

PROJECT: 25047

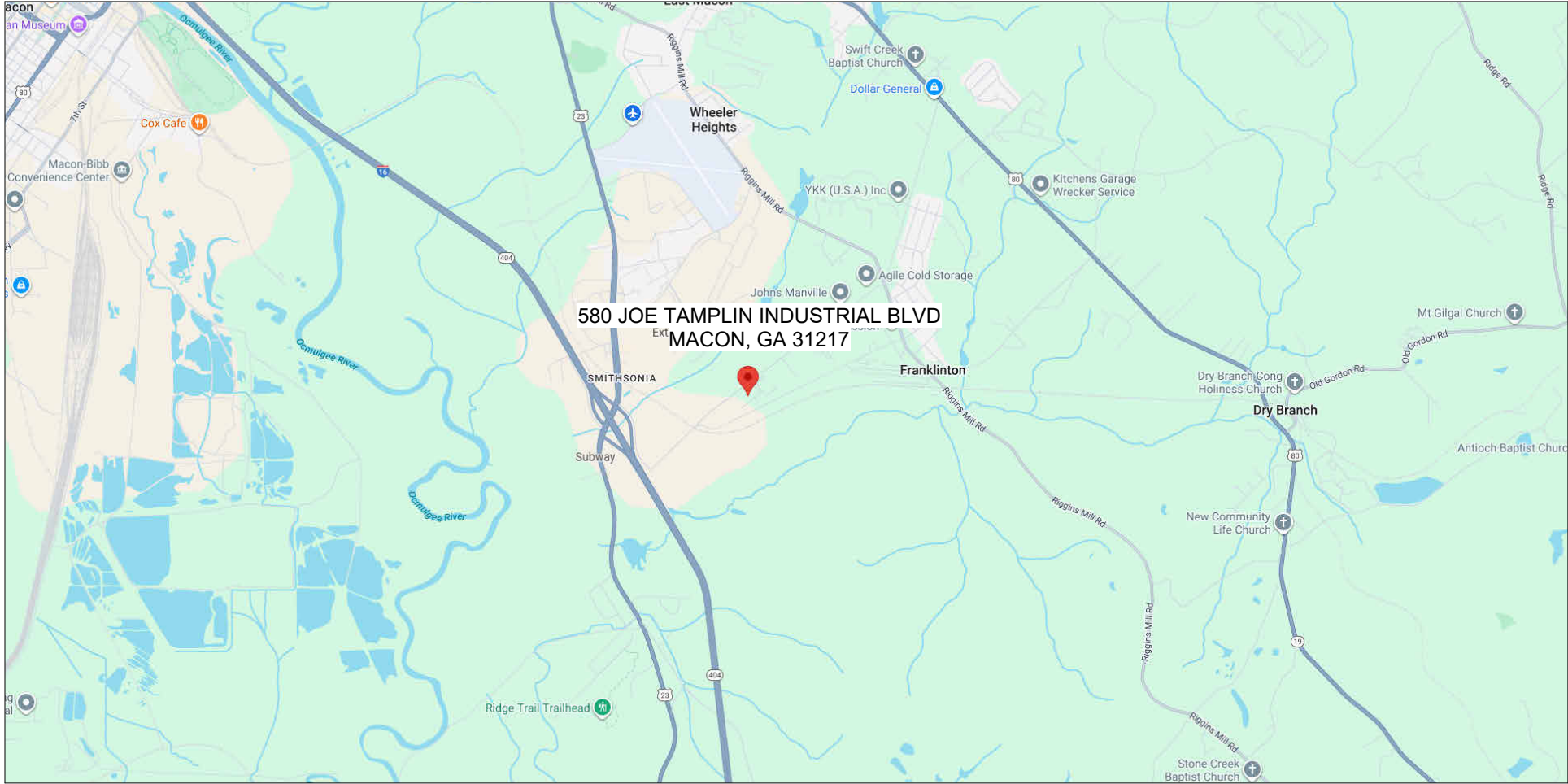
CHEM AQUA
INTERIOR RENOVATION
580 JOE TAMPLIN INDUSTRIAL BLVD
MACON, GA 31217



ISSUED FOR CONSTRUCTION

10/21/2025

VICINITY MAP



PROJECT DIRECTORY

ARCHITECT

ALL ARCHITECTURE, LLC
2052 CHRYSLER DRIVE NE
ATLANTA, GA 30345

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ELECTRICAL ENGINEER

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MACON, GA 31201

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E-MAIL: AMCCLELLAN@EDC1973.COM

GENERAL CONTRACTOR

STROUD AND COMPANY
427 8TH STREET
MACON, GA 31201

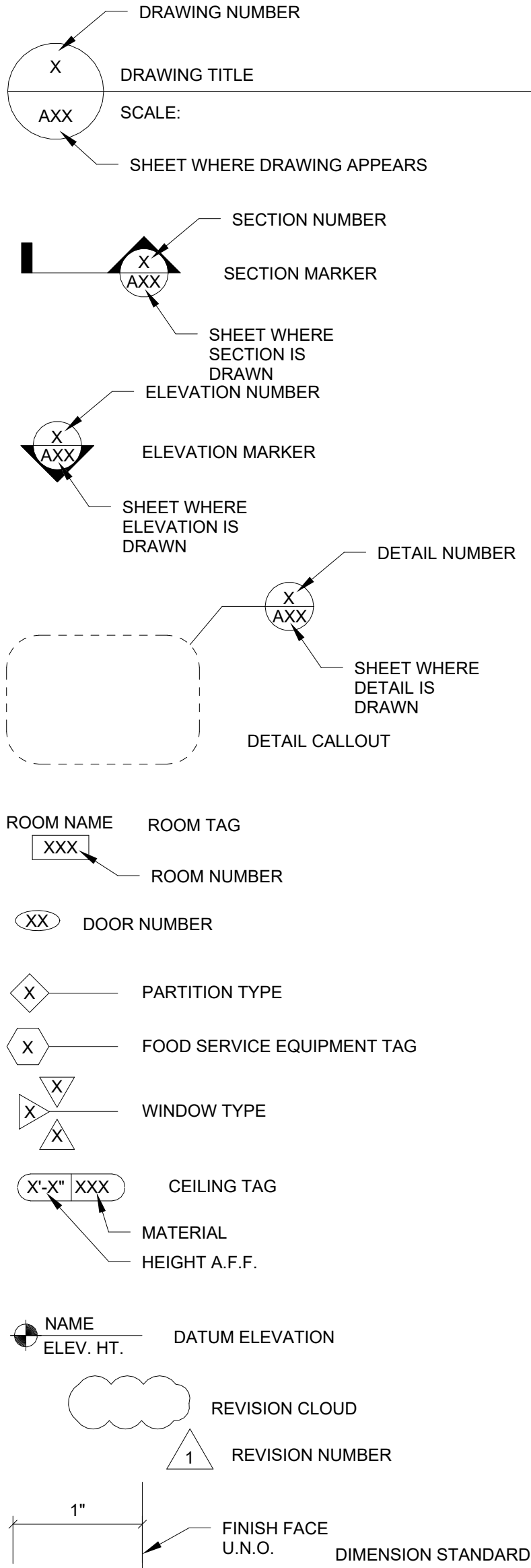
CONTACT: CHUCK STROUD
PHONE: 478-743-5097
E-MAIL: CGSTROUD@STOUDANDCOMPANY.COM

CLIENT

CHEM AQUA
580 JOE TAMPLIN INDUSTRIAL BLVD
MACON, GA 31217

CONTACT: CHUCK STROUD
PHONE: 478-743-5097
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SYMBOL LEGEND



PROJECT SUMMARY

THIS PROJECT IS A PARTIAL INTERIOR RENOVATION OF THE CHEM AQUA CENTER LOCATED IN MACON, GA. THE RENOVATION AREA WILL INCLUDE UPGRADES AND RECONFIGURATION TO ACCOMMODATE NEW PROGRAMMATIC NEEDS FOR THE FACILITY.

THE SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

- SELECTIVE DEMOLITION, INCLUDING REMOVAL OF AN EXISTING FIREWALL AND EXISTING DROP CEILINGS
- NEW PARTITIONS TO CREATE ADDITIONAL BATHROOMS AND OFFICE SPACES
- NEW MANUFACTURING AREAS EQUIPPED WITH WORKBENCHES
- NEW PLUMBING SYSTEMS FOR RESTROOMS AND WORK AREAS
- NEW LIGHTING LAYOUTS AND ELECTRICAL POWER DISTRIBUTION
- INSTALLATION OF A NEW CRANE SYSTEM

CODE & ZONING SUMMARY

JURISDICTION

MACON-BIBB COUNTY, GEORGIA

APPLICABLE CODES

BUILDING:	INTERNATIONAL BUILDING CODE, 2018 EDITION WITH GA AMENDMENTS (2020)(2022)(2024)(2025)
EXIST. BUILDING: (PERMISSIVE)	INTERNATIONAL EXISTING BUILDING CODE, 2018 EDITION WITH GA AMENDMENTS (2021)
LIFE SAFETY:	NFPA 101 LIFE SAFETY CODE (LSC), 2024 EDITION WITH 2020 GEORGIA STATE FIRE COMMISSIONER MODIFICATIONS 120-3-3.04(72)
FIRE:	INTERNATIONAL FIRE CODE, 2018 EDITION WITH 2020 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.04(3)
MECHANICAL:	INTERNATIONAL MECHANICAL CODE, 2018 EDITION WITH GA AMENDMENTS (2020)(2024)
PLUMBING:	INTERNATIONAL PLUMBING CODE, 2018 EDITION WITH GA AMENDMENTS (2020)(2022)(2023)(2024)
FUEL GAS:	INTERNATIONAL FUEL GAS CODE, 2018 EDITION WITH GA AMENDMENTS (2020)(2022)
ELECTRICAL:	NATIONAL ELECTRIC CODE, 2023 EDITION (NO GA AMENDMENTS)
ENERGY:	INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION WITH GA AMENDMENTS (2020)(2022)(2023)
ACCESSIBILITY:	GEORGIA ACCESSIBILITY CODE 120-3-20 (.01-.08) WITH 2020 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.08 THROUGH 11 / 2010 DEPARTMENT OF JUSTICE ADA STANDARDS FOR ACCESSIBLE DESIGN ("2010 ADA")
OTHER:	CURRENT EDITION OF NFPA CODES AND STANDARDS AS ADOPTED AND MODIFIED BY THE STATE FIRE MARSHAL

BUILDING DATA

OCCUPANCY CLASSIFICATION
NFPA 101 LSC CHAPTER 40 - INDUSTRIAL OCCUPANCIES
NFPA 101 LSC CHAPTER 39 - EXISTING BUSINESS OCCUPANCY

SUPPLEMENTARY (PER IBC CHAPTER 3):
F-1 - MODERATE-HAZARD FACTORY INDUSTRIAL (PRIMARY)
B - BUSINESS

DESCRIPTION: RENOVATION OF EXISTING BUILDING

EXISTING BUILDING INFORMATION
SPRINKLERS YES

STANDPIPES (IBC 905, LSC 9.7.4.2) NO

HIGH RISE (IBC 403) NO

MEZZANINE (IBC 505) YES

FIRE ALARM (IBC 907, LSC 9.6) YES

CONSTRUCTION TYPE:
II-B, (IBS TABLE 602.5)
TYPE II(000)(LSC TABLE 8.2.1)

BUILDING HEIGHT:
ALLOWED: 75' (IBC TABLE 504.3)
EXISTING: 24'-0"±

NUMBER OF STORIES:
ALLOWED: 3 (IBC TABLE 504.4)
EXISTING: 1

CONSTRUCTION AREA / TENANT AREA:
27,142 SF

ZONING CLASSIFICATION
M-2 (HEAVY INDUSTRIAL)

CLIMATE ZONE
CLIMATE ZONE 3A

TOTAL OCCUPANCY LOAD (NFPA 101 LSC TABLE 7.3.1.2)
720

REFER TO CALCULATION ON LIFE SAFETY PLAN, SHEET A0.1

DEFERRED SUBMITTALS

THE FOLLOWING ITEMS WILL BE SUBMITTED AS DEFERRED SUBMITTALS BY THE APPROPRIATE INSTALLING SUBCONTRACTOR OR VENDOR. SUBCONTRACTOR OR VENDOR SHALL BE RESPONSIBLE FOR DETERMINING SUBMITTAL REQUIREMENTS AND PAYMENT OF ALL FEES FOR SUBMITTALS.

1. FIRE SPRINKLER
2. FIRE ALARM

GENERAL NOTES

A. FIELD VERIFY ALL DIMENSIONS. DO NOT SCALE FROM DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

B. ALL PENETRATIONS THROUGH PERIMETER FIRE AND SMOKE BARRIERS SHALL BE SEALED AND PROTECTED PER NFPA 101-8.3.6.

C. CONTRACTOR SHALL COMPLY WITH NFPA 241 & IFC 2024 CHAPTER 14.

D. PROTECT EXISTING FLOOR AND WALL FINISHES TO REMAIN AND PATCH/REPAIR ANY DAMAGE AFTER DEMOLITION

E. SUITE NUMBER SHALL BE DISPLAYED ON ALL EXTERIOR DOORS, INCLUDING REAR DOORS, OF THE TENANT SPACE. THE NUMBERS SHALL BE A MINIMUM OF 4" IN HEIGHT ON A CONTRASTING COLOR IN BACKGROUND.

F. EMERGENCY LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 101 LSC 2024 CHAP. 7 SECT. 7.9.

G. EXIT LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF NFPA NFPA 101 LSC 2024 CHAP. 7 SECT. 7.10.

H. EXIT LIGHTING AND EMERGENCY LIGHTING WILL BE EVALUATED FOR LOCATION AND REQUIRED LIGHTING INTENSITY AT FINAL INSPECTION BY AUTHORITY HAVING JURISDICTION.

J. PENETRATIONS INTO OR THROUGH EITHER VERTICAL OR HORIZONTAL FIRE RATED BARRIERS SHALL BE PROTECTED BY A SYSTEM LISTED BY A RECOGNIZED TESTING AGENCY. NO PENETRATIONS THROUGH FIRE RATED BARRIERS SHOULD BE PART OF THIS PROJECT, HOWEVER, ALERT ARCHITECT IF IT IS NECESSARY AND AWAIT UL-LISTED DETAIL.

K. CIRCUITS FOR EXIT AND/OR EMERGENCY LIGHTING SHALL BE CONNECTED TO THE LIGHTING CIRCUIT FOR THE AREA THEY SERVE. DEDICATED CIRCUITS ARE NOT PERMITTED. THEY SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 101 LSC 2024 CHAP. 7 SECTION 7.9.2.2 AND SECT. 7.10.4 AND NFPA 70 NEC 2017 CHAP. 700 SECT. 700.17.

L. FIRE EXTINGUISHERS SHALL BE PROVIDED PER THE REQUIREMENTS OF THE OCCUPANCY CHAPTER FOR THIS PROJECT. NFPA 101 LSC 2018 AS AMENDED BY OCGA TITLE 25 120-3-3 FIRE EXTINGUISHERS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE GEORGIA ACCESSIBILITY CODE 2010 120-3-20A CHAP. 3 SECT. 308. FIRE EXTINGUISHERS WILL BE EVALUATED FOR LOCATION AND SIZE AT FINAL INSPECTION.

M. FIRE EXTINGUISHERS SHALL DISPLAY A SERVICE TAG INSTALLED BY A TECHNICIAN CERTIFIED BY THE STATE OF GEORGIA, OCGA TITLE 25. FIRE MARSHAL'S RULES AND REGULATIONS.

N. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED AS FOLLOWS AND SHALL BE RESTRICTED FOR USE BY THE FOLLOWING TABLE AS DEFINED IN NFPA 101 LSC 2018 10.2.3.3:

CLASS	FLAME SPREAD	SMOKE DEVELOPMENT
A	0 - 25	0 - 450
B	26 - 75	0 - 450
C	76 - 200	0 - 450

REQUIRED WALL AND CEILING FINISHES PER PROJECT USE GROUPS ARE AS FOLLOWS (REFERENCE NFPA 101 LSC 10.2). CONTRACTOR TO VERIFY EXISTING AND UPGRADE TO THE FOLLOWING IF NECESSARY:

USE GROUP	FINISH CLASSIFICATION	CORRIDORS	EXIT
F-1	EXIT ENCLOSURES	C	C
B	B	C	C

DRAWING LIST

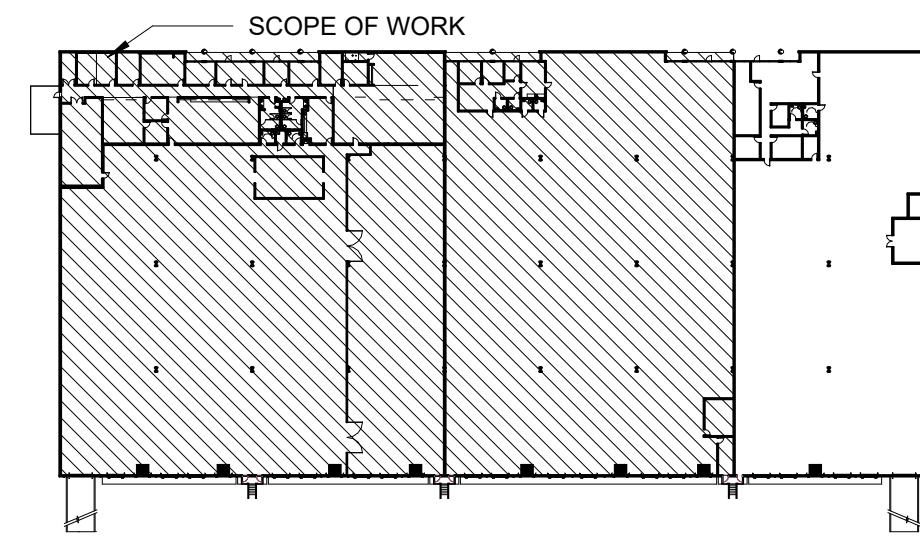
Sheet Number	Sheet Name
GENERAL	
A0.0	COVER SHEET
A0.2	PARTITION TYPES + ADA DETAILS
ARCHITECTURAL	
A0.1	LIFE SAFETY PLAN
A2.0	AS-BUILT LEVEL 1 FLOOR PLAN
A2.1	AS-BUILT REFLECTED CEILING PLAN
A2.2	DEMOLITION PLAN
A2.3	ARCHITECTURAL LEVEL 1 FLOOR PLAN
A2.4	ENLARGED ARCHITECTURAL LEVEL 1 FLOOR PLAN
A2.5	ENLARGED ARCHITECTURAL DIMENSIONED PLAN
A2.6	REFLECTED CEILING PLAN
A2.7	CONSTRUCTION COORDINATION
A2.8	FURNITURE + EQUIPMENT LAYOUT PLAN
A2.9	FINISH PLAN
A3.0	ADDITIONAL DETAILS + SECTIONS
A4.0	DOOR AND WINDOW SCHEDULE + DETAILS
MECHANICAL	
M001	MECHANICAL SPECIFICATIONS
M002	MECHANICAL SCHEDULES
M003	MECHANICAL DETAILS
M100	OVERALL MECHANICAL PLAN - EXISTING
M101	ENLARGED MECHANICAL PLAN - EXISTING
M102	ENLARGED MECHANICAL PLAN - EXISTING
M200	OVERALL MECHANICAL PLAN - NEW WORK
M201	ENLARGED MECHANICAL PLAN - NEW WORK
M202	ENLARGED MECHANICAL - NEW WORK
PLUMBING	
P001	PLUMBING SPECIFICATIONS
P002	PLUMBING SCHEDULES
P100	OVERALL PLUMBING PLAN - EXISTING
P200	OVERALL PLUMBING PLAN - NEW WORK
P201	ENLARGED PLUMBING PLAN - NEW WORK
P202	ENLARGED PLUMBING PLAN - NEW WORK
P203	ENLARGED PLUMBING PLANS - NEW WORK
P204	ENLARGED PLUMBING PLANS - NEW WORK
ELECTRICAL	
E0.1	ELECTRICAL LEGEND, SCHEDULES, AND DETAILS
E2.0	FLOOR PLAN - ELECTRICAL DEMOLITION
E2.1	ELECTRICAL LIGHTING PLAN
E2.3	RISER DIAGRAM, SCHEDULES, AND DETAILS
E3.1	FLOOR PLAN - POWER AND SYSTEMS
E3.2	FLOOR PLAN - POWER AND SYSTEMS
E4.1	RISER DIAGRAM, SCHEDULES, AND DETAILS

ABBREVIATIONS

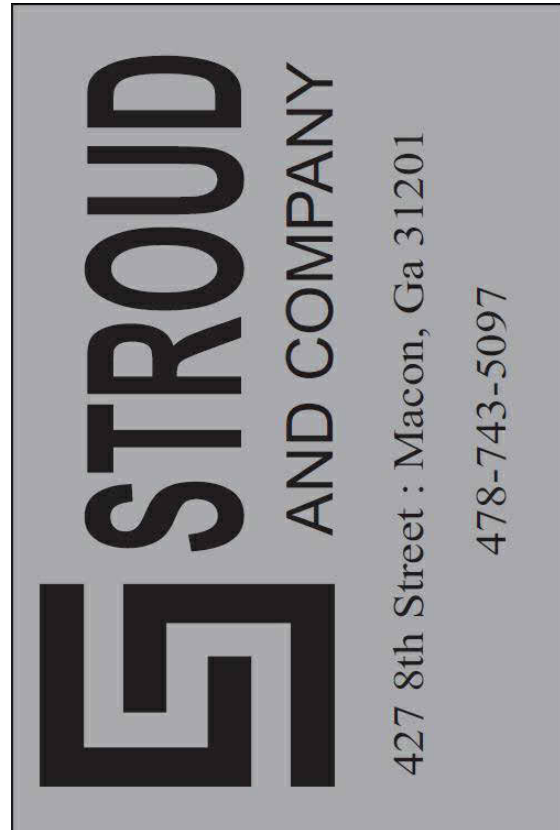
ACT	ACOUSTICAL CEILING TILE
A.F.F.	ABOVE FINISH FLOOR
B.O.J.	BOTTOM OF JOIST
B/W	BETWEEN
CLG	CEILING
CONC.	CONCRETE
DIA.	DIAMETER
DWG(S)	DRAWING, DRAWINGS
E	EXISTING
EA	EACH
EGSB	EXTERIOR GYPSUM SOFFIT BOARD, PAINTED
ELEC.	ELECTRICAL
E.P.	ELECTRICAL PANEL
EX. EXIST.	EXISTING
FAC	FACTORY
FE	WALL-MOUNTED FIRE EXTINGUISHER
F.O.	FACE OF
GA	GAUGE
GL	GLASS / GLAZING
GWB	GYPSUM WALL BOARD
HCWD	HOLLOW CORE WOOD DOOR
HT.	HEIGHT
I&W	IN ACCORDANCE WITH
JT.	JOINT
MANUF.	MANUFACTURER
MATL	MATERIAL
MECH.	MECHANICAL
MTL	METAL
N	NEW
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
OCC	OCCUPANT(S)
O.H.	OPPOSITE HAND
OFCI	OWNER-FURNISHED, CONTRACTOR-INSTALLED
O.T.S.	OPEN TO STRUCTURE
P.T.	PRESSURE-TREATED
PTD	PAINTED
QTY.	QUANTITY
R	RISER
RCP	REFLECTED CEILING PLAN
REQ'D	REQUIRED
SCWD	SOLID CORE WOOD DOOR
SF	SQUARE FEET
SHT.	SHEET
SIM.	SIMILAR
STD	STAINED
STL	STEEL
T	TREAD
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W/	WITH
WD	WOOD

KEY PLAN

SCALE: 1" = 160'



ISSUED FOR CONSTRUCTION



ALL Architecture, LLC

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CHEM AQUA - INTERIOR
RENOVATION
PROJECT ADDRESS:
580 JOE TAMPLIN INDUSTRIAL BLVD
MACON, GA 31217

STAMP:



DRAWN: JRM	CHECKED: JCA
APPROVED: JCA	ISSUE DATE: 10/21/25

REVISIONS:	ISSUE	Date
No.		

SHEET NAME:

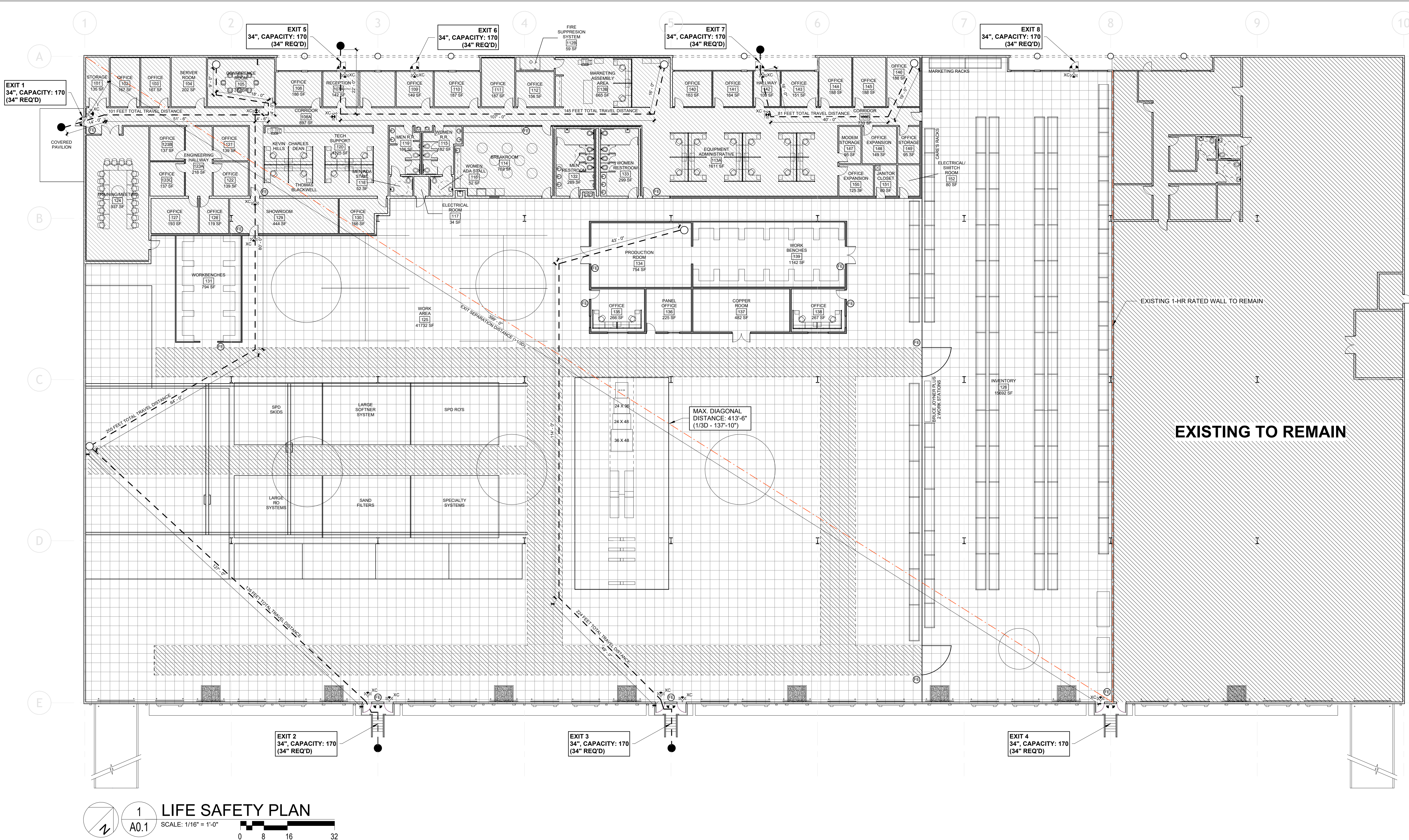
COVER
SHEET

PROJECT NUMBER: 25047
SHEET NUMBER:

A0.0



REVISIONS:	No.	ISSUE	Date



PLUMBING FIXTURE CALCULATIONS

BUSINESS

WC: MALES & FEMALES: 1 PER 25 FOR FIRST 50
LAV: MALES & FEMALES: 1 PER 40 FOR FIRST 80

WC REQUIRED / PROVIDED:

MALE: 2 / 3
FEMALE: 2 / 4
UNISEX: 0 / 1

LAV REQUIRED / PROVIDED:

MALE: 2 / 3
FEMALE: 2 / 3
UNISEX: 0 / 1

DRINKING FOUNTAIN REQUIRED / PROVIDED:

1 / 1 BI-LEVEL DRINKING FOUNTAIN

INDUSTRIAL

WC: MALES & FEMALES: 1 PER 100 FOR FIRST 50
LAV: MALES & FEMALES: 1 PER 100 FOR FIRST 80

WC REQUIRED / PROVIDED:

MALE: 4 / 4
FEMALE: 4 / 4
UNISEX: 0 / 1

LAV REQUIRED / PROVIDED:

MALE: 4 / 4
FEMALE: 4 / 4
UNISEX: 0 / 1

DRINKING FOUNTAIN REQUIRED / PROVIDED:

1 / 1 BI-LEVEL DRINKING FOUNTAIN

OCCUPANT LOAD (LSC TABLE 7.3.1.2)

LEGEND	AREA (SF)	SF/OCC	OCC. LOAD
OCCUPANCY: BUSINESS (B)	14,860 SF	150 SF	99
OCCUPANCY: INDUSTRIAL (F-1)	62,073 SF	100 SF	621
TOTAL OCCUPANTS			720

EGRESS WIDTH

REQUIRED: 720 X .2"= 144", PROVIDED: 34" X 8 = 272"

MEANS OF EGRESS NOTES

MEANS OF EGRESS
INDUSTRIAL OCCUPANCY, SPRINKLERED BUILDING

OF EXITS REQ'D / PROVIDED: 2/8
EXIT SEPARATION DISTANCE: 1/3 DIAGONAL
DEAD END CORRIDOR: 20 FT
COMMON PATH OF TRAVEL: 20 FT OR
MAX. TRAVEL DIST. TO EXIT: 75 FT FOR <50 OCC
250 FT.

NFPA 101 7.4.1
NFPA 101 7.5.1.3.3
NFPA 101 13.2.5.1.3
NFPA 101 13.2.6.2(1)

SYMBOL LEGEND

- POINT OF ORIGIN
- POINT OF SAFETY
- PATH OF TRAVEL
- WALL-MOUNTED FIRE EXTINGUISHER, LOCATED IAW 75' MAX. TRAVEL DIST. RULE, NFPA 10 TABLE 6.2.1.1 10 LB. ABC
- WALL-MOUNTED COMBO EXIT SIGN
- EMERGENCY LIGHTING UNIT
- REMOTE LAMP HEAD

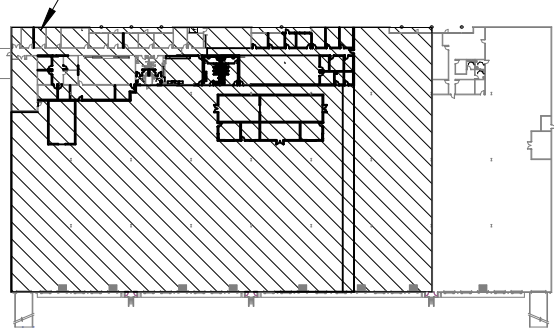
GENERAL NOTES

- COORDINATE PLACEMENT OF EXIT SIGNS AND EMERGENCY FIXTURES W/ ELECTRICAL DRAWINGS

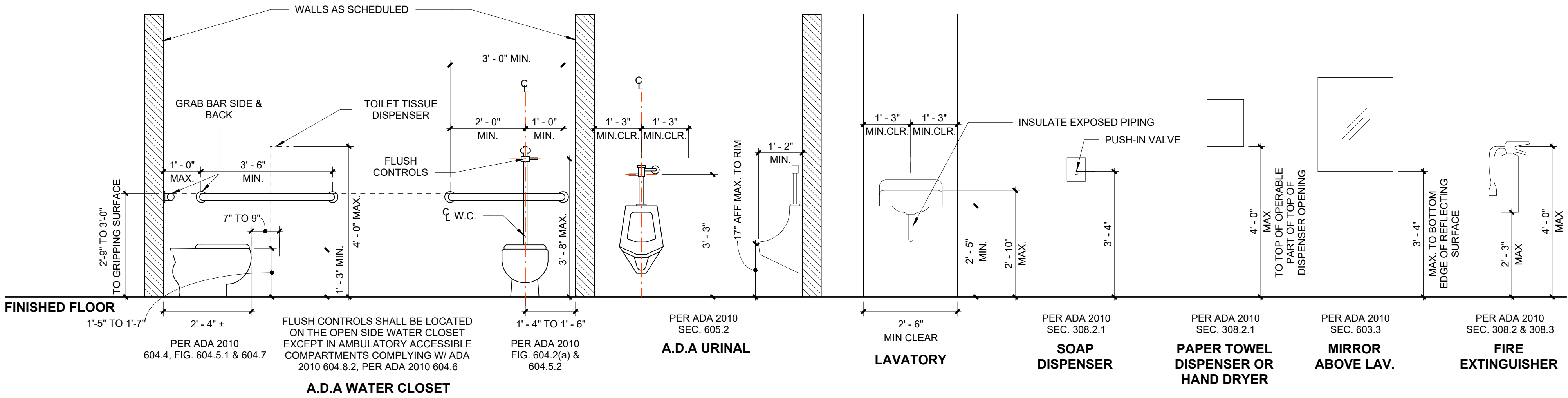
KEY PLAN

SCALE: 1" = 160'

SCOPE OF WORK



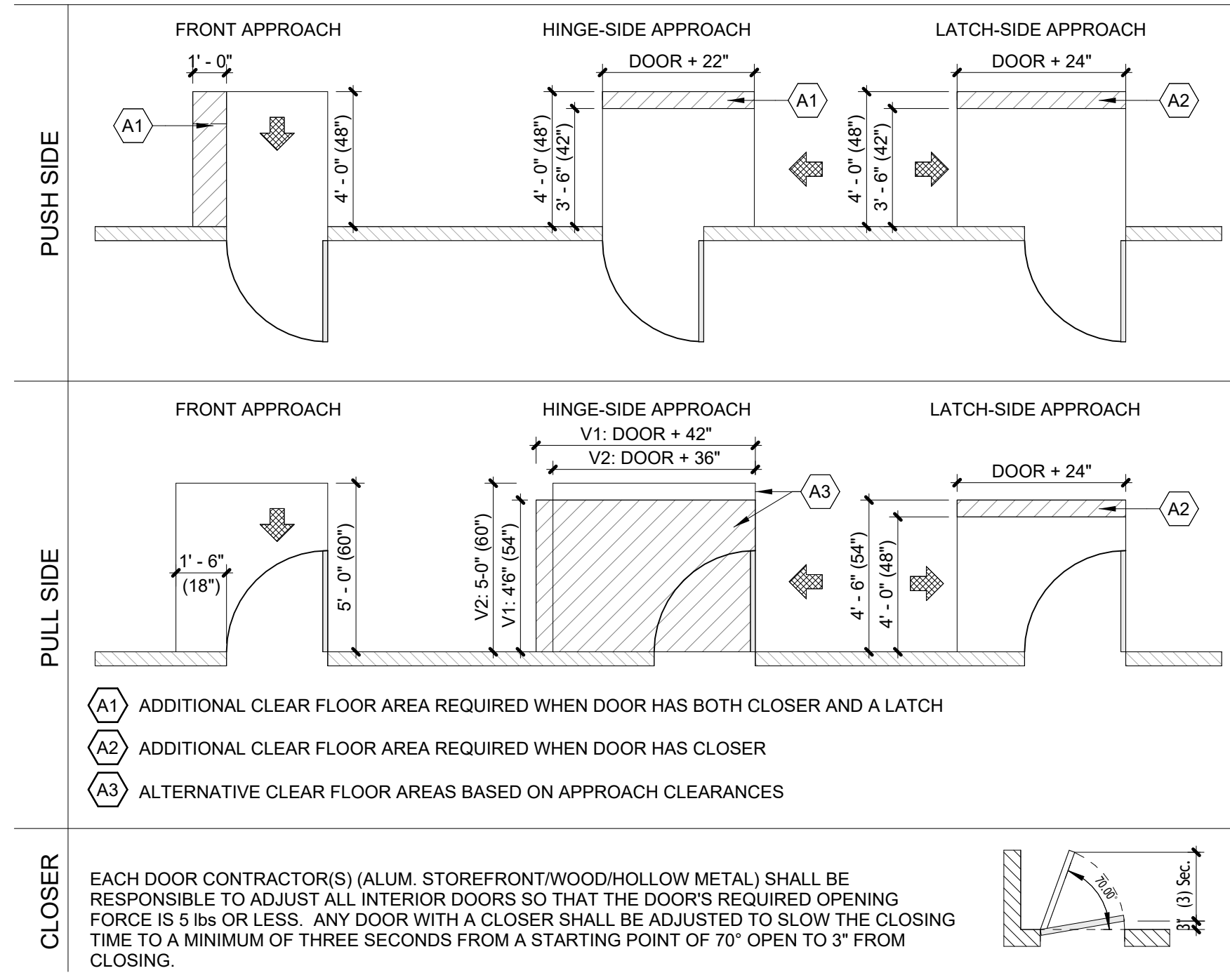
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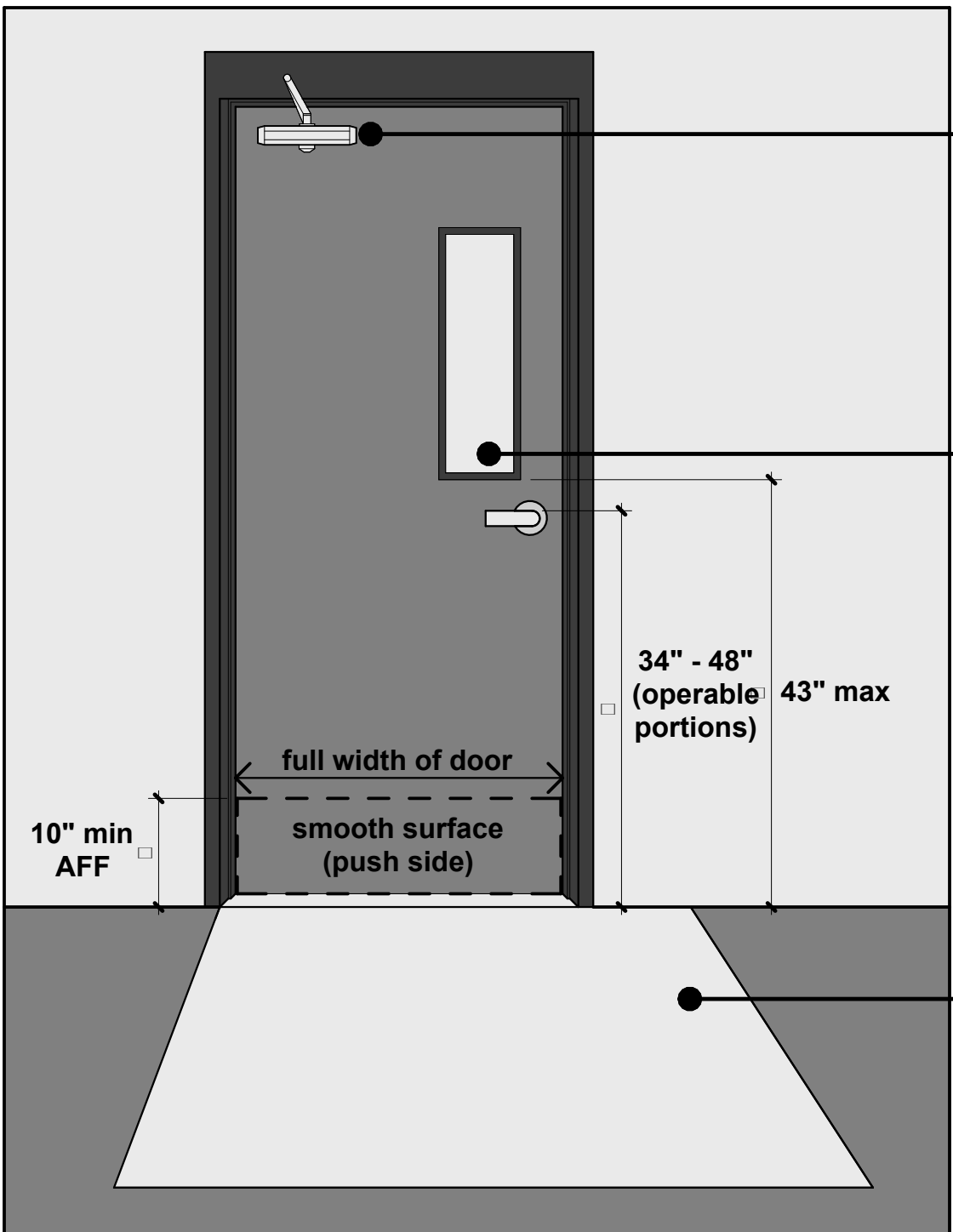
MOUNTING HEIGHTS FOR FIXTURES & ACCESSORIES

NOTE: NOT ALL ELEMENTS MAY BE PART OF THIS PROJECT - SEE PLANS

DOOR ACCESSIBILITY REQUIREMENTS



DOOR ACCESSIBILITY DETAILS



DOOR ACCESSIBILITY DETAIL ELEVATION

Closing Speed (§404.2.8)

Closers: 5 sec. min. from 90° to 12° (spring hinges: 1.5 sec. min. from 70° to 0°)

Closing Force (§404.2.9)

5lbf max. (excluding exterior hinged doors and fire doors)

Vision/Side Lights (if provided) (§404.2.11)

Accessible viewing height 43" max. Unless not intended for viewing (i.e., lowest part above 66")

Hardware (§404.2.7)

Operable parts must comply

Smooth Surface (§404.2.10)

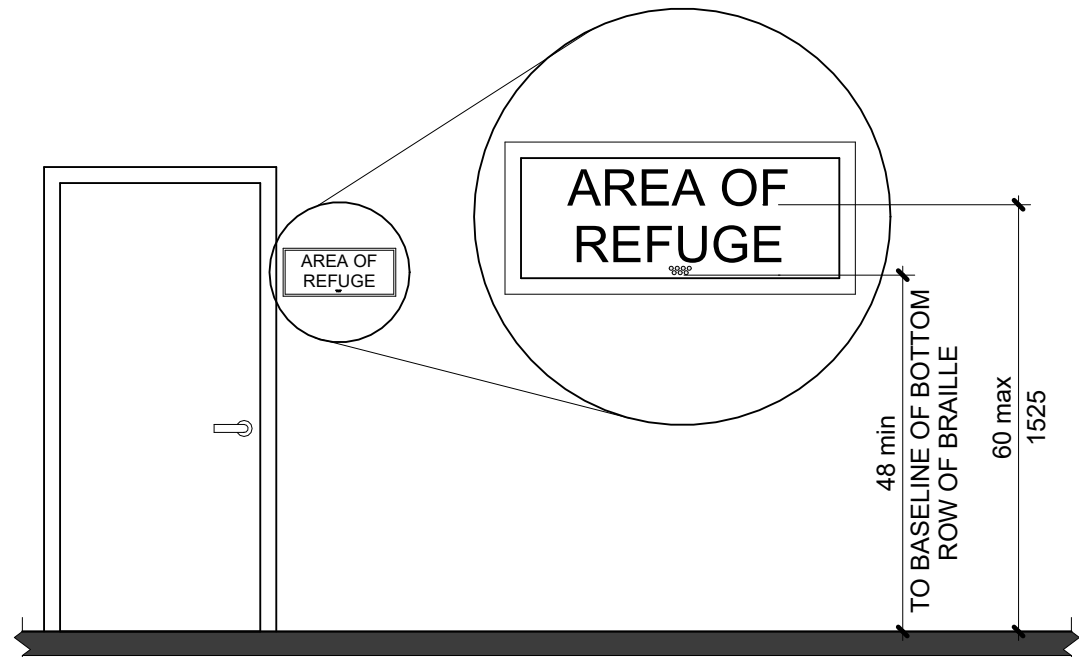
Required at the bottom on the push side

Thresholds (§404.2.5)

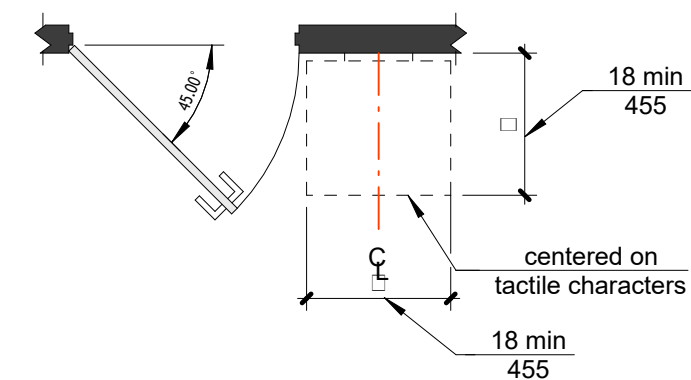
1/2" max. high (beveled if above 1/4")

Maneuvering Clearance (§404.2.4)

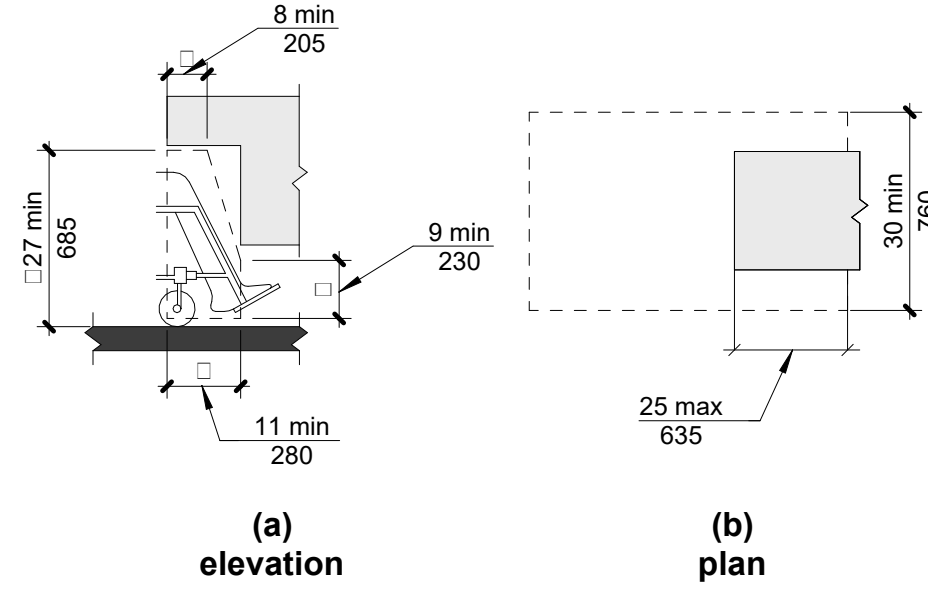
REQUIRED ON BOTH SIDE (UNLESS DOOR OR GATE IS USED IN ONE DIRECTION ONLY)



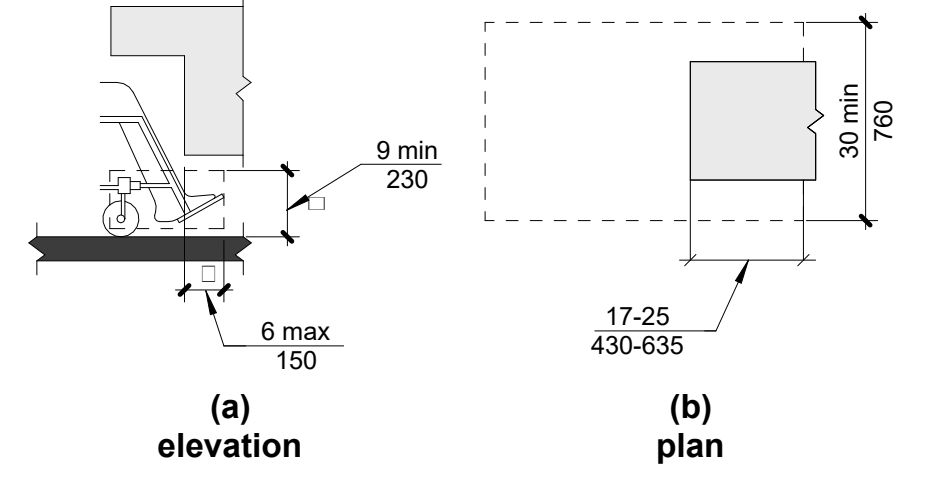
HEIGHT OF TACTILE CHARACTERS ABOVE FINISH FLOOR OR GROUND



LOCATION OF TACTILE SIGNS AT DOORS



KNEE CLEARANCE ADA 2010 FIG. 306.3

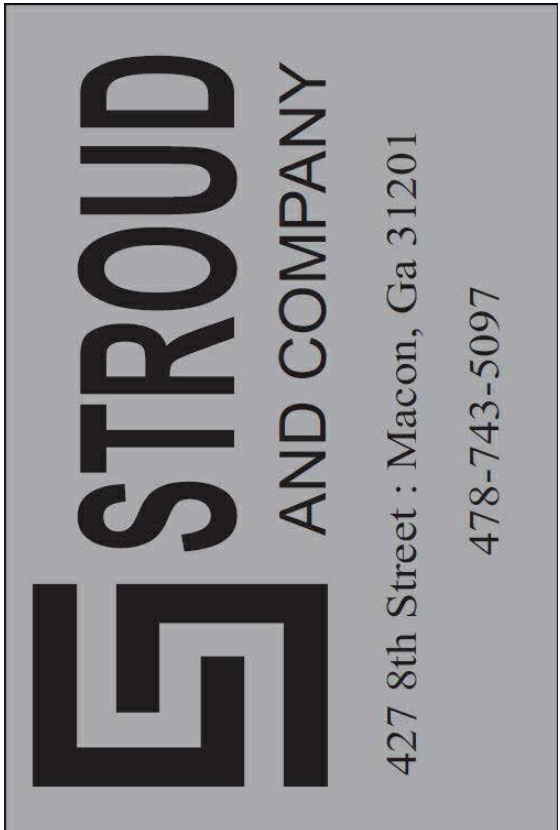
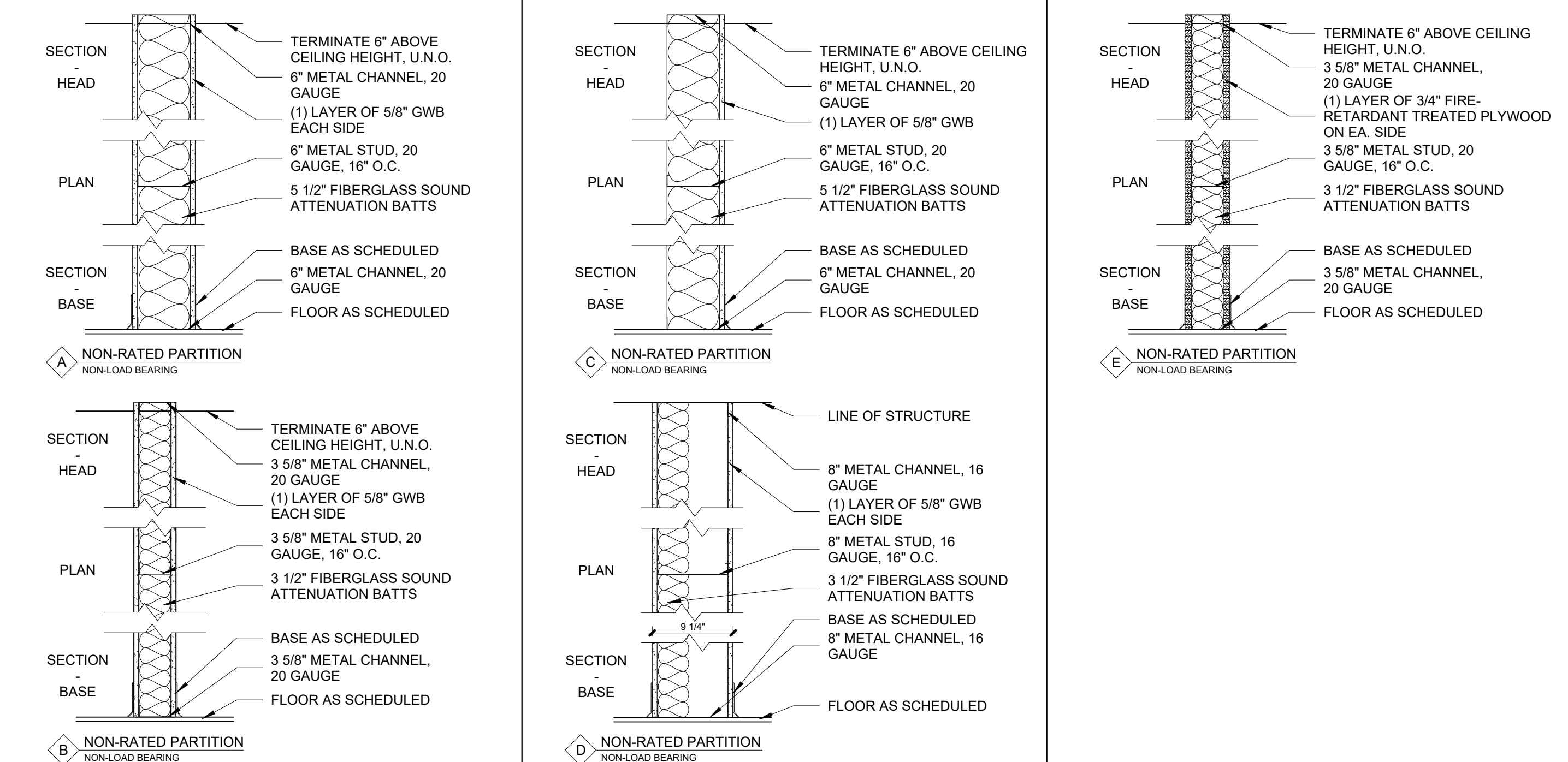


TOE CLEARANCE ADA 2010 FIG. 306.2

PARTITION NOTES

- A. EXISTING WALLS MAY NEED REPAIR OR SUPPLEMENTAL FRAMING TO MEET DESIGNATED PARTITION TYPE CRITERIA. CONTRACTOR TO SURVEY EXISTING CONDITIONS PRIOR TO PROCEEDING.
- B. PARTITIONS EXTEND UP TO UNDERSIDE OF FLOOR SYSTEM OR STRUCTURE ABOVE U.N.O.
- C. ALL STUD CAVITIES ARE TO BE FILLED WITH BATT INSULATION. WRAP ALL OUTLET/SWITCH BOXES AND OTHER WALL PENETRATIONS IN MINERAL WOOL FOR SOUND PURPOSES.
- D. NEW PARTITIONS ARE SHOWN HATCHED ON PLANS. COMBINE STUD AND FURRING SIZES TO ATTAIN THICKNESSES OF PARTITION DIMENSIONED ON PLAN.
- E. SEE ELEVATIONS, SECTIONS AND OTHER DRAWINGS FOR FEATURES, EXCEPTIONS AND DEVIATIONS FROM PARTITION TYPE DESIGNATIONS.
- F. SEAL PARTITIONS TIGHT TO ADJACENT SURFACES TO DISALLOW AIR INFILTRATION TO OR FROM ROOM. PLUG OR SEAL GAPS.
- G. FASTENING OF GWB TO COMPLY WITH GYPSUM BOARD MANUFACTURERS INSTALLATION INSTRUCTIONS.
- H. PROVIDE MOISTURE RESISTANT GWB IN ALL WET AREAS
- J. VERIFY INFILL CONDITIONS & PROVIDE SOLID ATTACHMENT OF NEW PARTITION SEGMENT TO EXISTING.
- K. PROVIDE CEMENTITIOUS BACKER BOARD BEHIND TILE.
- L. PROVIDE BLOCKING BEHIND WALL FINISH AT ACCESSORIES AND WHERE TRIM AND OTHER FINISHES ARE SHOWN.

PARTITION TYPES



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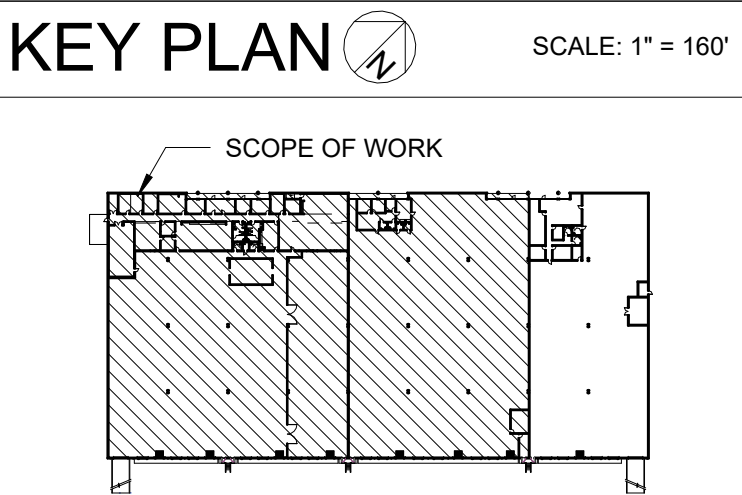
REVISIONS:	No.	ISSUE	Date

SHEET NAME:

PARTITION TYPES + ADA DETAILS

PROJECT NUMBER: 25047
SHEET NUMBER:

A0.2



STROUD

AND COMPANY

427 8th Street : Macon, Ga 31201
478-743-5097

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SHEET NAME:

AS-BUILT
LEVEL 1
FLOOR PLAN

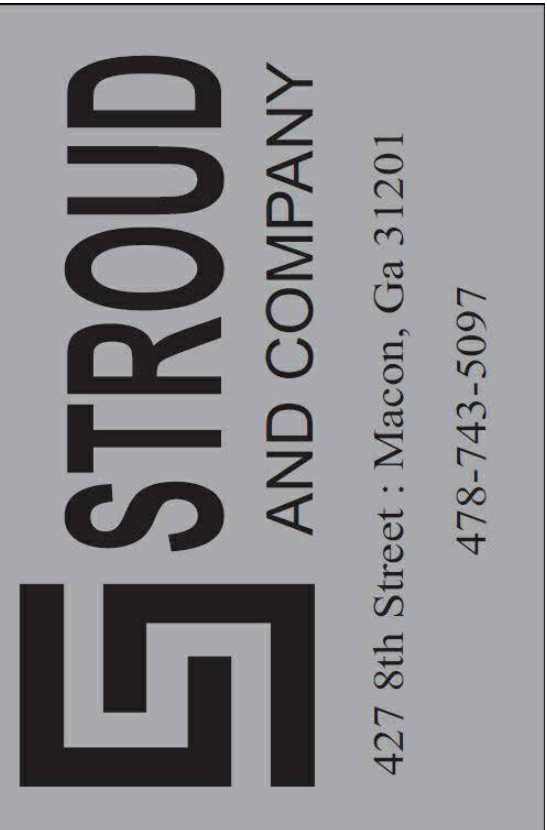
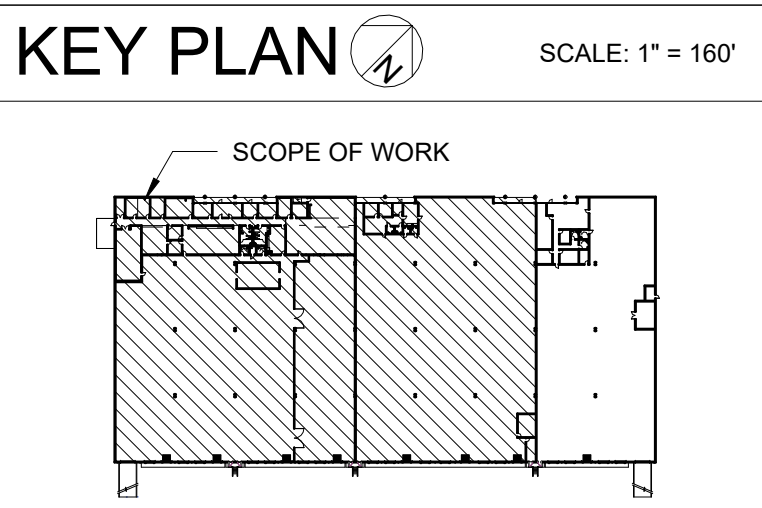
PROJECT NUMBER: 25047
SHEET NUMBER:

A2.0

PLOT DATE: 10/22/2025 7:54:54 AM



1 AS-BUILT REFLECTED CEILING PLAN
SCALE: 1/16" = 1'-0"
0 8 16 32



ALL Architecture, LLC

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PROJECT NAME:
**CHEM AQUA - INTERIOR
RENOVATION**

PROJECT ADDRESS:
580 JOE TAMPIN INDUSTRIAL BLVD
MACON, GA 31217

STAMP:



DRAWN: JRM	CHECKED: JCA
APPROVED: JCA	ISSUE DATE: 10/21/25

REVISIONS:		
No.	ISSUE	Date

SHEET NAME:

**AS-BUILT
REFLECTED
CEILING
PLAN**

PROJECT NUMBER: 25047

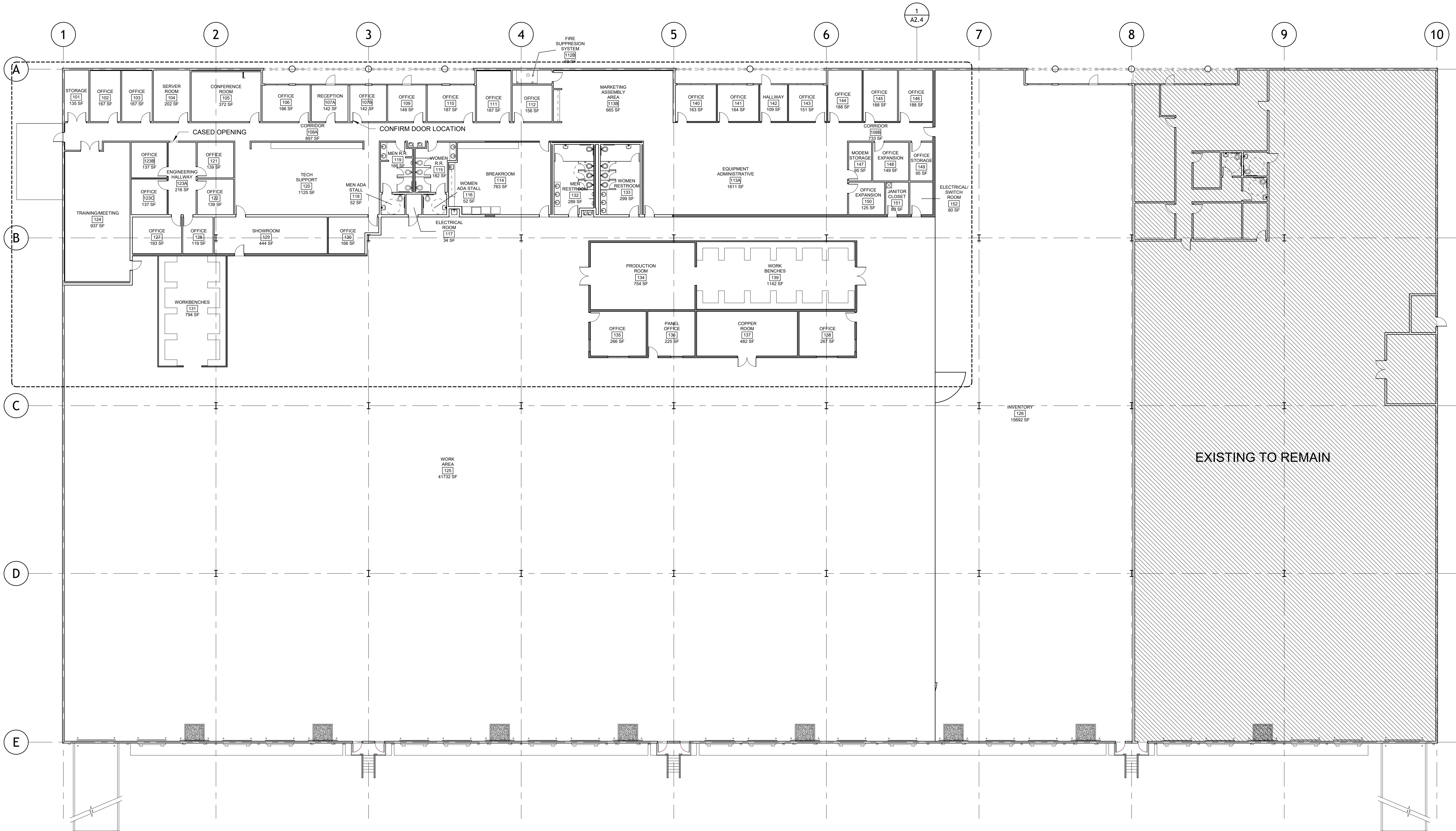
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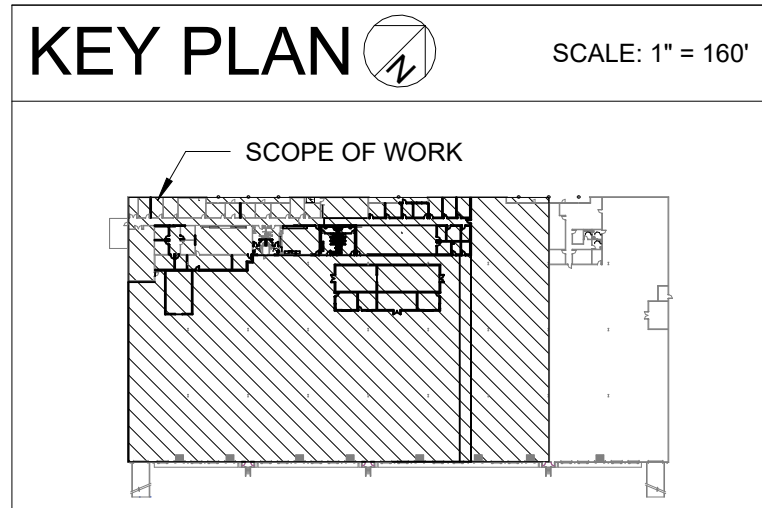
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PLOT DATE: 10/22/2025 7:54:56 AM



1
A2.3
ARCHITECTURAL LEVEL 1 FLOOR PLAN
SCALE: 1/16" = 1'-0"
0 8 16 32

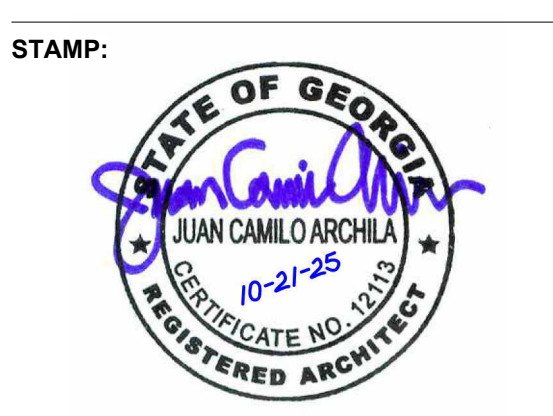


ALL Architecture, LLC

2052 CHRYSLER DRIVE NE
ATLANTA, GA 30345
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E-MAIL: INFO@ALLARCHLLC.COM

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PROJECT NAME:
**CHEM AQUA - INTERIOR
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MACON, GA 31217



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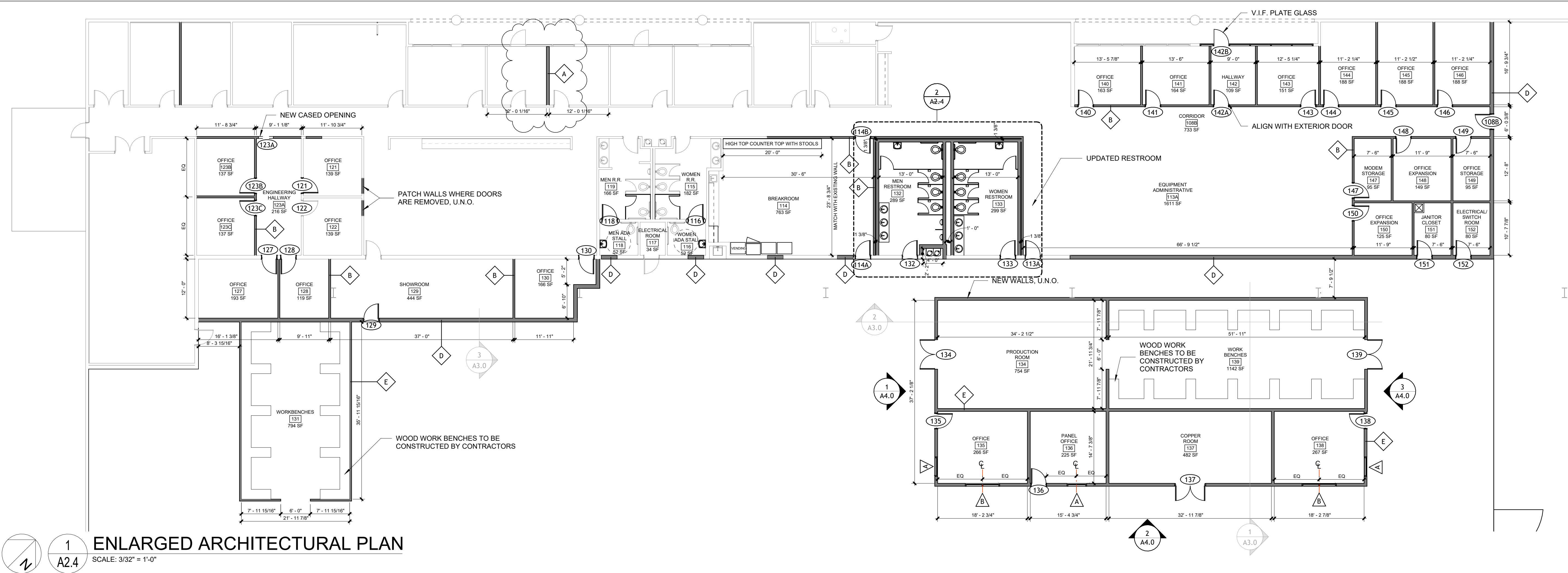
SHEET NAME:
**ARCHITECTURAL
LEVEL 1
FLOOR PLAN**

PROJECT NUMBER: 25047
SHEET NUMBER:

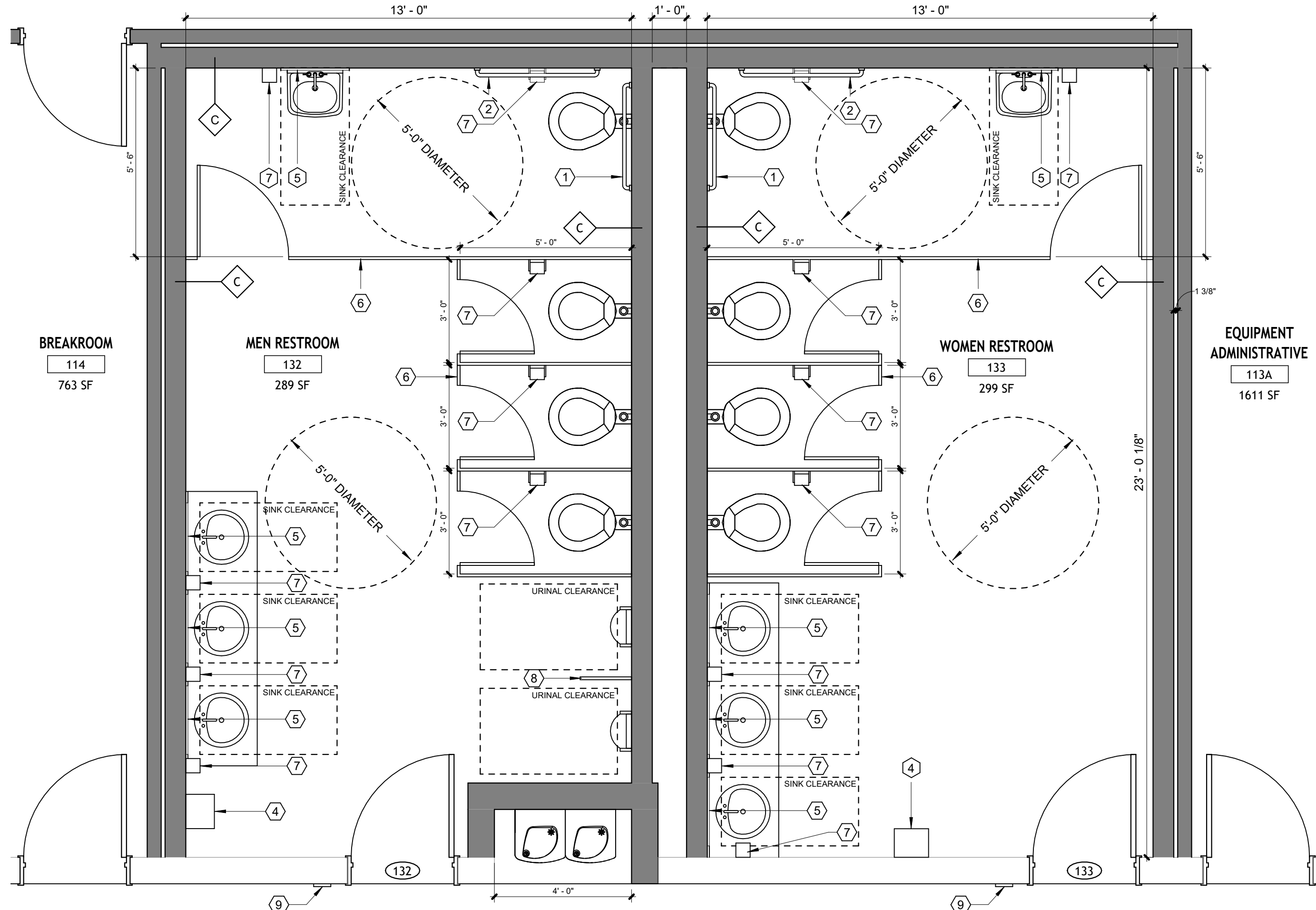
A2.3

ISSUED FOR CONSTRUCTION

PLOT DATE: 10/22/2025 7:54:57 AM



1
A2.4
ENLARGED ARCHITECTURAL PLAN
SCALE: 3/32" = 1'-0"



2
A2.4
N.C. - RESTROOM
SCALE: 3/8" = 1'-0"

BATHROOM ACCESSORY LEGEND

TAG	TYPE / LOCATION / USAGE	BOBRICK MODEL #	PRODUCT LINE
1	36" GRAB BAR	B-6806 X 36	STRAIGHT GRAB BAR
2	42" GRAB BAR	B-6806 X 42	STRAIGHT GRAB BAR
3	SOAP DISPENSER - WALL MOUNTED	B-4063	SOAP DISPENSER
4	PAPER TOWEL & WASTE RECEPTACLE RECESSED	B-4063	SOAP DISPENSER
5	STAINLESS STEEL MIRROR	---	---
6	TOILET PARTITIONS - HADRIAN - STANDARD SOLID PLASTIC. COLOR: 219 FROST GRANITE. PROVIDE CONTINUOUS LENGTH U-CHANNELS, TYP. - ALL DOORS SHALL HAVE 3 HINGES	---	TOILET PARTITION
7	TOILET PAPER DISPENSER	B-6857	TOILET DISPENSER
8	URNAL PARTITIONS - HADRIAN - STANDARD SOLID PLASTIC. COLOR: 219 FROST GRANITE. PROVIDE CONTINUOUS LENGTH U-CHANNELS, TYP. - ALL DOORS SHALL HAVE 3 HINGES	---	TOILET PARTITION
9	RAISED BRAILLE AND PICTORIAL SYMBOL RESTROOM SIGN PER ADAAG 2010 703.4.1, "MEN" OR "WOMEN" OR "RESTROOM" AT LOCATIONS SHOWN ON PLAN. MOUNT TOP OF SIGN AT 60" A.F.F. MEN: ULINE S-15597BL OR EQUAL WOMEN: ULINE S-15598BL OR EQUAL UNISEX: ULINE S-15599BL OR EQUAL	---	RESTROOM SIGN

- NOTES:**
- FLUSH CONTROLS SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS
 - REFER TO SHEET A0.2 FOR TYPICAL MOUNTING HEIGHTS
 - PROVIDE BLOCKING IN WALLS FOR GRAB BARS & ACCESSORIES, TYP.
 - U.N.O. ALL COMPONENTS BELOW REFER TO BOBRICK MODEL NUMBERS.

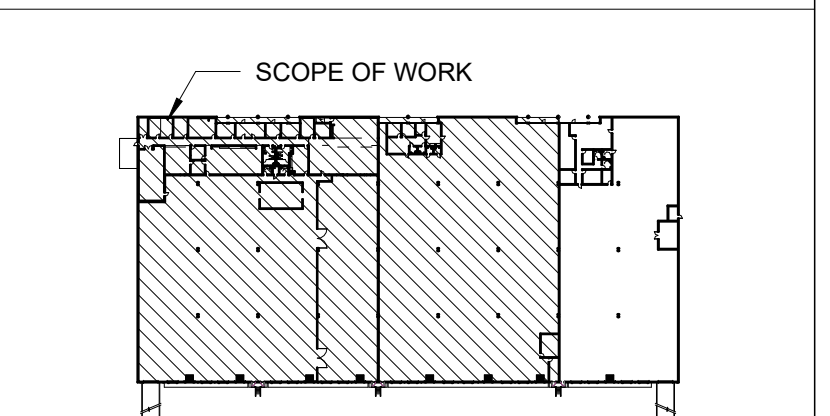
CONSTRUCTION NOTES

- ALL INTERIOR DIMENSIONS ARE TO FINISHED FACE, UNLESS OTHERWISE SHOWN.
- ALL WINDOW AND DOOR DIMENSIONS ARE TO OPENING OF WINDOW AND DOORS UNLESS OTHERWISE SHOWN.
- PROVIDE WATER RESISTANT WALLBOARD IN ALL BATHROOMS, INCLUDING CEILING. PROVIDE CEMENTITIOUS WALLBOARD WHERE TILE IS INDICATED. PROVIDE WATERPROOFING MEMBRANE UNDER ALL FLOOR TILE; TURN UP CONTINUOUS MEMBRANE 6" VERTICALLY AT ALL WALLS.
- DIRECT-VENT APPLIANCES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- BREAKS OR JOINTS IN THE AIR BARRIER SHALL BE SEALED
- PROVIDE PLYWOOD BLOCKING BEHIND ALL BATHROOM WALL MOUNTED ACCESSORIES. ENSURE TO CONSULT WITH CLIENT REGARDING ANY ADDITIONAL HARDWARE PRIOR TO GYPSUM BOARD BEING INSTALLED.

DIMENSION NOTES

- ALL INTERIOR FRAME WALLS ARE 3-5/8" METAL STUD U.N.O.
- WINDOW & DOOR OPENINGS ARE GENERALLY DIMENSIONED TO THE EDGE OF ROUGH OPENINGS FOR EXTERIOR CMU WALLS & TO CENTERLINE OF INTERIOR OPENINGS.
- EDGE OF DOOR IS LOCATED 4" OFF OF ADJACENT WALL EXCLUSIVE OF FRAME U.N.O. ALL OTHER DOOR OPENINGS ARE LOCATED TO ONE SIDE OF ROUGH OPENING, FRAME EXCLUSIVE.
- DO NOT SCALE DRAWINGS.

KEY PLAN



ISSUED FOR CONSTRUCTION



ALL Architecture, LLC

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PROJECT NAME:
CHEM AQUA - INTERIOR RENOVATION

PROJECT ADDRESS:
580 JOE TAMPAIN INDUSTRIAL BLVD
MACON, GA 31217

STAMP:



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ISSUE DATE: 10/21/25

REVISIONS:		DATE
No.	ISSUE	
1	INQUIRY	8/11

SHEET NAME:

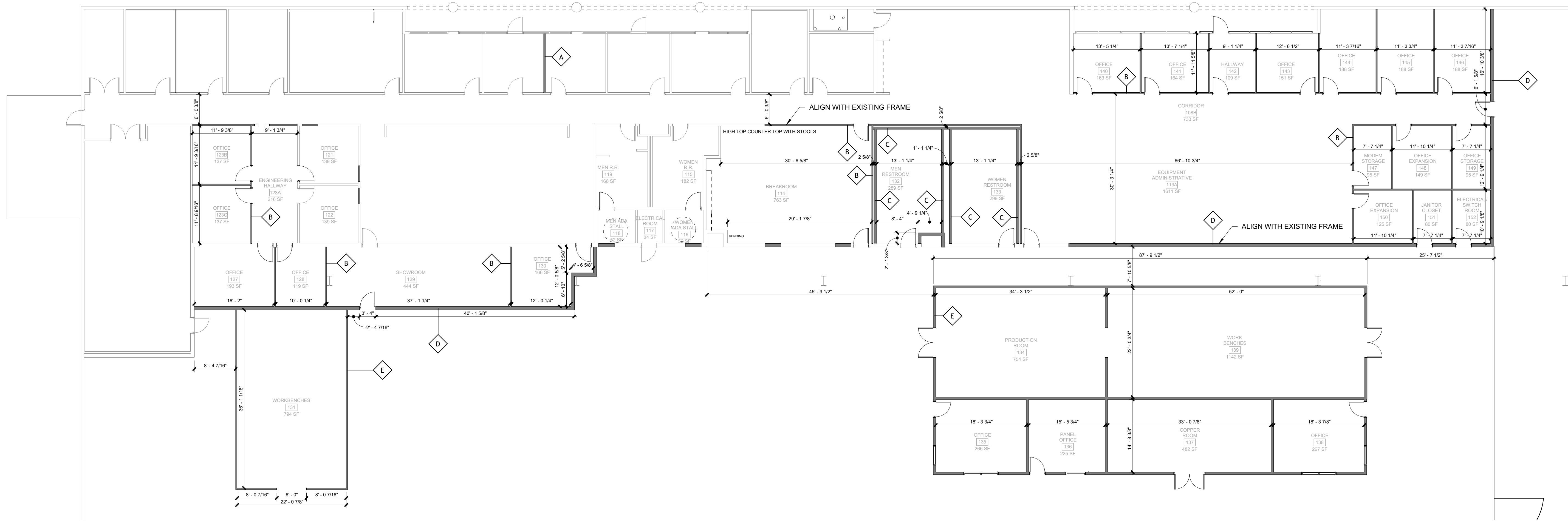
ENLARGED ARCHITECTURAL LEVEL 1 FLOOR PLAN

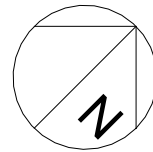
PROJECT NUMBER: 25047

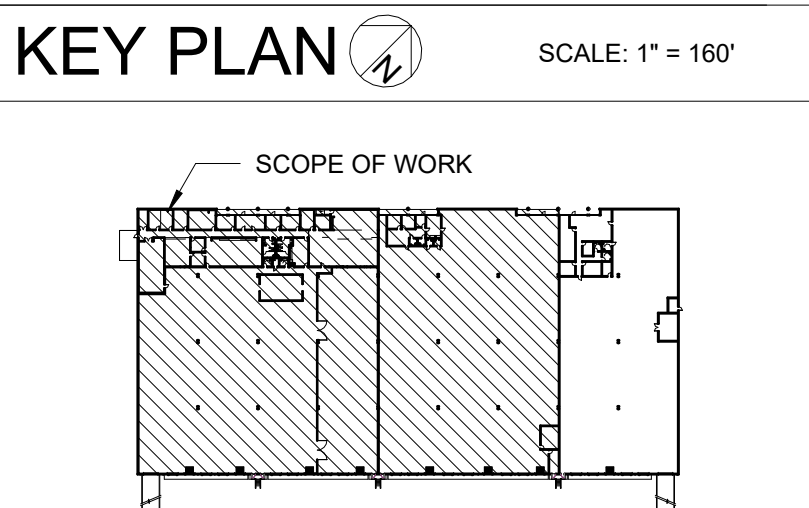
SHEET NUMBER:

A2.4

PLOT DATE: 10/22/2025 7:54:59 AM



 1 A2.5 ENLARGED ARCHITECTURAL DIMENSIONED PLAN
SCALE: 3/32" = 1'-0"





STROUD

AND COMPANY

427 8th Street : Macon, Ga 31201
478-743-5097

ALL Architecture, LLC
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MACON, GA 31217

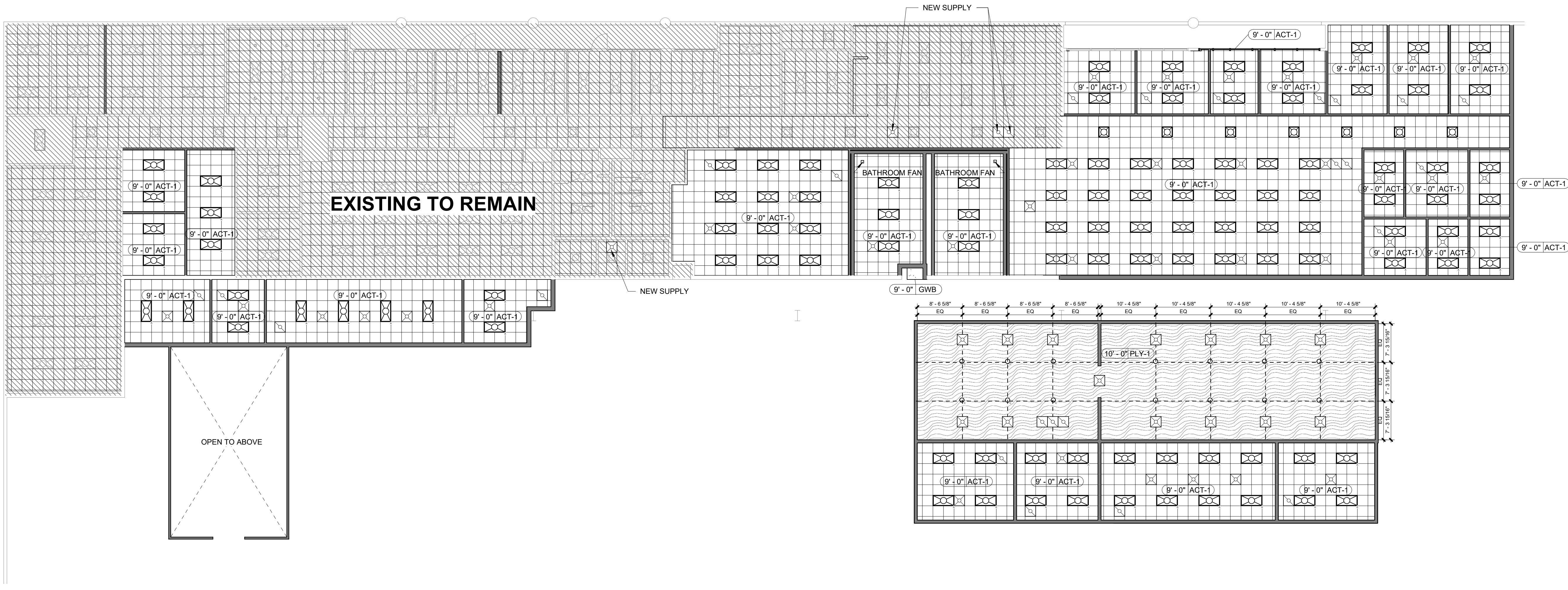
STAMP:



DRAWN: JRM	CHECKED: JCA
APPROVED: JCA	ISSUE DATE: 10/21/25

REVISIONS:		
No.	ISSUE	Date

SHEET NAME:
**ENLARGED
ARCHITECTURAL
DIMENSIONED
PLAN**
PROJECT NUMBER: 25047
SHEET NUMBER:
A2.5



1 LEVEL 1 REFLECTED CEILING PLAN
A2.6 SCALE: 3/32" = 1'-0"

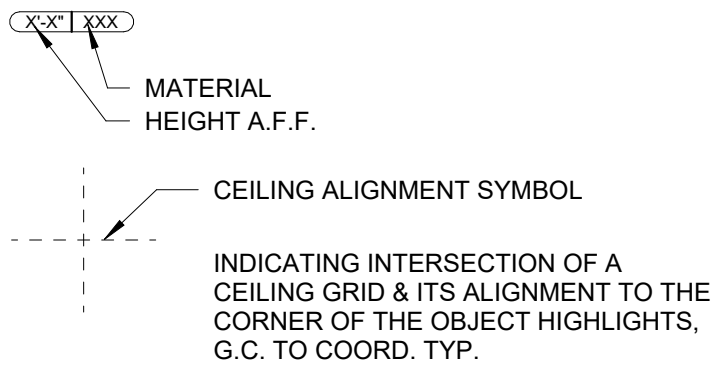
FIRE PROTECTION NOTES

- A. CONTRACTOR SHALL EVALUATE EXISTING SPRINKLER SYSTEM AND IF NECESSARY, MODIFY TO CONFORM TO NFPA 13 REQUIREMENTS. CONTRACTOR SHALL LOCATE HEADS AS REQUIRED TO MEET THE ARCHITECTURAL LAYOUT. ALL SPRINKLER HEADS AND PIPING SHALL BE IN ACCORDANCE W/ LOCAL CODES AND FIRE MARSHAL REQUIREMENTS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED TO THE FIRE MARSHAL FOR APPROVAL.
- B. ALL SPRINKLER WORK MUST BE PERFORMED BY A CONTRACTOR WITH A CURRENT STATE CERTIFICATION NUMBER.
- C. RELOCATION OF EXISTING HEADS REQUIRES DRAWINGS THAT IDENTIFY THE CURRENT AND PROPOSED LOCATIONS.
- D. SPRINKLER DESIGN DENSITY SHALL COMPLY WITH NFPA ORDINARY HAZARD (GROUP 1) REQUIREMENTS.

RCP LEGEND

ALL EXISTING ARE NEW UNLESS NOTED OTHERWISE
EX * EXISTING, R = RELOCATED

CEILING SYMBOLS / TAXES

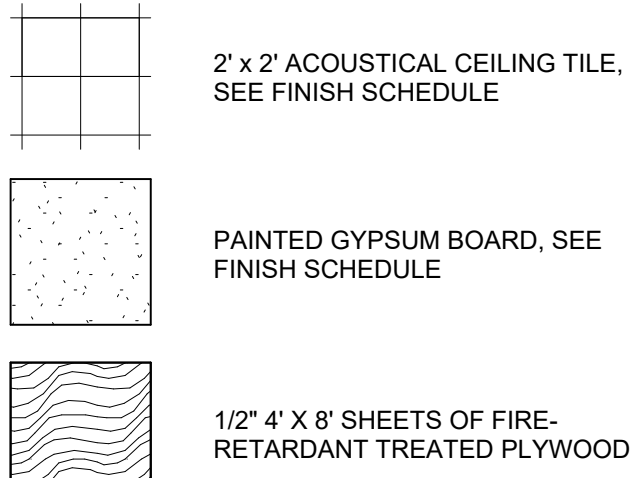


SEE FINISH PLAN FOR ADDITIONAL INFORMATION

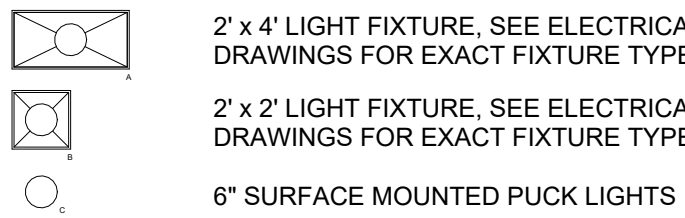
O.T.S. OPEN TO STRUCTURE - PAINTED
ELECTRICAL, SEE ELECTRICAL DRAWINGS FOR LIGHTING FIXTURE SCHEDULE

MOUNT LIGHTING AS HIGH AS POSSIBLE, BUT BELOW HVAC DUCTWORK - VERIFY IN FIELD

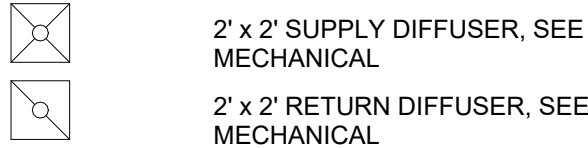
CEILING TYPES



ELECTRICAL FIXTURES



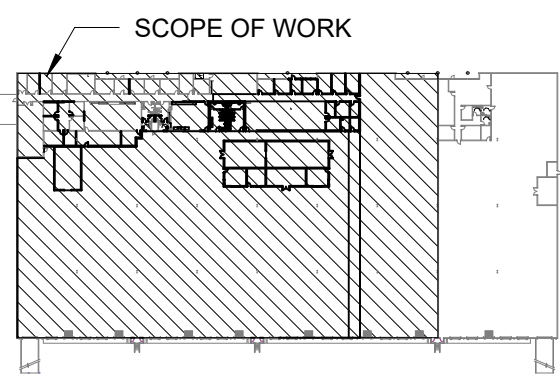
MECHANICAL



GENERAL REFLECTED CEILING PLAN NOTES

1. WHERE DISCREPANCIES OCCUR BETWEEN DISCIPLINES, CONTACT ARCHITECT TO DETERMINE THE PROPER CONFIGURATION, LAYOUT OR INTENT. FOR PRICING/BIDDING, THE MORE COSTLY LAYOUT CONFIGURATION SHALL BE PRICED.
2. REFER TO THE ARCHITECTURAL FLOOR PLANS AND PARTITION DRAWINGS FOR THE EXACT LOCATIONS AND TYPES OF WALLS OR PARTITIONS SHOWN ON THE CEILING PLANS. THE FLOOR PLAN LOCATIONS SHALL GOVERN.
3. REFER TO FLOOR PLANS FOR THE EXACT LOCATIONS OF DOORS AND DIRECTION OF DOOR SWINGS.
4. CEILING HEIGHT DIMENSIONS ARE GIVEN TO THE FINISH SURFACE OF THE CEILINGS.
5. THE CEILING SYSTEMS SHALL PROVIDE FOR THE SUPPORT OF LIGHTING FIXTURES, MECHANICAL GRILLES & DIFFUSERS, AND ALL OTHER CEILING-LOCATED DEVICES, THROUGH NORMAL ATTACHMENT TO STRUCTURE ABOVE. ATTACHMENT OF HANGERS OR FRAMING TO DUCTWORK IS PROHIBITED.
6. WHERE INTERFERENCE CAUSED BY DUCTWORK PREVENTS SECURING METAL STUDS VERTICALLY, BRACE AT ANGLE TO SLAB IN AN APPROVED METHOD.
7. LIGHT FIXTURES, MECHANICAL SYSTEM FIXTURES, AND SPECIAL SYSTEMS FIXTURES EXPOSED TO VIEW SHALL BE LOCATED AS SHOWN ON THE ARCHITECTURAL DRAWINGS. COORDINATE THE EXACT LOCATIONS OF ALL CEILING ITEMS NOT DIMENSIONED ON THIS OR OTHER DRAWINGS IN THE FIELD WITH THE ARCHITECT. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND OTHER DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING ALONG WITH SHOP DRAWING FIXTURE SPECIFICATIONS BEFORE PROCEEDING WITH THE WORK.
8. LIGHT FIXTURES ARE SHOWN FOR GENERAL FIXTURE TYPE AND QUANTITY & LOCATION ONLY. SEE ELECTRICAL DRAWINGS FOR EXACT FIXTURE TYPE AND CIRCUITING. SIMILARLY, FOR MECHANICAL GRILLES, DIFFUSERS & REGISTERS, SEE MECHANICAL DRAWINGS FOR SIZING, DISTRIBUTION, CONNECTIONS AND ALL OTHER MECHANICAL REQUIREMENTS.
9. WHERE PARTITIONS ABUT EXTERIOR WALLS OR WINDOW MULLIONS, INSTALL BUILDING SOUND Baffles IN AIR CONDITIONING SLOT DIFFUSERS.
10. IN LAYING OUT SUSPENDED ACOUSTICAL TILE CEILING (ATC) GRIDS, NO TILE DIMENSION SHALL BE LESS THAN 4" IN ANY DIRECTION. SLIVERS ARE NOT ACCEPTABLE.
11. IN LAYING OUT SUSPENDED ACOUSTICAL TILE CEILING (ATC) GRIDS, NO TILE DIMENSION SHALL BE LESS THAN 4" IN ANY DIRECTION. SLIVERS ARE NOT ACCEPTABLE.
12. UNLESS SPECIFICALLY NOTED, OR OTHERWISE DIMENSIONALLY SHOWN ON THE DRAWINGS, FIXTURES IN GRID CEILINGS SHALL BE LOCATED ON THE CENTER OF THE CEILING GRID TILES. THE CONTRACTOR SHALL BE AWARE OF THIS REQUIREMENT AND COORDINATE THE WORK AS NECESSARY WITH OTHER TRADES INVOLVED.
13. FIRE PROTECTION SPRINKLER HEADS, WHERE LOCATED IN EXPOSED GRID CEILINGS, SHALL BE LOCATED ON THE CENTER OF THE CEILING GRID TILES. THE CONTRACTOR SHALL BE AWARE OF THIS REQUIREMENT AND COORDINATE THE WORK AS NECESSARY WITH OTHER TRADES INVOLVED.
14. ALL SPRINKLER HEADS SHALL BE LOCATED SO AS NOT TO CONFLICT WITH CEILING HEIGHT, CABINET WORK, LIGHT FIXTURES OR OTHER GRILLES AND CEILING MOUNTED EQUIPMENT.
15. CONTRACTOR SHALL VERIFY AND COORDINATE THE INSTALLATION AND ROUTING OF ALL THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE ALL CEILINGS, TO THE FIXTURES AND ELEMENTS SHOWN IN THE CEILING PLAN WITH STRUCTURAL MEMBERS AND SUPPORTS, LIGHTING FIXTURES, MECHANICAL DUCTS AND PIPING, THE SPRINKLER SYSTEM, RACEWAYS, STRUCTURAL BRACING, CONDUITS, INSULATION AND THE CEILING SYSTEMS, WITH THOSE TRADES DURING THE PREPARATION OF THEIR SHOP DRAWINGS. AND, SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED ON THE DRAWINGS.
16. ANY CONFLICTS RESULTING FROM THE INABILITY TO ROUTE THE TRADES AS INTENDED SHALL BE BROUGHT, IN WRITING, TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL PRIOR TO PROCEEDING WITH ANY WORK IN THE LOWERING OF ANY CEILING SURFACE.
17. PATTERN OR TEXTURE OF CEILING TILES SHALL RUN IN ONE DIRECTION. DIRECTION SHALL BE ACROSS SHORTEST DISTANCE BETWEEN DEMISING WALLS.
18. NO COMBUSTIBLE MATERIALS SHALL BE USED ABOVE THE SUSPENDED CEILING.
19. CONTRACTOR SHALL COORDINATE THE PLACEMENT OF ALL EQUIPMENT AND ELEMENTS REQUIRING ACCESS FOR MAINTENANCE, OPERATION OR INSPECTIONS. PLACEMENT SHALL OCCUR WITHIN ACCESSIBLE CEILING SYSTEMS WHENEVER POSSIBLE OR PERMITTED BY CODE.
20. WHERE IT IS UNAVOIDABLE TO LOCATE AN ACCESS PANEL WITHIN AN INACCESSIBLE CEILING, WHICH HAS NOT BEEN SPECIFICALLY SHOWN OR LOCATED ON THE DRAWINGS, THE CONTRACTOR SHALL COORDINATE THE ACCESS PANEL LOCATION WITH LOCATIONS OF OTHER CEILING MOUNTED DEVICES AND BRING THE CONDITION TO THE ATTENTION OF THE ARCHITECT FOR APPROVAL, OR OTHER RESOLUTION FOR LOCATION.
21. THE G.C. IS TO COORDINATE ALL WORK OF ALL SUB CONTRACTORS & ENSURE THAT NO CONFLICTS OCCUR BETWEEN THE TRADES (THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, & FIRE).
22. THE G.C. IS TO COORDINATE WITH THE OWNERS VENDORS AND ENSURE THAT NO CONFLICTS OCCUR BETWEEN THEIR ITEMS AND THE ITEMS MENTIONED ABOVE. PARTICULAR ATTENTION IS TO BE PAID TO THE COORDINATION OF THE FIRE & SHOP EQUIPMENT VENDOR.
23. NO CONSIDERATION WILL BE GRANTED FOR CHANGES RESULTING FROM FAILURE TO COORDINATE BETWEEN THE SUB CONTRACTORS AND THE OWNERS VENDORS

KEY PLAN



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REVISONS:	ISSUE	Date
No.		

PLOT DATE: 10/22/2025 7:55:01 AM

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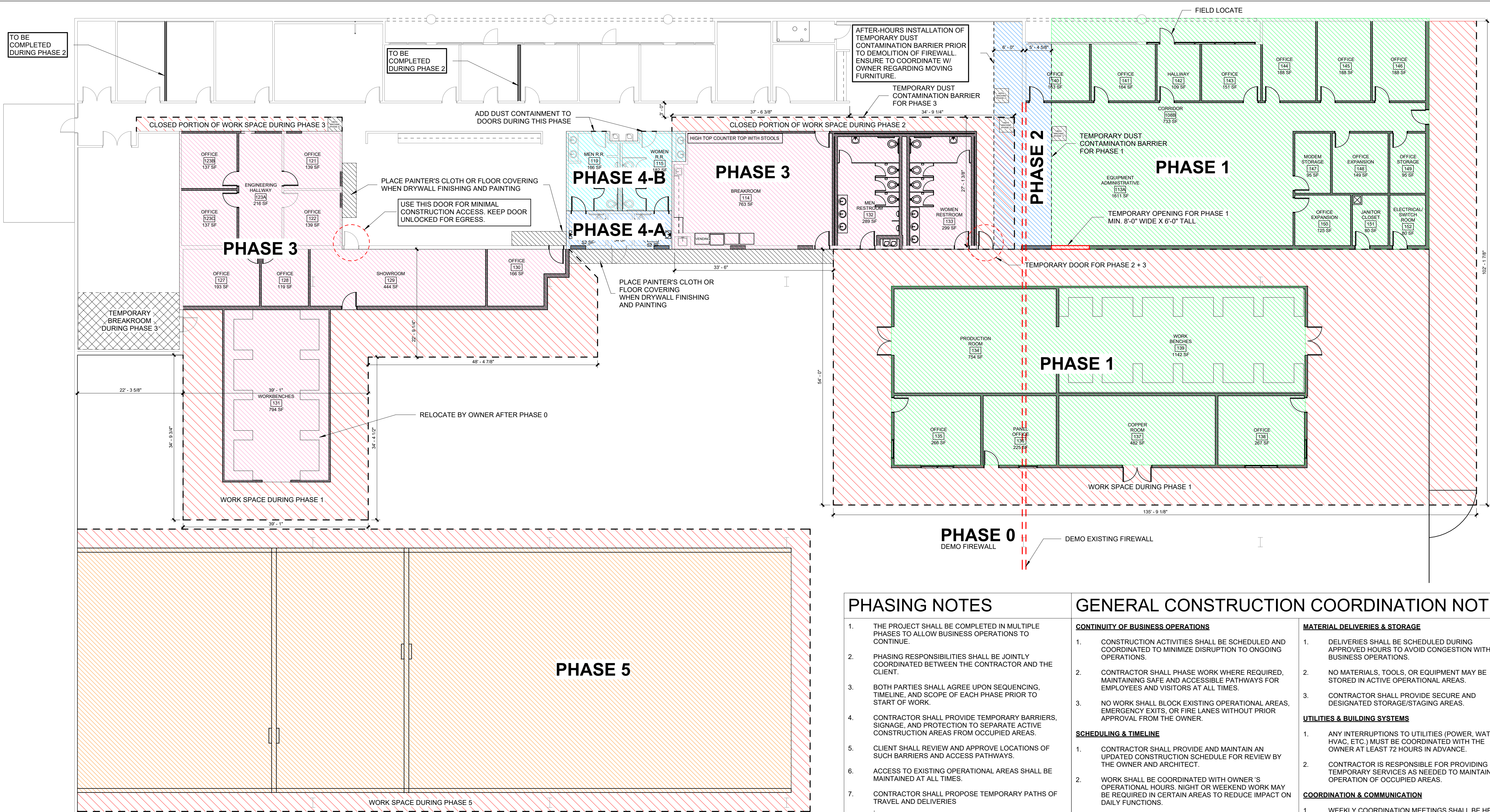
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COORDINATION PLAN

SCALE: 3/32" = 1'-0"

FIELD NOTES

ALLOCATED SPACE FOR ANY ADDITIONAL NOTES BY PROJECT MANAGER, CONTRACTOR, SUBCONTRACTOR, ETC.



PHASING NOTES

- THE PROJECT SHALL BE COMPLETED IN MULTIPLE PHASES TO ALLOW BUSINESS OPERATIONS TO CONTINUE.
- PHASING RESPONSIBILITIES SHALL BE JOINTLY COORDINATED BETWEEN THE CONTRACTOR AND THE CLIENT.
- BOTH PARTIES SHALL AGREE UPON SEQUENCING, TIMELINE, AND SCOPE OF EACH PHASE PRIOR TO START OF WORK.
- CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS, SIGNAGE, AND PROTECTION TO SEPARATE ACTIVE CONSTRUCTION AREAS FROM OCCUPIED AREAS.
- CLIENT SHALL REVIEW AND APPROVE LOCATIONS OF SUCH BARRIERS AND ACCESS PATHWAYS.
- ACCESS TO EXISTING OPERATIONAL AREAS SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR SHALL PROPOSE TEMPORARY PATHS OF TRAVEL AND DELIVERIES
- CLIENT SHALL APPROVE FINAL ACCESS ROUTES AND OPERATIONAL RESTRICTIONS.
- UTILITIES AND SYSTEMS THAT REQUIRE INTERRUPTION MUST BE REVIEWED AND APPROVED IN WRITING.
- CONTRACTOR SHALL PROVIDE A MINIMUM OF 72 HOURS' NOTICE.
- CLIENT SHALL AUTHORIZE FINAL DATES AND DURATIONS OF INTERRUPTIONS.
- CONTRACTOR SHALL SUBMIT A DETAILED PHASING PLAN AND TIMELINE TO THE CLIENT AND ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO BEGINNING CONSTRUCTION
- ANY DEVIATION FROM THE APPROVED PHASING PLAN SHALL REQUIRE WRITTEN APPROVAL FROM BOTH THE CLIENT AND THE ARCHITECT BEFORE IMPLEMENTATION.

GENERAL CONSTRUCTION COORDINATION NOTES

CONTINUITY OF BUSINESS OPERATIONS

- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED AND COORDINATED TO MINIMIZE DISRUPTION TO ONGOING OPERATIONS.
- CONTRACTOR SHALL PHASE WORK WHERE REQUIRED, MAINTAINING SAFE AND ACCESSIBLE PATHWAYS FOR EMPLOYEES AND VISITORS AT ALL TIMES.
- NO WORK SHALL BLOCK EXISTING OPERATIONAL AREAS, EMERGENCY EXITS, OR FIRE LANES WITHOUT PRIOR APPROVAL FROM THE OWNER.

SCHEDULING & TIMELINE

- CONTRACTOR SHALL PROVIDE AND MAINTAIN AN UPDATED CONSTRUCTION SCHEDULE FOR REVIEW BY THE OWNER AND ARCHITECT.
- WORK SHALL BE COORDINATED WITH OWNER'S OPERATIONAL HOURS. NIGHT OR WEEKEND WORK MAY BE REQUIRED IN CERTAIN AREAS TO REDUCE IMPACT ON DAILY FUNCTIONS.
- ANY DELAYS, SCHEDULE CHANGES, OR EXTENDED SHUTDOWNS MUST BE COMMUNICATED TO THE ARCHITECT AND OWNER IMMEDIATELY.

CLEANLINESS & HOUSEKEEPING

- CONTRACTOR SHALL MAINTAIN A CLEAN JOBSITE AT ALL TIMES. DUST, DEBRIS, AND WASTE MATERIALS SHALL BE CONTAINED AND REMOVED DAILY.
- TEMPORARY PARTITIONS, BARRIERS, OR PROTECTION SHALL BE PROVIDED TO PREVENT DUST MIGRATION INTO OCCUPIED AREAS.
- FLOOR PROTECTION SHALL BE INSTALLED WHERE CONSTRUCTION TRAFFIC OVERLAPS WITH ACTIVE OPERATIONAL ZONES.

NOISE, VIBRATION, AND DUST CONTROL

- NOISY, HIGH-VIBRATION, OR DUST-GENERATING WORK SHALL BE SCHEDULED DURING OFF-PEAK HOURS WHEN POSSIBLE.
- CONTRACTOR SHALL COORDINATE WITH OWNER IN ADVANCE OF ALL DISRUPTIVE WORK.
- EQUIPMENT PRODUCING EXCESSIVE VIBRATION OR FUMES MUST BE APPROVED AND MONITORED DURING USE.

SITE SAFETY & ACCESS

- CONTRACTOR SHALL MAINTAIN SAFE WORKING CONDITIONS IN COMPLIANCE WITH OSHA AND ALL APPLICABLE REGULATIONS.
- ALL CONSTRUCTION AREAS MUST BE CLEARLY MARKED AND SECURED WITH SIGNAGE, TAPE, OR BARRICADES AS REQUIRED.
- ACCESS POINTS FOR STAFF, DELIVERIES, AND CONSTRUCTION PERSONNEL SHALL BE COORDINATED TO AVOID CONFLICT WITH ACTIVE BUSINESS OPERATIONS.

MATERIAL DELIVERIES & STORAGE

- DELIVERIES SHALL BE SCHEDULED DURING APPROVED HOURS TO AVOID CONGESTION WITH BUSINESS OPERATIONS.
- NO MATERIALS, TOOLS, OR EQUIPMENT MAY BE STORED IN ACTIVE OPERATIONAL AREAS.
- CONTRACTOR SHALL PROVIDE SECURE AND DESIGNATED STORAGE/STAGING AREAS.

UTILITIES & BUILDING SYSTEMS

- ANY INTERRUPTIONS TO UTILITIES (POWER, WATER, HVAC, ETC.) MUST BE COORDINATED WITH THE OWNER AT LEAST 72 HOURS IN ADVANCE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SERVICES AS NEEDED TO MAINTAIN OPERATION OF OCCUPIED AREAS.

COORDINATION & COMMUNICATION

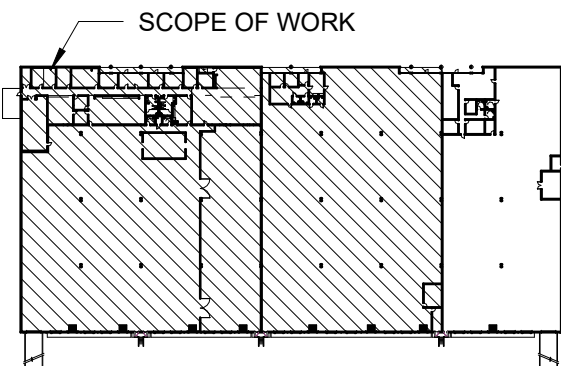
- WEEKLY COORDINATION MEETINGS SHALL BE HELD WITH THE OWNER AND ARCHITECT TO REVIEW PROGRESS, UPCOMING ACTIVITIES, AND POTENTIAL CONFLICTS.
- CONTRACTOR SHALL NOTIFY OWNER OF ALL PLANNED DISRUPTIVE WORK NO LESS THAN 48 HOURS PRIOR.
- ALL RFIS, SUBMITTALS, AND CHANGE REQUESTS MUST BE LOGGED AND TRACKED.

FINAL COMPLETION & TURNOVER

- CONTRACTOR SHALL THOROUGHLY CLEAN AND RESTORE ALL WORK AREAS PRIOR TO TURNOVER.
- ALL CONSTRUCTION WASTE SHALL BE REMOVED FROM SITE.
- CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL WALKTHROUGH AND ACCEPTANCE PRIOR TO CLOSEOUT.

KEY PLAN

SCALE: 1" = 160'



STROUD

AND COMPANY

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RENOVATION

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580 JOE TAMPAIN INDUSTRIAL BLVD
MACON, GA 31217

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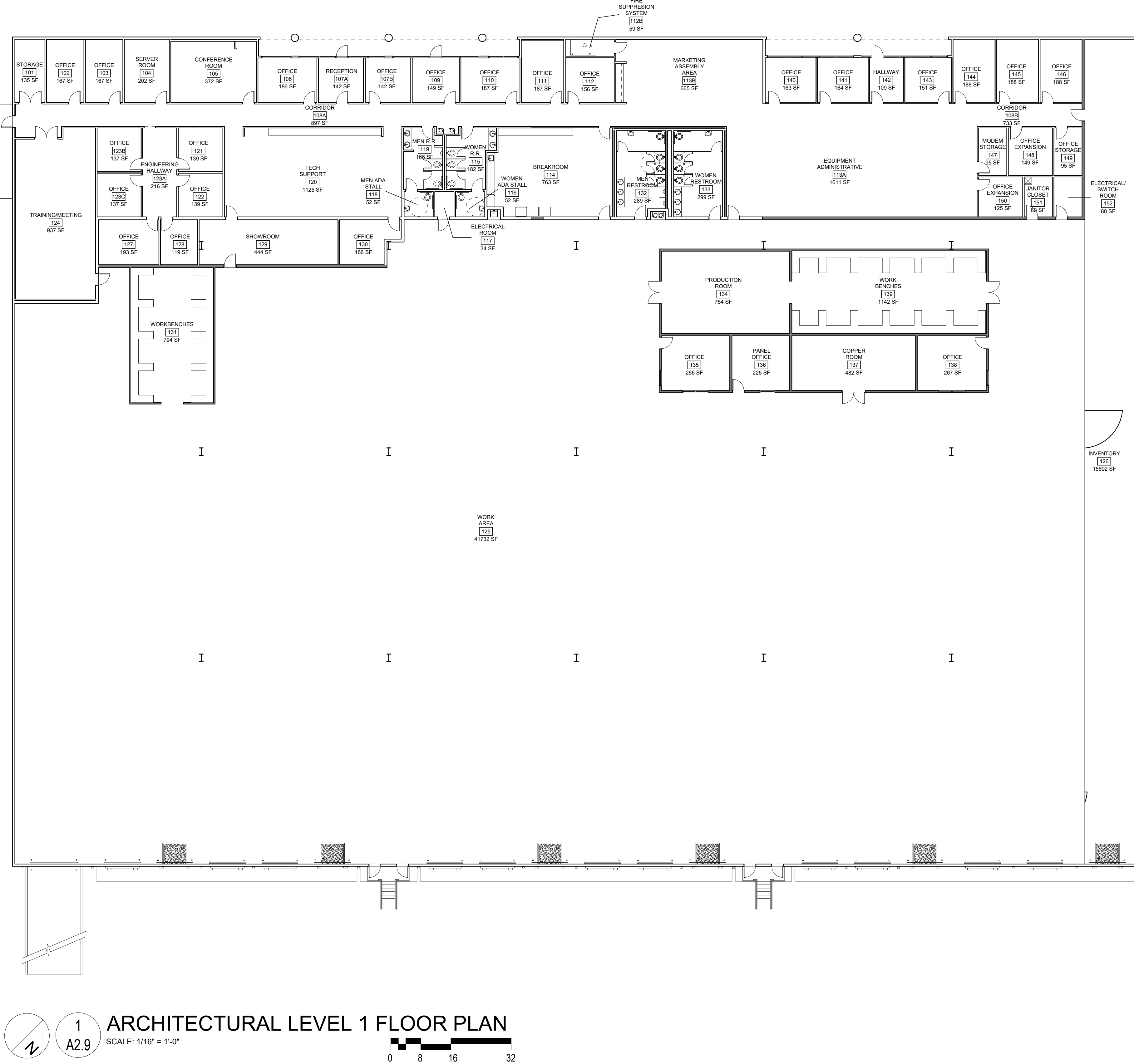
SHEET NAME:

CONSTRUCTION
COORDINATION

PROJECT NUMBER: 25047
SHEET NUMBER:

A2.7

PLOT DATE: 10/22/2025 7:55:05 AM



ARCHITECTURAL LEVEL 1 FLOOR PLAN
SCALE: 1/16" = 1'-0"
0 8 16 32

FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	BASE	FLOOR	WALL FINISH	CEILING FINISH	NOTES
101	STORAGE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
102	OFFICE	B-1	CT-1	EXIST.	EXIST.	MATCH EXISTING
103	OFFICE	B-1	CT-1	EXIST.	EXIST.	MATCH EXISTING
104	SERVER ROOM	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
105	CONFERENCE ROOM	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
106	OFFICE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
107A	RECEPTION	B-1	CT-1	EXIST.	ACT-1	MATCH EXISTING
107B	OFFICE	B-1	CT-1	EXIST.	ACT-1	MATCH EXISTING
108A	CORRIDOR	B-1	CT-1	EXIST.	EXIST.	EXIST.
108B	CORRIDOR	B-1	CT-1		ACT-1	
109	OFFICE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
110	OFFICE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
111	OFFICE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
112	OFFICE	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
112B	FIRE SUPPRESION SYSTEM	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
113A	EQUIPMENT ADMINISTRATIVE	B-1	CT-1		ACT-1	
113B	MARKETING ASSEMBLY AREA	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
114	BREAKROOM	CT-2	CT-2		ACT-1	
115	WOMEN R.R.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
116	WOMEN ADA STALL	CT-2	CT-2	EXIST.	EXIST.	MATCH TO WOMEN R.R. (ROOM 115)
117	ELECTRICAL ROOM	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
118	MEN ADA STALL	CT-2	CT-2	EXIST.	EXIST.	MATCH TO MEN R.R. (ROOM 119)
119	MEN R.R.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
120	TECH SUPPORT	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
121	OFFICE	B-1	EXIST.	EXIST.	EXIST.	MATCH EXISTING
122	OFFICE	B-1	EXIST.	EXIST.	EXIST.	MATCH EXISTING
123A	ENGINEERING HALLWAY	B-1	CT-1		ACT-1	
123B	OFFICE	B-1	CT-1		ACT-1	
123C	OFFICE	B-1	CT-1		ACT-1	
124	TRAINING/MEETING	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
125	WORK AREA	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
126	INVENTORY	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.
127	OFFICE	B-1	CT-1		ACT-1	
128	OFFICE	B-1	CT-1		ACT-1	
129	SHOWROOM	W-1	C-1		ACT-1	
130	OFFICE	B-1	CT-1		ACT-1	
131	WORKBENCHES	W-1	C-1		NONE	
132	MEN RESTROOM	CT-2	CT-2	FRP	ACT-1	
133	WOMEN RESTROOM	CT-2	CT-2	FRP	ACT-1	
134	PRODUCTION ROOM	W-1	C-1		PLY	
135	OFFICE	B-1	C-1		ACT-1	
136	PANEL OFFICE	B-1	C-1		ACT-1	
137	COPPER ROOM	W-1	C-1		ACT-1	
138	OFFICE	B-1	C-1		ACT-1	
139	WORK BENCHES	W-1	C-1		PLY	
140	OFFICE	B-1	CT-1		ACT-1	
141	OFFICE	B-1	CT-1		ACT-1	
142	HALLWAY	B-1	CT-1		ACT-1	
143	OFFICE	B-1	CT-1		ACT-1	
144	OFFICE	B-1	CT-1		ACT-1	
145	OFFICE	B-1	CT-1		ACT-1	
146	OFFICE	B-1	CT-1		ACT-1	
147	MODERN STORAGE	B-1	VCT-1		ACT-1	
148	OFFICE EXPANSION	B-1	CT-1		ACT-1	
149	OFFICE STORAGE	B-1	VCT-1		ACT-1	
150	OFFICE EXPANSION	B-1	CT-1		ACT-1	
151	JANITOR CLOSET	B-1	C-1		ACT-1	
152	ELECTRICAL/ SWITCH ROOM	B-1	C-1		ACT-1	

GWB NOTES

- FINISH ALL INTERIOR WALLS IN HABITABLE SPACES, EXCLUDING STORAGE SPACES, TO A LEVEL 3 FINISH.
- FINISH ALL WALLS SCHEDULED TO RECEIVE TILE OR OTHER SECONDARY WALL COVERING, EXCLUDING WALLPAPER AND OTHER THIN SUBSTRATES, TO A LEVEL 2 FINISH.
- FINISH ALL WALLS SCHEDULED TO RECEIVE WALLPAPER OR OTHER THIN SUBSTRATE TO A LEVEL 3 FINISH.
- COORDINATE FINISH LEVEL W/ ANY SPECIFIED UL DETAILS THAT MAY REQUIRE SPECIFIC JOINT DETAILING AND FINISHING. FINISH WALLS TO UL SPECIFICATION OR THE SPECIFICATIONS OF THIS SCHEDULE, WHICHEVER IS HIGHER

FINISH KEYNOTE

WALL BASE	
B-1	VINYL BASE
W-1	WOOD BASE
CT-2	CERAMIC TILE
FLOOR	
VCT-1	VINYL COMPOSITION TILE
CT-1	CARPET TILE
C-1	CONCRETE (EXISTING CONCRETE TO REMAIN)
CT-2	CERAMIC TILE
WALL PAINT	
PT-1	BENJAMIN MOORE OC-57, WHITE HERON
PT-2	BENJAMIN MOORE HC-157, NARRAGANSETT GREEN
PT-3	MURAL (BY OWNER)
PT-4	FRP (WHITE COLOR U.N.O.)
CEILING	
ACT-1	2' X 2' ACOUSTICAL CEILING TILE, USE SIMILAR FINISH TO EXISTING. V.I.F.
GYP	PAINTED GYPSUM, TBD PAINT COLOR
EXP	EXPOSED CEILING, NO CHANGE
PLY	PAINTED PLYWOOD, TBD PAINT COLOR

FINISH NOTES

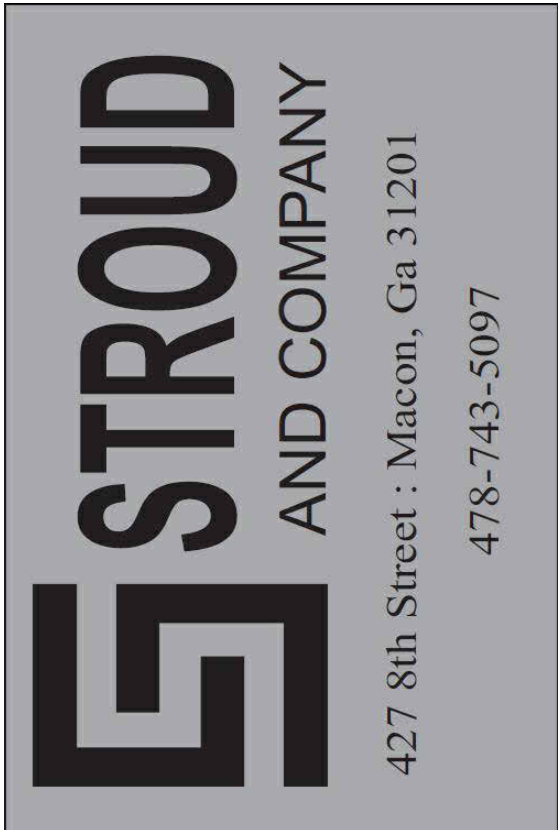
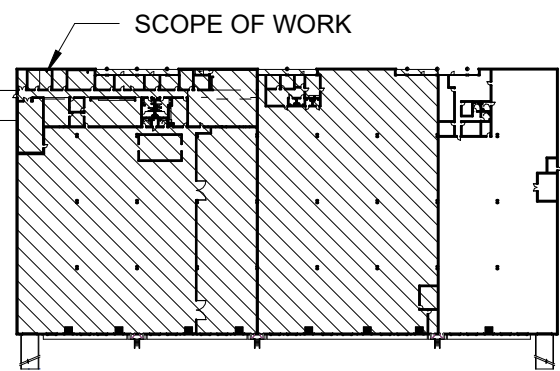
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PREPARATION OF ALL NEW AND EXISTING SURFACES IN A SATISFACTORY MANNER TO RECEIVE NEW FINISHES. THIS INCLUDES THE DEMOLITION AND REMOVAL OF NECESSARY ITEMS. TOUCH-UP AND/OR REFINISH OF SURFACES DAMAGED BY SUBSEQUENT WORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. THE GENERAL CONTRACTOR SHALL PREPARE THE EXISTING FLOOR PRIOR TO THE APPLICATION OF FINISH FLOORING. THE EXISTING CONCRETE SLAB MUST BE SMOOTH AND LEVEL TO WITHIN A TOLERANCE OF ONE-EIGHTH INCH PER FOOT. LATEX CEMENT PATCHING COMPOUND SHALL BE UTILIZED (NO ASPHALT BASED COMPOUNDS).
- ALL SURFACES WHICH ARE TO RECEIVE A PAINT FINISH SHALL BE PRIMED AND FINISHED IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS.
- ALL JOINTS IN GYPSUM BOARD WALLS SHALL BE FINISHED WITH PAPER TAPE 2" WIDE AND THREE COATS OF VINYL, DRY OR PREMIUM JOINT COMPOUND. OUTSIDE CORNERS SHALL BE FINISHED WITH METAL CORNER BEADS, TAPED AND SPACKLED. ALL AREAS TO BE PAINTED SHALL BE SANDED SMOOTH. JUST PRIOR TO THE APPLICATION OF THE FIRST COAT OF PAINT, WIPE SANDED SURFACES WITH A DAMP CLOTH IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING.
- THE PAINT CONTRACTOR SHALL REMOVE ALL HARDWARE, SWITCH COVERS, ETC. PRIOR TO PAINTING AND BE RESPONSIBLE FOR THE REINSTALLATION AFTER PAINTING IS COMPLETED.
- FINISH FLOORING INSTALLATION SHALL BE IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDED INSTALLATION GUIDELINES. COORDINATE THE INSTALLATION WITH OTHER TRADES, SUCH AS ELECTRICAL.
- ALL JOINTS BETWEEN MATERIALS TO BE TIGHT AND CONSTRUCTED IN A NEAT WORKMANLIKE MANNER
- ALL FINISHES SHALL BE TOUCHED UP TO CORRECT ANY IMPERFECTIONS AFTER INSTALLATION. FIXTURE CONTRACTOR SHALL PROVIDE TO THE GENERAL CONTRACTOR ALL MATERIALS FOR TOUCH UP WORK.
- THE INTENT OF THE FINISH SPECIFICATION IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THE WORK. COVER ALL SURFACES THOROUGHLY. IF THE SPECIFIED NUMBER OF COATS DOES NOT ACCOMPLISH THE INTENT, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPLICATION OF ADDITIONAL COATS OF THE SPECIFIED MATERIAL TO GIVE SATISFACTORY COVERAGE, AT NO ADDITIONAL COST TO OWNER.
- CLEAN ALL GLASS SURFACES WITH LIQUID GLASS CLEANER AT PROJECT COMPLETION.
- PAINT ALL DOORS AND JAMBS, SEMI GLOSS IN COLOR TO MATCH ADJACENT FINISH, WHERE OCCURS, UNLESS NOTED OTHERWISE.
- FLAT PAINT FINISH TO BE USED ON CEILINGS U.N.O.
- EGOSHELL PAINT FINISH TO BE USED ON ALL WALLS U.N.O.
- SEMI-GLOSS PAINT FINISH TO BE USED ON ALL DOORS AND DOOR FRAMES U.N.O.

FLOOR NOTES

- TYPICAL FINISHES WITHIN ROOM U.N.O. SEE THIS SHEET FOR MATERIAL AND COLOR SCHEDULE.
- ALL FLOOR COVERING MATERIALS TO BE INSTALLED PER MANUFACTURER'S STANDARD DETAILS AND SPECIFICATIONS. VERIFY W/ MANUFACTURER PRIOR TO INSTALLATION.
- THE G.C. IS RESPONSIBLE FOR PROVIDING A SMOOTH LEVEL FLOOR SURFACE THAT MEETS THE MANUFACTURERS INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF ALL FLOORING MATERIALS. USE LEVELING COMPOUND UNDER TILE AND CARPET AREAS PER SPECIFICATIONS. PATCH/SHIM ALL AREAS AS NECESSARY SO THAT NEW FLOORING MEETS LEVEL WITH ALL OTHER FLOORING SURFACES MAX SLOPE OF 1:20.
- THE FLOORING SUB-CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE CONDITION OF THE BASE FLOOR MEETS THE INSTALLATION SPECIFICATIONS PRIOR TO THE INSTALLATION OF THE NEW FLOORING MATERIAL.
- ALL MATERIAL TRANSITIONS AT DOOR THRESHOLDS TO TAKE PLACE AT DOOR CENTERLINE U.N.O. ALL DIMENSIONS ARE TO CENTERLINE OF TRANSITION BETWEEN FLOORING MATERIALS OR FINISH COLOR OF SAME MATERIAL.
- PLANS DO NOT SHOW ALL TILES OF SAME MATERIALS. CONTRACTOR TO START TILES AT POINT AS INDICATED ON PLANS.

KEY PLAN

SCALE: 1" = 160'



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CHEM AQUA - INTERIOR RENOVATION

PROJECT NAME:

PROJECT ADDRESS:
580 JOE TAMPIN INDUSTRIAL BLVD
MACON, GA 31217

DRAWN: JRM	CHECKED: JCA
APPROVED: JCA	ISSUE DATE: 10/21/25

REVISIONS:		
No.	ISSUE	Date

SHEET NAME:

FINISH PLAN

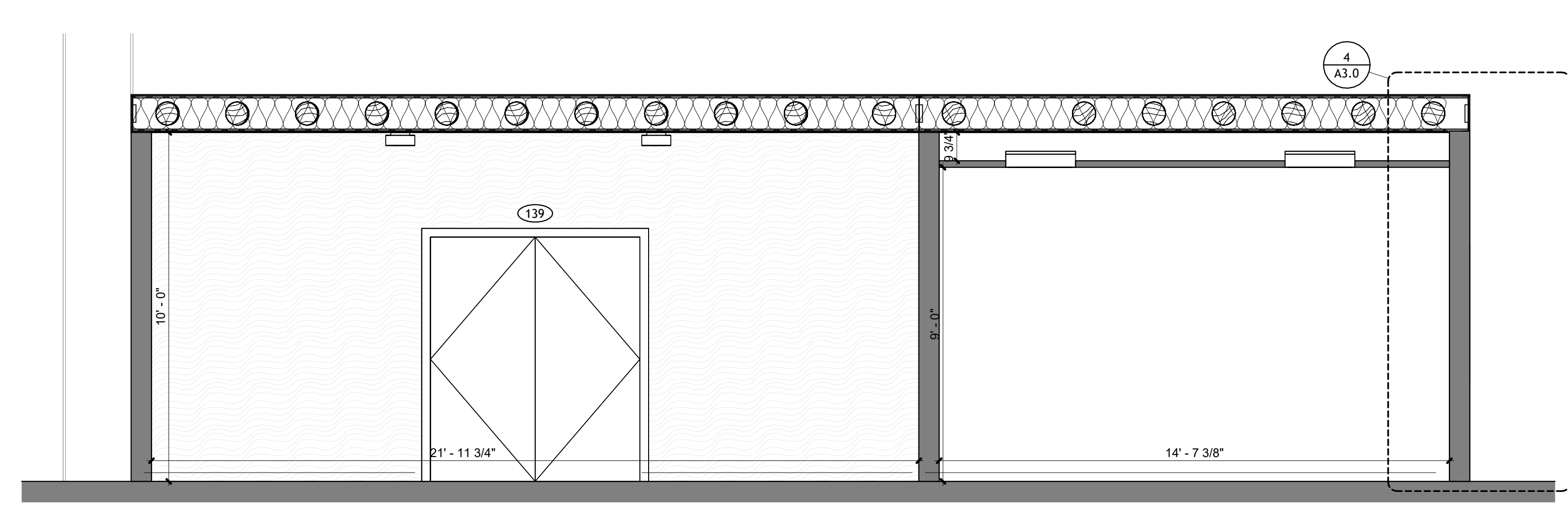
PROJECT NUMBER: 25047

SHEET NUMBER:

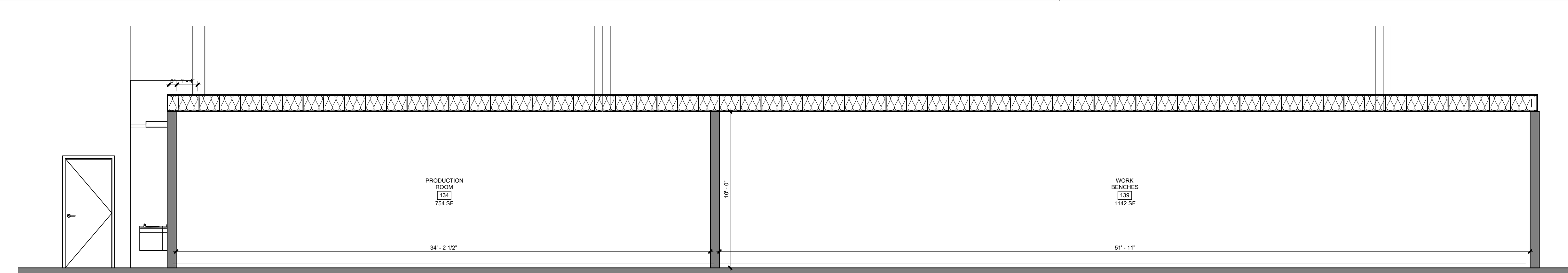
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ISSUED FOR CONSTRUCTION

PRODUCTION ROOM SECTIONS

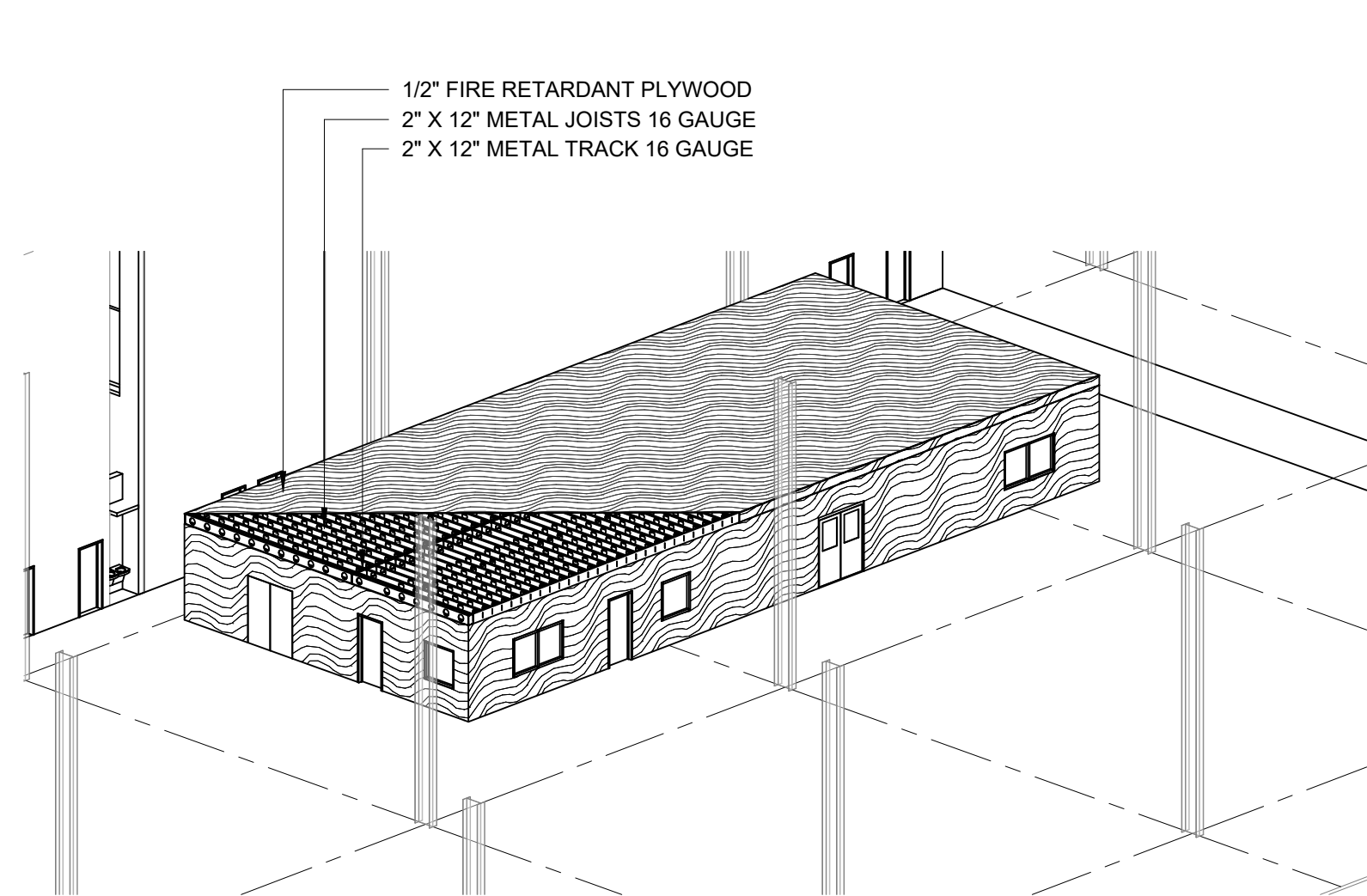


1 PRODUCTION ROOM SECTION
SCALE: 3/8" = 1'-0"



2 PRODUCTION ROOM LONG SECTION
SCALE: 1/4" = 1'-0"

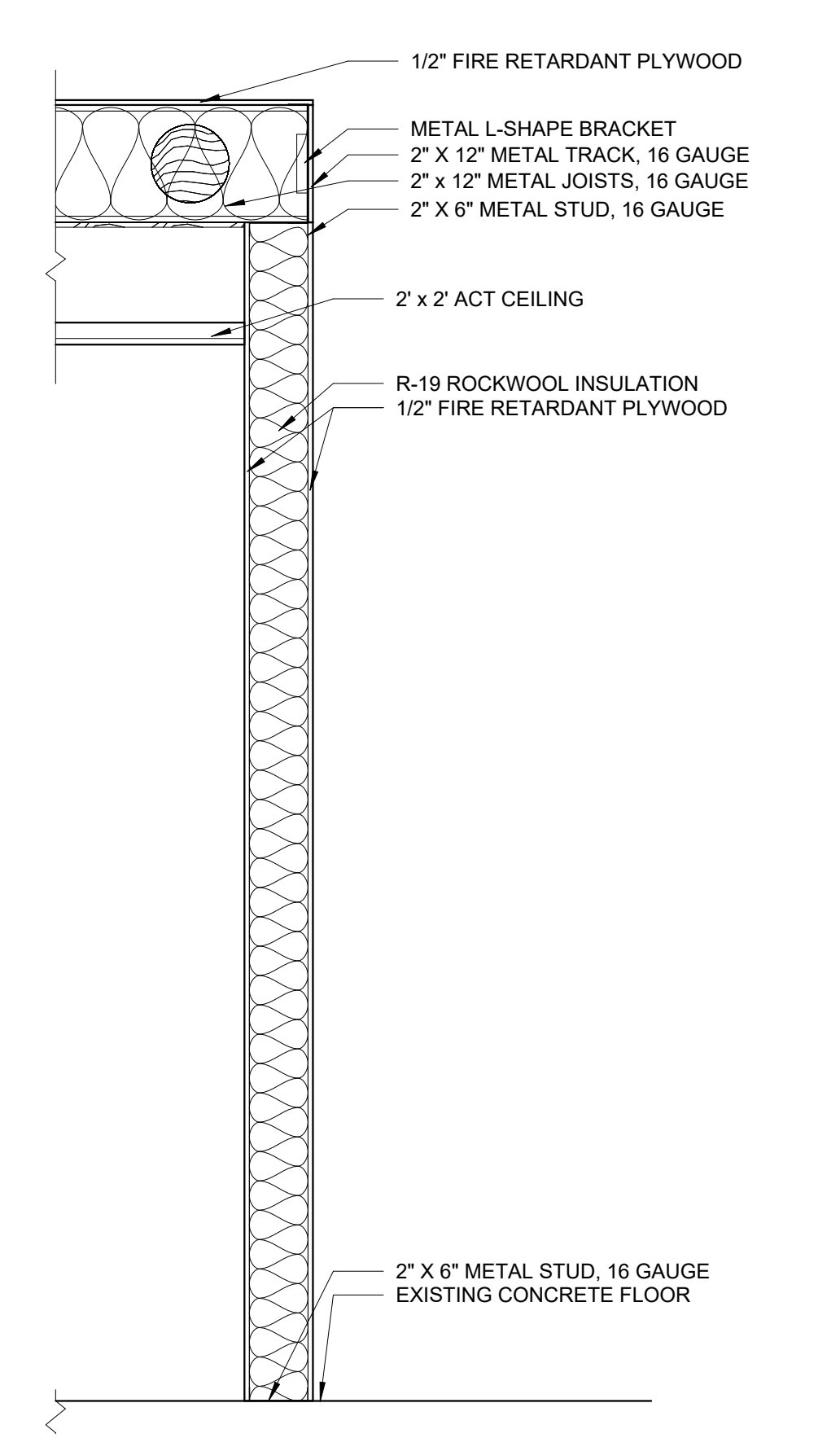
PRODUCTION ROOM PERSPECTIVE



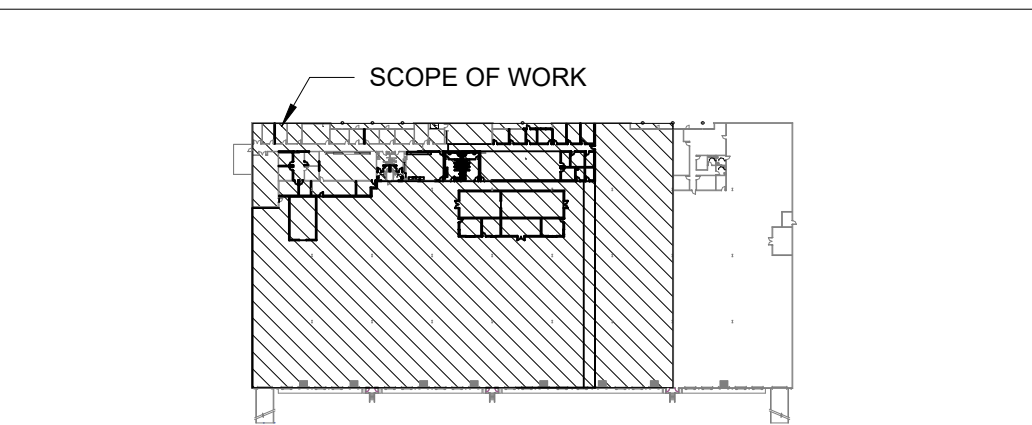
PROD. ROOM NOTES

- JOISTS (ROOF COVER)**
1. TYPE: CLARKDIETRICH TRADEREADY® 12TDW16, 12" DEEP, 16 GA (50 KSI)
 2. SPACING: 16" O.C.
 3. SPAN: 22' - 6 3/4"
 4. SHEATHING: 1/2" FIRE-RETARDANT PLYWOOD, FASTENED PERPENDICULAR TO JOISTS. #8 SCREWS @ 6" O.C. EDGES, 12" O.C. FIELD
 5. BRIDGING: INSTALL STRUCTURAL BRIDGING ROWS ≤ 8'-0" O.C. ALONG SPAN
 6. BEARING: PROVIDE ≥ 3 1/2" BEARING EACH END; INSTALL RIM TRACK PER MFR. DETAILS
 7. WEB STIFFENERS REQUIRED AT ALL JOIST BEARINGS
 8. JOISTS SHALL PROVIDE SUPPORT FOR LIGHT ROOF COVERING, SUSPENDED CEILING SYSTEM, AND LIGHT MEP DISTRIBUTION (≤ 5 PSF ADDITIONAL LOAD).
- BEARING WALL FRAMING**
1. STUDS: CLARKDIETRICH 600S162-54 (6" DEEP, 16 GA, 50 KSI) @ 16" O.C.
 2. WALL HEIGHT: 11'-0"
 3. TRACK: MATCHING 16 GA STRUCTURAL TRACK, TOP AND BOTTOM
 4. LATERAL BRACING: PROVIDE SHEATHING OR STRAP BRACING PER DESIGN
 5. ALL CONNECTIONS PER MANUFACTURER'S REQUIREMENTS; PROVIDE WEB STIFFENERS AT BEARING CONDITIONS.
- CEILING & MEP HANGER NOTES**
1. SUSPENDED CEILING HANGER WIRES TO ATTACH TO JOIST WEBS OR RATED CLIPS, NOT TO FLANGES.
 2. TYPICAL HANGER WIRE: 12 GA @ 4' O.C. MAX ALONG CEILING MAINS.
 3. LIGHT DUCTS (≤ 2 PSF) MAY BE SUPPORTED WITH 1/2"-3/4" THREADED RODS ATTACHED TO JOIST WEB USING RATED CFS CLIPS.
 4. HEAVY MEP OR EQUIPMENT TO BE INDEPENDENTLY SUPPORTED BY STRUCTURAL FRAMING (NOT FROM CFS JOISTS).
 5. COORDINATE ALL CEILING/MEP ATTACHMENTS WITH FRAMING LAYOUT.
- REFERENCES**
1. CLARKDIETRICH TRADEREADY® STEEL FLOOR JOISTS – TECHNICAL NOTES
 2. CLARKDIETRICH ALLOWABLE UNBRACED AXIAL LOADS (600S162-54 @ 12' HEIGHT)
 3. CLARKDIETRICH TDS8 STRUCTURAL BRIDGING SUBMITTAL

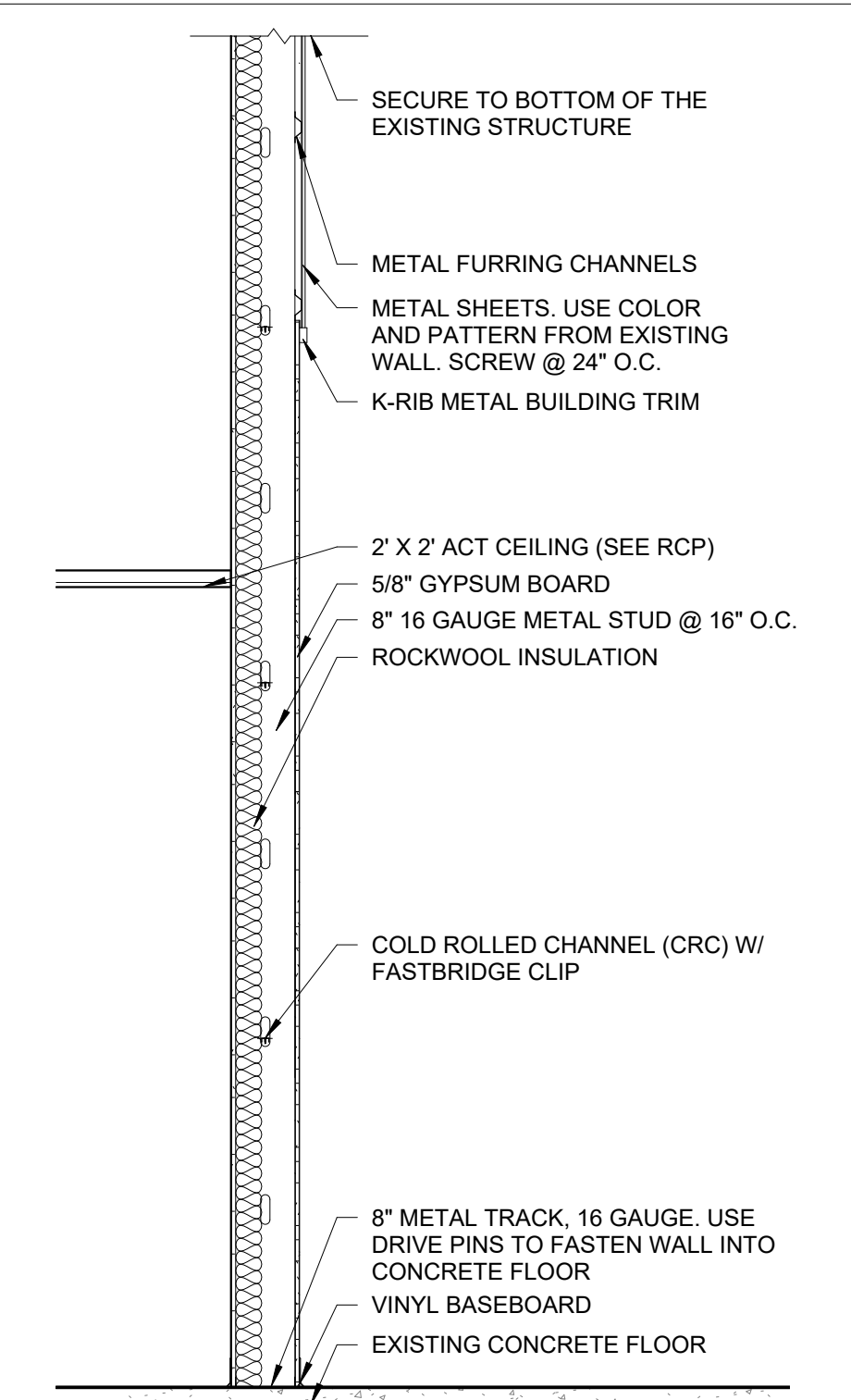
PROD. ROOM SECTION NOTES



KEY PLAN



WALL SECTIONS



3 PART. WALL SECTION
SCALE: 1/2" = 1'-0"

NOTE: THIS WALL SECTION REPRESENTS A TYPICAL CONSTRUCTION METHOD FOR A WALL. FIELD VERIFY THE EXISTING PARTITION WALL AND MATCH THE EXISTING CONSTRUCTION METHOD, MATERIAL, AND COLOR. ANY DISCREPANCIES SHOULD BE BROUGHT UP TO THE GENERAL CONTRACTOR.

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478-743-5097

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CHEM AQUA - INTERIOR RENOVATION

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MACON, GA 31217

STAMP:



DRAWN: JRM	CHECKED: JCA
APPROVED: JCA	ISSUE DATE: 10/21/25

REVISIONS:		
No.	ISSUE	Date

SHEET NAME:

ADDITIONAL
DETAILS +
SECTIONS

PROJECT NUMBER: 25047
SHEET NUMBER:

A3.0

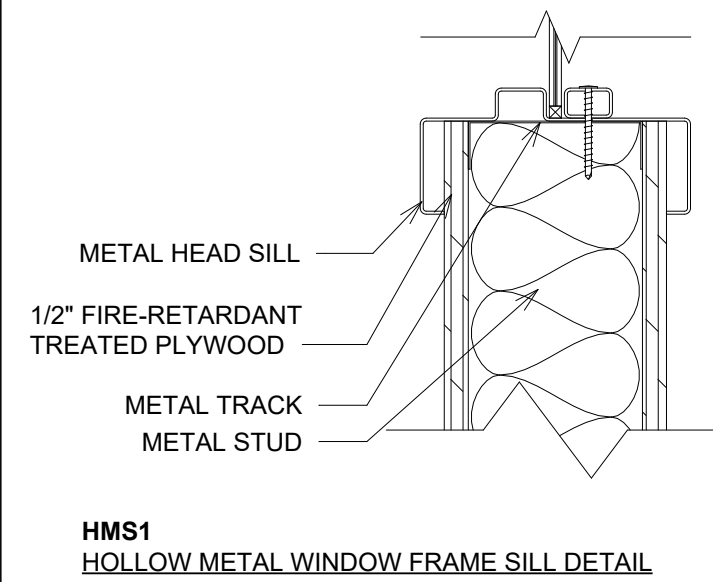
WINDOW SCHEDULE

Type Mark	Size		Type	Material	Finish	Detail		Sill	Glazing		Comments
	Width	Height				Head	Jamb		Thickness	Type	
A	4' - 0"	4' - 0"	FIXED	ALUM	NONE	HMH1	HMJ1	HMS1	TBD	TEMPERED	SEE INTERIOR ELEVATION FOR HEAD HEIGHT
B	7' - 0"	4' - 0"	FIXED	ALUM	NONE	HMH1	HMJ1	HMS1	TBD	TEMPERED	SEE INTERIOR ELEVATION FOR HEAD HEIGHT

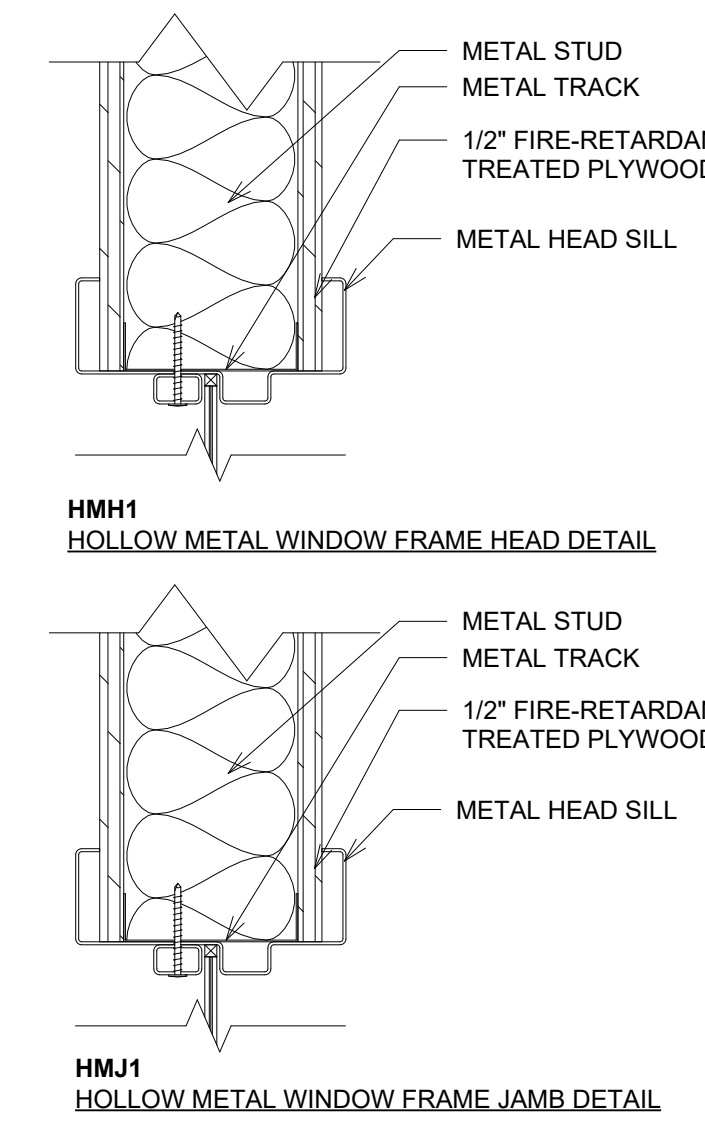
WINDOW NOTES

WINDOW MATERIAL
ALUM ALUMINUM WINDOW, TYP.
WINDOW FINISH
NONE NO PAINT, UNFINISHED ALUMINUM

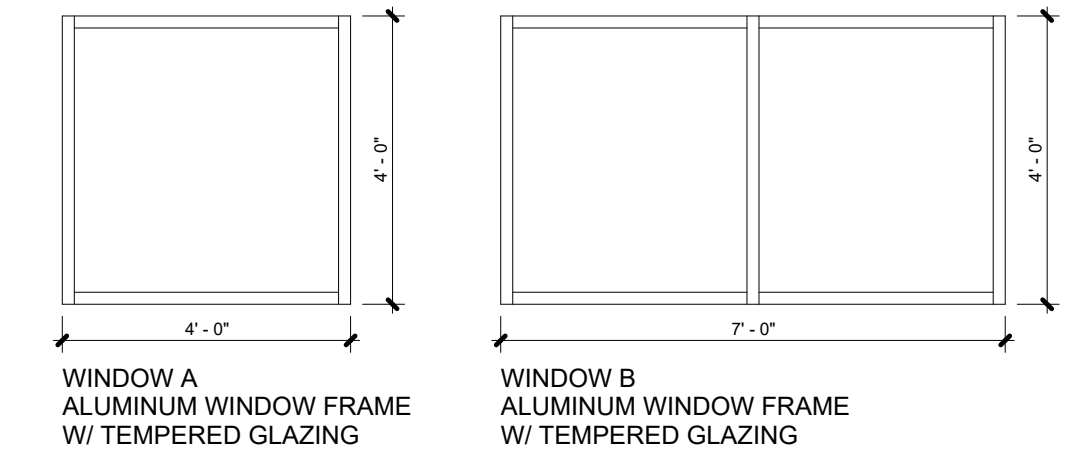
WINDOW SILL DETAIL



WIN. FRAME DETAILS



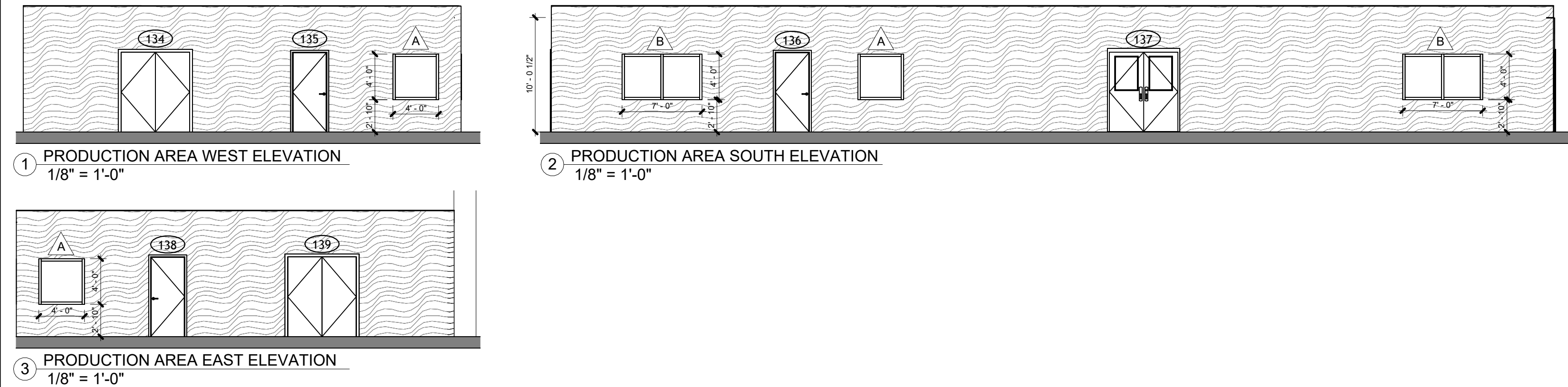
WINDOW ELEVATIONS



DOOR SCHEDULE

Mark	Door				Material	Door Type	Door		Frame						Comments
	Width	Height	Thickness	Finish			Under Cut	Material	Type	Finish	Head	Jamb	Sill		
BREAKROOM															
114A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
114B	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D1	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
CORRIDOR															
108B	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
ENGINEERING															
121	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
123A	3' - 0"	7' - 0"	0' - 0"	CO	NONE	NONE	3/4"	METAL	C1	PT-5	HMH1	HMJ1	NONE		
123B	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
123C	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
127	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
128	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
EQUIPMENT ADMINISTRATIVE															
113A	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
140	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
141	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
142A	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE	INSTALL ELECTRIC STRIKE STOREFRONT DOOR	
142B	3' - 0"	7' - 0"	0' - 1 3/4"	GD	SEE NOTES	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	EXIST.		
143	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
144	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
145	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
146	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
147	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D1	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
148	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
149	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D1	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
150	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
MEN RESTROOM															
118	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
132	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
SHOWROOM															
129	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
TECH SUPPORT															
130	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
WOMEN RESTROOM															
116	3' - 0"	7' - 0"	0' - 1 3/4"	WD	D2	PT-4	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
133	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
WORK AREA 1															
134	6' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
135	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D2	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	DS1		
136	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D2	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
137	6' - 0"	7' - 0"	0' - 1 3/4"	HM	SEE NOTES	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE	GLASS W/ ACTIVE/INACTIVE DOOR LEAF	
138	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D2	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
139	6' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
151	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		
152	3' - 0"	7' - 0"	0' - 1 3/4"	HM	D1	PT-5	3/4"	METAL	F2	PT-5	HMH1	HMJ1	NONE		

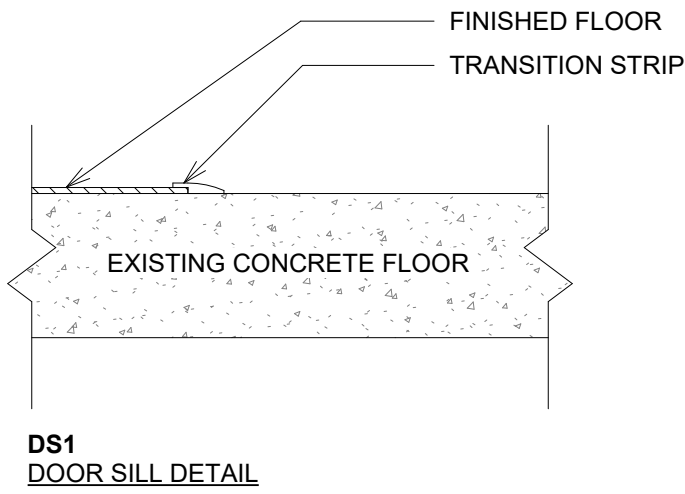
INTERIOR ELEVATIONS



WINDOW NOTES

- ALL WINDOWS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, PLUMB, LEVEL, AND SQUARE.
- PROVIDE SAFETY OR TEMPERED GLAZING WHERE REQUIRED BY CODE (WITHIN 24" OF DOORS, WITHIN 18" OF FINISHED FLOOR, OR IN LOCATIONS SUBJECT TO IMPACT FROM PRODUCTION EQUIPMENT OR MATERIAL HANDLING).
- GLAZING TYPE TO BE CLEAR LAMINATED SAFETY GLASS OR TEMPERED INSULATED GLASS, MINIMUM 1/4" THICK, UNLESS OTHERWISE NOTED.
- FRAMES SHALL BE HOLLOW METAL OR ALUMINUM WITH FACTORY FINISH. INTERIOR FINISH TO MATCH ADJACENT DOOR FRAMES UNLESS OTHERWISE INDICATED.
- PROVIDE CONTINUOUS SEALANT AND BACKER ROD AT PERIMETER OF FRAMES TO PREVENT AIR, DUST, AND NOISE INFILTRATION BETWEEN PRODUCTION AND OFFICE AREAS.
- VERIFY GLAZING TYPE AND REQUIREMENTS WITH AHI (AUTHORITY HAVING JURISDICTION) BASED ON PRODUCTION AREA USE AND HAZARD CLASSIFICATION.

DOOR SILL DETAIL



DOOR FINISH NOTES

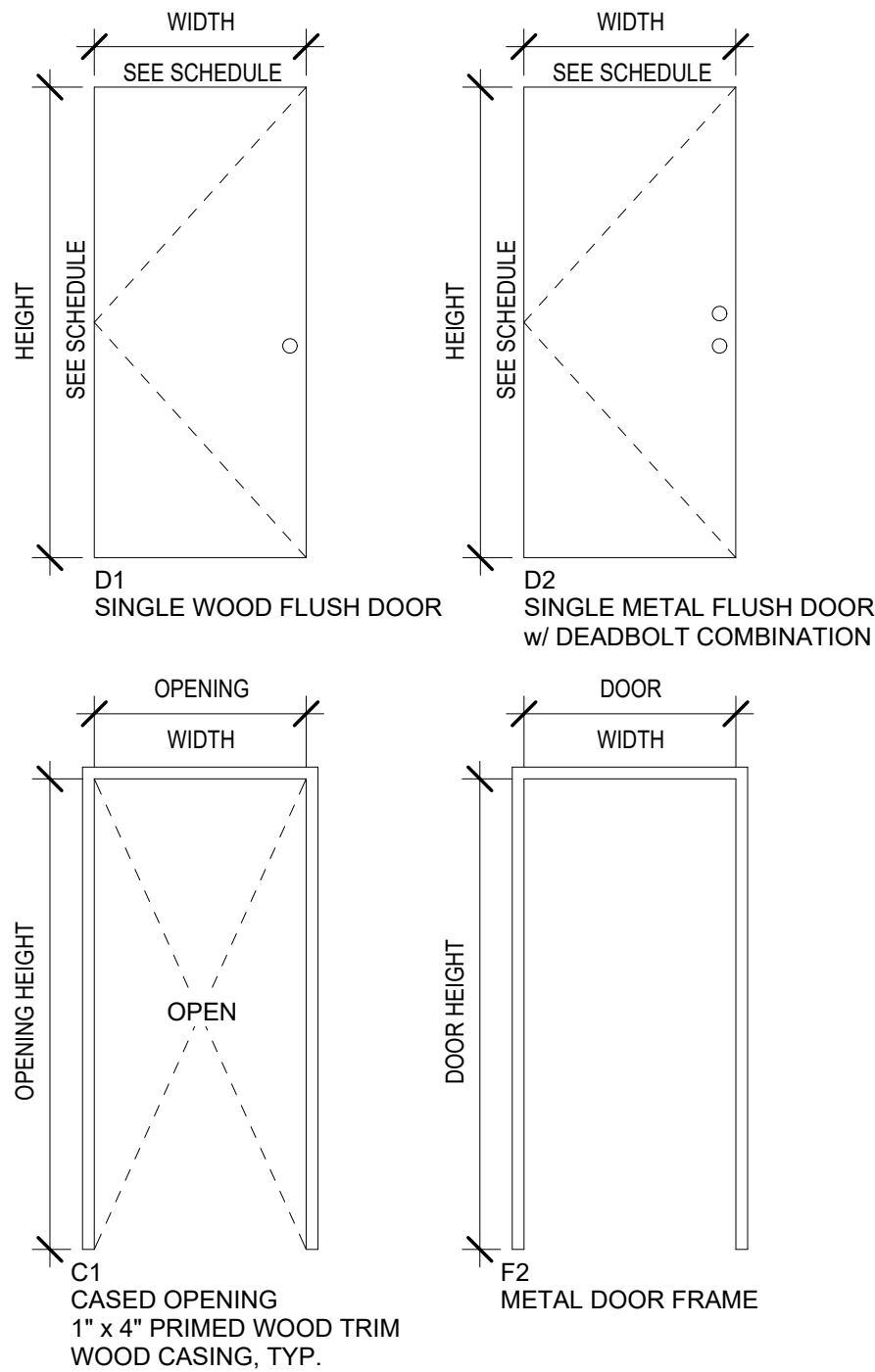
DOOR MATERIAL

- WD SOLID WOOD DOOR, TYP.
HM HOLLOW METAL DOOR, TYP.
CO CASSED-OPENING
GD GLASS DOOR

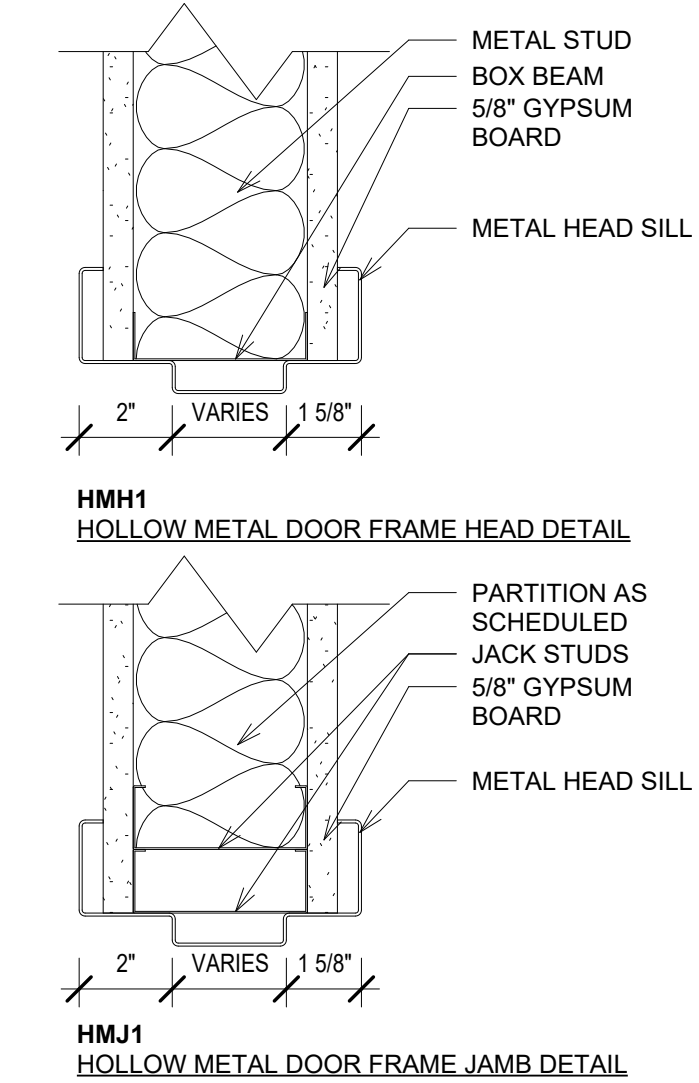
DOOR FINISH

- PT-4 OAK FINISH, TYP.
PT-5 SW 7757 DTM ACRYLIC COATING, SEMI-GLOSS FINISH

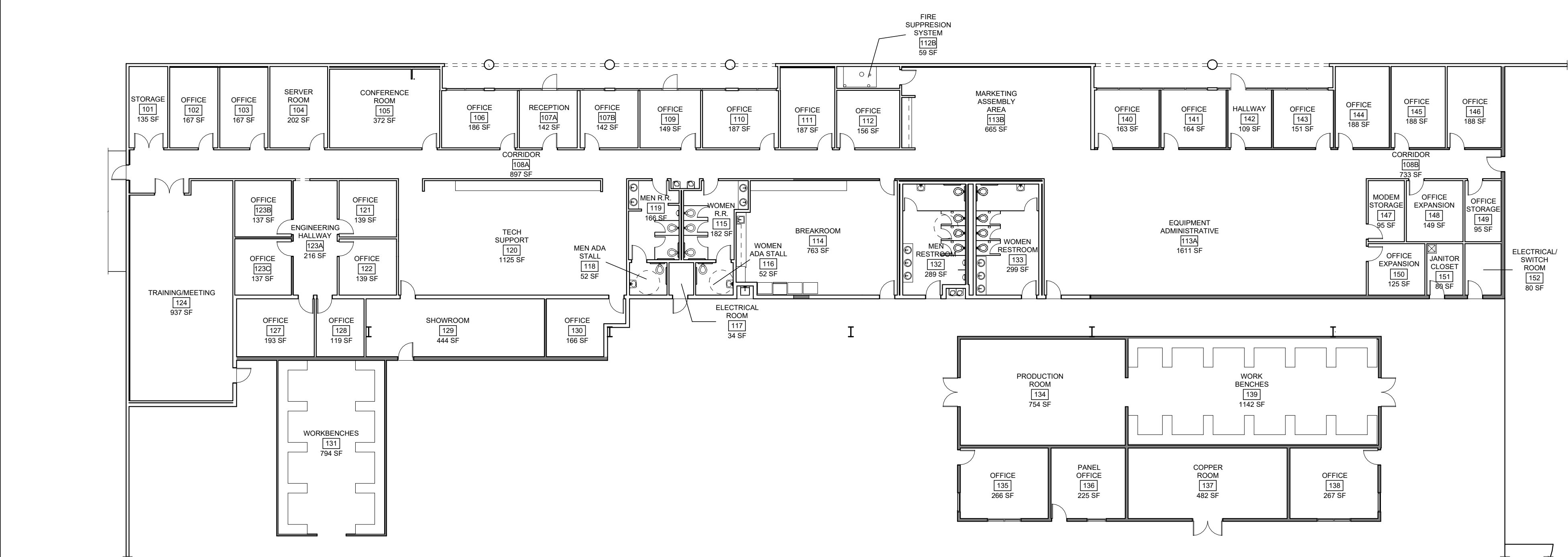
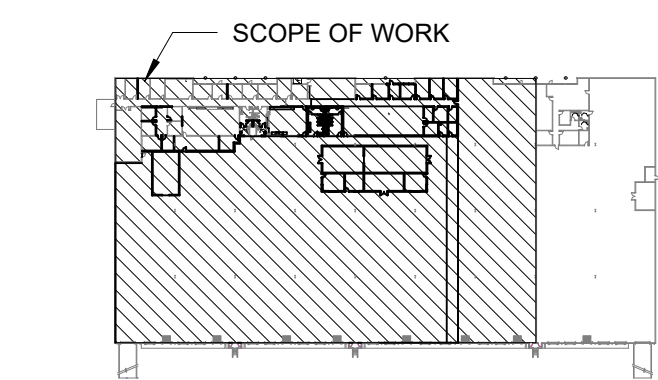
DOOR ELEVATIONS



DOOR FRAME DETAILS



KEY PLAN



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RENOVATION

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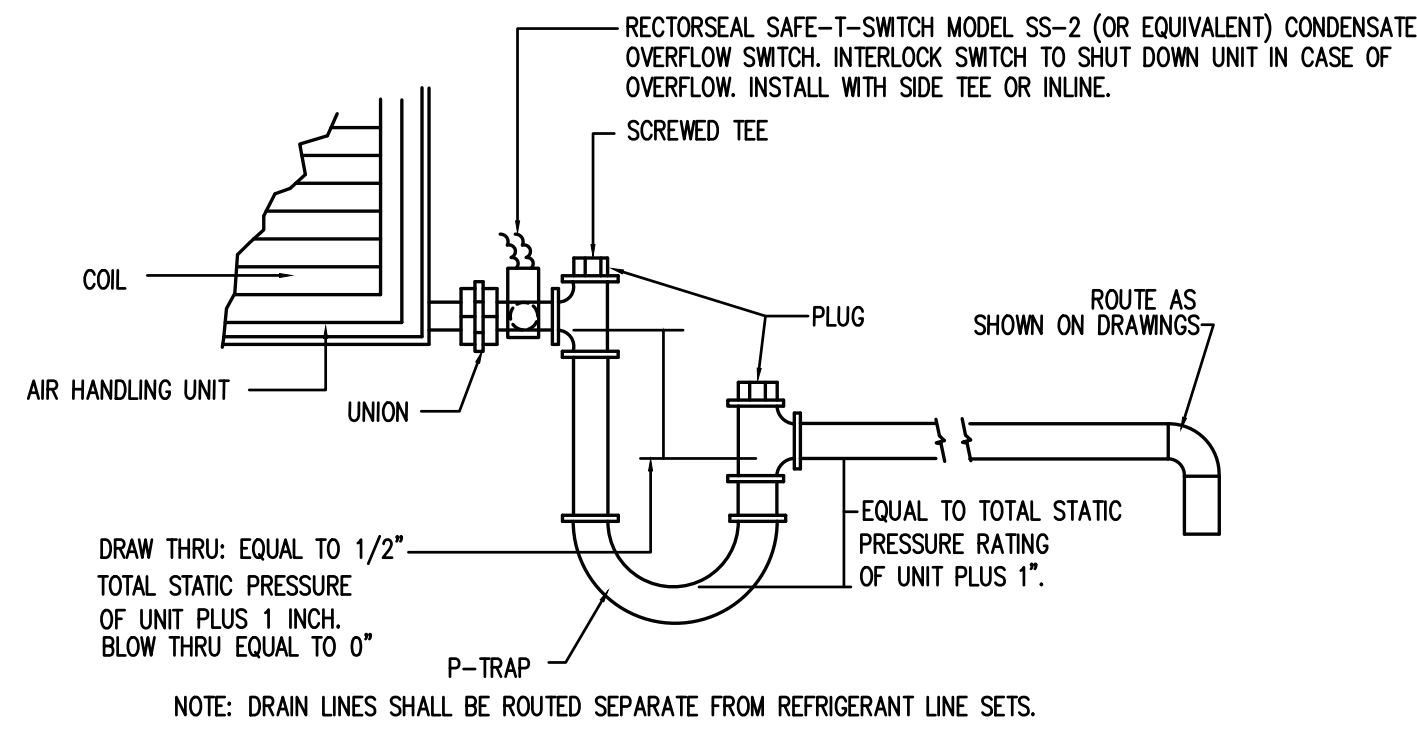
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REVISIONS:		
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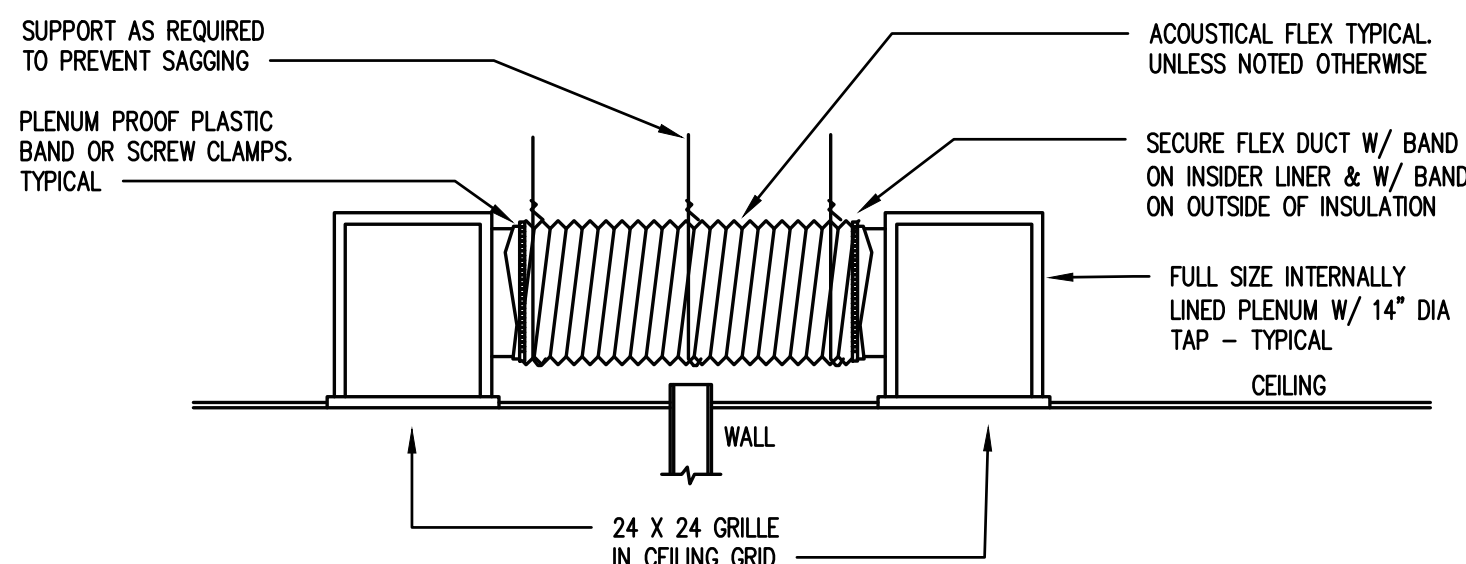
DOOR AND WINDOW
SCHEDULE +
DETAILS

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SHEET NUMBER:

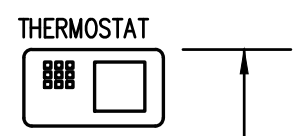
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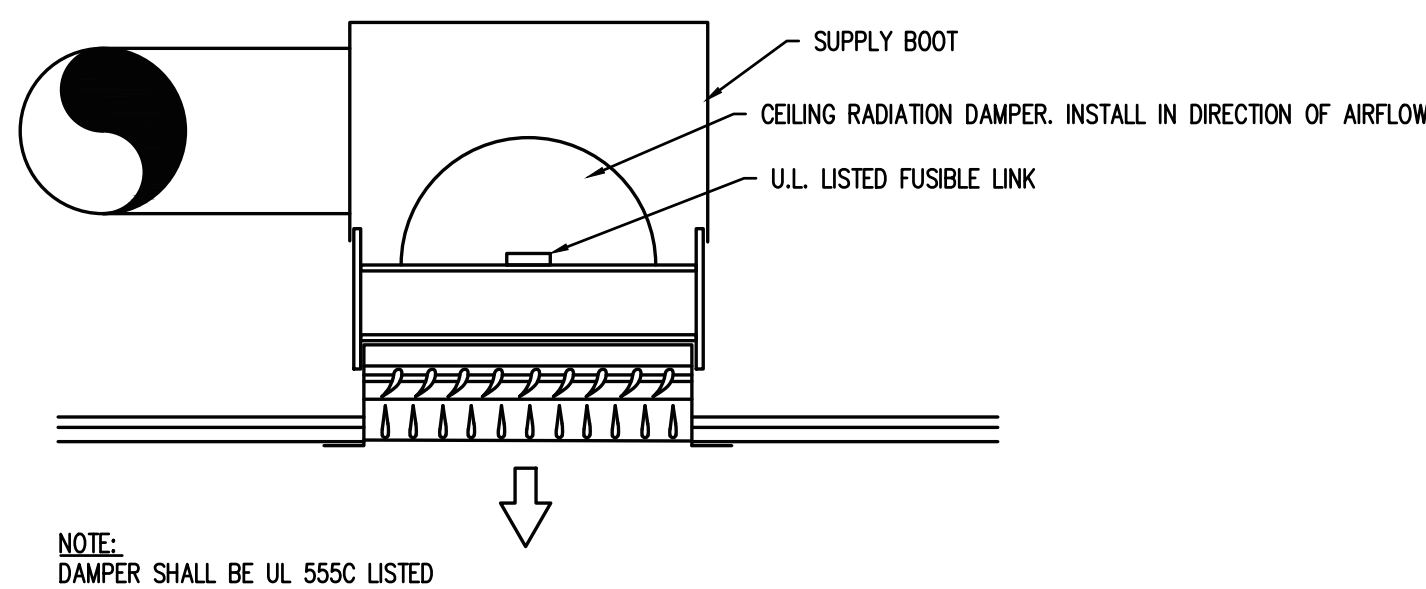
1 CONDENSATE DRAIN DETAIL
SCALE: N.T.S.



2 TRANSFER DUCT
SCALE: N.T.S.



3 T-STAT DETAIL
SCALE: N.T.S.



4 CEILING DIFFUSER IN RATED CEILING ASSEMBLY DETAIL
SCALE: N.T.S.

MECHANICAL SYMBOLS & ABBREVIATIONS LEGEND

	NEW PIPE, DUCTWORK OR EQUIPMENT
	DUCT SIZE: FIRST DIMENSION IS SIDE DRAWN
	FLEXIBLE ROUND DUCTWORK
	FIRE DAMPER, SMOKE DAMPER, SMOKE DETECTOR
	CEILING SUPPLY DIFFUSER
	CEILING RETURN OR EXHAUST AIR
	S.A. DUCT OUT OF TU BOX WITH DUCT LINER FOR THR FIRST FIVE FEET OF DUCT OUT OF TU BOX
	SIDEWALL REGISTER OR GRILLE
	CHANGE IN PIPE OR DUCT SIZE OR SHAPE
	REFRIGERANT PIPING
	CONDENSATE OR OTHER DRAIN PIPING
	ELBOW TURNED DOWN OR TURNED UP IN PIPING
	THERMOSTAT, ARROW SHOWS CONTROL WIRING PATH
	TIME CLOCK
	DIAMETER
	UNDER-CUT DOOR 3/4", UNLESS OTHER SIZE NOTED
	INDICATES EQUIPMENT ON PLANS; TOP ITEM SHOWS TYPE OF EQUIPMENT AND BOTTOM ITEM SHOWS SPECIFIC MARK NUMBER
	ITEM IN HEXAGON SHOWS AIR DEVICE MARK NUMBER, ITEM ABOVE LINE SHOWS NECK SIZE, ITEM BELOW LINE SHOWS AIR FLOW THROUGH DEVICE, AND NUMBER IN FRONT SHOWS QUANTITY IF MORE THAN ONE
	ABOVE FINISHED FLOOR
	AIR HANDLING UNIT
	BYPASS DAMPER
	BTUH, MBH
	CAPACITY
	CFM
	CLG
	CU
	DB, WB
	EA, EG
	EF
	EXT SP
	HP
	MVD, VD
	OA
	RA, RG
	RTU
	SA
	SF
	VAC, PH
	W, KW
	UH
	(A)
	AD
	CONTROL DAMPER-OPPOSED BLADE
	CONTROL DAMPER-PARALLEL BLADE
	BACKDRAFT DAMPER
	RADIUS ELBOW (R=1.5)
	VANED ELBOW
	MANUAL VOLUME DAMPER (MVD), MOTOR OPERATED DAMPER (MOD)
	X INDICATES SECTION NUMBER/XX INDICATES ON WHICH DRAWING SECTION APPEARS

GRAVITY VENTILATOR SCHEDULE

MARK	SERVICE	THROAT AREA SF	INTAKE AREA SF	MAX CFM	GREENHECK MODEL	NOTES
GV-1	EXHAUST	0.82	----	500	GRSR 12	1
1. SPUN ALUMINUM GRAVITY VENTILATOR.						

HEAT PUMP AIR HANDLING UNIT SCHEDULE

MARK	SUPPLY AIR CPM	OUTSIDE AIR CPM	EXT. SP IN. W.G.	EVAP. FAN HP	EVAP. COIL DESIGN CONDITIONS DB F WB F	EVAP. COIL LEAVING AIR DESIGN CONDITIONS DB F WB F	SYSTEM COOLING MAX. REQUIREMENTS (MBH)	SUPPL. HEAT KW	WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES
AH-1	1,050	190	0.60	1/2	78.3 65.3	55.0 54.0	32.7 23.1	7.5	250	208/1	FTSANKC36L	1:2:3:4:5:6:7:8:9:10
AH-2	1,050	190	0.60	1/2	78.3 65.3	55.0 54.0	32.7 23.1	7.5	250	208/1	FTSANKC36L	1:2:3:4:5:6:7:8:9:10
AH-3	1,400	110	0.60	3/4	76.4 63.7	55.0 54.0	45.2 30.3	7.5	250	208/1	FTSANKC48L	1:2:3:4:5:6:7:8:9:10
AH-4	1,750	200	0.60	3/4	77.1 64.3	55.0 54.0	54.3 37.3	7.5	250	208/1	FTSANBD60L	1:2:3:4:5:6:7:8:9:10
AH-5	1,750	200	0.60	3/4	77.1 64.3	55.0 54.0	54.3 37.3	7.5	250	208/1	FTSANBD60L	1:2:3:4:5:6:7:8:9:10

- UNIT AT 208/1# AUXILIARY HEATER AT 208/1# UNIT SHALL HAVE SINGLE POINT CONNECTION. AIR-HANDLING UNIT WITH ECM MOTOR.
- VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
- PROVIDE AIR FILTERS, DUCT CONNECTIONS AND VIBRATION ISOLATION. PROVIDE PROGRAMMABLE THERMOSTAT AND SUPP. ELEC. HEAT MODULE CONNECTED TO UNIT FOR SINGLE POINT OF CONNECTION.
- PROVIDE CONDENSATE TRAP(S) AS RECOMMENDED BY MANUFACTURER AND ROUTE CONDENSATE PIPING TO OUTSIDE.
- PROVIDE AUXILIARY DRAIN PAN UNDER THE AIR HANDLERS WITH FLOAT ACTIVATED SWITCH TO SHUT THE UNIT DOWN INCASE OF CONDENSATE OVERFLOW. REFER TO DETAIL PROVIDED.
- PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT OF AIR-HANDLING UNIT.
- FLOAT ACTIVATED CONDENSATE SWITCH SHALL BE PROVIDED AND INSTALLED BY HVAC CONTRACTOR. DUCT SMOKE DETECTORS SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY HVAC CONTRACTOR.
- PROVIDE COIL OUTLET SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW. WIRE COIL OUTLET SWITCH IN SERIES WITH AUXILIARY CONDENSATE SWITCH LOCATED IN DRAIN PAN.
- PROVIDE ONE GLOBAL PLASMA IONIZATION SYSTEM PER UNIT. PROVIDE MERV 8 FILTER.
- UNIT SHALL HAVE MANUFACTURER'S REFRIGERANT LEAK DETECTION DISSIPATION SYSTEM.

AIR COOLED HEATPUMP UNIT SCHEDULE

MARK	AHU SERVED	HEAT PUMP HEATING CAP (MBH)	SEER2	HSPF2	NOM. CAP. (TONS)	REFRIG	OA TEMP SUMMER (DB)	OA TEMP WINTER (DB)	WEIGHT (LBS)	POWER VAC/PH	BASIS OF DESIGN CARRIER	NOTES
HP-1	AH-1	25.6	15.2	8.1	3.0	R454B	96	23	400	208/1	Z7TPA836A003	1:2:3:4:5:6
HP-2	AH-2	25.6	15.2	8.1	3.0	R454B	96	23	400	208/1	Z7TPA836A003	1:2:3:4:5:6
HP-3	AH-3	34.3	17.0	8.1	4.0	R454B	96	23	400	208/1	Z7TPA848A003	1:2:3:4:5:6
HP-4	AH-4	41.1	17.5	8.1	5.0	R454B	96	23	400	208/1	Z7TPA860A003	1:2:3:4:5:6
HP-5	AH-5	41.1	17.5	8.1	5.0	R454B	96	23	400	208/1	Z7TPA860A003	1:2:3:4:5:6

- PROVIDE WITH DEFROST CONTROLS, LOW AMBIENT HEAD PRESSURE CONTROLS, AND ANTI-SHORT CYCLE TIMER. PROVIDE COIL GUARD.
- VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
- PROVIDE LIQUID LINE SOLENOID, CRANKCASE HEATER, TXV, START CAPACITOR AND RELAY AS RECOMMENDED BY MANUFACTURER FOR LONG LINE APPLICATIONS.
- PROVIDE MOUNTING PAYS AS PER DETAIL PROVIDED.
- 2-STAGE COMPRESSOR UNIT.
- PROVIDE LONG LINE ACCESSORIES PER NOTE 3 WHERE REFRIGERANT PIPE LENGTHS EXCEEDS 80-EQUIVLENT FEET.

SELF-CLEANING IONIZATION SYSTEM SCHEDULE

AIRFLOW CAPACITY MIN-MAX CFM	BASIS OF DESIGN GLOBAL PLASMA SOLUTIONS	NOTES
0-2400	GPS-FC24-AC	1:2:3:4:5:6

- ONE SELF-CLEANING IONIZATION SYSTEM SHALL BE INSTALLED PER SYSTEM.
- UNIT SHALL BE EQUIPPED WITH UNIVERSAL VOLTAGE INPUT, IN-LINE ON-OFF SWITCH, PROGRAMMABLE AUTO-CLEANING CYCLE.
- UNIT SHALL BE EQUIPPED WITH PLASMA ON INDICATION LIGHT, ALARM CONTACTS, MAGNETS, AND CARBON FIBER BRUSH EMITTERS.
- SYSTEM SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- USE THIS SYSTEM FOR UP TO 5-TON AIR HANDLING UNITS. (AH-1 THRU 5)
- INTERLOCK IONIZATION SYSTEM TO RUN WITH EVAPORATOR FAN.

MINI SPLIT & HEAT PUMP FAN COIL SYSTEM SCHEDULE

OUTDOOR UNIT MARK	INDOOR UNIT MARK	MIN COOLING MBH	MIN HEATING MBH @ 47F	SUPPLY AIR CPM	POWER VAC/PH	SEER2	HSPF2	CARRIER MODEL #	SERVES	NOTES
HPU-1	ACU-1	18.0	18.0	635	208/1	23.5	10.8	37MARAQ18AA3 45MAHAQ18XA3	153 ELECTRICAL/SWITCH ROOM	1:2:3:4:5:6:7:8

- VERIFY ELECTRICAL POWER REQUIREMENTS WITH ELECTRICAL PLANS WHICH TAKES PRECEDENCE OVER THIS INFORMATION.
- MINI SPLIT SYSTEM MOUNTED ON WALL (SEE PLANS). PROVIDE MANUFACTURER'S WIRED REMOTE CONTROL(7 DAY PROGRAMMABLE) MODEL KSAON1401AA.
- ROUTE CONDENSATE TO THE MOP SINK LOCATED AT 152 JANITOR CLOSET. COORDINATE WITH PLUMBING.
- PROVIDE LONG LINE ACCESSORIES PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE DISCONNECT AND ELECTRICAL CONNECTION TO OUTDOOR UNIT PER MANUFACTURER'S INSTRUCTIONS.
- CONTRACTOR MUST COORDINATE EXACT LOCATION OF DRAIN IN THE FIELD WITH PLUMBING CONTRACTOR. MECHANICAL MUST ROUTE CONDENSATE TO APPROPRIATE LOCATION OF DISPOSAL.
- PROVIDE FLOAT ACTIVATED CONDENSATE PUMP TO PUMP CONDENSATE DOWN TO DRAIN WHERE REQUIRED.
- PROVIDE RECTOR SEAL, SMOKE CONDENSATE OVERFLOW SWITCH TO SHUT UNIT DOWN IN CASE OF CONDENSATE OVERFLOW.

FAN SCHEDULE

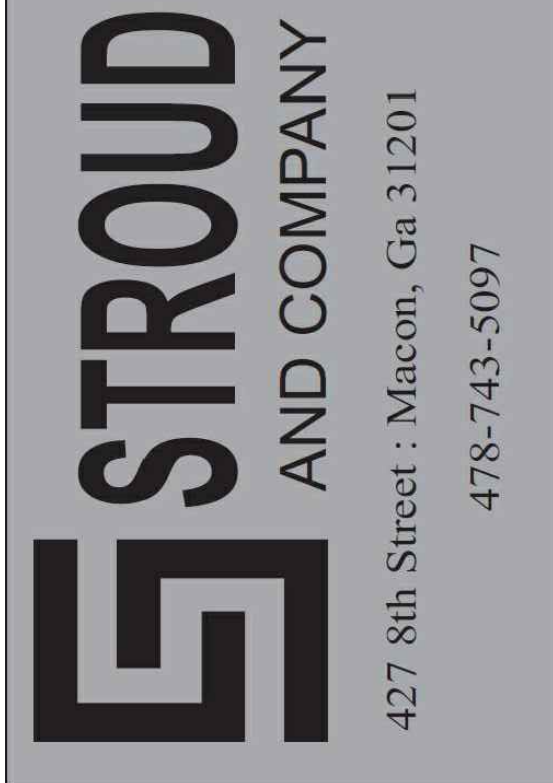
MARK	CFM	EXT. SP IN. W.G.	DRIVE TYPE	MOTOR (HP/W)	MAX FAN (RPM)	MAX SONES	POWER/ PHASE	BASIS OF DESIGN	SERVES	NOTES
EF-1	500	0.40	DIRECT	140.0 W	1,310	1.4	115/1	GREENHECK CSP-AS10-VG	133 MEN RESTROOM & 134 WOMEN RESTROOM	1:6:7:8
EF-2	70	0.25	DIRECT	20.0 W	690	1.3	115/1	GREENHECK SP-B90	152 JANITOR CLOSET	1:2:3:4:5

- VERIFY ELECTRIC POWER REQUIREMENTS WITH ELECTRICAL PLANS, WHICH TAKE PRECEDENCE OVER THIS INFORMATION.
- INTERLOCK FAN WITH LIGHTS SUCH THAT FAN COMES ON WHEN LIGHTS ARE ON. ELECTRICAL TO PROVIDE 15 MINUTE TIME DELAY.
- PROVIDE FACTORY SOLID STATE FAN SPEED CONTROLLER.
- DIRECT DRIVE CENTRIFUGAL CEILING FAN. PROVIDE FACTORY SUPPLIED DISCONNECT, BACK DRAFT DAMPER AND MOTOR WITH THERMAL OVERLOAD.
- PROVIDE MANUFACTURER'S DESIGNER GRILLE.
- FAN SHALL BE CONTROLLED BY 365 DAY DIGITAL TIME CLOCK. REFER TO DRAWING FOR LOCATION. TIME CLOCK SHALL BE PROVIDED BY ELECTRICAL AND INSTALLED BY MECHANICAL.
- INLINE CABINET FAN. PROVIDE FACTORY SUPPLIED DISCONNECT, VARI-GREEN EC MOTOR, AND OUTLET DUCT COLLAR WITH INTEGRAL BACK DRAFT DAMPER.
- PROVIDE MANUFACTURER'S VARI-GREEN DIAL ON MOTOR, ADJUSTABLE EASY INSTALLATION MOUNTING BRACKETS, AND ISOLATION KIT.

AIR DEVICE SCHEDULE

MARK	SERVICE	NECK SIZE	FACE SIZE	MATERIAL	TYPE	PATTERN	MOUNTING TYPE	LAYOUT BASIS TITUS	NOTES
S1	SUPPLY	SEE PLANS	24" X 24"	STEEL	SQUARE CONC.	4-WAY	LAY-IN	TMS	1:2:4
S2	SUPPLY	SEE PLANS	NECK SIZE + 1-1/4"	STEEL	STAMPED FACE REGISTER	3-WAY	SURFACE	METAL-FAB MFCRW3	1:2:4:5:6
R1	RETURN	SEE PLANS	24"x24"	ALUMINUM	EGGCRATE	----	LAY-IN	50F	1:3
R2	RETURN	SEE PLANS	NECK SIZE + 1-3/4"	STEEL	FIXED BLADE	----	SURFACE	METAL-FAB MFRG	1:3:6
E1	EXHAUST	SEE PLANS	12" X 12"	ALUMINUM	EGGCRATE	----	LAY-IN	50F	1:3:4

- PROVIDE STANDARD WHITE FINISH.
- INSULATE BACK OF DEVICE.
- PROVIDE FULL SIZE LINED SHEET METAL PLENUM ON TOP OF GRILLE FOR CONNECTION.
- BALANCE AIRFLOW TO QUANTITY SHOWN.
- PROVIDE ALUMINIZED FACE OPERATED DAMPER THAT IS ACCESSIBLE FROM THE FACE OF REGISTER/DIFFUSER.
- PROVIDE FIRE RADIATION DAMPER FOR CEILING GRILLE. REFER TO DRAWING FOR FURTHER INFORMATION.



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MACON, GA 31217

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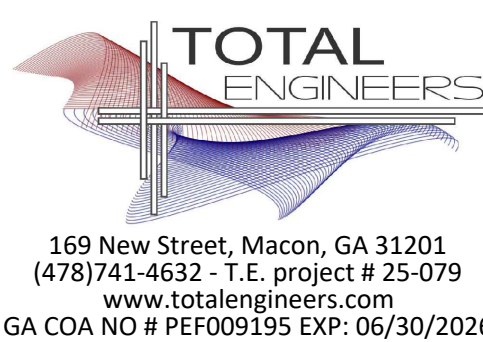
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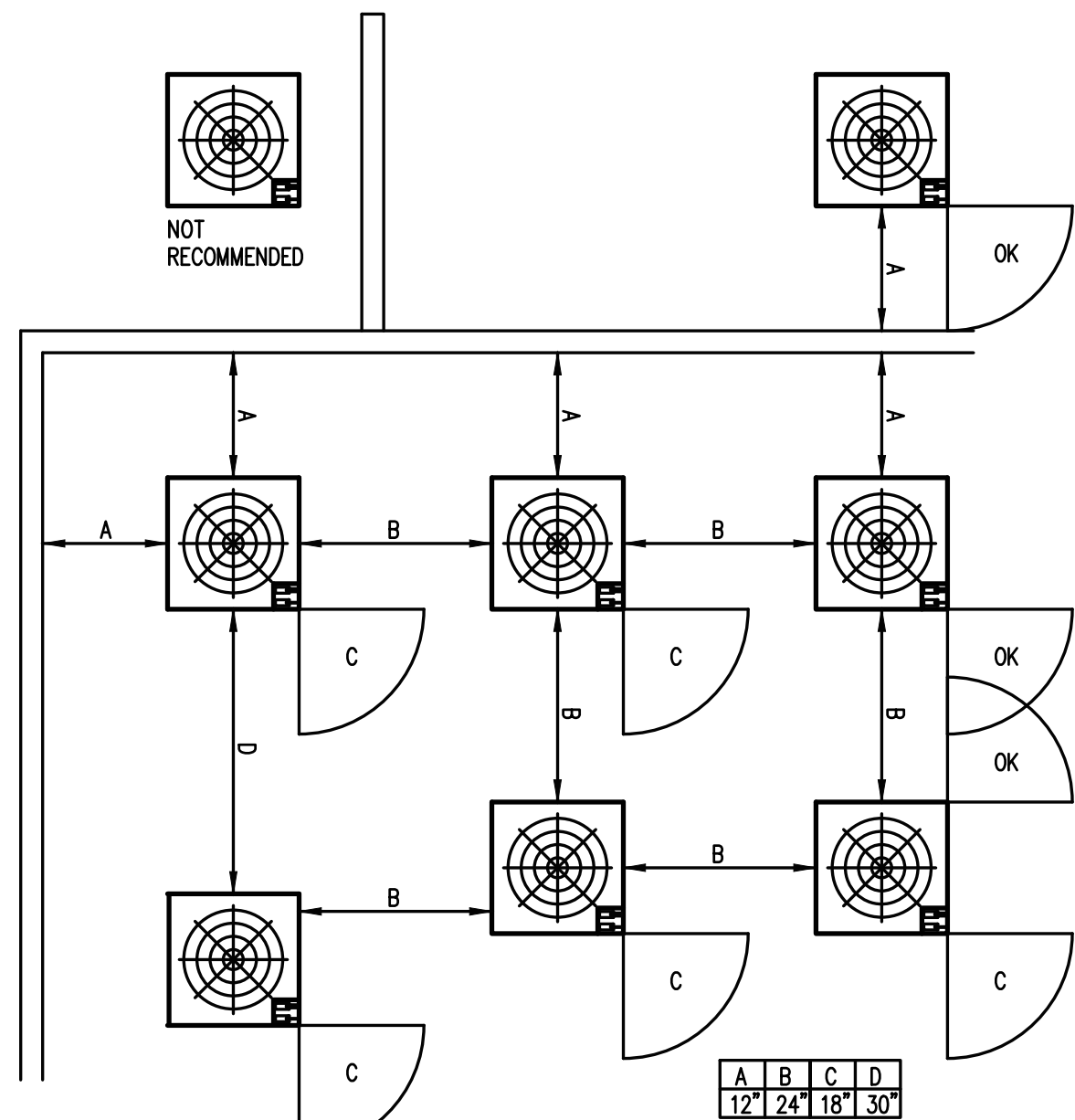
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MECHANICAL
SCHEDULES

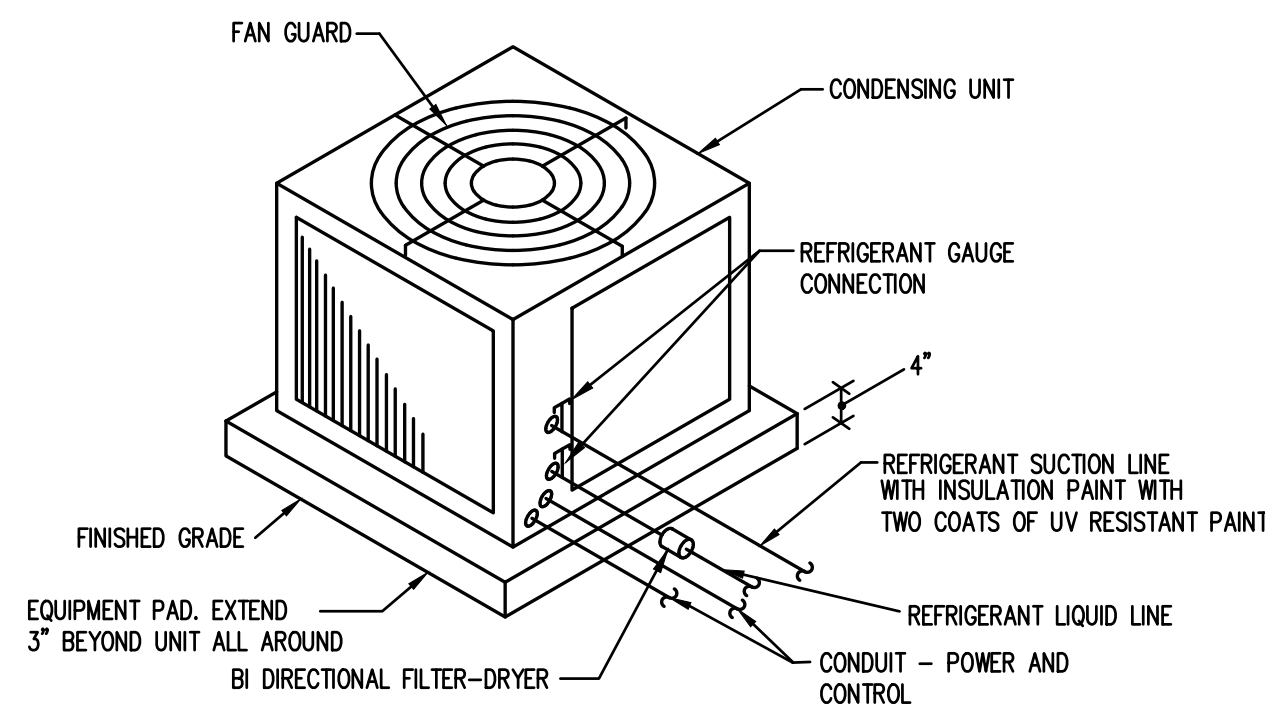
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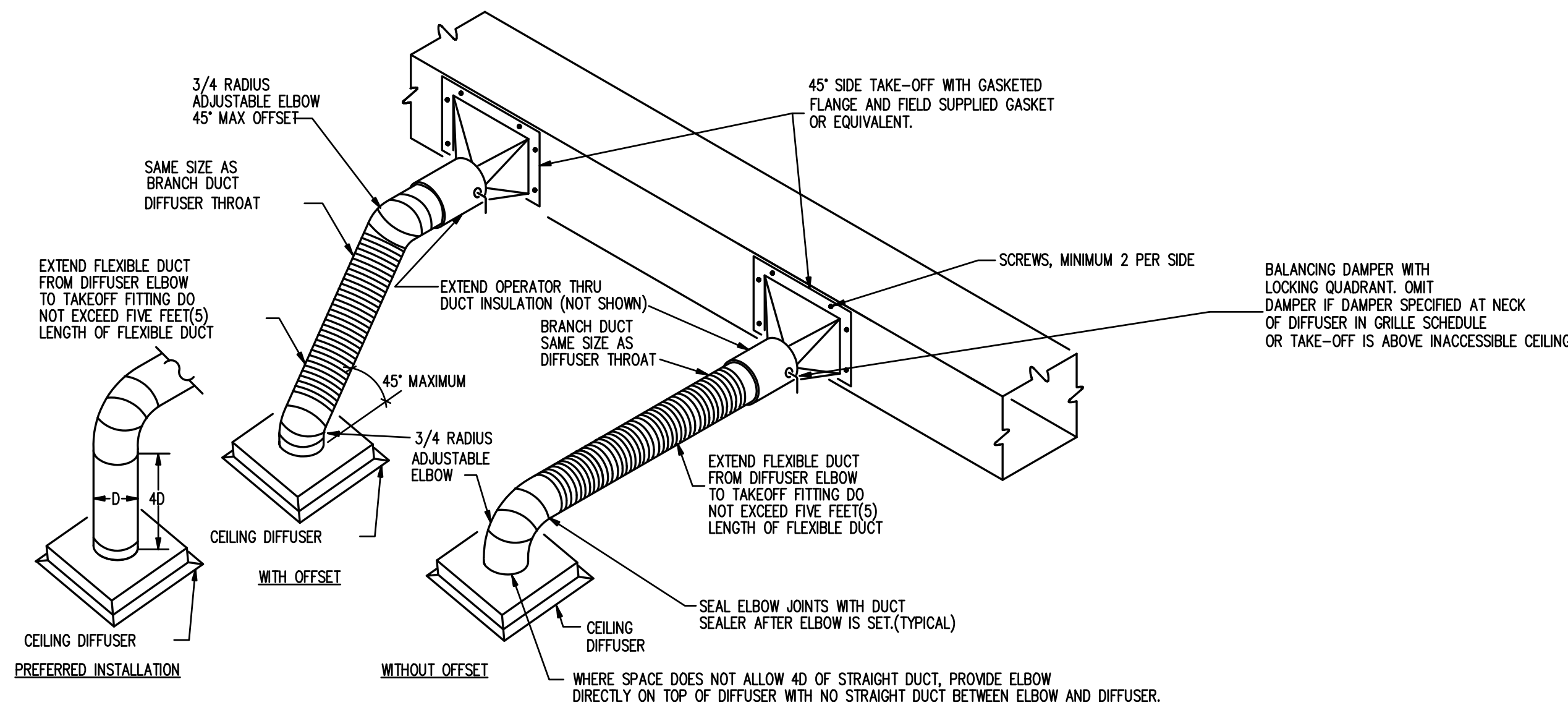


1 CONDENSER SPACING DETAIL
SCALE: N.T.S.

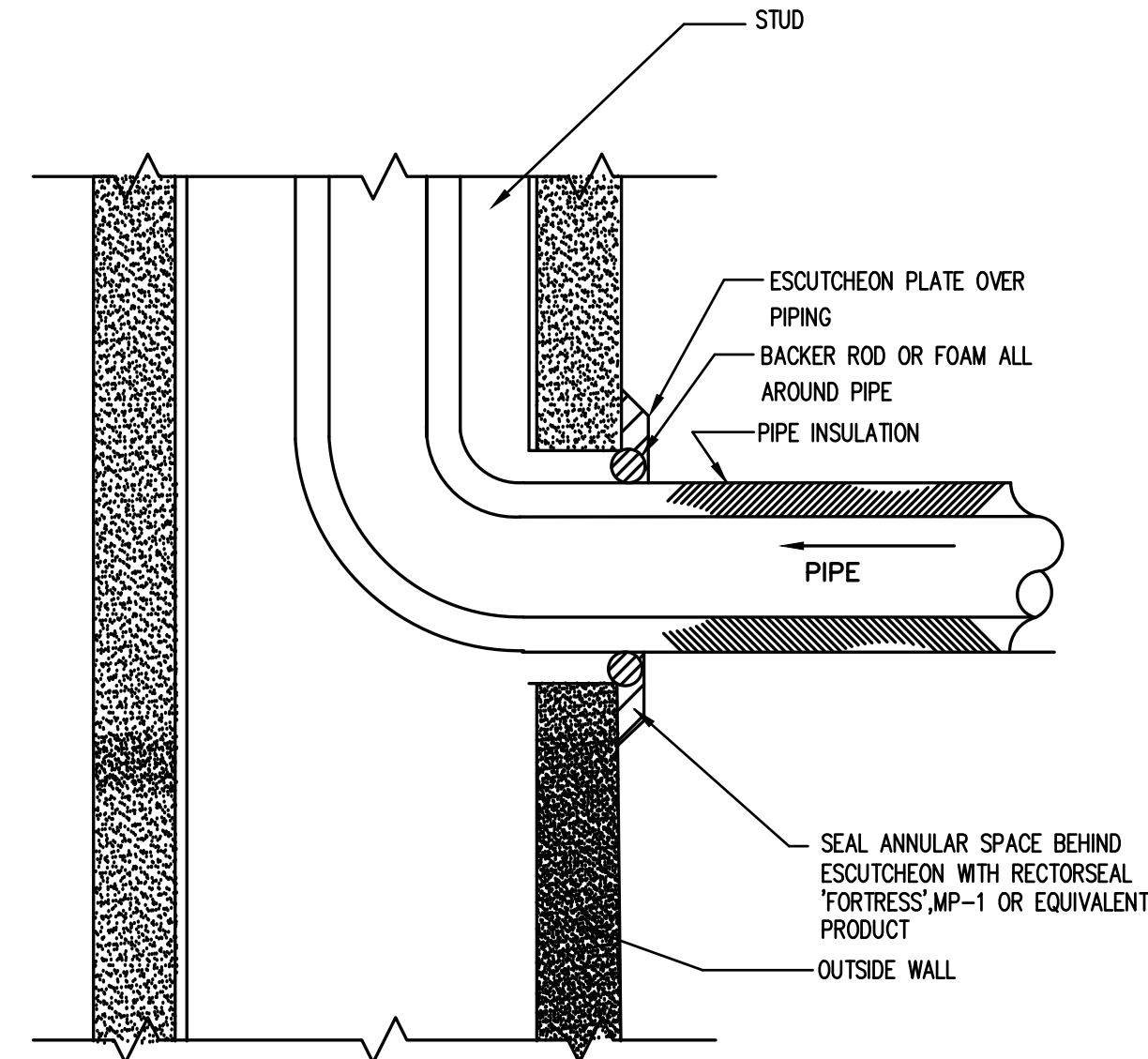


NOTE: 1) THIS DETAIL IS FOR HEAT PUMP UNIT 5 TONS AND UNDER.
2) PROVIDE 4"x4" WELDED WIRE MESH REINFORCING AT CENTER LINE FOR THE CONCRETE PAD.
3) PAD MAY BE PREFABRICATED DIVERSITECH ULTRALITE EQUIPMENT PAD OR EQUIVALENT.

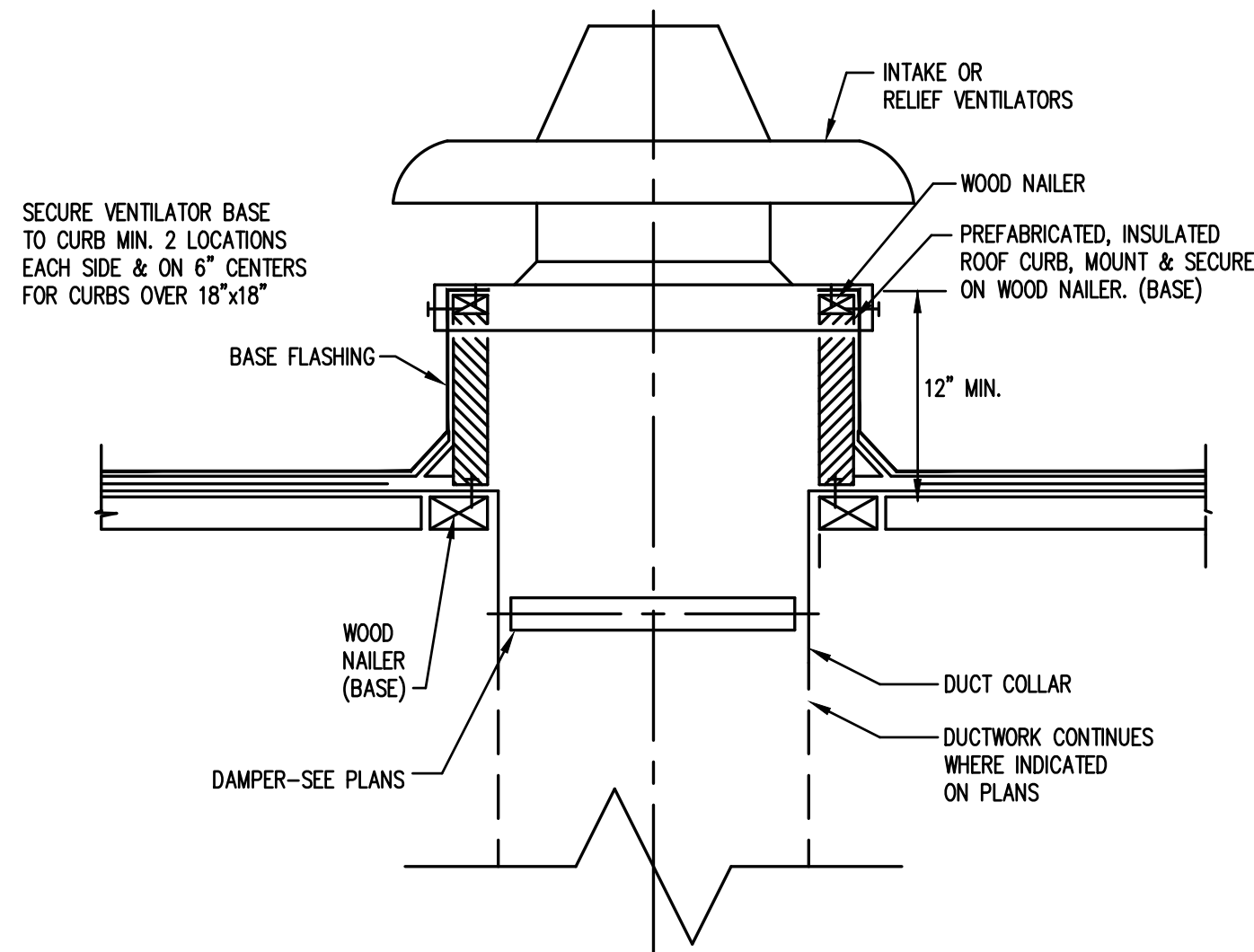
4 AIRCOOLED CONDENSING UNIT SLAB MOUNTED
SCALE: N.T.S.



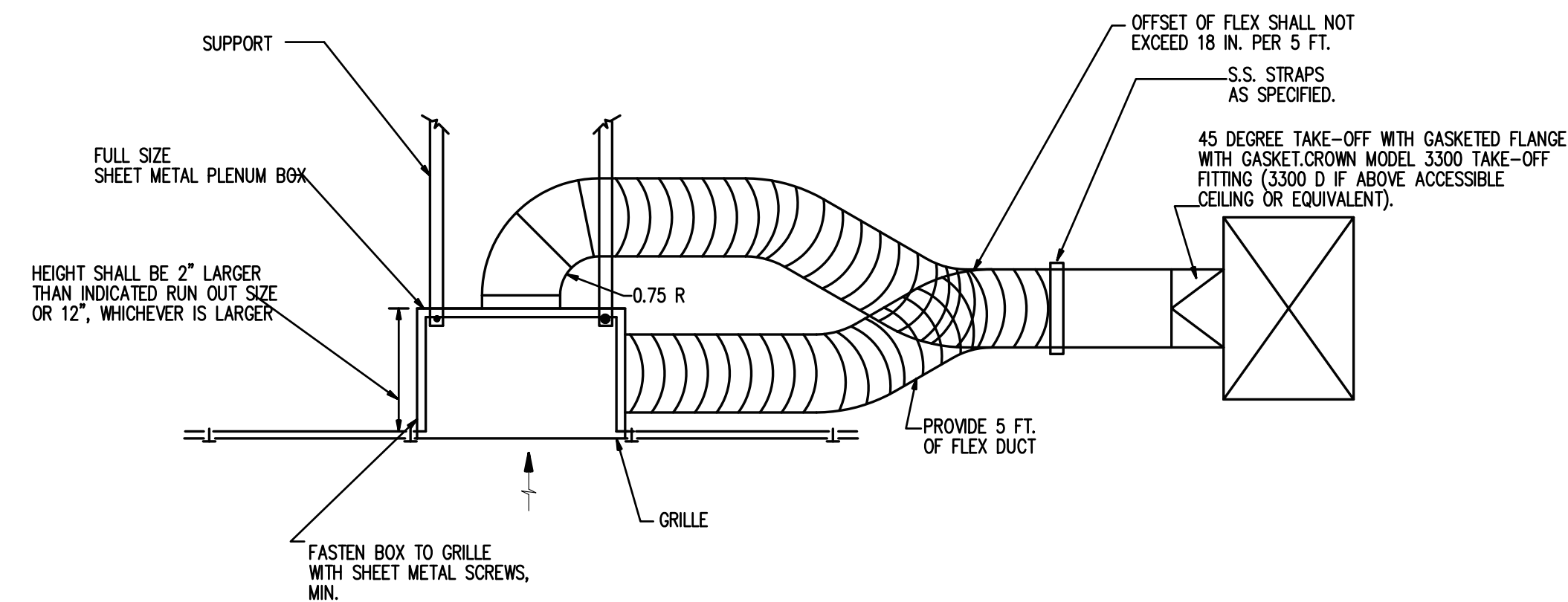
2 DIFFUSER RUN OUT DETAIL
SCALE: N.T.S.



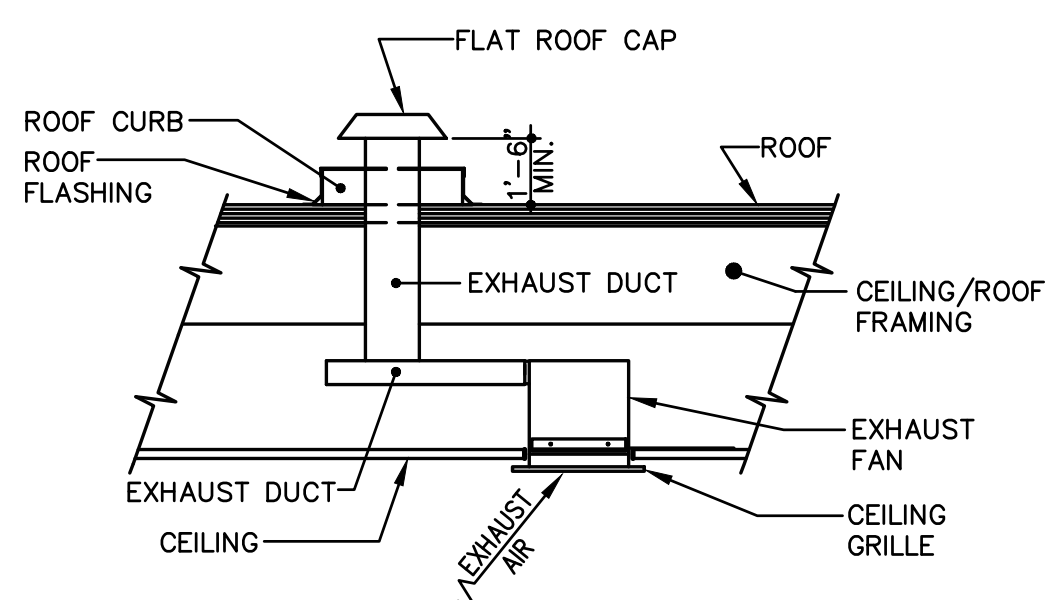
3 REFRIGERANT PIPE SLEEVE THROUGH WALL DETAIL
SCALE: N.T.S.



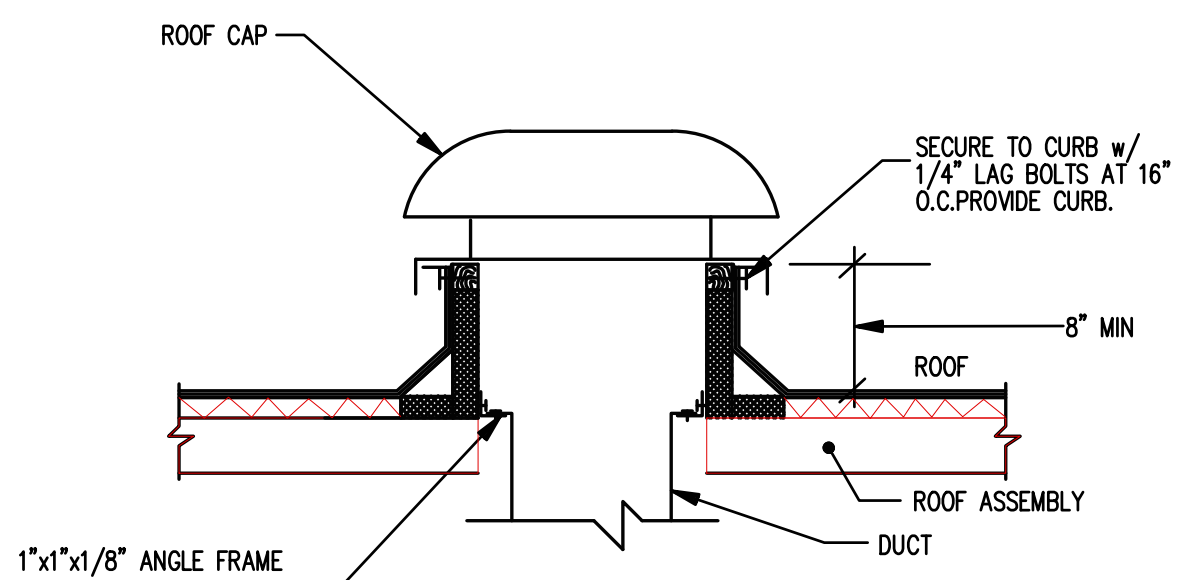
5 ROOF INTAKE VENTILATOR DETAIL
SCALE: N.T.S.



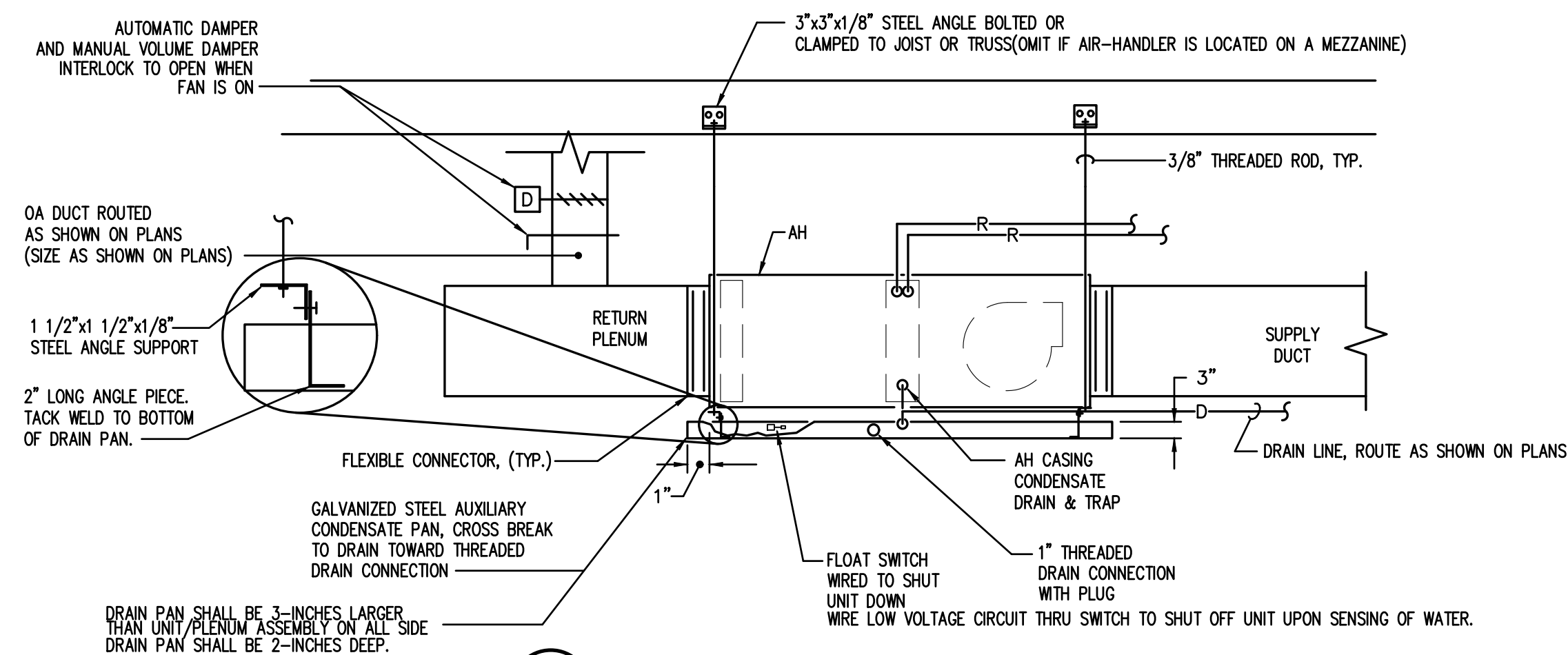
6 TYPICAL GRILLE WITH LINED PLENUM DETAIL
SCALE: N.T.S.



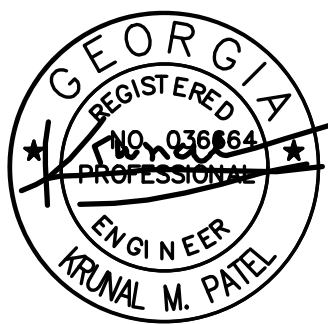
7 CEILING EXHAUST FAN DETAIL
SCALE: N.T.S.



8 ROOF CAP DETAIL
SCALE: N.T.S.



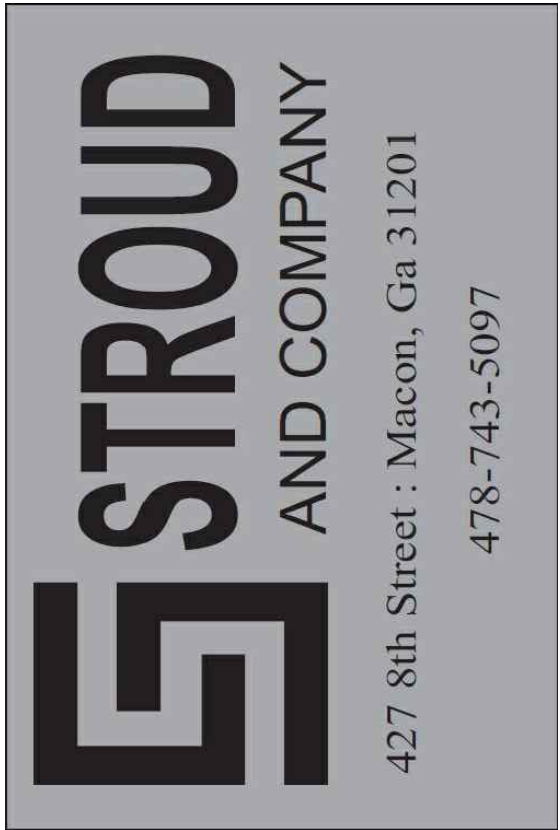
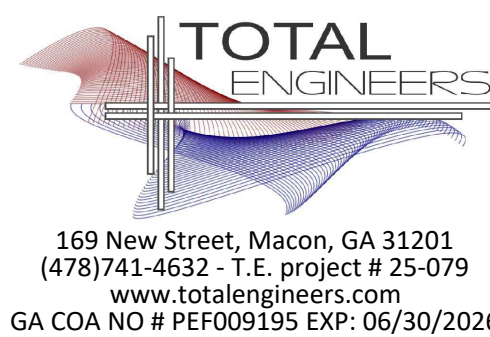
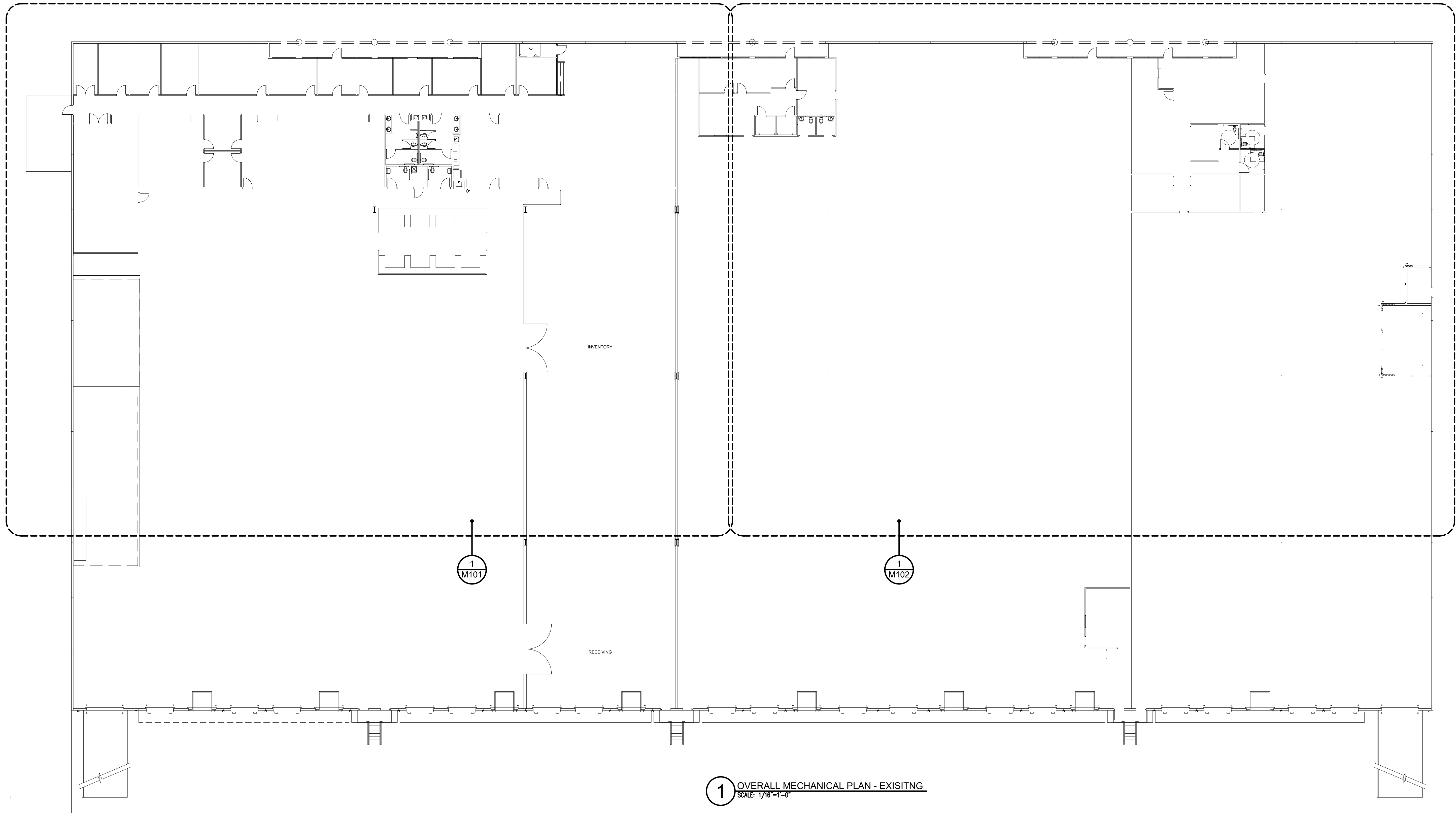
9 AHU WITH AUXILIARY CONDENSATE PAN
SCALE: N.T.S.



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No.	ISSUE	

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PROJECT NUMBER: 24-123

SHEET NUMBER:

M100

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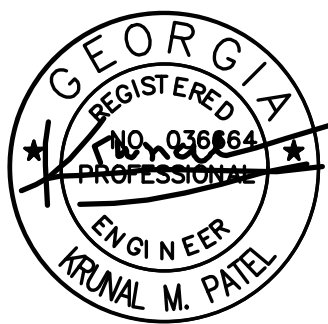
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INTERIOR RENOVATION**

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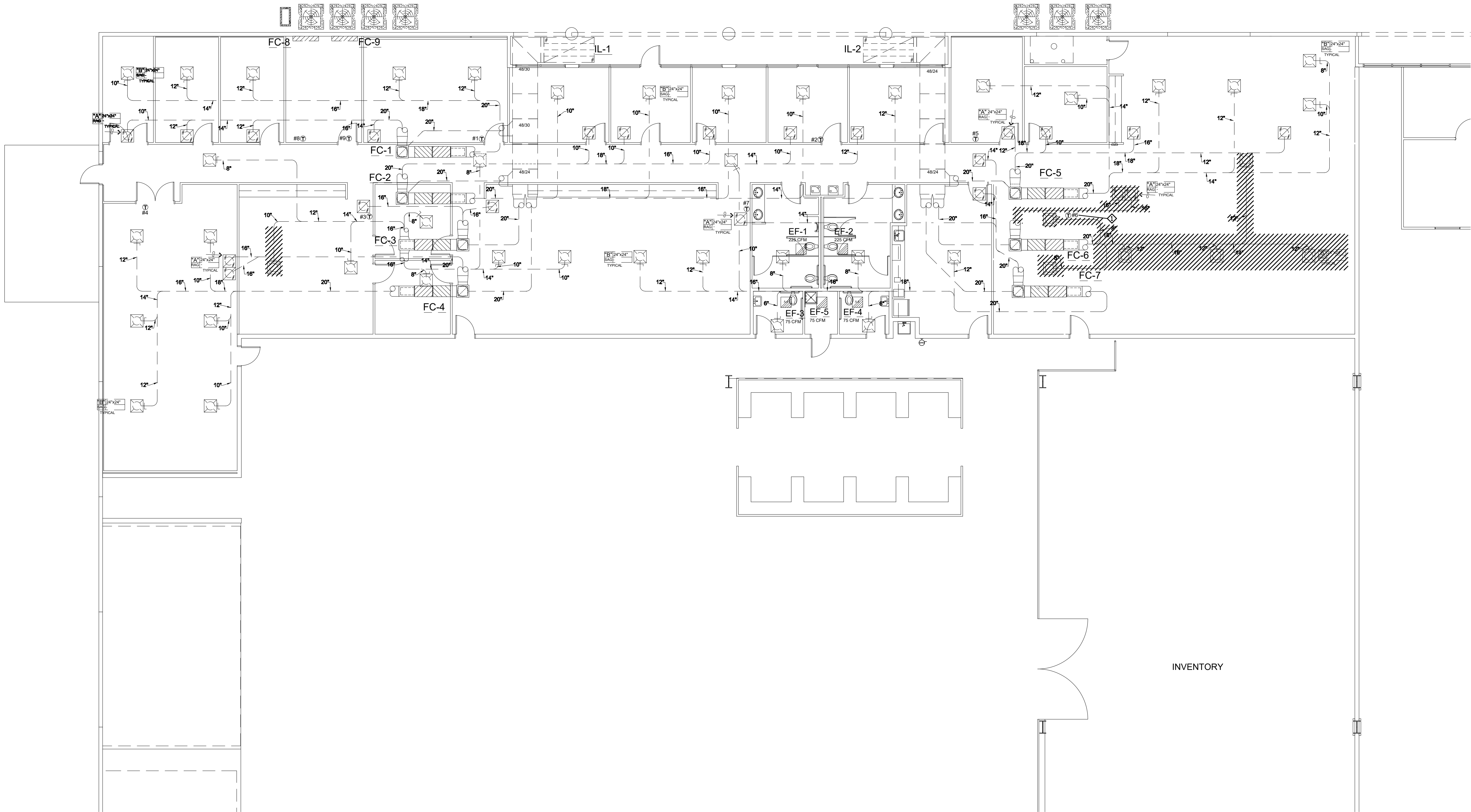
PROJECT NUMBER: 24-123
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M101

LINE LEGEND	
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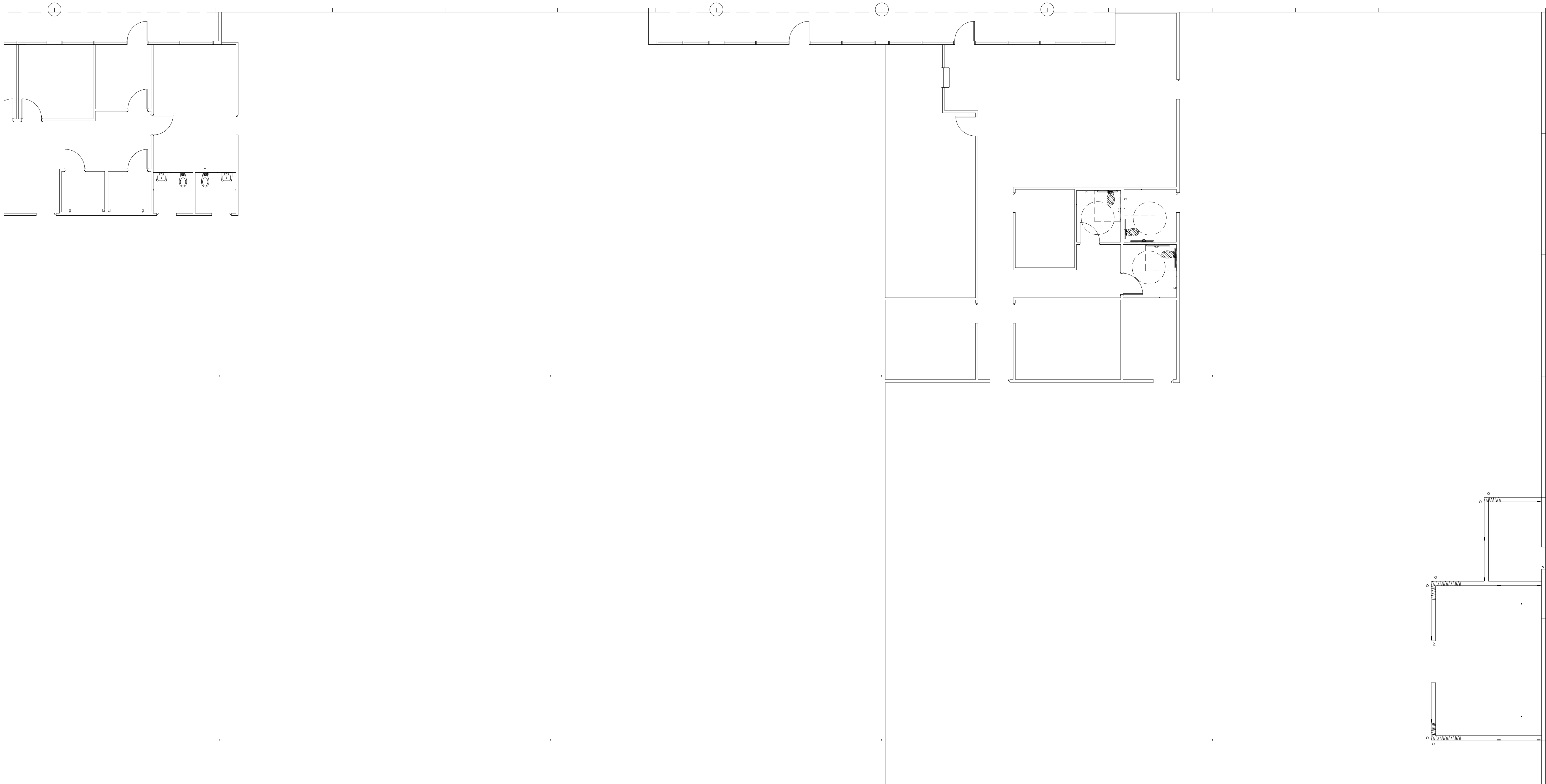
KEY NOTES(THIS SHEET ONLY):

RELOCATE THERMOSTAT. REFER TO NEW WORK PLAN FOR NEW LOCATION.

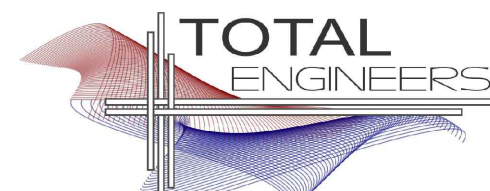


1 ENLARGED MECHANICAL PLAN - EXISTING
SCALE: 1/8"=1'-0"

PLOT DATE:



1 ENLARGED MECHANICAL PLAN - EXISTING
SCALE: 1/8"=1'-0"



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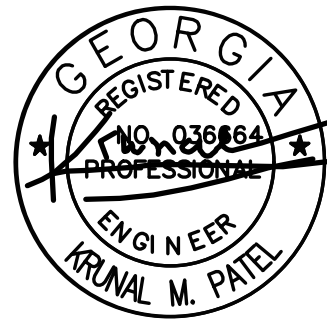


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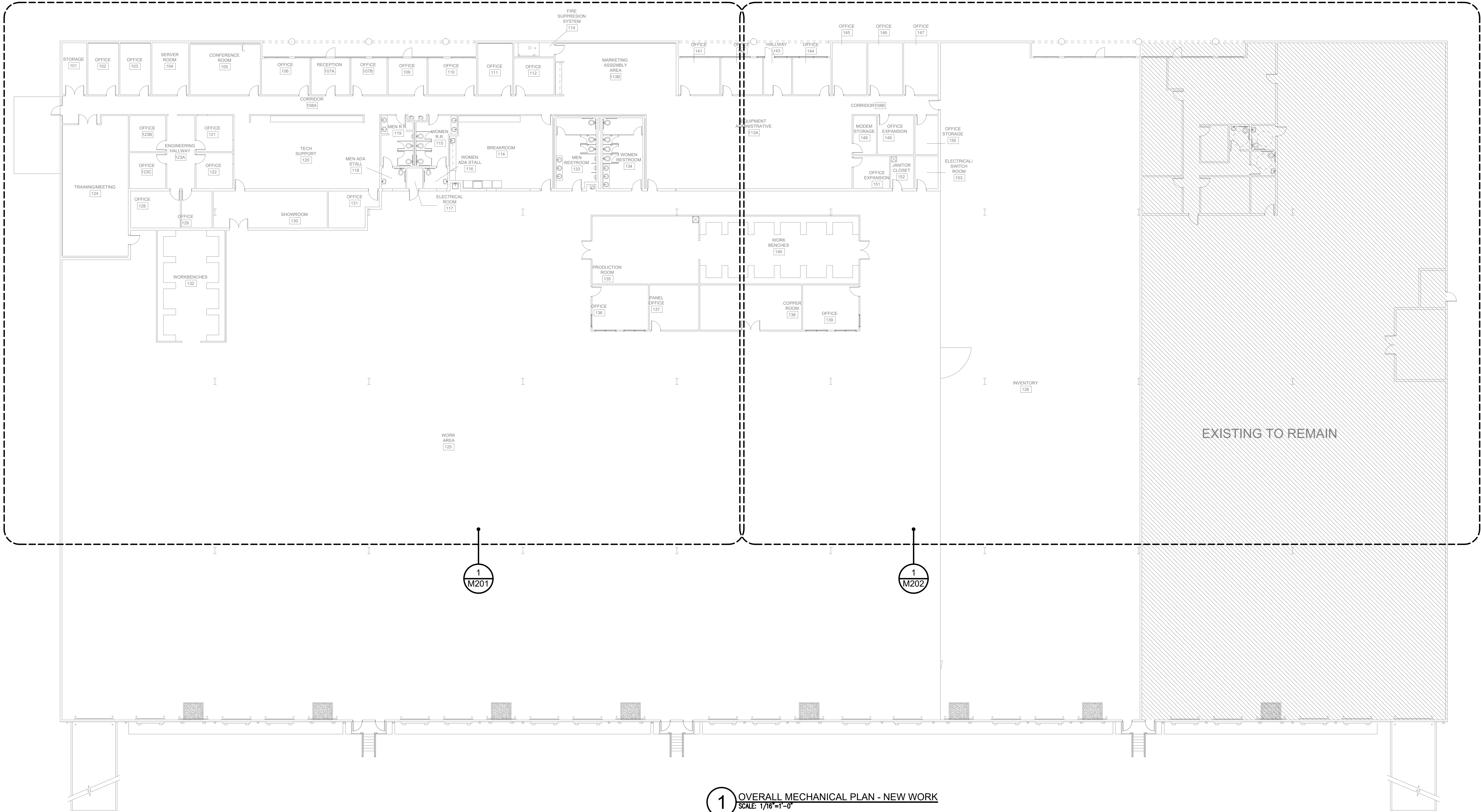
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M102



1 OVERALL MECHANICAL PLAN - NEW WORK
SCALE: 1/16\"/>

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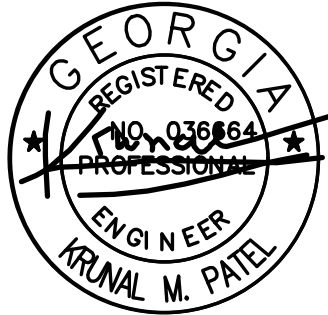
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M200

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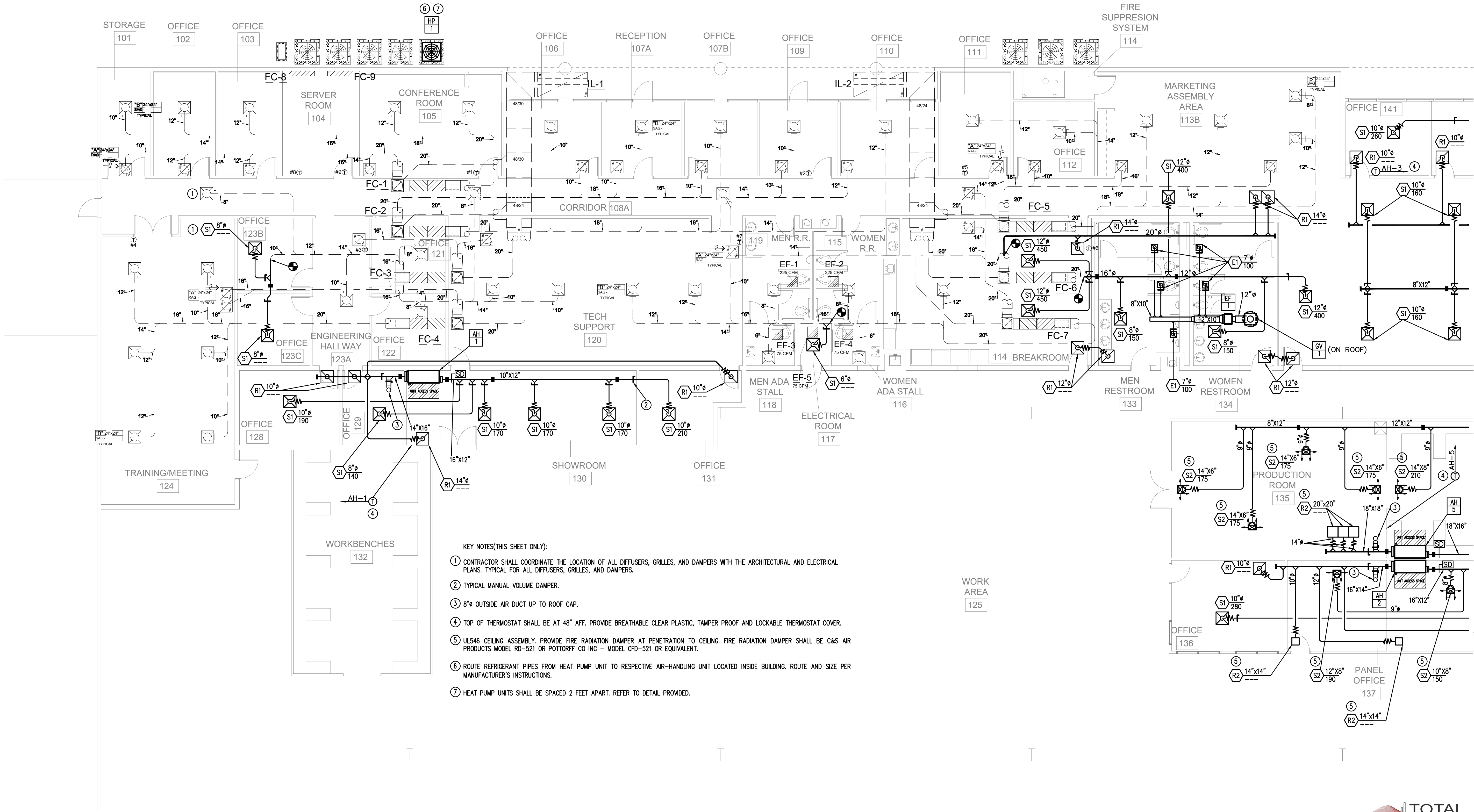
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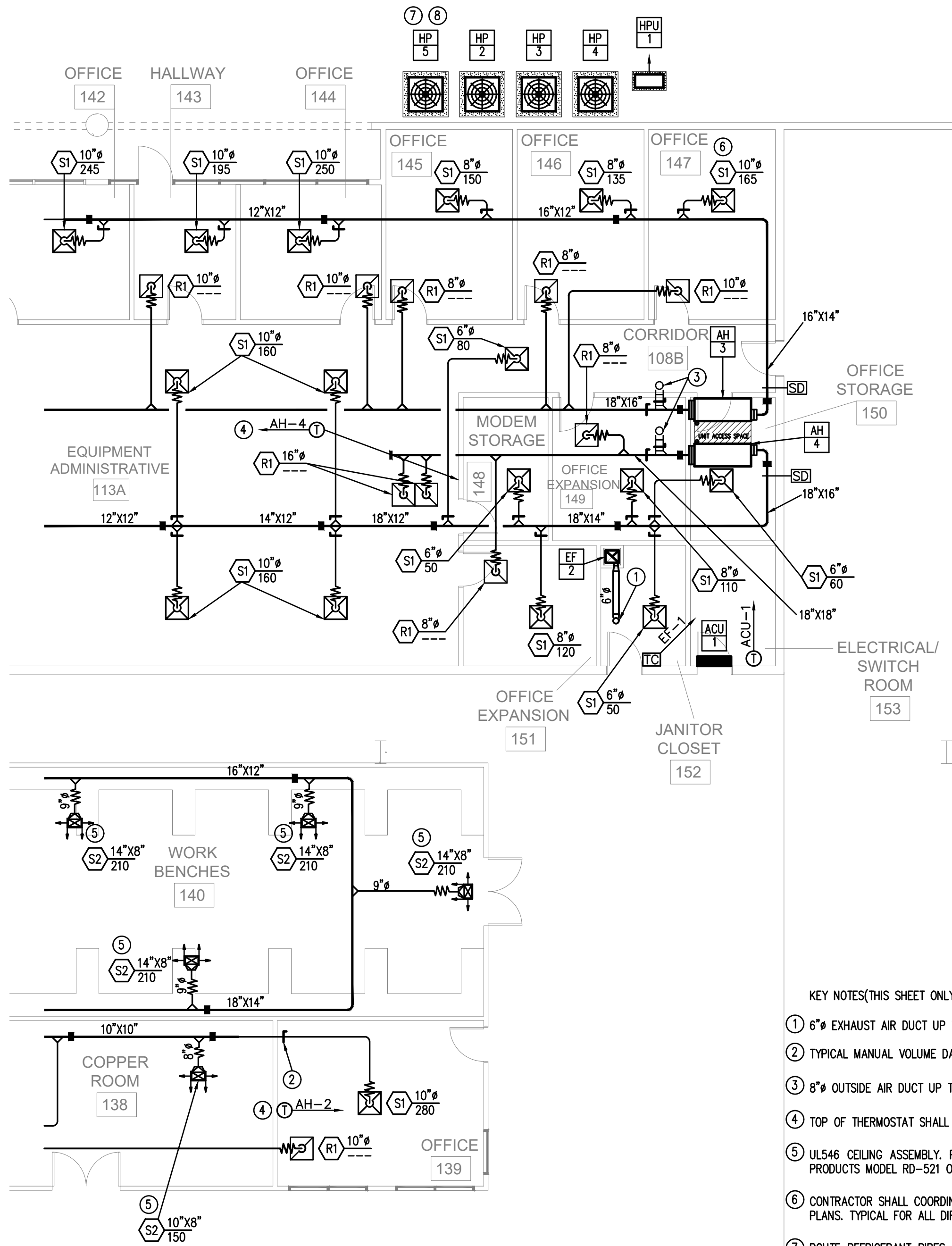
LINE LEGEND	
	EXISTING TO REMAIN
	CONNECT TO EXISTING



- KEY NOTES(THIS SHEET ONLY):
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, AND DAMPERS WITH THE ARCHITECTURAL AND ELECTRICAL PLANS. TYPICAL FOR ALL DIFFUSERS, GRILLES, AND DAMPERS.
 - TYPICAL MANUAL VOLUME DAMPER.
 - 8" Ø OUTSIDE AIR DUCT UP TO ROOF CAP.
 - TOP OF THERMOSTAT SHALL BE AT 48" AFF. PROVIDE BREATHABLE CLEAR PLASTIC, TAMPER PROOF AND LOCKABLE THERMOSTAT COVER.
 - UL546 CEILING ASSEMBLY. PROVIDE FIRE RADIATION DAMPER AT PENETRATION TO CEILING. FIRE RADIATION DAMPER SHALL BE C&S AIR PRODUCTS MODEL RD-521 OR POTTORFF CO INC - MODEL CFD-521 OR EQUIVALENT.
 - ROUTE REFRIGERANT PIPES FROM HEAT PUMP UNIT TO RESPECTIVE AIR-HANDLING UNIT LOCATED INSIDE BUILDING. ROUTE AND SIZE PER MANUFACTURER'S INSTRUCTIONS.
 - HEAT PUMP UNITS SHALL BE SPACED 2 FEET APART. REFER TO DETAIL PROVIDED.

1 ENLARGED MECHANICAL PLAN - NEW WORK
SCALE: 1/8"=1'-0"

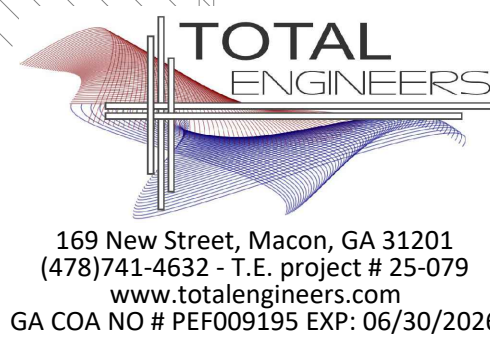
PLOT DATE:



KEY NOTES(THIS SHEET ONLY):

- 1 6" EXHAUST AIR DUCT UP TO ROOF CAP.
- 2 TYPICAL MANUAL VOLUME DAMPER.
- 3 8" OUTSIDE AIR DUCT UP TO ROOF CAP.
- 4 TOP OF THERMOSTAT SHALL BE AT 48" AFF. PROVIDE BREATHABLE CLEAR PLASTIC, TAMPER PROOF AND LOCKABLE THERMOSTAT COVER.
- 5 UL546 CEILING ASSEMBLY. PROVIDE FIRE RADIATION DAMPER AT PENETRATION TO CEILING. FIRE RADIATION DAMPER SHALL BE C&S AIR PRODUCTS MODEL RD-521 OR POTTORFF CO INC - MODEL CFD-521 OR EQUIVALENT.
- 6 CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, AND DAMPERS WITH THE ARCHITECTURAL AND ELECTRICAL PLANS. TYPICAL FOR ALL DIFFUSERS, GRILLES, AND DAMPERS.
- 7 ROUTE REFRIGERANT PIPES FROM HEAT PUMP UNIT TO RESPECTIVE AIR-HANDLING UNIT LOCATED INSIDE BUILDING. ROUTE AND SIZE PER MANUFACTURER'S INSTRUCTIONS. TYPICAL FOR ALL HEAT PUMP UNITS.
- 8 HEAT PUMP UNITS SHALL BE SPACED 2 FEET APART. REFER TO DETAIL PROVIDED.

1 ENLARGED MECHANICAL PLAN - NEW WORK
SCALE: 1/8"=1'-0"



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M202

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

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Pipe, fittings, valves, and connections for combination sprinkler and standpipe systems.

1.2 REFERENCES

- A. ASME B16.1 – Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250; The American Society of Mechanical Engineers.
B. ASME B16.3 – Malleable Iron Threaded Fittings; The American Society of Mechanical Engineers.
C. ASME B16.4 – Gray Iron Threaded Fittings; The American Society of Mechanical Engineers.
D. ASME B16.5 – Pipe Flanges and Flanged Fittings; The American Society of Mechanical Engineers; (ANSI/ASME B16.5).
E. ASTM A 47/A 47M – Standard Specification for Ferritic Malleable Iron Castings.
F. ASTM A 53/A 53M – Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
G. ASTM A 795/A 795M – Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use.
H. 2019 NFPA 13 – Standard for the Installation of Sprinkler Systems, as adopted an amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120–3–3.–04(10).
I. 2019 NFPA 24 – Standard for the Installation of Private Fire Service Mains and their Appurtenances, as adopted an amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120–3–3.–04(22).
J. 2019 NFPA 72 – National Fire Alarm and Signaling Code, as adopted an amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120–3–3.–04(53).
K. 2018 Life Safety Code, as adopted an amended by the Rules and Regulations of the Saffery Fire Commissioner Chapter 120–3–3.–04(72).
L. 2018 International Fire Code (as adopted and amended by the Rules and Regulations of the Safety Fire Commissioner Chapter 120–3–3.–04(3)).
M. UL (FPED) – Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.
N. UL 262 – Gate Valves for Fire-Protection Service; Underwriters Laboratories Inc..
O. Chapter 120–3–3 of the Rules of the Safety Fire Commissioner.
P. Georgia State Minimum Standard Building Code (International Building Code 2018 Edition, with Georgia State Amendments). NFPA Code, where more stringent, shall take precedence.

1.3 SUBMITTALS

- A. Product Data: Provide manufacturers catalogue information. Indicate valve data and ratings.
B. Shop Drawings: Indicate pipe materials used, jointing methods, supports, floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.
C. Project As-Built Documents: Record actual locations of components and tag numbering.
D. Operation and Maintenance Data: Include installation instructions and spare parts lists.

1.4 QUALITY ASSURANCE

- A. Fire Protection
1. The Contractor expressly warrants that the company performing the installation of the fire protection systems has demonstrated proficiency in the installation, start-up and adjustment of such systems by the successful performance of work of the nature specified herein on at least 5 commercial or institutional buildings, each containing minimum of 10,000 f12 of protected area or greater.
2. The Contractor further warrants that the aforesaid subcontractor has trained personnel, instruments, tools, and equipment to perform the installation specified.
3. The Contractor also warrants that the aforesaid installer has been in business performing services of the nature specified herein for at least five-years.
4. Provide a certificate of competency as issued by the Georgia State Fire Marshal's Office.
B. Conform to UL and FM requirements.
C. Valves: Bear UL and FM label or marking. Provide manufacturer's name and pressure rating marked on valve body.
D. Products Requiring Electrical Connection: Listed and classified as suitable for the purpose specified and indicated.

1.5 DELIVERY, STORAGE, AND PROTECTION

- A. Deliver and store valves in shipping containers, with labeling in place.
B. Provide temporary protective coating on cast iron and steel valves.
C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.

1.6 EXTRA MATERIALS

- A. Provide additional materials as provided in these specifications and by NFPA.

PART 2 PRODUCTS

2.1 GENERAL SYSTEM AND PRODUCT REQUIREMENTS

- A. Sprinkler Systems: Conform work to NFPA 13.
B. Standpipe and Hose Systems: Conform to NFPA 14.
C. Welding Materials and Procedures: Conform to ASME Code.
D. Building is light hazard, ordinary hazard group, and extra hazard group. Pipe sizes shall be hydraulically calculated based upon flow test to be conducted by contractor.
E. Provide hydraulic calculations over the most remote 1500 square feet providing density required for hazard as indicated in NFPA 13. Minimum discharge pressure shall be 7.0 PSI. Minimum residual pressure at city water main in the street shall be 20.0 PSI. Provide 10.0 PSI minimum safety margin in hydraulic calculations at design point. Design area reduction per NFPA 13 is not allowed.
F. Basis of design: Contractor shall perform, or have performed, at the same time, a Fire Flow and Twenty Four Hour Static Test to assure flow equals or exceeds specified basis of design flow rate prior to preparing shop drawings, installing system or performing calculations. Prepare calculations based on confirmed flow data or basis of design flow data, whichever is lowest. Flow test shall be performed in accordance with NFPA 13 and Rules and Regulations of Safety Fire Commissioner, O.C.G.A. Chapter 120–3–3. Modify flow test pressures (static and residual), if pressure recorded in 24 hour test is lower than flow test pressures for one hour duration, to lowest hour test pressure.
G. No pipe shall be routed above electrical panels and equipment as required by National Electrical Code, on control side or beneath suspended mechanical equipment except where specifically required by Code, in which case, provisions shall be made for service access.
H. Inspectors test connection(s) shall discharge to the outside of the building in location(s) acceptable to the Architect.
I. Inside auxiliary drains, if needed, shall discharge in location(s) acceptable to the Architect.Drain and test connection piping, if in finished space, shall be installed concealed.

2.2 BURIED PIPING

- A. Refer to Civil plans and specifications for piping type.

2.3 ABOVE GROUND WET SYSTEM PIPING

- A. Steel Pipe: ASTM A 795 Schedule 10 or ASTM A 53 Schedule 40, black. Piping 2" and smaller shall be threaded. Piping 2 1/2" and larger shall be grooved with rigid couplings.
1. Cast Iron Fittings: ASME B16.1, flanges and flanged fittings and ASME B16.4, threaded fittings.
2. Malleable Iron Fittings: ASME B16.3, threaded fittings and ASTM A 47/A 47M.
3. Mechanical Grooved Couplings: Rigid malleable iron housing clamps to engage and lock, "C" shaped elastomeric sealing gasket, steel bolts, nuts, and washers; galvanized for galvanized pipe. Reducing couplings are NOT allowed.

2.4 PIPE HANGERS AND SUPPORTS

- A. Hangers for Pipe Sizes 1/2 to 1–1/2 inch: Malleable iron, adjustable swivel, spill ring.
B. Hangers for Pipe Sizes 2–inches and Over: Carbon steel, adjustable, clevis.
C. Multiple or Trapeze Hangers: Steel channels with welded spacers and hanger rods.
D. Vertical Support: Steel riser clamp.
E. Floor Support: Cast iron adjustable pipe saddle, lock nut, nipple, floor flange, and concrete pier or steel support.
F. Provide support for any vertical pipe 36" in length or greater except armovers. Provide supports 12"–0" O.C. maximum or at floor levels.
G. Threaded rods shall NOT be bent. Bending is permitted only in unthreaded sections of hanger rods. Bending shall occur as close to the hanger as possible. Provide a swivel assembly if required.

2.5 GATE VALVES

- A. Up to and including 2 inches:
1. Manufacturers:
a. Nibco Scott; Product T–104–0
b. Jenkins; Product 275U
c. Hammond; Product 1B681
d. Stockham; Product B–133
e. Kennedy; Product Fig. 66
2. Bronze body, bronze trim, rising stem, handwheel, solid wedge or disc, threaded ends.

B. Over 2 inches:

1. Manufacturers:
a. Nibco Scott; Product F–607–OTS
b. Crane; Product 467
c. Jenkins; Product 825–A
d. Hammond; Product 1R1154
e. Stockham; Product G–634
f. Kennedy; Product Fig. 68
2. Iron body, bronze trim, rising stem pre–grooved for mounting tamper switch, handwheel, OS&Y, solid rubber covered bronze or cast iron wedge, flanged ends.

2.6 GLOBE VALVES

- A. Bronze body, rubber disc, union bonnet, 174 W.W.P., threaded ends.

B. Up to and including 2 inches:

1. Manufacturers:
a. Nibco–Scott; Product KT–65.
b. Kennedy; Product 975D.
c. United; Product 125S.
d. Fairbanks; Product 4691–3.

2.7 ANGLE VALVES

- A. Bronze body, rubber disc, union bonnet, 174 non–shock cold water, threaded ends.

B. Up to and including 2 inches:

1. Manufacturers:
a. Nibco–Scott; Product T–301–W.
b. Kennedy; Product 985D.
c. United; Product 126S.
d. Fairbanks; Product 4691–3.

2.8 BUTTERFLY VALVES: Not allowed.

2.9 CHECK VALVES

- A. Iron body, U.L. Listed– F.M. Approved, swing type, bronze trimmed, bronze seat and disc, flanged ends.

B. Manufacturers:

1. Jenkins; Product 629
2. Crane; Product 375
3. Stockham; Product G–939
4. Mueller; Product A–2120–6
5. Kennedy; Product #126

2.10 INDICATOR POSTS

- A. Cast iron base, top section, & cap; malleable iron wrench and locking device; steel stem; cast iron couplings; bronze target holder with aluminum "shut" and "open" targets; Underwriters Laboratories listed, and Factory Mutual approved; available for varying trench depth; and with adjustable depth features.

B. Manufacturers:

1. Kennedy Fig. Series 741.
2. Nibco NIP–1.
3. Stockham G–951.
4. Mueller A–20804.

2.11 UNDERGROUND GATE VALVES

- A. 2 1/2–inch and larger, iron body, non–rising stem, bronze stem, iron mounted disc with bronze rings, cast iron 2–inch square operating nut, flange, ends, AWWA spec. C–500.

B. Manufacturers:

1. Kennedy Fig. 701X.
2. Nibco F–609.
3. Stockham G–635.
4. Mueller A–2075–20.
5. M & H Fig. 3067.

PART 3 EXECUTION

3.1 PREPARATION

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
B. Remove scale and foreign material, from inside and outside, before assembly.
C. Prepare piping connections to equipment with flanges or unions.
D. Storage: All piping shall be stored above ground and protected to prevent dirt and debris from entering pipe.

3.2 INSTALLATION

- A. Install sprinkler system and service main piping, hangers, and supports in accordance with NFPA 13 and these specifications.
B. Install standpipe piping, hangers, and supports in accordance with NFPA 14.
C. Install post indicator valve (PIV) upstream of backflow device.
D. Route piping in orderly manner, plumb and parallel to building structure. Maintain gradient.
E. Install piping to conserve building space, to not interfere with use of space and other work.
F. Group piping whenever practical at common elevations.
G. All piping shall be installed above ceilings in a concealed manner except where no ceilings are present
H. Sleeve pipes passing through partitions, walls, and floors.
I. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
J. Reducing Tees: Weld-on threaded outlet tees and Couplet–300 by Bonney Forge Division of Energy Products Group, Central Sprink 701, "TEE–LET" 300 by Merit Manufacturing Corp., NAP300 by North Alabama Pipe Corp., F400 by Grinnell Corp. may be used for side outlet reducing tees more than two pipe sizes smaller than main. Discs shall be retrieved and connected to pipe at point of cutting. Cutting shall comply with NFPA 13, Chapter 6.5.2.9.
K. Couplings may be used on gridded systems at only one end of each gridded branch line or on 2 1/2" or larger riser nipple to 2" or smaller branch line to facilitate connection provided that the coupling is connected to piping by a cut groove. Rolled grooves are not acceptable.
L. Pipe Hangers and Supports:
1. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
2. Place hangers within 12 inches of each horizontal elbow.
3. Use hangers with 1–1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
4. Support vertical piping at every floor. Support riser piping independently of connected horizontal piping.
5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.
M. Slope piping and arrange systems to drain at low points. Use eccentric reducers to maintain top of pipe level.
N. Prepare pipe, fittings, supports, and accessories for finish painting. Where pipe support members are welded to structural building framing, scrape, brush clean, and apply one coat of zinc rich primer to welding.
O. Do not penetrate building structural members unless indicated.
P. Provide sleeves when penetrating floors and walls. Seal pipe and sleeve penetrations to achieve fire resistance equivalent to fire separation required.
Q. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, union, and couplings for servicing are consistently provided.
R. Die cut threaded joints with full cut standard taper pipe threads with red lead and linned oil or other non–toxic joint compound applied to male threads only.
S. Install valves with stems upright or horizontal, not inverted. Remove protective coatings prior to installation.
T. Provide gate valves for shut–off or isolating service. No valve shall be installed with the centerline, if horizontal, or wheel, if vertical, more than 9"–0" AFF.
U. Provide drain valves at main shut–off valves, low points of piping and apparatus.

3.3 CLEANING AND PROTECTION

- A. All materials, equipment and mechanical rooms shall be cleaned prior to the Final Inspection.
B. Wash down and scrub clean all mechanical room floors, walls, equipment bases and equipment.
C. Paint equipment where finish has been damaged requiring retouching of finish to match factory finish.
D. Chipped or scraped paint shall be retouched to match original finish.
E. All dents and sags in equipment casing shall be straightened.
F. All equipment, pipe, pipe fittings and appurtenances shall be free of rust and stains prior to substantial completion.

3.4 FINISHING EQUIPMENT AND MATERIAL

- A. Use paint systems specified in Division 9 for the substrates to be finished.

B. Paint shop–primed equipment.

- C. Re–install electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.
D. Paint all exposed pipes, unless otherwise indicated.
E. All ferrous fasteners and hanger supports not having a corrosion resistant plated finish shall be painted to prevent rust.
F. Paint all equipment, including that which is factory–finished, exposed to weather or to view on the roof and outdoors.
G. Paint all exposed un–insulated ferrous materials.

END OF SECTION

FIRE SUPPRESSION SPRINKLERS
(FIRE PROTECTION SECTION 2 OF 2)

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wet Type Sprinkler System
B. Dry–pipe sprinkler system.
C. System design, installation, and certification.
D. Fire department connections.

1.2 REFERENCES

- A. NFPA 13 – Standard for the Installation of Sprinkler Systems; National Fire Protection Association.
B. NFPA 14 – Standard for the Installation of Standpipe and Hose Systems; National Fire Protection Association.

1.3 SUBMITTALS

- A. Product Data: Provide data on sprinklers, valves, and specialties, including manufacturers catalog information. Submit performance ratings, rough–in details, weights, support requirements, and piping connections.
B. Shop Drawings:
1. Indicate hydraulic calculations, detailed pipe layout, hangers and supports, sprinklers, components and accessories. Indicate system controls.
2. Submit shop drawings, product data, and hydraulic calculations to Fire Marshall for approval and to Architect for review. Submit to Architect prior to submitting to Fire Marshal. Submit proof of approval to the Architect.
C. Project As–Built Documents: Record actual locations of sprinklers and deviations of piping from drawings. Indicate drain and test locations. Provide two (2) CD and three (3) paper copies of as–built drawings.
D. Manufacturer's Certificate: Certify that system has been tested and meets or exceeds specified requirements and code requirements. All certificates shall be signed by certificate holder.
E. Operation and Maintenance Data: Include components of system, servicing requirements, record drawings, inspection data, replacement part numbers and availability, and location and numbers of service depot.

1.4 QUALITY ASSURANCE

- A. Maintain one copy of referenced design and installation standard on site.
B. Conform to UL requirements.
C. Equipment and Components: Provide products that bear UL label or marking.
D. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

1.5 DELIVERY, STORAGE, AND PROTECTION

- A. Store products in shipping containers and maintain in place until installation. Provide temporary inlet and outlet caps. Maintain caps in place until installation.
B. Store piping off floor and out of elements. Provide cover for piping to prevent dirt and debris from entering piping. Piping and fittings shall be rust free when installed.

1.6 EXTRA MATERIALS

- A. Provide extra sprinklers of type and size matching those installed, in quantity required by referenced NFPA design and installation standard.
B. Provide suitable wrenches for each sprinkler type.
C. Provide metal storage cabinet located at piping entrance to building.

PART 2 PRODUCTS

2.1 SPRINKLER SYSTEM REQUIREMENTS

- A. Sprinkler System: Provide coverage for entire building.
B. Occupancy: comply with NFPA 13.
C. Water Supply: Contractor shall perform or have performed an NFPA–13 water flow test data and a 24 hour static pressure test. Adjust flow test to lowest pressure recorded by 24 hour test of one hour duration.
D. Interface system with building fire alarm system.
E. Provide fire department connections where indicated on FP and civil drawings.

2.2 SPRINKLERS

- A. Tyco and affiliates, Automatic Sprinkler, Reliable, Viking.
B. All sprinklers installed shall be by the same manufacturer.
C. Contractor shall select temperature ratings in accordance with NFPA 13, paragraph 8.3.2.
D. Suspended Ceiling Type: Recessed pendant type with matching flush push on escutcheon plate.
1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick response Glass bulb type temperature rated for specific area hazard.
E. Gypsum Board Ceiling Type: Concealed pendant type with matching push on escutcheon plate.
1. Finish: Brass.
2. Escutcheon Plate Finish: Enamel, Verify color with architect.
F. Exposed Area Type: Standard upright type.
1. Finish: Brass.
2. Fusible Link: Quick Response Fusible solder link type temperature rated for specific area hazard.
G. Sidewall Type: Standard horizontal sidewall type with matching flush push on two piece escutcheon plate.
1. Finish: Chrome plated.
2. Escutcheon Plate Finish: Chrome plated.
3. Quick Response Fusible solder link type temperature rated for specific area hazard.
H. Guards: Finish to match sprinkler finish.

2.3 PIPING SPECIALTIES

- A. Dry Pipe Sprinkler Alarm Valve: Check type valve with divided seat ring, rubber faced clapper to automatically actuate water motor alarm and electric alarm, with accelerator; with test and drain valve.
B. Water Motor Alarm: Hydraulically operated impeller type alarm with aluminum alloy chrome plated gong and motor housing, nylon bearings, and inlet strainer. By same manufacturer as Alarm Valve.
C. Electric Alarm: Electrically operated chrome plated gong with pressure alarm switch.
D. Water Flow Switch: Vane type switch for mounting horizontal or vertical, with two contacts; rated 10 amp at 125 volt AC and 2.5 amp at 24 volt DC. Notifier, Simplex, Potter, Grinnell.
E. Tamper Switch: Switch designed for installation on indicator valves with cased aluminum housing with red finish. Notifier, Simplex, Potter, Grinnell.
F. Fire Department Connections: Elkhart, Coker Standard, Potter Roemer.
1. Type: Free standing type with ductile iron pedestal chrome plated finish.
2. Outlets: Two way with thread size to suit fire department hardware; threaded dust cap and chain of matching material and finish.
3. Drain: 3/4 inch automatic drip, outside.
4. Label: "Sprinkler – Fire Department Connection".
5. Macon–Bibb County Fire Department Requires British Columbia Threads (BCT) on all Fire Department Connections (FDC).

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with referenced NFPA design and installation standard and these specifications.
B. Sprinklers shall be in line with and centered between down lights unless shown otherwise.
C. Install equipment in accordance with manufacturer's instructions.
D. Each floor of multi story buildings shall be zoned.
E. All dry system piping shall be galvanized down stream of dry valve.
F. Install buried shut–off valves in valve box. Provide post indicator.
G. Provide approved double detector check assembly at sprinkler system water source connection.

- H. Locate fire department connection within forty (40'–0") feet of nearest fire hydrant and with sufficient clearance from walls, obstructions, or adjacent siamese connectors to allow full swing of fire department wrench handle.
I. Locate outside alarm gong on building wall at piping entrance to building.
J. Place pipe runs to minimize obstruction to other work.
K. Place piping in concealed spaces above finished ceilings.
L. Center sprinklers in two directions in ceiling tile and provide piping offsets as required.
M. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.
N. Where sprinklers are required under rectangular duct, the centerline of the sprinkler shall be minimum 6" under duct
O. Install air compressor on vibration isolators.
P. Flush entire piping system of foreign matter.
Q. Hydrostatically test entire system.
R. Require test be witnessed by Fire Marshall.
S. All drain piping shall discharge to the outside 6" maximum above grade unless noted otherwise.
T. Where sprinklers are required under oval or round duct, the centerline of the sprinkler shall be under the centerline of the duct.

3.2 INTERFACE WITH OTHER PRODUCTS

- A. Ensure required tamper and flow devices are installed and connected as required to fire alarm system including but not limited to floor control valves, alarm check valve, elevator shaft isolation valve, Post Indicator Valve (PIV) and backflow device valves.

3.3 SCHEDULES

- A. System Hazard Areas:
1. Libraries except Stack Areas, Office & Public Areas, Residential Living Areas, and similar occupancies – Light Hazard Design; 0.10 GPM/sq. ft. over the most remote 1500 square foot.
2. Automobile Parking Areas, Building Service Areas, Electrical Equipment Rooms, General Storage Areas, Laundries, Mechanical Equipment Rooms, Restaurant Service Areas, and similar occupancies – Ordinary Hazard Group 1 Design; 0.15 GPM/sq.ft. over the most remote 1500 square foot.
3. Dry Cleaners, Library Stack Areas, Machine Shops, Repair Garages, and similar occupancies – Ordinary Hazard Group 2 Design;0.20 GPM/sq.ft. over the most remote 1500 square foot.

END OF SECTION

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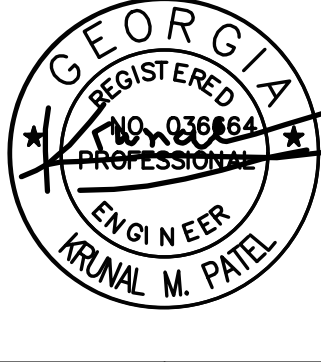
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INTERIOR RENOVATION

PROJECT ADDRESS:
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MACON, GA 31217

STAMP:



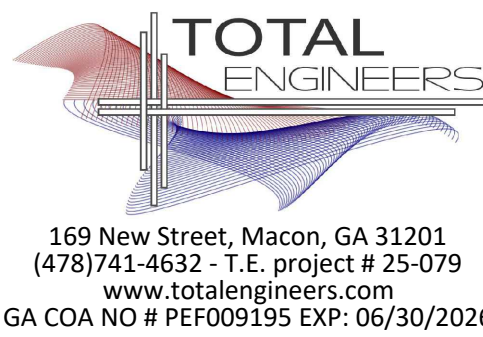
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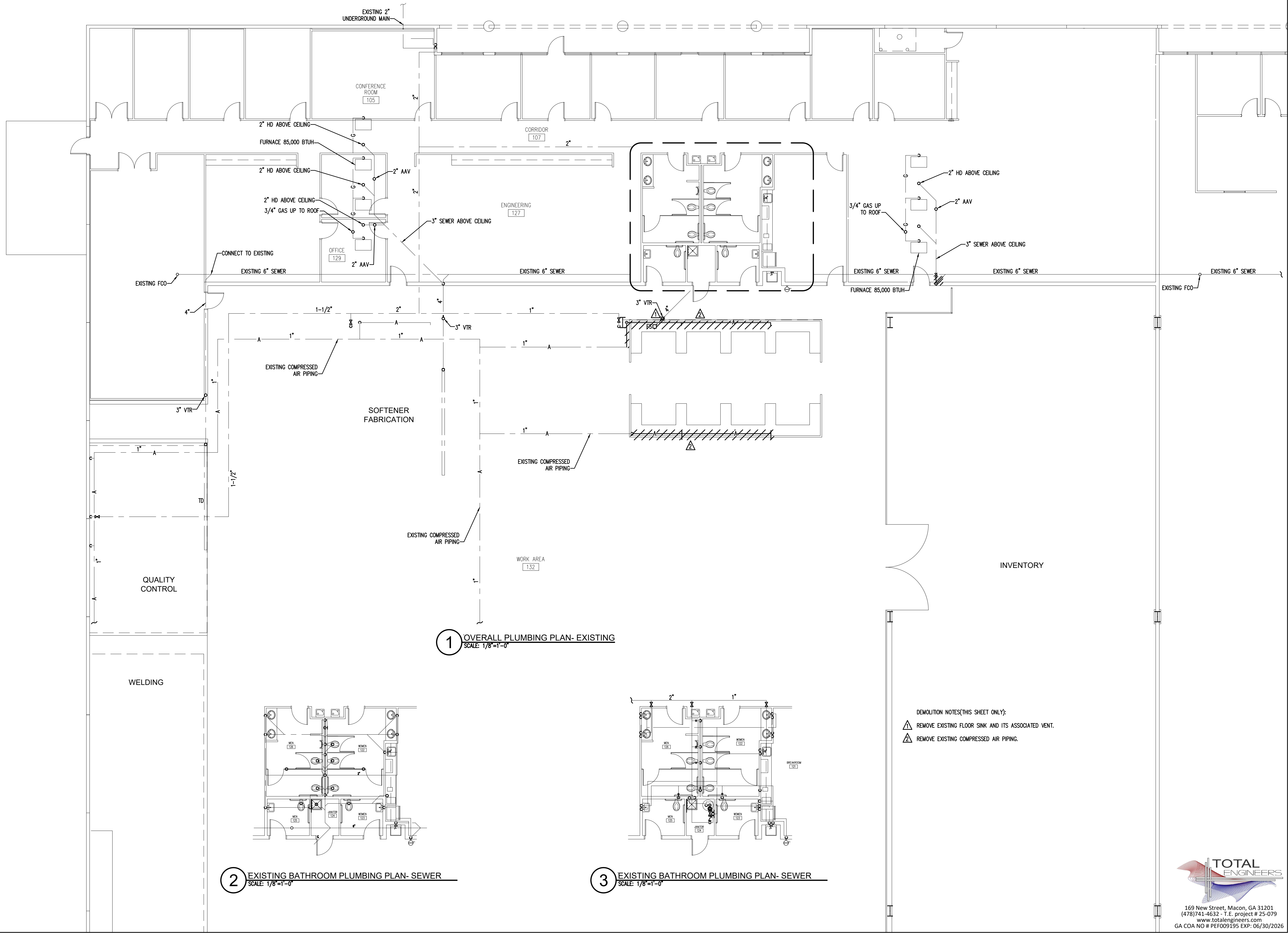
PLUMBING
SCHEDULES

PROJECT NUMBER: 24-123
SHEET NUMBER:



P002

PLOT DATE:

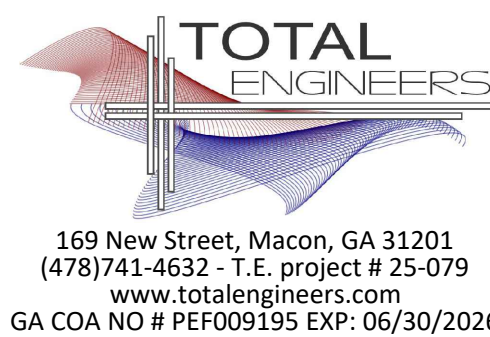


1 OVERALL PLUMBING PLAN- EXISTING
SCALE: 1/8"=1'-0"

2 EXISTING BATHROOM PLUMBING PLAN- SEWER
SCALE: 1/8"=1'-0"

3 EXISTING BATHROOM PLUMBING PLAN- SEWER
SCALE: 1/8"=1'-0"

- DEMOLITION NOTES(THIS SHEET ONLY):
- △ REMOVE EXISTING FLOOR SINK AND ITS ASSOCIATED VENT.
 - △ REMOVE EXISTING COMPRESSED AIR PIPING.



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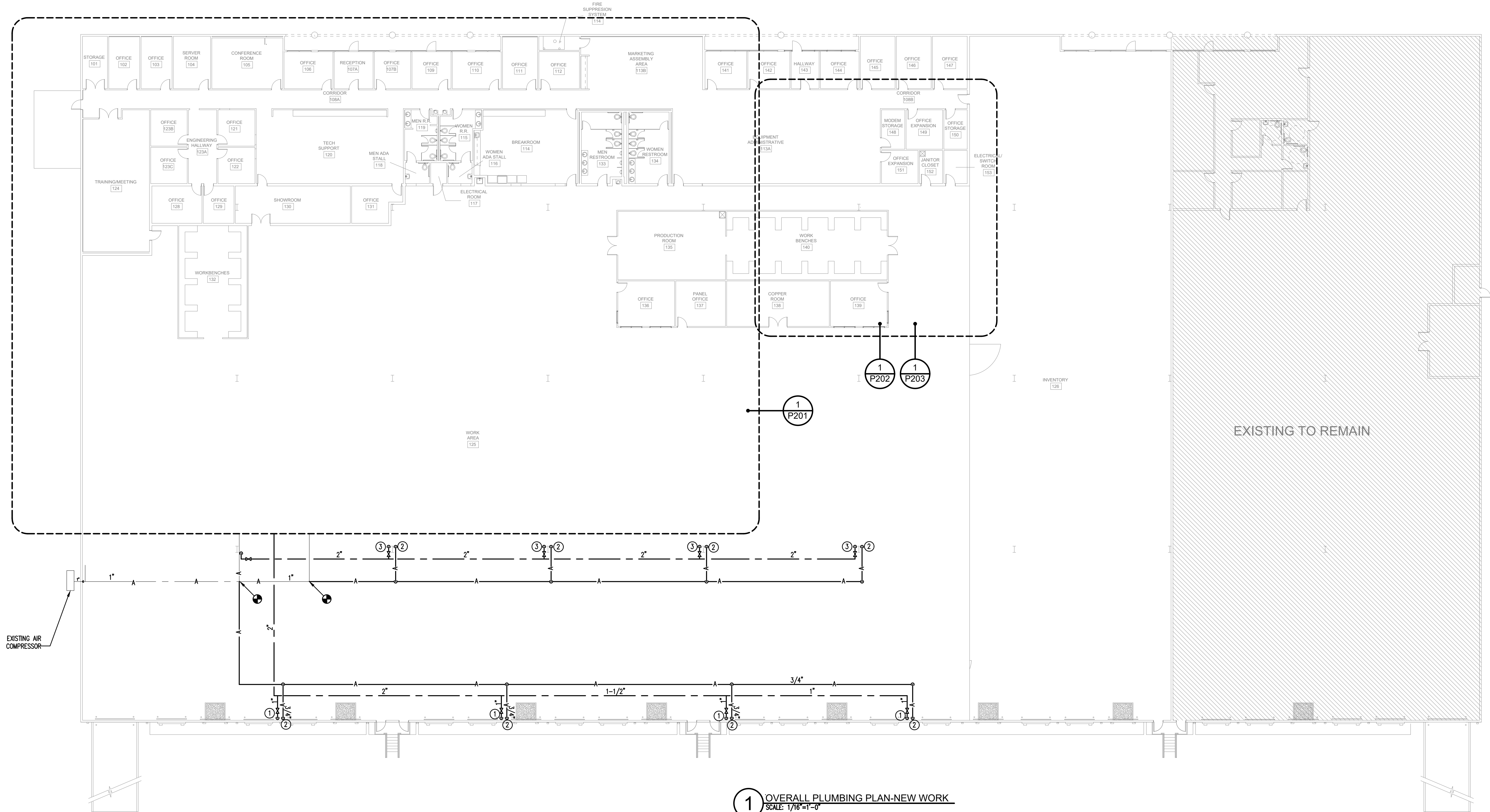
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OVERALL PLUMBING
PLAN - EXISITNG

PROJECT NUMBER: 24-123
SHEET NUMBER:

P100

PLOT DATE:



KEY NOTES(THIS SHEET ONLY):

- 1 TYPICAL 1" WATER DOWN COORDINATE EXACT LOCATION WITH OWNER.
- 2 TYPICAL 3/4" AIR DOWN COORDINATE EXACT LOCATION WITH OWNER. PROVIDE SHUT-OFF IN VERTICAL
- 3 TYPICAL 2" WATER DOWN COORDINATE EXACT LOCATION WITH OWNER.

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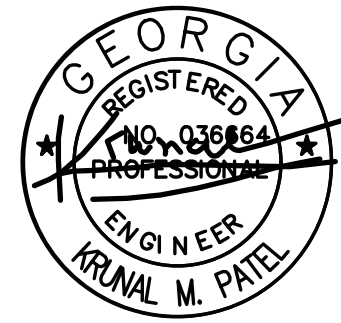
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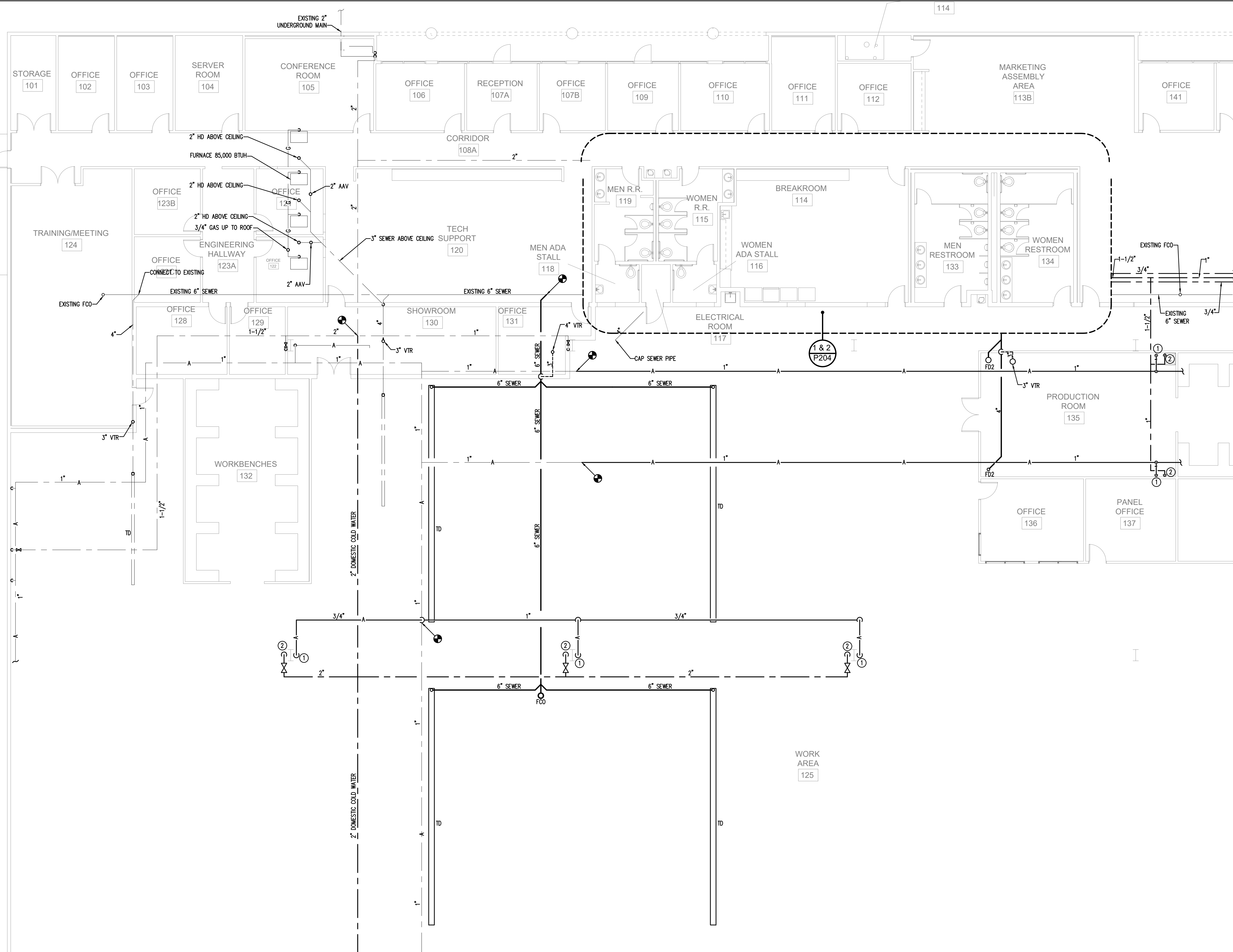
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OVERALL PLUMBING
PLAN - NEW WORK

PROJECT NUMBER: 24-123
SHEET NUMBER:

P200

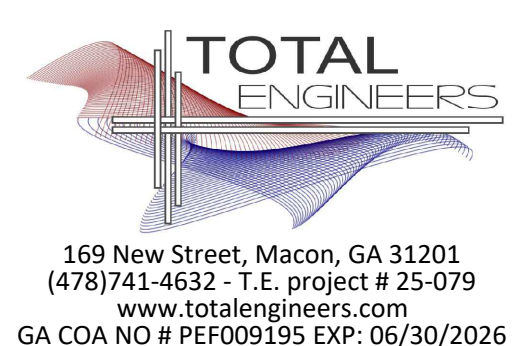


KEY NOTES (THIS SHEET ONLY):

① TYPICAL 3/4" AIR DOWN COORDINATE EXACT LOCATION WITH OWNER. PROVIDE SHUT-OFF IN VERTICAL

② TYPICAL 2" WATER DOWN COORDINATE EXACT LOCATION WITH OWNER.

1 ENLARGED PLUMBING PLAN - NEW WORK
SCALE: 1/8"=1'-0"



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STAMP:

GEORGIA REGISTERED PROFESSIONAL ENGINEER
KIRAN M. PATEL
NO. 038464

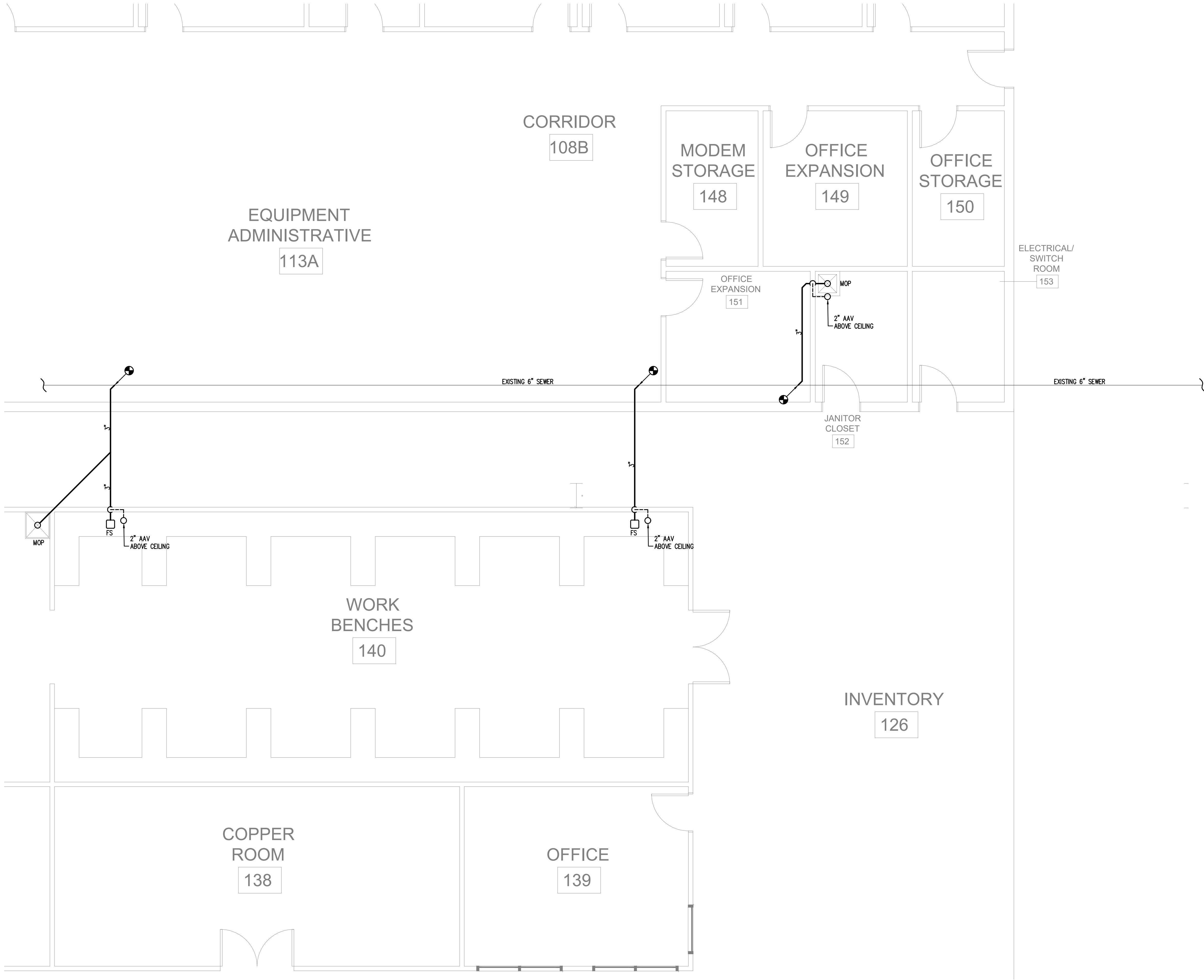
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**ENLARGED PLUMBING
PLAN - NEW WORK**

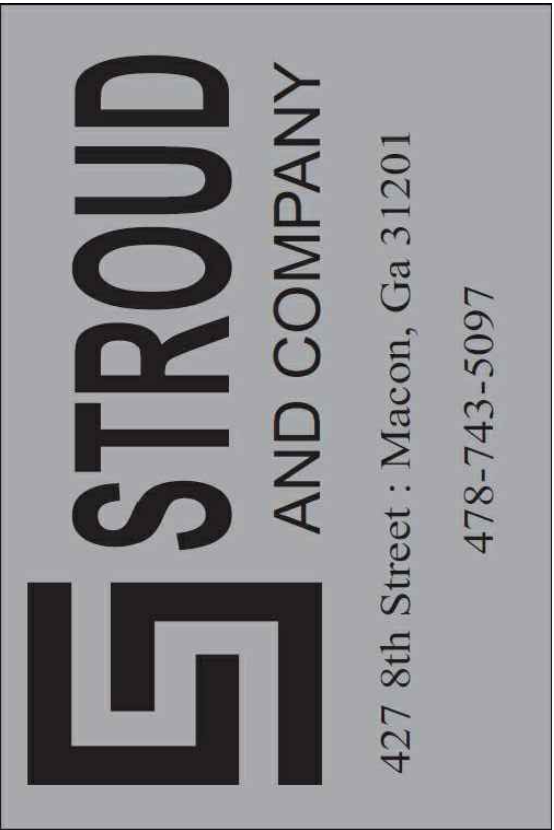
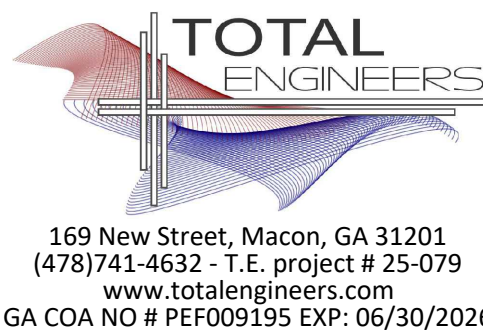
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SHEET NUMBER:

P201

PLOT DATE:



1 ENLARGED PLUMBING PLAN - SEWER
SCALE: 1/4"=1'-0"



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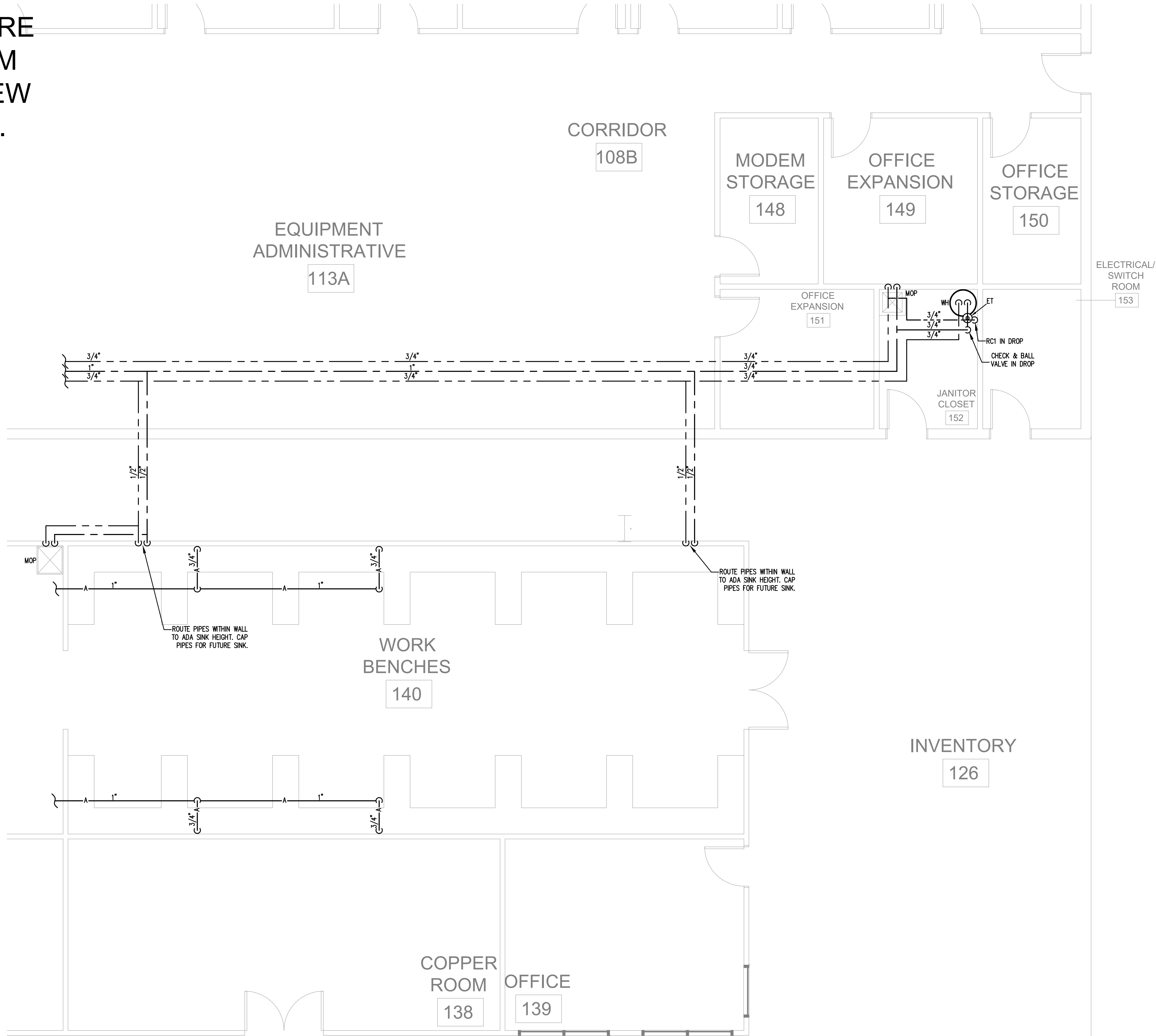
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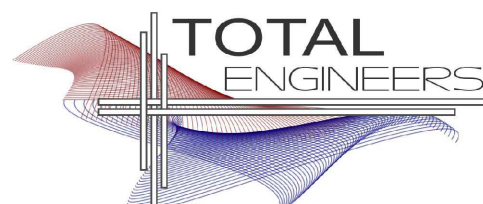
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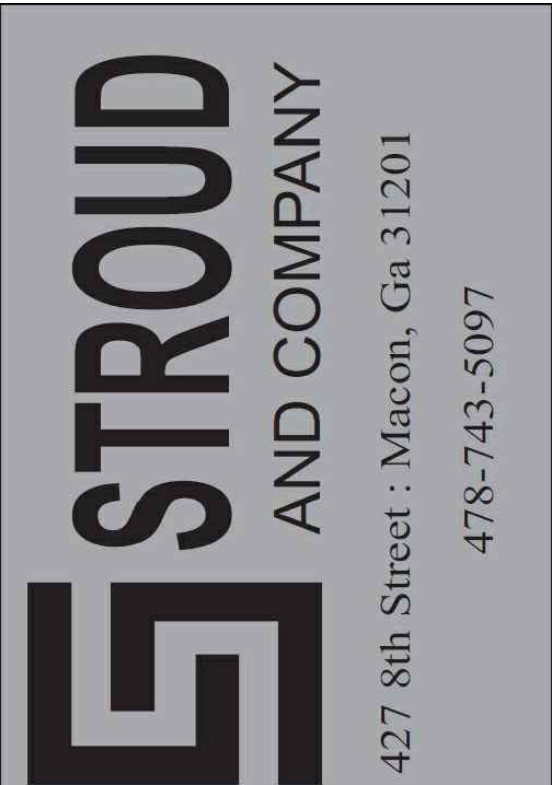
MODIFY EXISTING FIRE
SPRINKLER SYSTEM
TO CONFORM TO NEW
BUILDING LAYOUT.



1 ENLARGED PLUMBING PLAN - WATER & AIR
SCALE: 1/4"=1'-0"



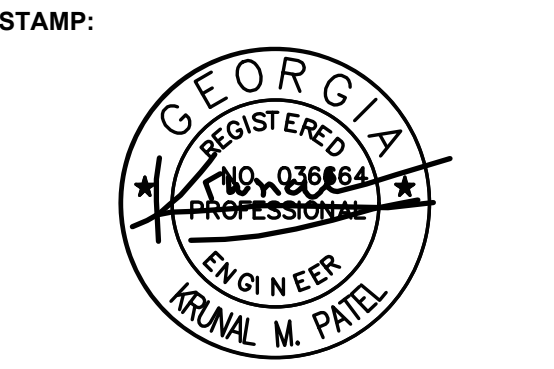
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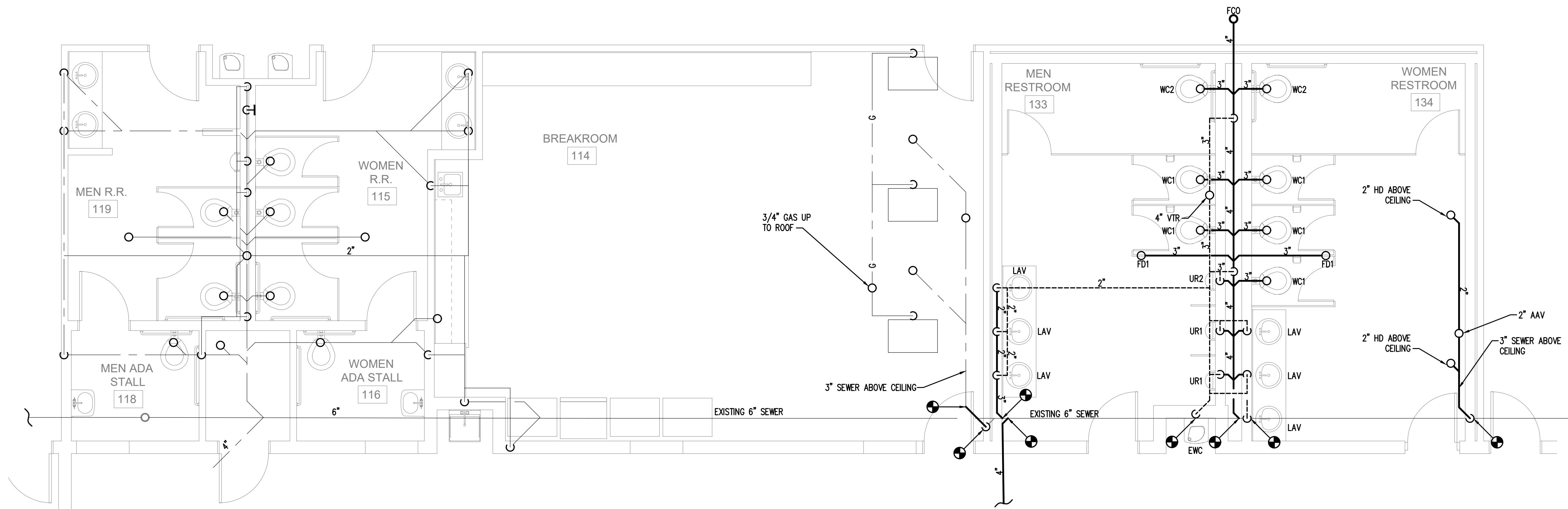
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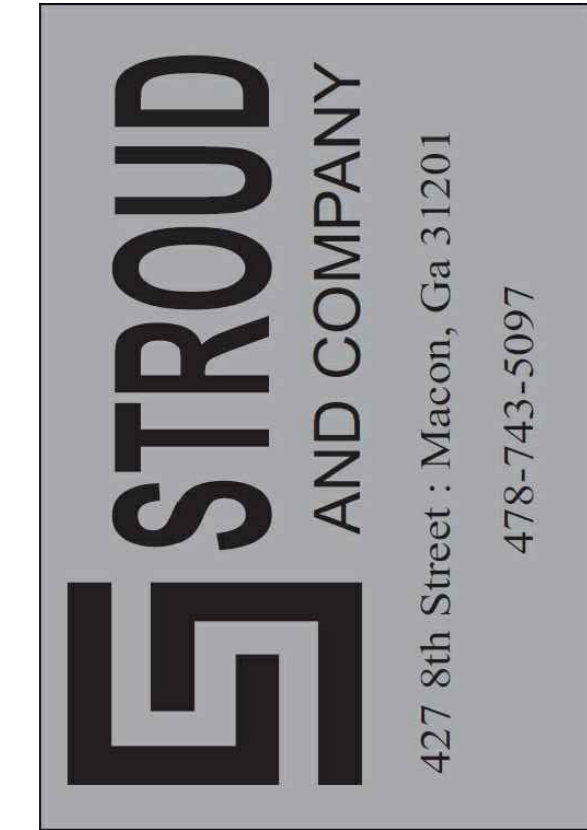
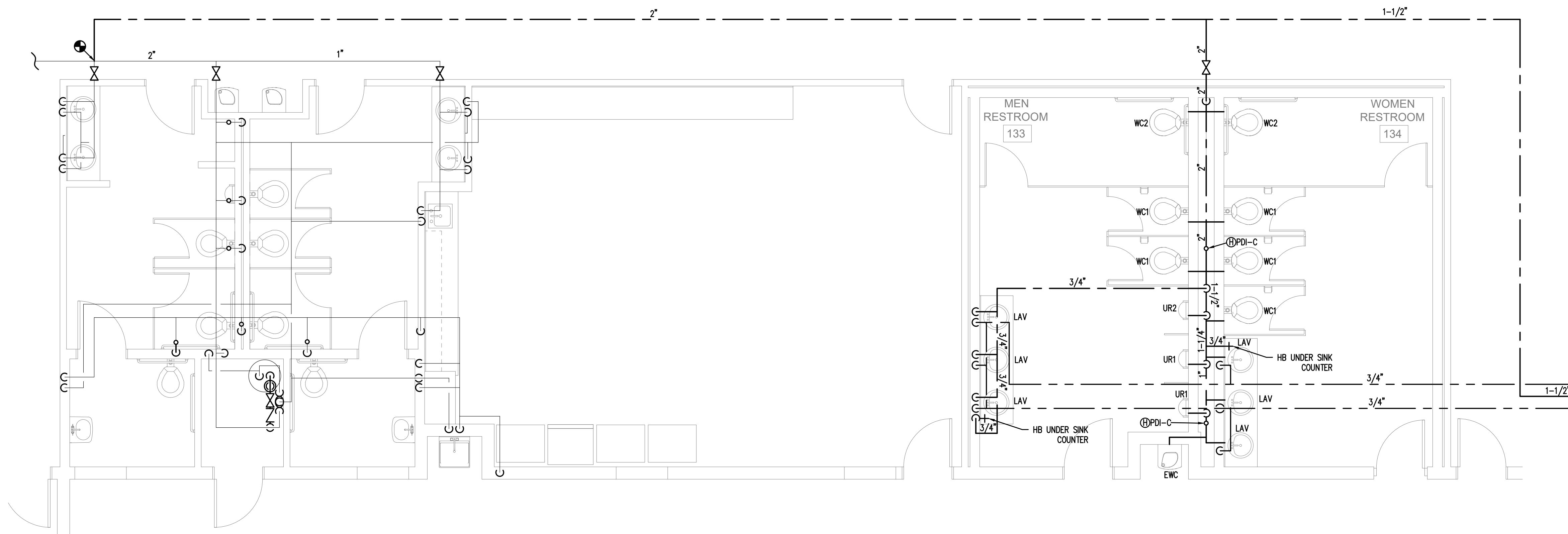
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**ENLARGED PLUMBING
PLANS - NEW WORK**

PROJECT NUMBER: 24-123
SHEET NUMBER:

P203



MODIFY EXISTING FIRE
SPRINKLER SYSTEM
TO CONFORM TO NEW
BUILDING LAYOUT.



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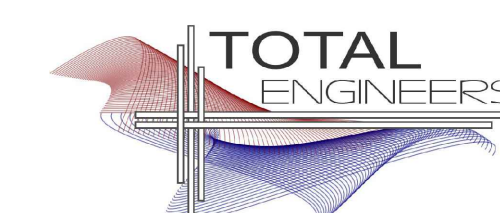
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PLANS - NEW WORK

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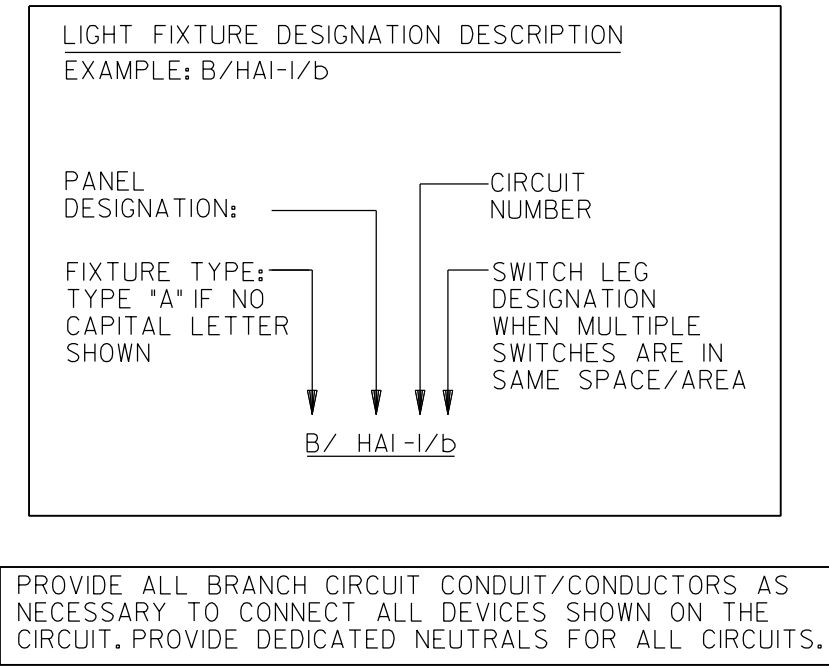
<

LIGHTING FIXTURE SCHEDULE		
TYPE	DESCRIPTION	MANUFACTURER
A	2 FT. X 4 FT. RECESSED EDGE LIT FLAT PANEL; ALUMINUM FRAME CONSTRUCTION; SATIN WHITE LENS FOR FULLY LUMINOUS APPEARANCE. LAMPS: LED, 4000 LUMENS MINIMUM, 38 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "EPANL" SER., METALUX "FP" SER., COLUMBIA "CFP" SER.
B	2 FT. X 4 FT. SURFACE EDGE LIT FLAT PANEL; ALUMINUM FRAME CONSTRUCTION; SATIN WHITE LENS FOR FULLY LUMINOUS APPEARANCE. LAMPS: LED, 4000 LUMENS MINIMUM, 38 WATTS, 3500 DEGREE K DRIVER: UNV. VOLT	LITHONIA "EPANL" SER., METALUX "FP" SER., COLUMBIA "CFP" SER.
	LED INTEGRATED THERMOPLASTIC COMBO EXIT/EMERGENCY, IMPACT RESISTANT HOUSING; TOP, END, OR BACK MOUNTING STANDARD, UNIVERSAL FIELD SELECTABLE SINGLE OR DOUBLE FACE, FIELD SELECTABLE RED OR GREEN ILLUMINATION, FIELD SELECTABLE CHEVRONS, WHITE / BLACK ENCLOSURE (PROVIDE 90 MIN. BACK-UP BATTERY).	SURE-LITES "LPX-C" SER., LITHONIA "LHOM" SER., COMPASS "CC" SER.,
	LED 2 HEAD EMERGENCY UNIT, ROUND HEAD, LOW PROFILE CONTEMPORARY DESIGN WITH THERMOPLASTIC HOUSING, IMPACT RESISTANT, DAMP LOCATION LISTED.(PROVIDE 90 MIN. BACK-UP BATTERY).	COMPASS "CUG" SER., EMERG-LITE EL-2LED" SER.
	LAMPS: LED (2) LOW DRIVER: UNV. VOLT DRIVER	

- NOTES:
1. CONTRACTOR TO VERIFY ALL VOLTAGES, GRID AND CEILING TYPES WITH THE ARCHITECT AND COORDINATE FIXTURE DIMENSION SIZE TO ENSURE A PROPER FIT IN ALL CEILING TYPES PRIOR TO ORDERING.
2. ALL LUMENS LISTED ARE DELIVERED LUMENS, ALL EQUALS TO SPECIFIED FIXTURES SHALL NOT BE ANY LOWER THAN 5% OF SPECIFIED LUMENS, WATTAGE SHALL NOT BE HIGHER THAN 15% OF SPECIFIED WATTAGE.
3. LISTING OF MANUFACTURERS DOES NOT EQUAL AUTOMATIC APPROVAL. ALL CHARACTERISTICS NOTED IN DESCRIPTION SECTION MUST BE MET IN ORDER TO BE APPROVED, WHERE VENDOR/REP. DOES NOT HAVE ONE, MANUFACTURER LISTED, PRIOR APPROVAL IS REQUIRED TO BE SUBMITTED TO ENGINEER TEN (10) DAYS PRIOR TO BID.
4. PROVIDE UNSWITCHED HOT TO EXIT SIGNS, EMERGENCY FLOOD LIGHTS AND EXTERIOR BUILDING EGRESS LIGHTING.

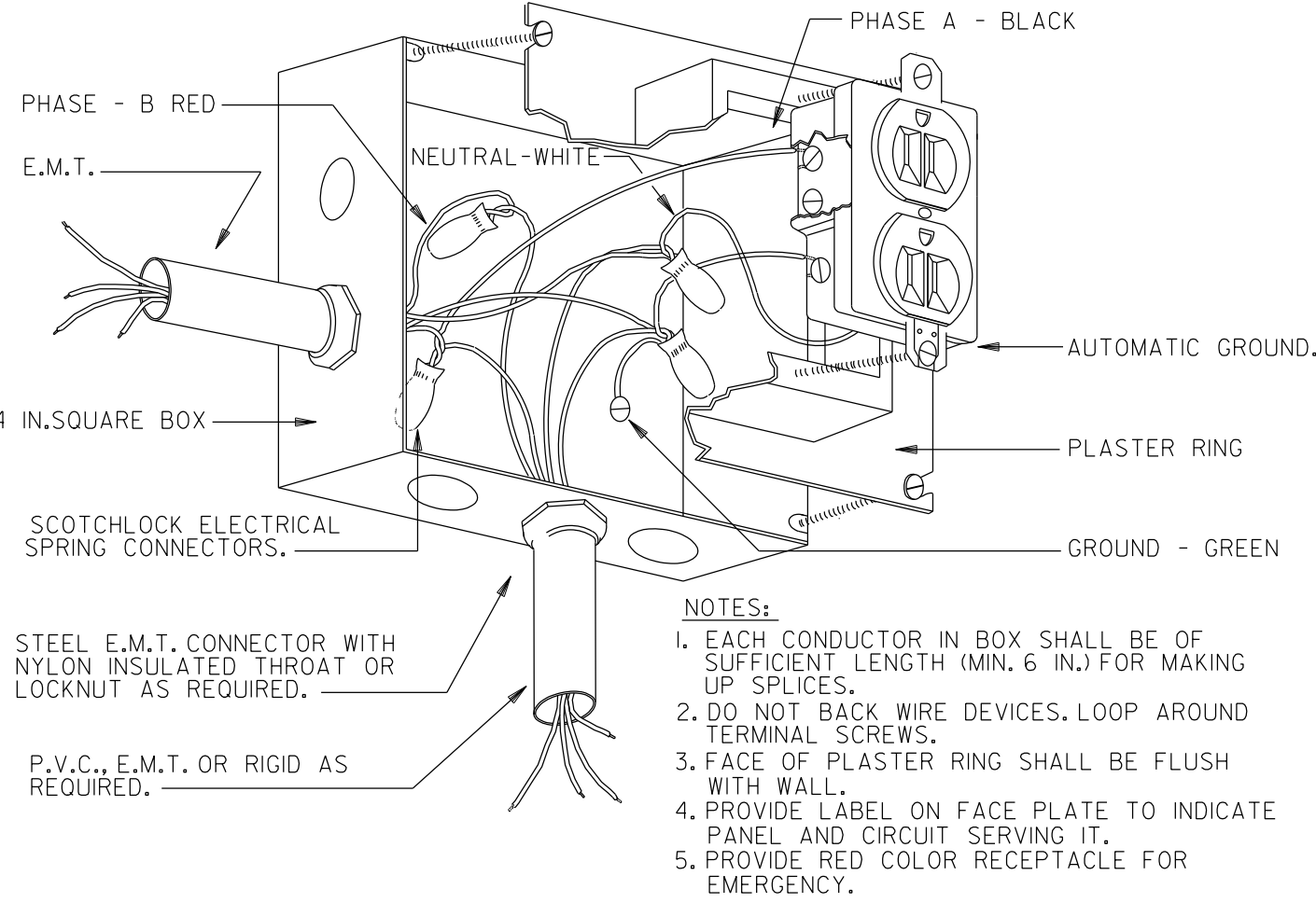
GENERAL NOTES:

- A. ALL FLUSH RECESSED OUTLET BOXES SHALL BE INSTALLED SUCH THAT FRONT EDGE OF THE BOX WILL NOT BE SET BACK OF THE FINISHED SURFACE MORE THAN 1/4 IN. IN ORDER TO COMPLY WITH N.E.C. 314-20. SUPPORT OF OUTLET BOX BY RECEPTACLE AND COVERPLATE IS NOT ACCEPTABLE. CAREFULLY COORDINATE ROUGH-IN WITH BLOCK MASONS AND GROUT-IN CELL CONTAINING OUTLET BOX.
- B. DO NOT SCALE DRAWINGS TO LOCATE EQUIPMENT OR OUTLETS. MOUNTING HEIGHTS AS INDICATED ON THE DRAWINGS SHALL BE FROM THE FINISHED FLOOR TO THE CENTER LINE OF THE OUTLET BOX.
- C. THE ELECTRICAL DRAWINGS ARE ONLY A PART OF THE CONTRACT DOCUMENTS. ALL OF THE DRAWINGS AND SPECIFICATIONS MUST BE REVIEWED FOR THEIR INTERRELATIONSHIP AND REQUIRED COORDINATION BETWEEN DISCIPLINES.



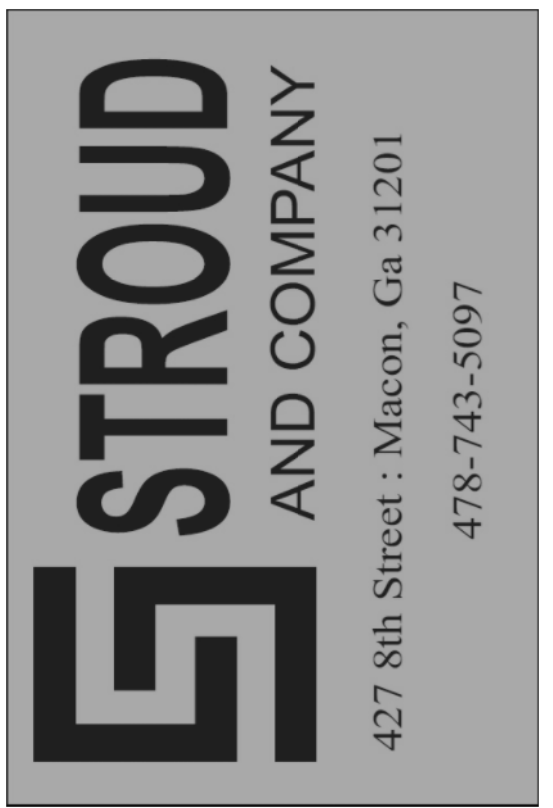
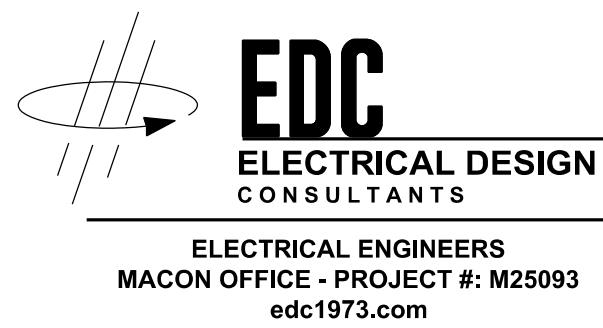
ELECTRICAL LEGEND	
LIGHTING AND POWER	
	CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL. HASH MARKS INDICATE NUMBER OF CONDUCTORS. (3 WIRE UNLESS SHOWN)
	CONDUIT RUN CONCEALED BELOW FLOOR SLAB, OR UNDERGROUND.
	HOMERUN TO PANELBOARD, LETTER OR LETTERS INDICATE PANELBOARD. NUMBERS INDICATES CIRCUIT NUMBERS.
	LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE.
	LIGHTING FIXTURE, WALL BRACKET MOUNTED. (SEE ARCHITECTURAL FOR MOUNTING HEIGHT.)
	LIGHT FIXTURE, SEE SCHEDULE FOR MOUNTING AND TYPE. PROVIDE WITH 1100 LUMEN, 90 MINUTE BATTERY PACK.
	DUPLEX CONVENIENCE OUTLET, 18 IN. ABOVE FLOOR UNLESS OTHERWISE NOTED.
	DUPLEX CONVENIENCE OUTLET, MOUNTED ABOVE COUNTER AT 3 FT.- 4 IN. TO BOTTOM OF BOX.
	DUPLEX CONVENIENCE OUTLET, GFITYPE, 18 IN. MOUNTING HEIGHT. "WP" WHERE SHOWN INDICATES WEATHERPROOF. PROVIDE METAL IN-USE WEATHERPROOF COVERPLATE.
	DUPLEX CONVENIENCE OUTLET, GFI TYPE, MOUNTED ABOVE COUNTER, MOUNT AT 3 FT.- 4 IN. TO BOTTOM OF BOX.
	QUADRUPLEX CONVENIENCE OUTLET, 18 IN. ABOVE FLOOR UNLESS OTHERWISE NOTED.
	SINGLE POLE TOGGLE SWITCH, 42 IN. MOUNTING HEIGHT.
	THREE OR FOUR WAY SWITCH AS INDICATED, 42 IN. MOUNTING HEIGHT.
	0-10 VOLT SLIDE TYPE DIMMER, 42 IN. ABOVE FLOOR. (MANUAL ON TO 50%, DIM 1- 100%, AUTO OFF PER IECC 2015.) MUST BE COMPATIBLE WITH LIGHT FIXTURES, OCC/VAC SENSOR AND POWER PACKS.
	PANELBOARD, SEE SCHEDULE.
	DISCONNECT SWITCH, SIZE AS NOTED ON DRAWINGS.
TELEPHONE & DATA SYSTEMS (RACEWAY, BOXES AND PULL STRINGS ONLY)	
	COMBINATION COMPUTER AND TELEPHONE OUTLET, 18 IN. TO CENTER LINE OF OUTLET UNLESS NOTED OTHERWISE. (2 DATA, 1 TEL).
	COMPUTER OUTLET, 18 IN. ABOVE FLOOR UNLESS NOTED OTHERWISE (2 DATA).
	PLYWOOD BACKBOARD, "TB" INDICATES TELEPHONE BOARD.
LIGHTING CONTROL SENSORS	
	COMBINATION 360 DEGREE, ULTRASONIC AND PASSIVE INFRARED SENSOR (WATT STOPPER "DT-300", GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH. V INDICATES VACANCY SENSOR, UNIT MUST COMPLY WITH IECC 2015 REQUIREMENTS.)
	WALL MOUNTED SENSOR SWITCH, 42 IN. MOUNTING HEIGHT (WATTSTOPPER DW-100, GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).
	ULTRASONIC OCCUPANCY SENSOR (WATT STOPPER "WT-2250", GREENGATE, NOVITAS, HUBBELL, LEVITON, SENSOR SWITCH).
FIRE ALARM SYSTEM	
	HORN AND FLASHING LIGHT, 80 IN. ABOVE FLOOR TO THE BOTTOM OF THE LENS.
	STROBE LIGHT, 80 IN. ABOVE FLOOR TO THE BOTTOM OF THE LENS.
	FIRE ALARM PULL STATION, WALL MOUNTED 42 IN. ABOVE FLOOR.
	FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN HVAC SUPPLY DUCT. PROVIDE IN UNITS 2000 CFM AND GREATER. UNIT LOCATED BY HVAC CONTRACTOR, SUPPLIED AND INSTALLED BY FIRE ALARM SUBCONTRACTOR.
	SMOKE DETECTOR, PHOTOELECTRIC TYPE.

- NOTE:
1. ALL MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET OR DEVICE.
2. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (TYPE "TR").



RECEPTACLE CONNECTION DETAIL

NOT TO SCALE



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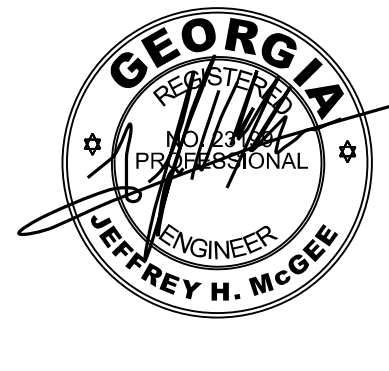
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PROJECT NAME:
CHEM AQUA - JOE TAMPLIN - INTERIOR RENOVATION

PROJECT ADDRESS:
3000 INDUSTRIAL BLVD
MACON, GA 31217

STAMP:



DRAWN: AJM	CHECKED: JHM
APPROVED: JHM	ISSUE DATE: 10/17/25

REVISONS:	ISSUE	Date
No.		

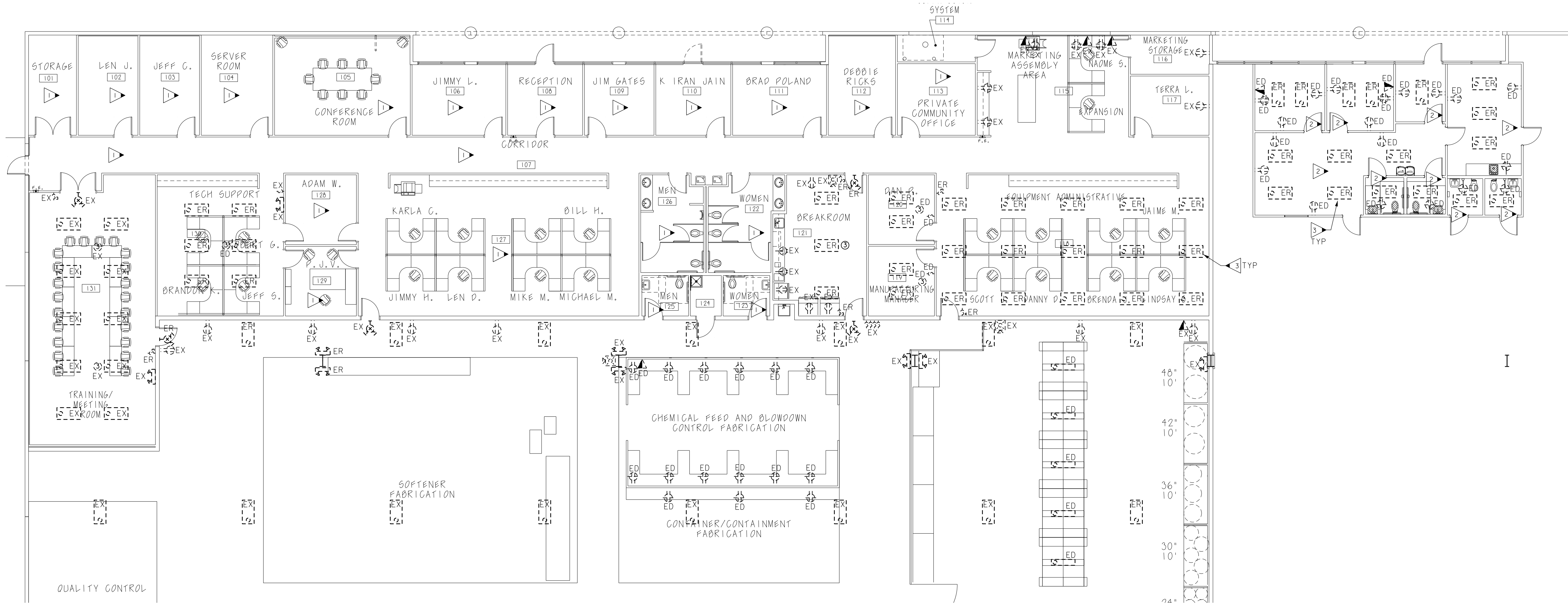
SHEET NAME:

ELECTRICAL LEGEND, SCHEDULES AND DETAILS

PROJECT NUMBER: 25047
SHEET NUMBER:

NOT ISSUED FOR CONSTRUCTION

PLOT DATE: 12/28/2014 10:28:05 AM



FLOOR PLAN - ELECTRICAL DEMOLITION
SCALE: 1" = 10'-0"

KEYED NOTES: (THIS SHEET ONLY)

- NO WORK IN THIS AREA UNLESS NOTED OTHERWISE.
- ELECTRICAL DEVICES SHOWN ARE BASED ON EXISTING DRAWINGS, FIELD VERIFY ACTUAL EXISTING CONDITIONS.
- EXISTING LIGHTING FIXTURES (ER) TO BE REMOVED AND STORED SO THAT LIGHTING FIXTURES ARE NOT DAMAGED DURING RENOVATION. LIGHTING FIXTURES ARE TO BE RE-USED IN NEW LOCATIONS, SEE E2.J.

GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

- REMOVE EXISTING LIGHTS (ONLY IN SPECIFIED AREAS) AND DISPOSE OF AS DIRECTED BY OWNER.
- PROVIDE BLANK COVERS ON ALL JUNCTION BOXES AND OUTLET BOXES NOT INTENDED FOR REUSE. PROVIDE BLANK COVERS OVER ANY AND ALL UNCOVERED EXISTING JUNCTION OR OUTLET BOXES.
- EXISTING CEILINGS, WALLS, AND FLOORS DISTURBED OR DISFIGURED BY THE ELECTRICAL RENOVATION SHALL BE PATCHED, MENDED OR REPLACED BY TRADES ACTIVELY PARTICIPATING IN THIS TYPE OF WORK. RESPONSIBILITY FOR REPAIRS SHALL BE COORDINATED BETWEEN GENERAL CONTRACTOR AND ELECTRICAL SUBCONTRACTOR.
- ALL EXISTING EQUIPMENT REMOVED FROM SERVICE AND NOT INTENDED FOR REUSE SHALL REMAIN THE PROPERTY OF OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER.
- MAINTAIN SERVICE TO ALL EXISTING CIRCUITS THAT ARE NOT SCHEDULED FOR REMOVAL.
- ALL ACCESSIBLE ITEMS OF ELECTRICAL EQUIPMENT CONDUITS, WIRING, LIGHTS, RECEPTACLES, ETC. AFFECTED BY THE RENOVATION WORK AND NOT REQUIRED IN THE COMPLETED WORK SHALL BE CAREFULLY REMOVED. DAMAGED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PATCHED AND FINISHED TO MATCH THE EXISTING ADJACENT SURFACES. REMOVED ITEMS SHALL BE PROPERLY DISPOSED OF OFF SITE AND NOT REUSED EXCEPT AS NOTED. TURN OVER ALL EXISTING EQUIPMENT DESIRED BY BUILDING OWNER.
- RECONNECT CIRCUITS AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEVICES AND EQUIPMENT TO REMAIN.
- WHERE ONLY A PORTION OF A CIRCUIT'S LOAD IS SCHEDULED TO BE REMOVED. REMOVE ONLY THAT PORTION ASSOCIATED WITH THE DEMOLISHED DEVICE TO A POINT WHERE THE REMAINING LOAD IS ACTIVE AND MAINTAINED IN A GOOD OPERATING CONDITION.
- EXISTING EQUIPMENT SHOWN ON ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS THAT WILL REMAIN SHALL HAVE SERVICE MAINTAINED OR RECONNECTED TO EXISTING OR NEW PANELBOARD AS NECESSARY.
- TO MAINTAIN SERVICE OR TO EXTEND OR RECONNECT CIRCUITS WHERE CONDUIT CAN NOT BE CONCEALED, SURFACE METAL RACEWAY (WIREMOLD V700 SERIES PAINTED TO MATCH WALLS) MAY BE USED. VERIFY WITH ARCHITECT BEFORE INSTALLING.
- ELECTRICAL CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS AND SITE CONDITIONS FOR DOOR SWINGS, CABINETS, COUNTERS AND OTHER BUILT-IN EQUIPMENT. CONDITIONS INDICATED ON ARCHITECTURAL DRAWING SHALL GOVERN.
- COORDINATE ELECTRICAL WITH ARCHITECTURAL DETAILS, FLOOR PLANS, ELEVATIONS, STRUCTURAL, MECHANICAL AND PLUMBING DRAWINGS. PROVIDE FITTINGS, JUNCTION BOXES AND ACCESSORIES TO MEET CONDITIONS. COORDINATE ROUTING OF ALL NEW FEEDERS WITH EXISTING SITE ELEMENTS. ALL FEEDERS SHALL BE CONCEALED EXCEPT IN MECHANICAL/ELECTRICAL SPACES WITH SURFACE MOUNTED PANELS.
- ENSURE ALL EXISTING TELEPHONE, DATA, TELEVISION, INTERCOM, FIRE ALARM, SECURITY AND OTHER LOW VOLTAGE CABLING IS SECURED TO STRUCTURE AND PROTECTED FROM DAMAGE DURING DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL SYSTEMS IN WORKING ORDER.

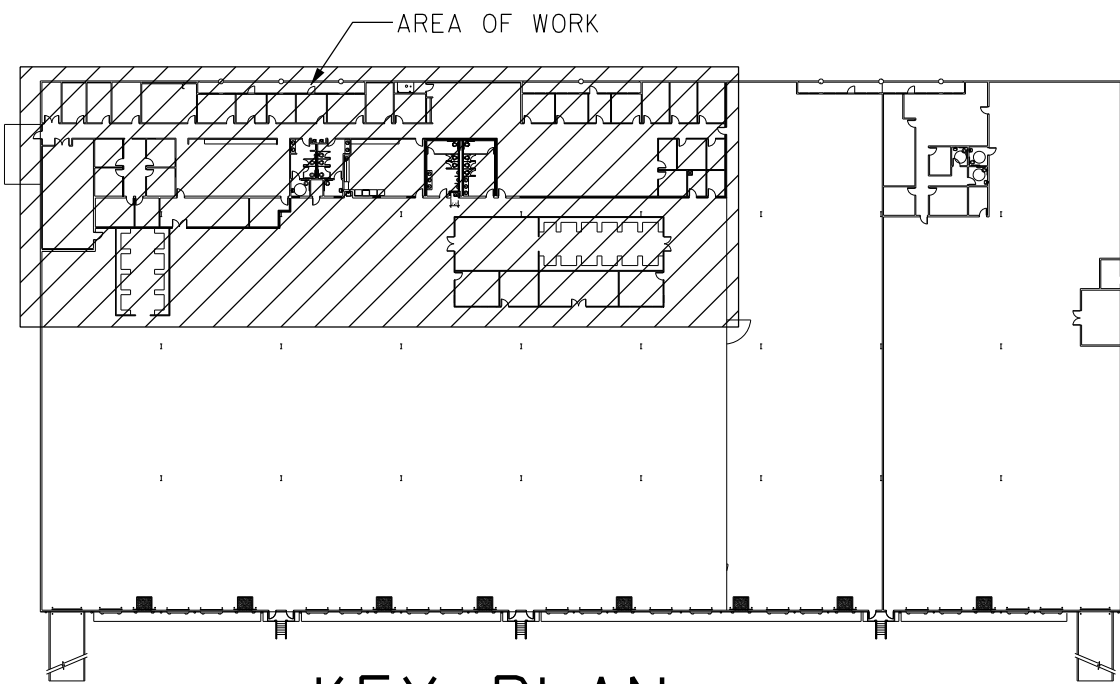
DEMOLITION LEGEND	
ED	EXISTING DEVICE TO BE DEMOLISHED.
ER	EXISTING DEVICE TO BE RELOCATED, PROVIDE NEW DEVICE AND FACEPLATE.
EX	EXISTING DEVICE TO REMAIN, PROVIDE NEW DEVICE AND FACEPLATE.

COORDINATION NOTE:

CONTRACTOR SHALL CAREFULLY REVIEW HVAC AND ELECTRICAL DRAWINGS PRIOR TO BID. ALL HVAC EQUIPMENT TO REMAIN, EQUIPMENT BEING REPLACED, AND NEW EQUIPMENT SHALL BE PROVIDED POWER. ELECTRICAL DRAWINGS SHOW THE MEANS OF PROVIDING POWER. HOWEVER, ALL EQUIPMENT MUST BE POWERED WHETHER SHOWN OR NOT.

WHERE ELECTRICAL DRAWINGS SHOW PROVIDING BREAKERS IN EXISTING PANELS TO SERVE EQUIPMENT, CONTRACTOR SHALL VERIFY AVAILABLE SPACE. IF NOT AVAILABLE, CONTRACTOR SHALL PROVIDE BREAKER IN CLOSEST PANEL WITH AVAILABLE CAPACITY AND SPACE.

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



KEY PLAN



STROUD
AND COMPANY
427 8th Street : Macon, Ga 31201
478-743-5097

ALL Architecture, LLC

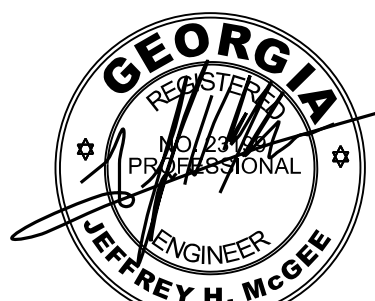
2052 CHRYSLER DRIVE NE
ATLANTA, GA 30345
PHONE: 404-316-2896
E-MAIL: INFO@ALLARCHLLC.COM

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CHEM AQUA - JOE TAMPLIN -
INTERIOR RENOVATION

PROJECT ADDRESS:
SHELBY INDUSTRIAL BLVD
MACON, GA 31217

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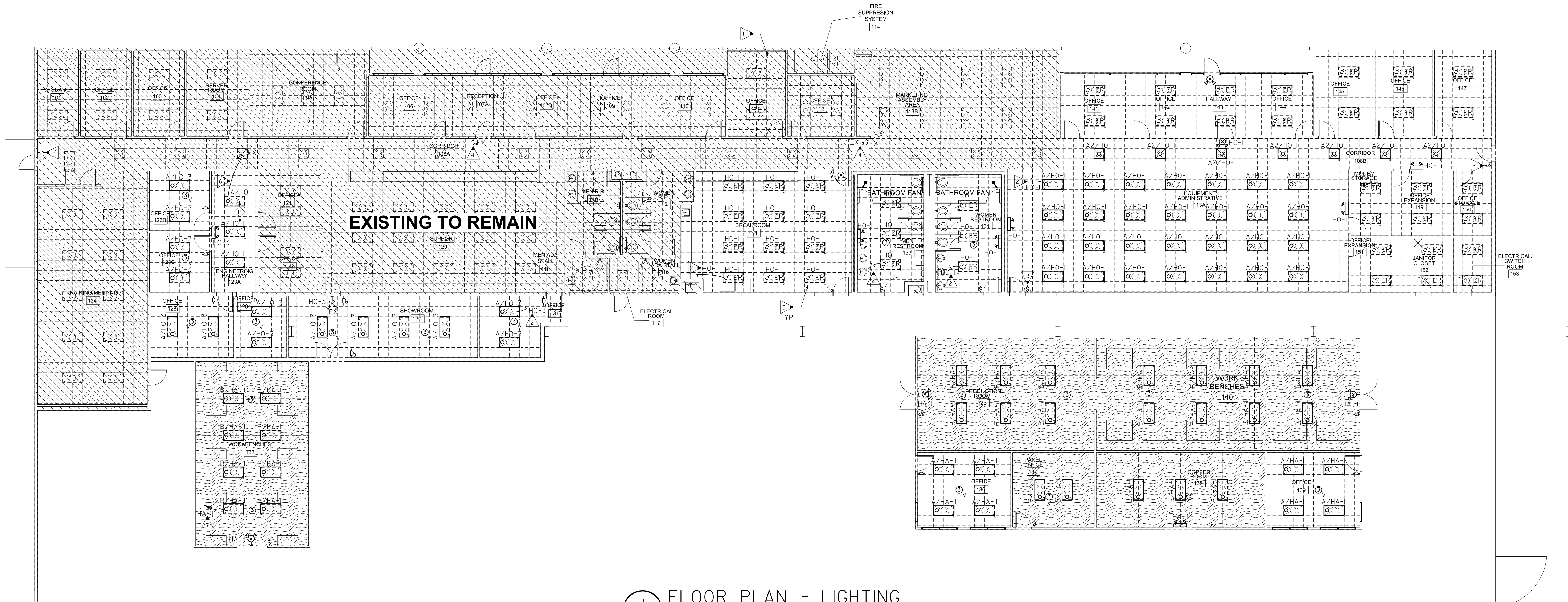
REVISIONS:	No.	ISSUE	Date

SHEET NAME:

FLOOR PLAN -
ELECTRICAL
DEMOLITION

PROJECT NUMBER: 25047
SHEET NUMBER:

PLOT DATE: 12/28/2014 10:28:05 AM



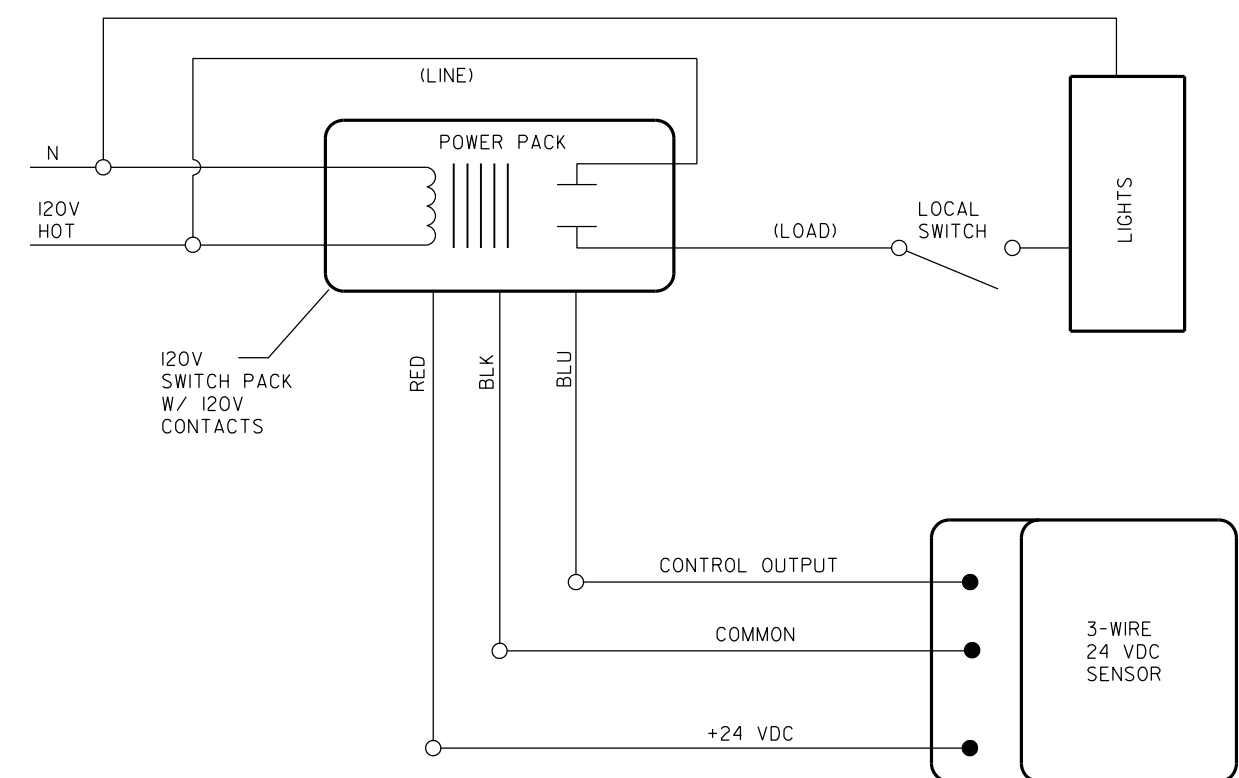
1 FLOOR PLAN - LIGHTING
E2.1 SCALE: 1" = 10'-0"

KEYED NOTES: (THIS SHEET ONLY)

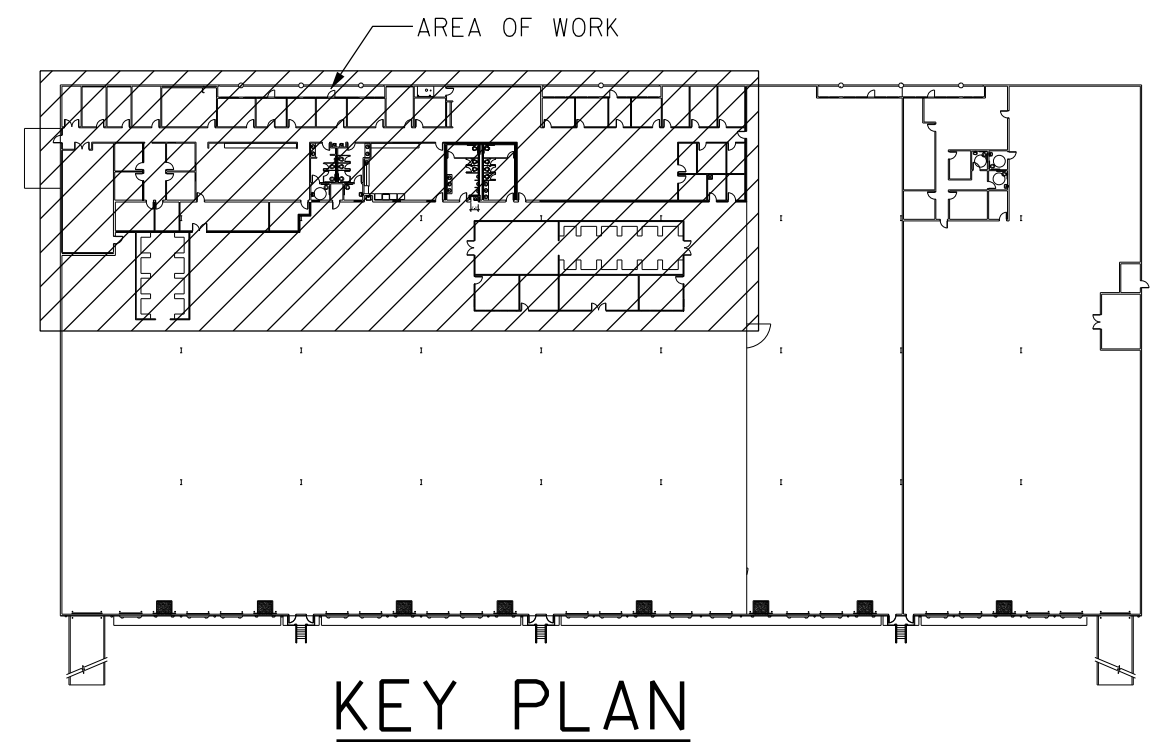
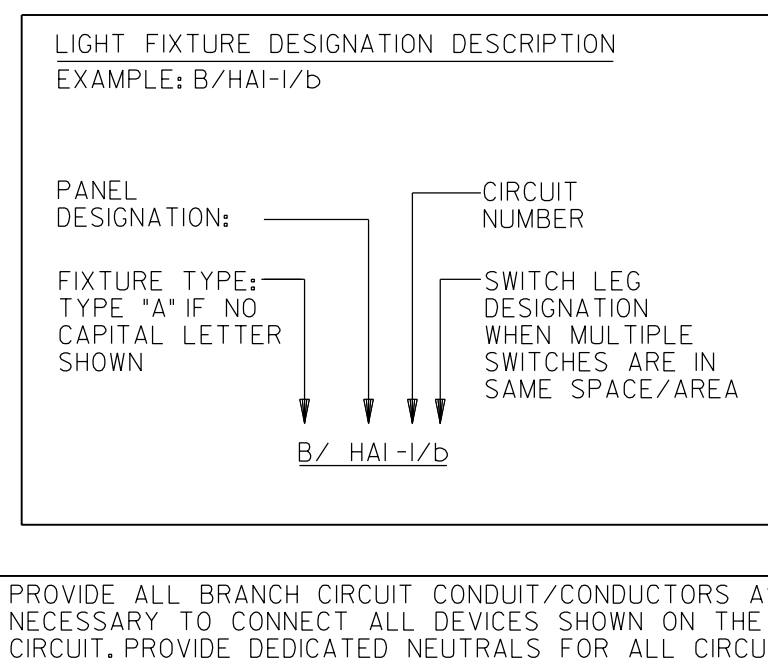
- 1 HATCHED AREA INDICATES NO WORK IN THIS AREA UNLESS NOTED OTHERWISE.
- 2 CIRCUIT TO EXISTING LIGHTING BRANCH CIRCUIT SERVING THIS AREA. BRANCH CIRCUIT SHOWN FOR THIS AREA IS BASED ON EXISTING DRAWINGS. FIELD VERIFY ACTUAL EXISTING CONDITIONS. ENSURE NOT TO EXCEED ALLOWABLE WATTAGE PER BRANCH CIRCUIT.
- 3 NEW SWITCH TO CONTROL IN THE SAME MANNER AS EXISTING SWITCHES KEYED NOTED 4 THAT SERVE EXISTING CORRIDOR LIGHTING. PROVIDE ADDITIONAL SWITCH LEGS/RUNNERS TO ACHIEVE DESIGN INTENT THROUGH OUT BRANCH CIRCUIT.
- 4 EXISTING 3-WAY OR 4-WAY SWITCH TO REMAIN. SEE KEYED NOTE 3.
- 5 EXISTING LIGHTING FIXTURE (ER) IN NEW LOCATION. INSPECT, CLEAN AND ENSURE LIGHTING FIXTURE IS IN PROPER WORKING CONDITION AND NOT DAMAGED. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND.
- 6 CIRCUIT TO EXISTING LIGHTING BRANCH CIRCUIT SHOWN. FIELD VERIFY ACTUAL EXISTING CONDITIONS. ENSURE NOT TO EXCEED ALLOWABLE WATTAGE PER BRANCH CIRCUIT.
- 7 CIRCUIT TO SPARE 20A/1P BRANCH CIRCUIT. AVAILABLE SPARE BRANCH CIRCUIT SHOWN IS BASED ON EXISTING DRAWINGS. FIELD VERIFY ACTUAL EXISTING CONDITIONS.

GENERAL NOTES:

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



2 SCHEMATIC WIRING DIAGRAM -
E2.1 SENSOR CONTROL - LIGHTING
NOT TO SCALE (SEE MANUFACTURERS RECOMMENDATION FOR SCHEMATIC WHERE MULTIPLE SENSORS OCCUR IN SAME SPACE.)



EDC
ELECTRICAL DESIGN
CONSULTANTS
ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M25093
edc1973.com

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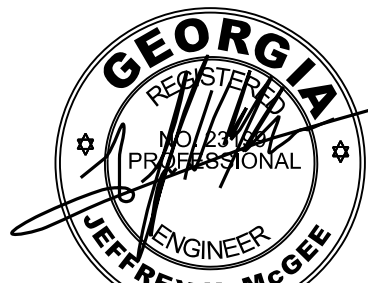
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INTERIOR RENOVATION
PROJECT ADDRESS:
5000 GORDON INDUSTRIAL BLVD
MACON, GA 31217

STAMP:



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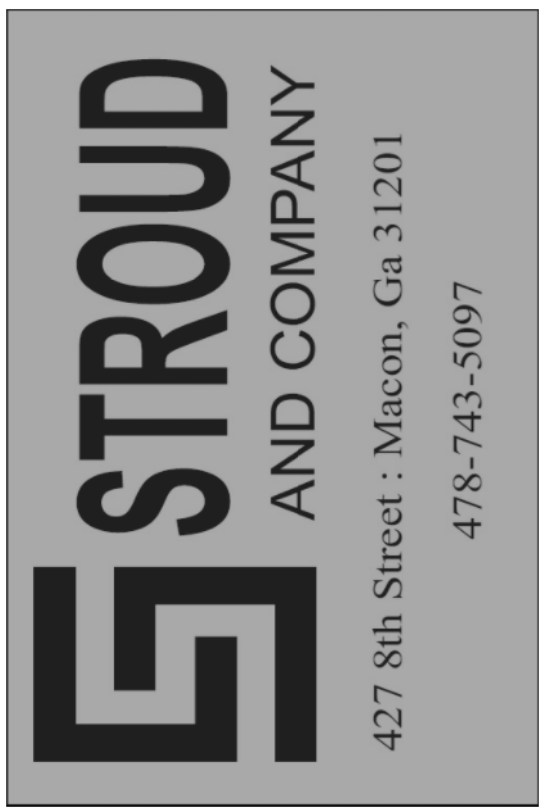
SHEET NAME:

ELECTRICAL
LIGHTING PLAN

PROJECT NUMBER: 25047
SHEET NUMBER:

E2.1

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PROJECT NAME: CHEM AQUA - JOE TAMPLIN - INTERIOR RENOVATION

PROJECT NAME:
CHEM AQ
INTERIOR

PROJECT ADDRESS:
580 JOE TAMPLIN INDUSTRIAL BLVD
MADISON, TN 37115

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No.	ISSUE	Date

SHEET NAME:

FLOOR PLAN -
POWER AND SYSTEMS

PROJECT NUMBER: 25047

SHEET NUMBERS:

E3.1

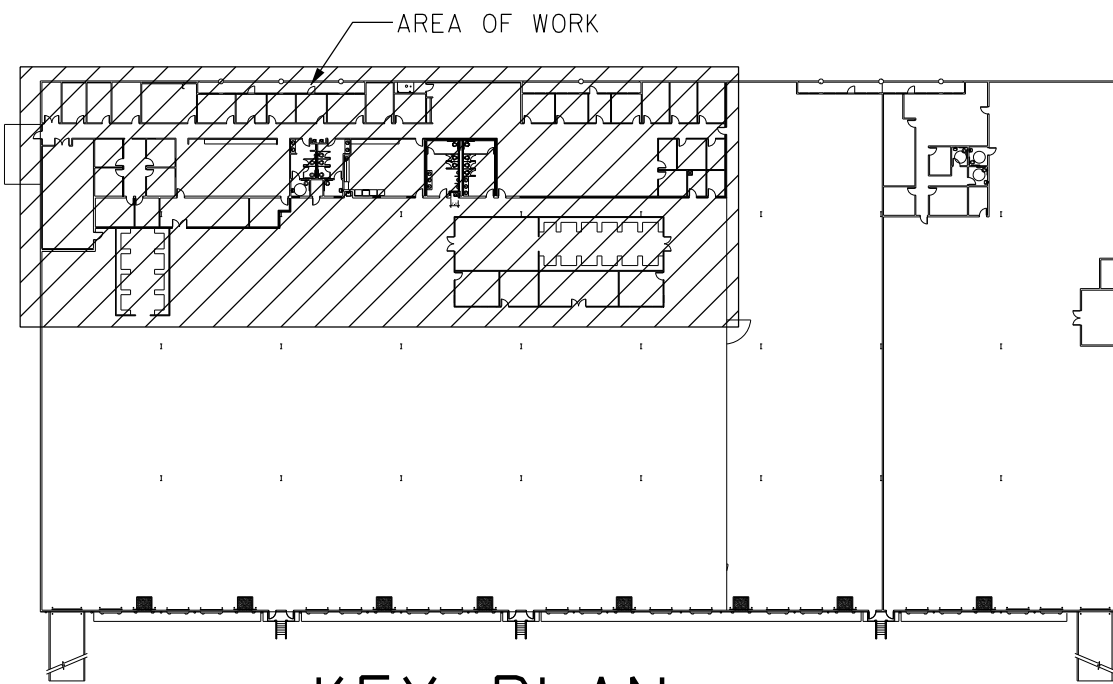
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MECHANICAL/PLUMBING EQUIPMENT POWER SCHEDULE						
UNIT NAME	VOLTAGE / PHASE	CIRCUIT BREAKER	PANEL NAME / CIRCUIT NUMBER	FEEDER	DISCONNECT SWITCH	NOTES
AH-1	208V/1Ø	50A/2P	LC-43	3*6,"10G,3/4 IN. C.	60A/2P	1,2
AH-2	208V/1Ø	50A/2P	LC-51	3*6,"10G,3/4 IN. C.	60A/2P	1,2
AH-3	208V/1Ø	60A/2P	LC-59	3*6,"10G,3/4 IN. C.	60A/2P	1,2
AH-4	208V/1Ø	60A/2P	LC-67	3*6,"10G,3/4 IN. C.	60A/2P	1,2
AH-5	208V/1Ø	60A/2P	LC-56	3*6,"10G,3/4 IN. C.	60A/2P	1,2
HP-1	208V/1Ø	40A/2P	LC-47	3*6,"10G,3/4 IN. C.	60A/2P/3R	1
HP-2	208V/1Ø	40A/2P	LC-55	3*6,"10G,3/4 IN. C.	60A/2P/3R	1
HP-3	208V/1Ø	50A/2P	LC-63	3*6,"10G,3/4 IN. C.	60A/2P/3R	1
HP-4	208V/1Ø	60A/2P	LC-71	3*6,"10G,3/4 IN. C.	60A/2P/3R	1
HP-5	208V/1Ø	60A/2P	LC-60	3*6,"10G,3/4 IN. C.	60A/2P/3R	1
HP/U/ACU-I	208V/1Ø	20A/2P	LC-64	4*12,3/4 IN. C.	30A/2P/3R	1,3
EF-1	120V/1Ø	20A/IP	NOTE 6, LC-39	3*12,1/2 IN. C.	MOTOR RATED SWITCH	1,4,6
EF-2	120V/1Ø	20A/IP	LC-39	3*12,1/2 IN. C.	MOTOR RATED SWITCH	1,5
WH-1	208V/1Ø	30A/2P	LC-68	4*10,3/4 IN. C.	30A/2P	
RC-1 (CIRC. PUMP)	120V/1Ø	20A/IP	LC-39	3*12,1/2 IN. C.	MOTOR RATED SWITCH	
NOTES:	1. SEE MECHANICAL FOR EXACT CONTROL REQUIREMENTS. 2. PROVIDE DUCT SMOKE DETECTOR IN SUPPLY AIR DUCT. UNIT SHALL COME COMPLETE WITH SAMPLING TUBE AND REMOTE TEST/RESET STATION LOCATED IN MECH/ELEC ROOM IN ACCESSIBLE LOCATION. DETECTOR SHALL SHUT DOWN UNIT UPON ACTIVATION. 3. INDOOR UNIT POWERED VIA OUTDOOR UNIT. PROVIDE MOTOR RATED SWITCH AT INDOOR UNIT AND 3/4 INCH CONDUIT FOR MANUFACTURER LINESET. 4. INTERLOCK FAN WITH LIGHTING CIRCUIT. PROVIDE 15 MINUTE TIME DELAY RELAY. PROVIDE UNSWITCHED HOT AT FAN. PROVIDE 120V/277V CONTACTOR FOR CONTROLS. 5. FAN CONTROLLED BY 365 TIME CLOCK PROVIDED BY ELECTRICAL CONTRACTOR. MECHANICAL CONTRACTOR TO INSTALL TIME CLOCK. 6. CIRCUIT TO NEAREST 120V BRANCH CIRCUIT WITH CAPACITY. ENSURE NOT TO EXCEED ALLOWABLE WATTAGE FOR BRANCH CIRCUIT.					

- ▶ NO WORK IN THIS AREA UNLESS NOTED OTHERWISE.
- ▶ EXISTING ELECTRICAL EQUIPMENT TO REMAIN.
- ▶ RE-CIRCUIT RECEPTACLE TO BRANCH CIRCUIT SHOWN.
- ▶ PER EXISTING DRAWINGS THIS HOMERUN IS CIRCUITED WITH OTHER HOMERUNS (SHARING A COMMON NEUTRAL). INTERCEPT EXISTING BRANCH CIRCUIT HOMERUN SERVED FROM THIS EXISTING OUTLET. INTERCEPT EXISTING CONDUIT, CONDUCTORS AND EXTEND TO PANEL, PROVIDE ACCESSIBLE JUNCTION BOXES AS REQUIRED. BRANCH CIRCUIT SHOW IS BASED ON EXISTING DRAWINGS, FIELD VERIFY ACTUAL BRANCH CIRCUIT NUMBER BEING USED.
- ▶ JUNCTION BOX AT STRUCTURE FOR DATA/TEL AND POWER. PROVIDE A TWO-SECTION TELEX/POWER POLE FOR DATA/FURNITURE SYSTEM. POWER POLE TO BE NOMINAL 3"x3" WITH JUNCTION BOX AT BOTTOM TO TRANSITION TO HORIZONTAL. CABLE/CONDUIT CONCEALED IN FURNITURE SYSTEM. PROVIDE TELEX/POWER POLE OF ENG. SPEC. INCLUDING 1/2" MIN. THICKNESS. PROVIDE 1/2" MIN. JOINT FOR THE FURNITURE STRUCTURE. PROVIDE RIGID SUPPORT AT FLOOR AND AT CEILING / STRUCTURE. POLE TO BE WIREMOLD 30 SERIES OR EQUAL. COORDINATE WITH FURNITURE SYSTEM CONTRACTOR PRIOR TO ORDERING.
- ▶ JUNCTION BOX WITH PULL STRUT ROUTED TO ABOVE ACCESSIBLE CEILING FOR EXHAUST FAN. FAN TYPE FOR DROPCOORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- ▶ EXISTING ELECTRICAL EQUIPMENT TO REMAIN, SEE E4J4ND E4.2 FOR ADDITIONAL REQUIREMENTS.

- A. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, PRIOR TO ELECTRICAL ROUGH-IN.
- B. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- C. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN, NO EXCEPTIONS.
- D. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS, SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS.
- E. FIRE SEAL ALL FIREWALL PENETRATIONS.

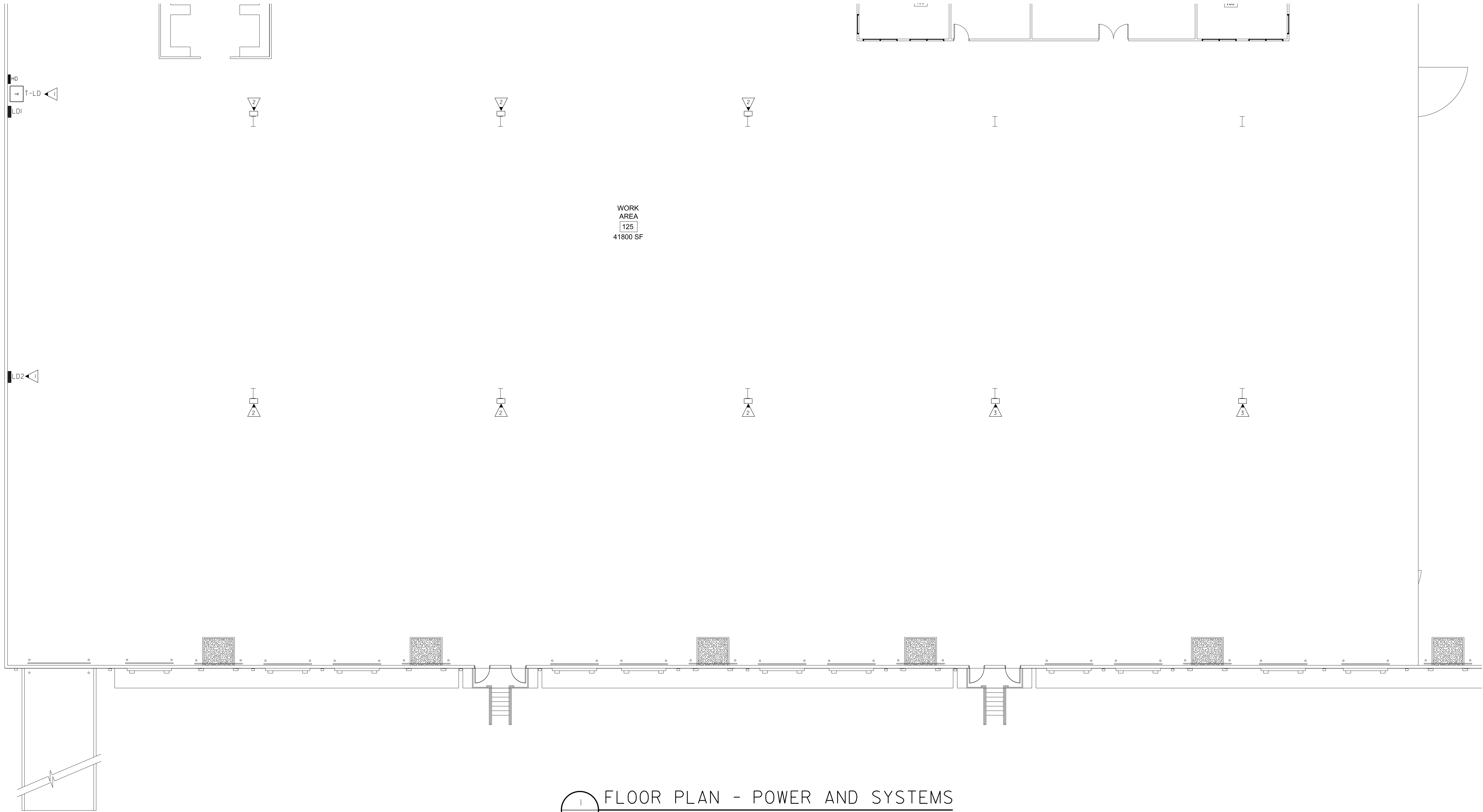
PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.



KEY PLAN



PLOT DATE: 12/28/2014 10:28:05 AM



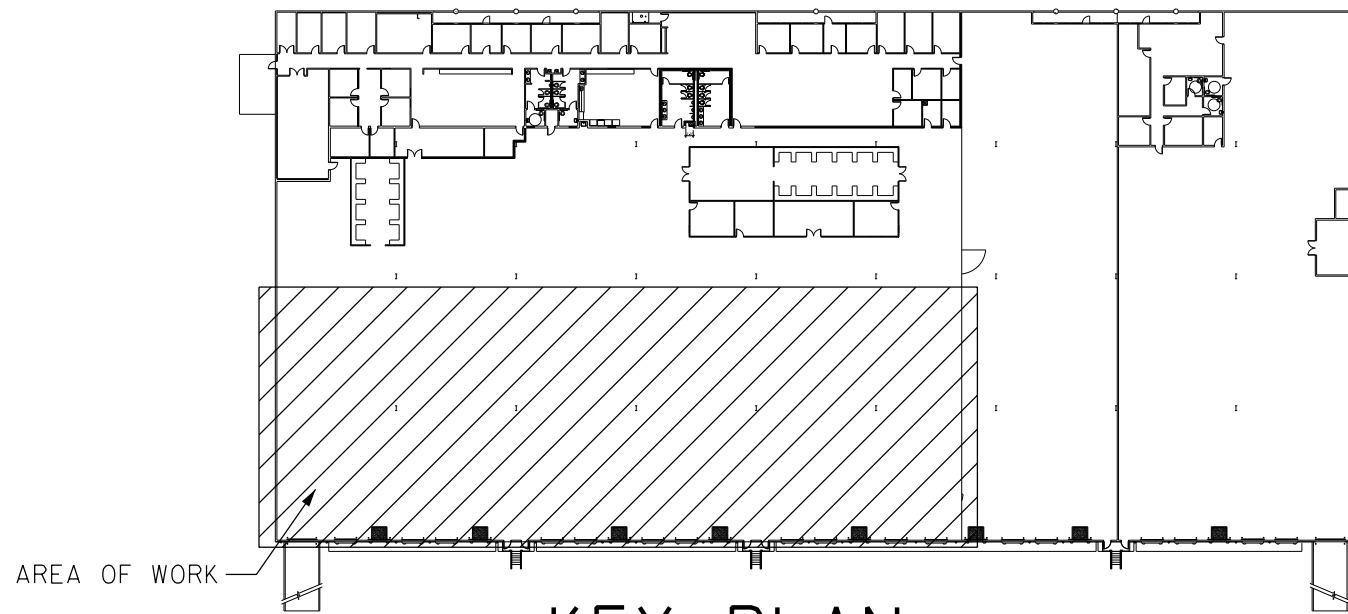
KEYED NOTES: (THIS SHEET ONLY)

- 1 NEW ELECTRICAL INFRASTRUCTURE TO SERVE WAREHOUSE LOADS.
- 2 LOCATION FOR WAREHOUSE FOLLOWING LOADS.
(1) 480V/3PH, 30A-3*10, #10G, 3/4 IN.C.
(2) 208V/3PH, 30A-3*10, #10G, 3/4 IN.C.
(3) 230V/1PH, 30A-2*10, #10G, 3/4 IN.C.
(4) 120V/1PH, 20A-3*12, 3/4 IN.C.
- 3 LOCATION FOR WAREHOUSE FOLLOWING LOADS.
(1) 230V/1PH, 30A-2*10, #10G, 3/4 IN.C.
(4) 120V/1PH, 20A-3*12, 3/4 IN.C.

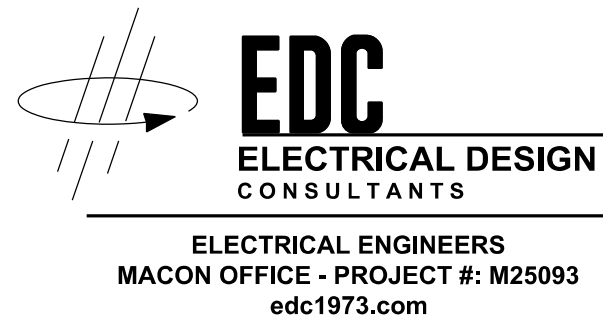
GENERAL NOTES:

- A. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, PRIOR TO ELECTRICAL ROUGH-IN.
- B. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
- C. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
- D. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS.
- E. FIRE SEAL ALL FIREWALL PENETRATIONS.

PROVIDE ALL BRANCH CIRCUIT CONDUIT/CONDUCTORS AS NECESSARY TO CONNECT ALL DEVICES SHOWN ON THE CIRCUIT. PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS.



KEY PLAN



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5000 E. GEORGIA INDUSTRIAL BLVD
MACON, GA 31217

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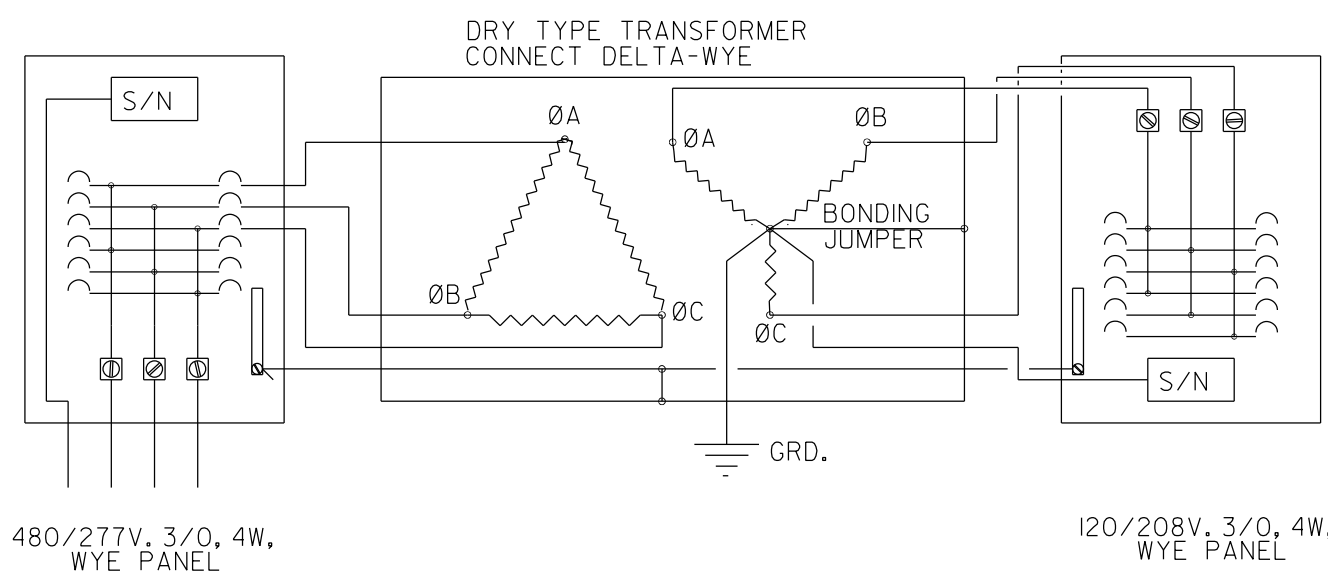
FLOOR PLAN -
POWER AND SYSTEMS

PROJECT NUMBER: 25047

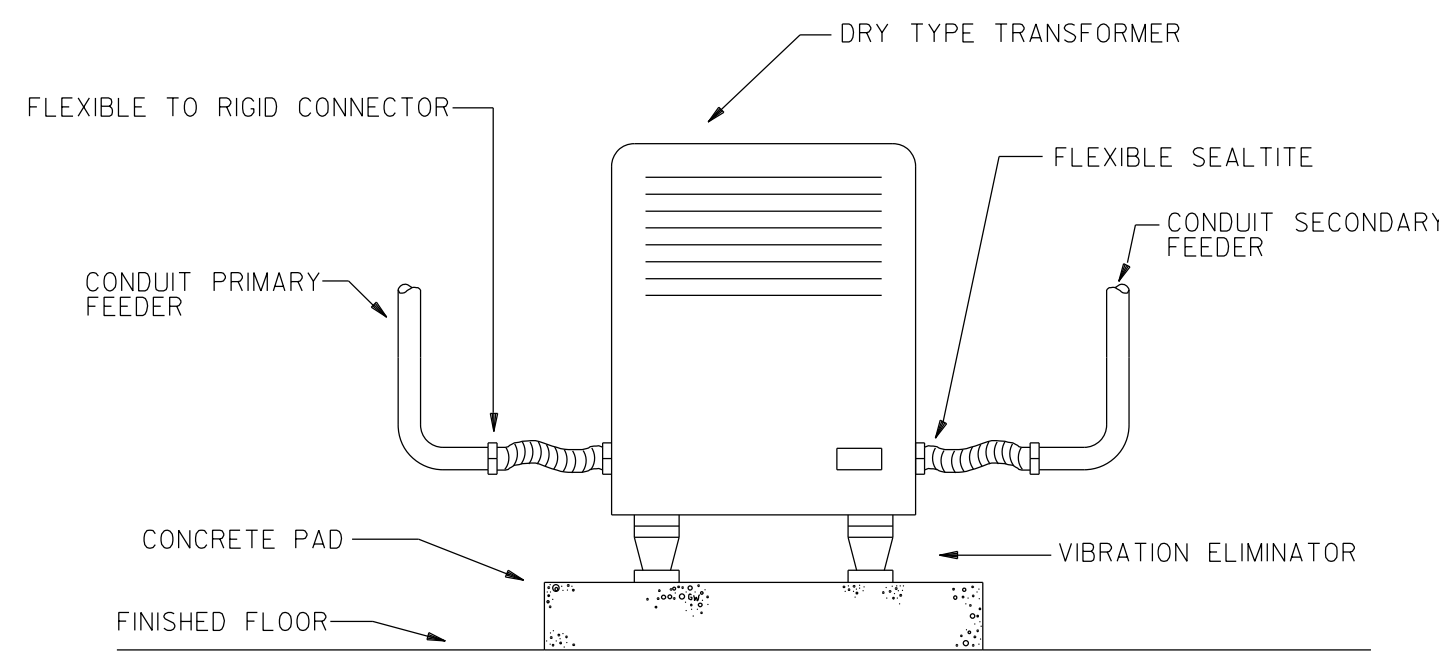
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E3.2

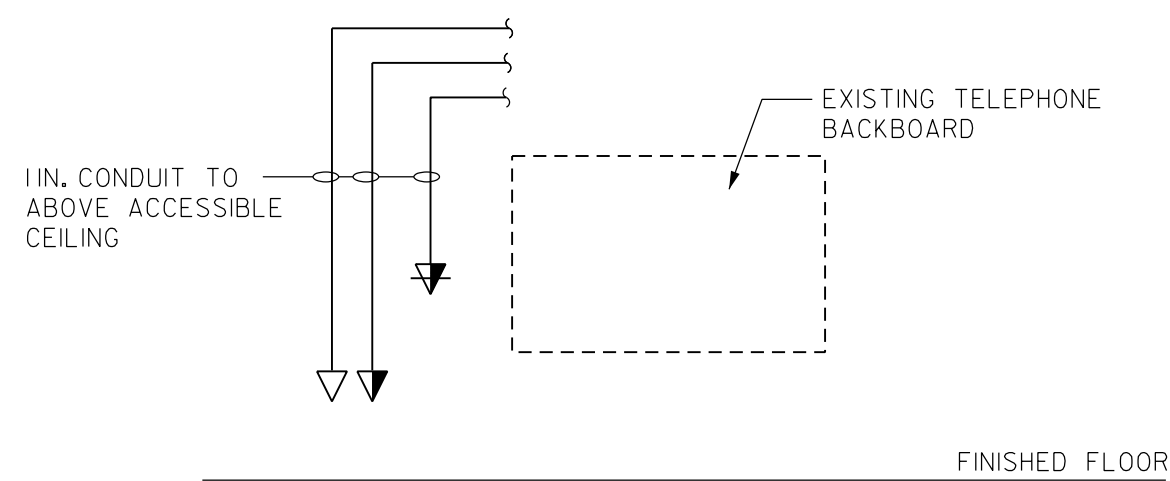
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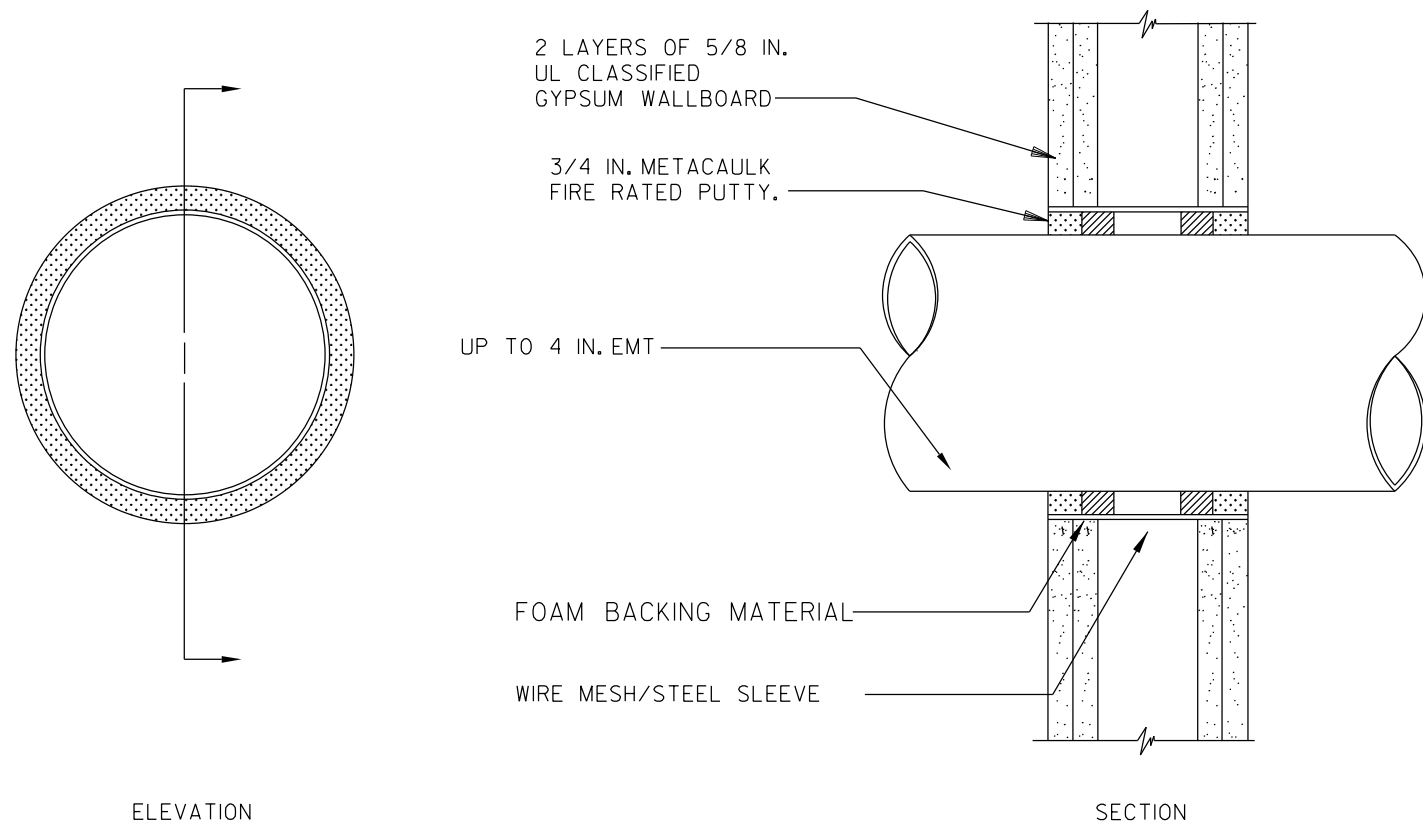
2 DRY TYPE TRANSFORMER CONNECTION
E4.1 NOT TO SCALE



3 FLOOR MOUNTED TRANSFORMER
E4.1 NOT TO SCALE



4 DATA/TELEPHONE RISER
E4.1 NOT TO SCALE



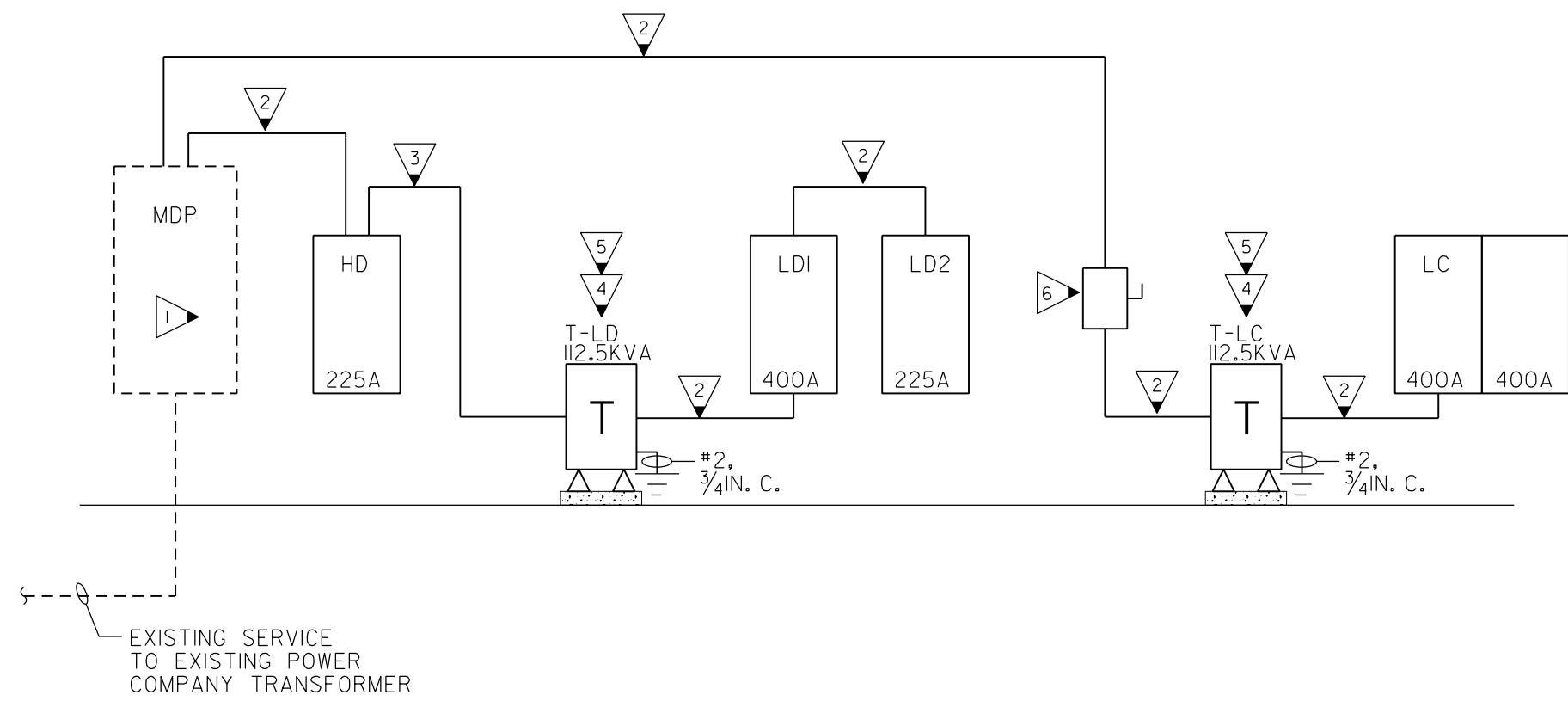
NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

6 DETAIL - GYPSUM WALLBOARD PENETRATION
E4.1 NOT TO SCALE

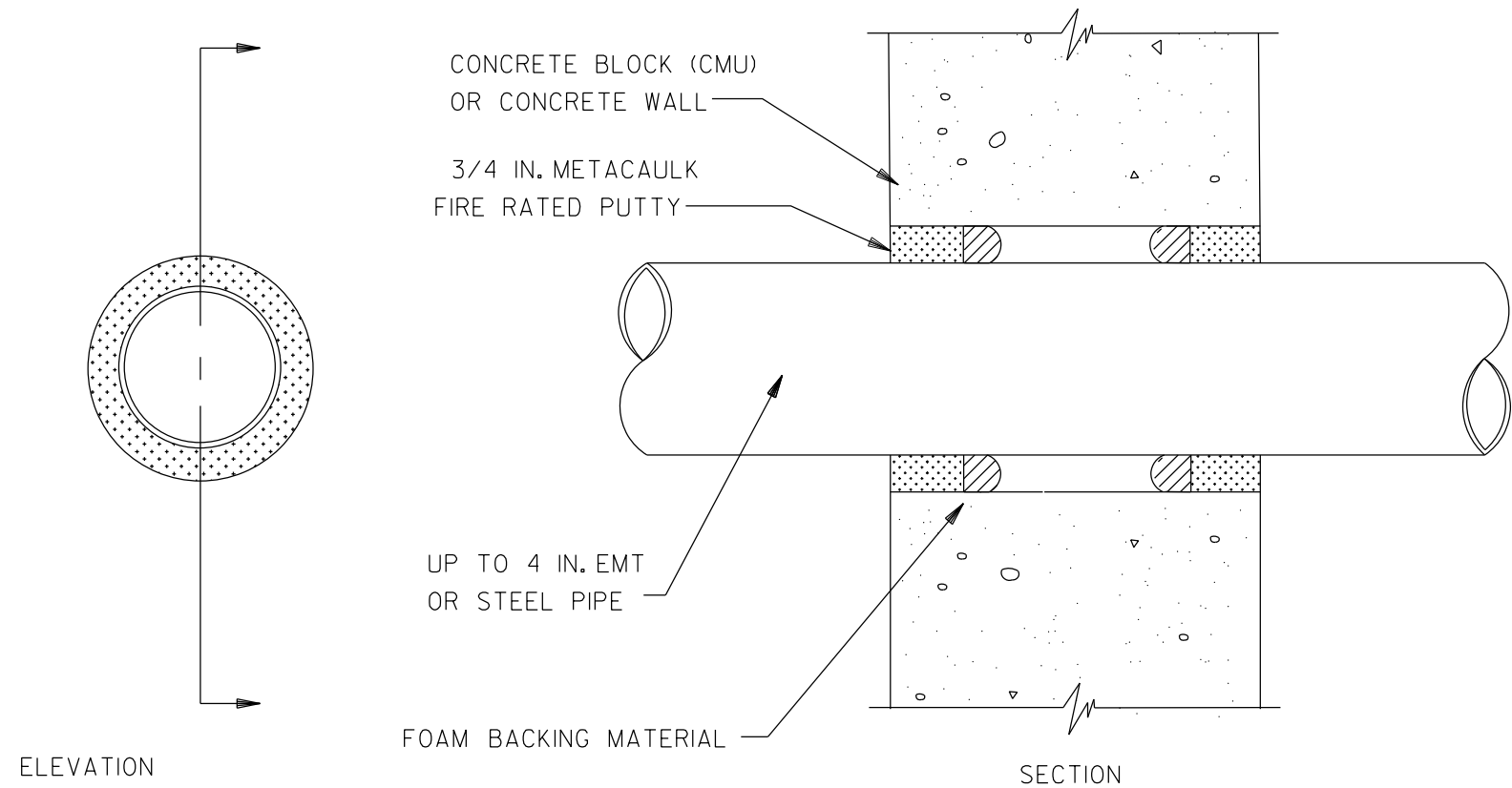
WIRE COLOR CODE		
A/C	I20/208	277/480
PHASE A	BLACK	BROWN
PHASE B	RED	ORANGE
PHASE C	BLUE	YELLOW
NEUTRAL	WHITE	GRAY
GROUND	GREEN	GREEN

KEYED NOTES: (I/E4.1 ONLY)

- 1 PROVIDE (2) NEW 225A/3P BREAKERS IN EXISTING SPACE, NEW BREAKERS TO MATCH EXISTING MANUFACTURER, TYPE AND AIC RATING, FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES.
- 2 4#4/0, #4G, 2 1/2 IN. C.
- 3 3#3/0, #6G, 2 IN. C.
- 4 SEE DRY TYP TRANSFORMER CONNECTION DETAIL, 2/E4.1.
- 5 SEE FLOOR MOUNTED TRANSFORMER DETAIL, 3/E4.1.
- 6 225A/3P DISCONNECT.



1 PARTIAL POWER RISER DIAGRAM
E4.1 NOT TO SCALE



NOTE: WHERE CONDUIT IS USED AS A SLEEVE FOR ROUTING LOW VOLTAGE CABLES THROUGH A RATED WALL, LOCATE CONDUCTORS IN CENTER OF SLEEVE AND FILL OPENING WITH FIRE RATED PUTTY AT EACH END OF SLEEVE.

7 DETAIL - CONCRETE WALL PENETRATION
E4.1 NOT TO SCALE



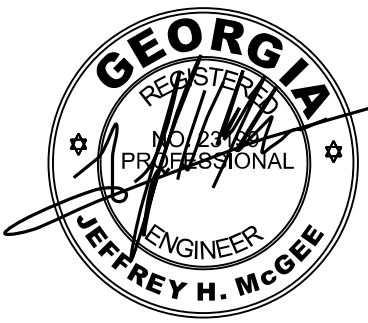
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PROJECT NAME:
**CHEM AQUA - JOE TAMPLIN -
INTERIOR RENOVATION**
PROJECT ADDRESS:
5000 GORDON INDUSTRIAL BLVD
MACON, GA 31217

STAMP:



DRAWN: AJM	CHECKED: JHM
APPROVED: JHM	ISSUE DATE: 10/17/25

REVISIONS: No.	ISSUE	Date

SHEET NAME:

RISER DIAGRAM,
SCHEDULES
AND DETAILS

PROJECT NUMBER: 25047
SHEET NUMBER:

E4.1



NOT ISSUED FOR CONSTRUCTION

EXISTING PANEL															
VOLTAGE PHASE 3 WIRE 4 BUS AMPS	120		208		PANEL MAIN AMPS				LA 225		LOCATION MOUNTING MAIN		WHSE SURFACE BREAKER		DESCRIPTION
	225														
	VOLT AMPS			BRKR AMP		P		CTK NO		BUS CONN		CTK NO		BRKR P AMP	
DESCRIPTION	A	B	C												
EX RCPT	2000			30	3	1	A	2	1	20			1000		EX RCPTS
		2000			3	B	4	1	20				1000		EX RCPTS
			2000			5	C	6	1	20		1000			EX RCPTS
EX RCPT	2000			30	2	7	A	8	1	20				1000	EX RCPTS
		2000				9	B	10	1	20			1000		EX RCPTS
EX RCPT			2000	30	2	11	C	12	1	20			1000		EX RCPTS
	2000					13	A	14	1	20				1000	EX RCPTS
EX RCPT		2000		30	2	15	B	16	1	20			1000		EX RCPTS
			2000			17	C	18	1	20		1000			EX RCPTS
RCPTS	1000			20	1	19	A	20	1	20				1000	EX RCPTS
RCPTS		100		20	1	21	B	22	1	20			1000		EX RCPTS
EX SPARE				20	1	23	C	24	1	20		1000			EX RCPTS
EX RCPTS	1000			20	1	25	A	26	1	20				1000	EX RCPTS
EX RCPTS		1000		20	1	27	B	28	1	20			1000		EX RCPTS
EX RCPTS			1000	20	1	29	C	30	1	20		1000			EX RCPTS
EX RCPTS	1000			20	1	31	A	32	1	20			1000		EX RCPTS
EX RCPTS		1000		20	1	33	B	34	1	20			1000		RCPTS
EX RCPTS			1000	20	1	35	C	36	1	20		1000			RCPTS
EX RCPTS	1000			20	1	37	A	38	1	20				1000	EX RCPTS
EX RCPTS		1000		20	1	39	B	40	1	20			400		EX RCPTS
EX RCPTS			1000	20	1	41	C	42	1	20		400			EX RCPTS
TOTALS	10000	9100	9000									6400	6400	7000	
VOLT AMPS	BUS A	17000													
	BUS B	15500													
	BUS C	15400													
	TOTAL	47900													
REMARKS: EXISTING PANEL TO REMAIN EX. INDICATES EXISTING LOAD															

NEW PANEL															
VOLTAGE	120		208		PANEL				LC		LOCATION		ELEC/SWITCH I53		
PHASE 3 WIRE 4					MAIN AMPS				400		MOUNTING		SURFACE		
BUS AMPS	400										MAIN		BREAKER		
DESCRIPTION	VOLT AMPS			BRKR		CTK	BUS	CTK	BRKR	VOLT AMPS			A	DESCRIPTION	
	A	B	C	AMP	P					CONN	NO	P			AMP
POWER POLE	1200			20	1	1	A	2	1	20			500	• EWC	
POWER POLE		1200		20	1	3	B	4	1	20		1000		RCPTS	
POWER POLE			1200	20	1	5	C	6	1	20	800			RCPTS	
POWER POLE	1200			20	1	7	A	8	1	20			1000	RCPTS	
POWER POLE		1200		20	1	9	B	10	1	20		1000		RCPTS	
POWER POLE			1200	20	1	11	C	12	1	20	1000			RCPTS	
POWER POLE	1200			20	1	13	A	14	1	20			1000	RCPTS	
POWER POLE		1200		20	1	15	B	16	1	20		1000		RCPTS	
POWER POLE			1200	20	1	17	C	18	1	20	1000			RCPTS	
RCPTS	1000			20	1	19	A	20	1	20			1000	RCPTS	
RCPTS		1000		20	1	21	B	22	1	20		1000		RCPTS	
RCPTS			1000	20	1	23	C	24	1	20	1000			RCPTS	
RCPTS	1000			20	1	25	A	26	1	20			1000	RCPTS	
RCPTS		1000		20	1	27	B	28	1	20		1000		RCPTS	
RCPTS			1000	20	1	29	C	30	1	20	1000			RCPTS	
RCPTS	1000			20	1	31	A	32	1	20			1000	RCPTS	
RCPTS		1000		20	1	33	B	34	1	20		1000		RCPTS	
RCPTS			1000	20	1	35	C	36	1	20	1000			RCPTS	
RCPTS	800			20	1	37	A	38	1	20				SPARE	
RCPTS/RC-I/EF-2		689		20	1	39	B	40	1	20				SPARE	
SPARE				20	1	41	C	42	1	20				SPARE	
TOTALS	7400	7289	6600								5800	6000	5500		
VOLT AMPS	BUS A	43244	REMARKS: 10,000 AIC RATING MINIMUM												
	BUS B	39621	PROVIDE FEED THRU LUGS												
	BUS C	32872	• PROVIDE GFCI TYPE CIRCUIT BREAKER												
	TOTAL	114737	SECTION I OF 2.												

NEW PANEL															
VOLTAGE PHASE 3 WIRE 4 BUS AMPS	277		480		PANEL MAIN AMPS				HD 225		LOCATION MOUNTING MAIN		WHSE SURFACE BREAKER		DESCRIPTION
	225														
	VOLT AMPS			BRKR AMP		CTK NO	BUS CONN	CTK NO	BRKR P AMP	VOLT AMPS					
DESCRIPTION	A	B	C								C	B	A		
WAREHOUSE LOADS	5817				30	3	1	A	2	3	30			5817	WAREHOUSE LOADS
		5817					3	B	4				5817		
			5817				5	C	6			5817			
WAREHOUSE LOADS	5817				30	7	A	8	3	30				5817	WAREHOUSE LOADS
		5817					9	B	10				5817		
			5817				11	C	12				5817		
WAREHOUSE LOADS	5817				30	13	A	14	30					5817	WAREHOUSE LOADS
		5817					15	B	16				5817		
			5817				17	C	18				5817		
SPARE					30	3	19	A	20	3	30				SPARE
							21	B	22						
							23	C	24						
SPACE						1	25	A	26	1					SPACE
SPACE						1	27	B	28	1					SPACE
SPACE						1	29	C	30	1					SPACE
SPACE						1	31	A	32	1					SPACE
SPACE						1	33	B	34	1					SPACE
SPACE						1	35	C	36	1					SPACE
SPACE						1	37	A	38	3	225			40322	PANELS LD1/LD2
SPACE						1	39	B	40					40322	
SPACE						1	41	C	42					30850	
TOTALS		17451	17451	17451										48301	57773 57773
VOLT AMPS	BUS A	75224													
	BUS B	75224													
	BUS C	65752													
	TOTAL	216200													
REMARKS: 10,000 AIC RATING MINIMUM PROVIDE FEED THRU LUGS															

EXISTING PANEL															
VOLTAGE PHASE 3 WIRE 4 BUS AMPS		120		208		PANEL MAIN AMPS				LO 225		LOCATION MOUNTING MAIN		JAN SURFACE BREAKER	
		225													
DESCRIPTION		VOLT AMPS			BRKR AMP		PKT NO	BUS CONN	PKT NO	BRKR P	VOLT AMPS			DESCRIPTION	
		A	B	C		P					C	B	A		
EX VENDING		1500			20	1	1	A	2	1	20			500	EX RCPTS
EX VENDING			1500		20	1	3	B	4	1	20			500	EX RCPTS
EX RCPTS				800	20	1	5	C	6	1	20	800			EX RCPTS
EX COFFEE		1200			20	1	7	A	8	1	20			400	EX RCPTS
EX MICROWAVE			1500		20	1	9	B	10	1	20		1200		EX COPIER
EX REFRIG.				1800	20	1	11	C	12	1	20	800			EX RCPTS
EX RCPTS		600			20	1	13	A	14	1	20			600	EX RCPTS
EX RCPTS			600		20	1	15	B	16	1	20		600		EX RCPTS
• VENDING				1500	20	1	17	C	18	1	20	1000			EX RCPTS
• VENDING		1500			20	1	19	A	20	1	20			600	EX RCPTS
SPARE					20	1	21	B	22	1	20		800		EX RCPTS
SPARE					20	1	23	C	24	1	20	600			EX RCPTS
SPARE					20	1	25	A	26	1	20			600	EX RCPTS
SPARE					20	1	27	B	28	1	20		600		EX RCPTS
SPARE					20	1	29	C	30	1	20	600			EX RCPTS
SPARE					20	1	31	A	32	1	20		1200		EX POWER POLE
SPARE					20	1	33	B	34	1	20	1200			EX POWER POLE
EX RCPTS				800	20	1	35	C	36	1	20	1200			EX POWER POLE
EX RCPTS		600			20	1	37	A	38	1	20		1200		EX POWER POLE
EX EWC			900		20	1	39	B	40	1	20		1200		EX POWER POLE
EX EWC				900	20	1	41	C	42	1	20	1200			EX POWER POLE
TOTALS		5400	4500	5800								6200	6100	5100	
VOLT AMPS		BUS A 22958 BUS B 23478 BUS C 22028 TOTAL 68464		REMARKS: EXISTING PANEL TO REMAIN EX. INDICATES EXISTING LOAD SECTION I OF 2 REPLACE EXISTING BREAKER WITH GFCI TYPE.											