--	27		28	--	1	SPACE				
SPACE	1	--	29		30	--	1	SPACE				
SPACE	1	--	31		32	--	1	SPACE				
SPACE	1	--	33		34	--	1	SPACE				
SPACE	1	--	35		36	--	1	SPACE				
SPACE	1	--	37		38	--	1	SPACE				
SPACE	1	--	39		40	--	1	SPACE				
SPACE	--	--	41		42	--	--	SPACE				
			X			X			X			

PANELBOARD: 1T-SRP-2 MAINS: 125 A MCB AMPS: 225A MIN AIC: 65,000												
BAG STORAGE												
LOCATION: A117 VOLTS: 208Y/120 VAC PHASE: 3 WIRES: 4												
MOUNTING: SURFACE ENCL NEMA: 1 NOTES: EXISTING (DESIGNATION S2)												
SERVES	CB	TA	SP	BUS	CB	TA	SP	SERVES				
TICKETING CTR A105 RECEPTACLES	1	20	1	A	2	20	1	EX TICKETING LOBBY A101 COL. F7 KIOSK RECEPTACLES				
TICKETING CTR A105 RECEPTACLES	1	20	3	B	4	20	1	EX TICKETING LOBBY A101 COL. F7 KIOSK RECEPTACLES				
TICKETING CTR A105 RECEPTACLES	1	20	5	C	6	20	1	EX TICKETING LOBBY A101 COL. F7 KIOSK RECEPTACLES				
TICKETING CTR A105 RECEPTACLES	1	20	7		8	20	1	EX TICKETING LOBBY A101 COL. F8 KIOSK RECEPTACLES				
TICKETING CTR A105 RECEPTACLES	1	20	9		10	20	1	EX TICKETING LOBBY A101 COL. F8 KIOSK RECEPTACLES				
TICKETING CTR A104 RECEPTACLES	1	20	11		12	20	1	EX TICKETING LOBBY A101 COL. F8 KIOSK RECEPTACLES				
TICKETING CTR A104 RECEPTACLES	1	20	13		14	30	2	EX BAG SCREENING (A107) CT-80DR (WEST UNIT)				
TICKETING CTR A104 RECEPTACLES	1	20	15		16	30	2	EX BAG SCREENING (A107) CT-80DR (EAST UNIT)				
TICKETING CTR A103 RECEPTACLES	1	20	17		18	30	2	EX BAG SCREENING (A107) CT-80DR (EAST UNIT)				
TICKETING CTR A103 RECEPTACLES	1	20	19		20			SPACE				
EX DOOR HW-A107 (NORTH)	1	20	21		22	40	2	EX BAG SCREENING (A107) SCANNER UPS (WEST UNIT)				
EX BAG SCREENING (A107) VIEWING STATION REC. (WEST)	1	20	23		24			EX BAG SCREENING (A107) VIEWING STATION REC. (EAST)				
EX BAG SCREENING (A107) VIEWING STATION REC. (EAST)	1	20	25		26	40	2	EX BAG SCREENING (A107) LUGGAGE WAITING				
EX OVERSIZE SCREEN(A106)	1	20	27		28			EX DOOR HW-A107 (SOUTH)				
EX TICKETING COUNTER A103 RECEPTACLES	1	20	31		32			EX TICKETING COUNTER A103 RECEPTACLES				
EX TICKETING COUNTER A103 RECEPTACLES	1	20	33		34	30	2	SPACE				
SPACE	1	30	35		36			SPACE				
DATA RACK - OFFICE A111	1	15	37		38		1	SPACE				
SPACE	1	39			40		1	SPACE				
SPACE	--	--	41		42		1	SPACE				
			8.92			10.4			7.92			



654 Hay Street, Suite 4
Fayetteville, NC 28301
Phone: (910) 223-2888
Fax: (910) 223-2888
gordon@johnsonarchitecture.com
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Gordon E. Johnson, AIA
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DRAWN BY: JMW
REVIEWED BY: CDC
DATE: 7/31/2023
PROJECT NO.: 02230515.A0
NOTES:

REVISIONS