JEFFERSON COUNTY ENVIRONMENTAL SERVICES CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

PROJECT TEAM

OWNER
JEFFERSON COUNTY ENVIRONMENTAL SERVICES
1295 OAK GROVE ROAD SOUTH
BIRMINGHAM, ALABAMA 35209

ARCHITECTURE / INTERIOR DESIGN
STUDIO 2H DESIGN, LLC
1721 4TH AVENUE NORTH, SUITE 101
BIRMINGHAM, ALABAMA 35203

MECHANICAL / PLUMBING ENGINEERS
BBG&S ENGINEERING CONSULTANTS
300 RIVERHILL BUSINESS PARK
BIRMINGHAM, ALABAMA 35242

STRUCTURAL ENGINEER
MBA ENGINEERS, INC.
300 20TH STREET NORTH
BIRMINGHAM, ALABAMA 35203

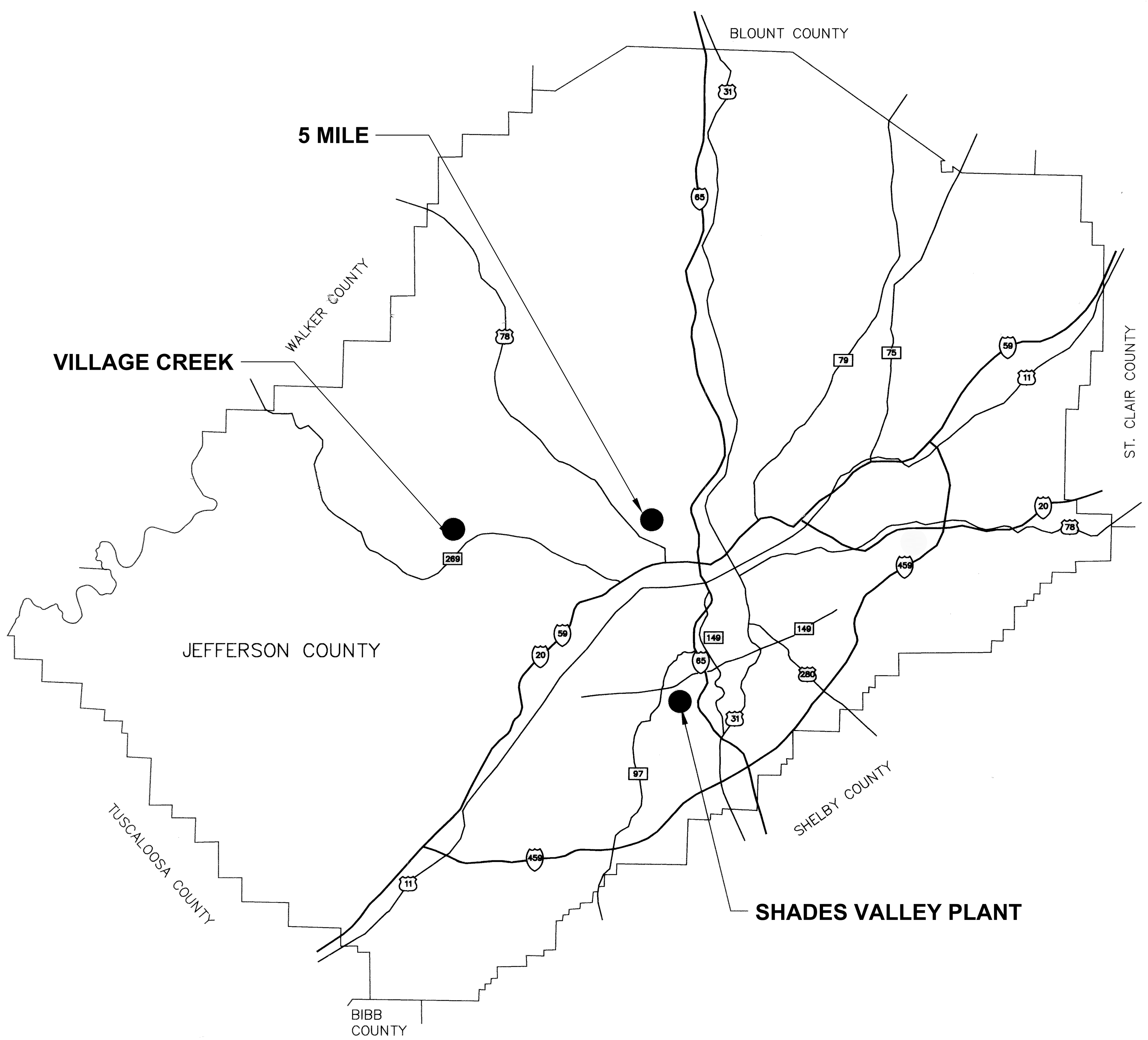
ELECTRICAL ENGINEER
CONSULTING CONSTRUCTION ENGINEERING
1028 23RD STREET SOUTH
BIRMINGHAM, ALABAMA 35205

PROJECT SITES

SHADES VALLEY
1295 OAK GROVE ROAD
BIRMINGHAM, ALABAMA 35209

VILLAGE CREEK
1440 PLEASANT HILL ROAD
BIRMINGHAM, ALABAMA 35214

FIVE MILE
3410 HAPPY HOLLOW LANE
FULTONDALE, ALABAMA 35068



VICINITY MAP
N.T.S.

PROJECT SCOPE

1. THIS PROJECT SPANS THREE DISTINCT SITES (SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE). SEE VICINITY MAP AND PROJECT SITES INFORMATION THIS SHEET.
2. DRAWING SET IS ORGANIZED BY SITE. EACH SITE HAS MULTIPLE BUILDINGS RECEIVING WORK.
3. SHEETS ARE GROUPED BY BUILDING.
4. TYPICAL SHEETS AT THE BEGINNING OF THE DRAWING INDEX APPLY TO MULTIPLE SITES/BUILDINGS.

SHEET INDEX

SHEET INDEX

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

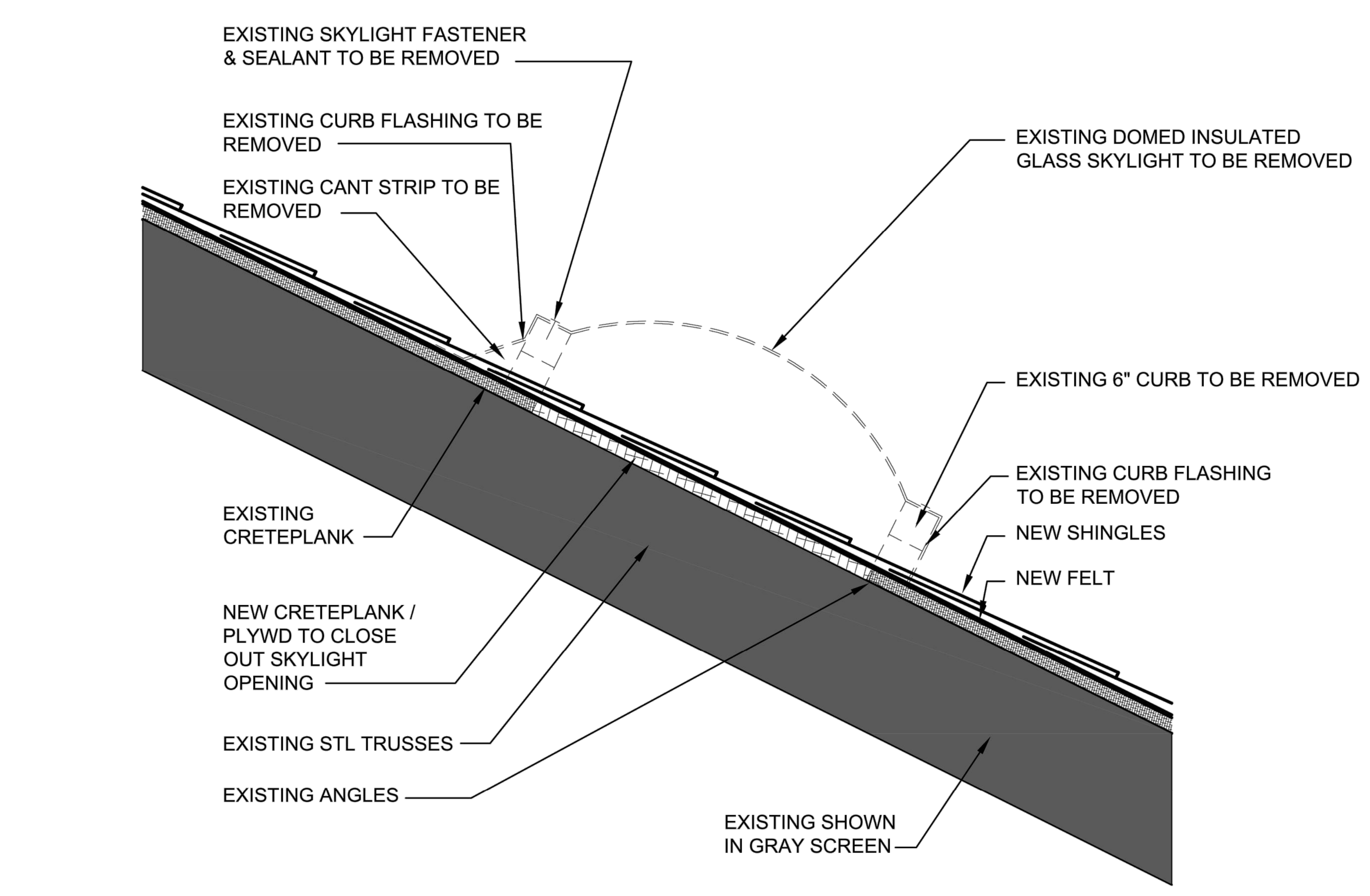
JEFFERSON COUNTY ALABAMA

LOCATION

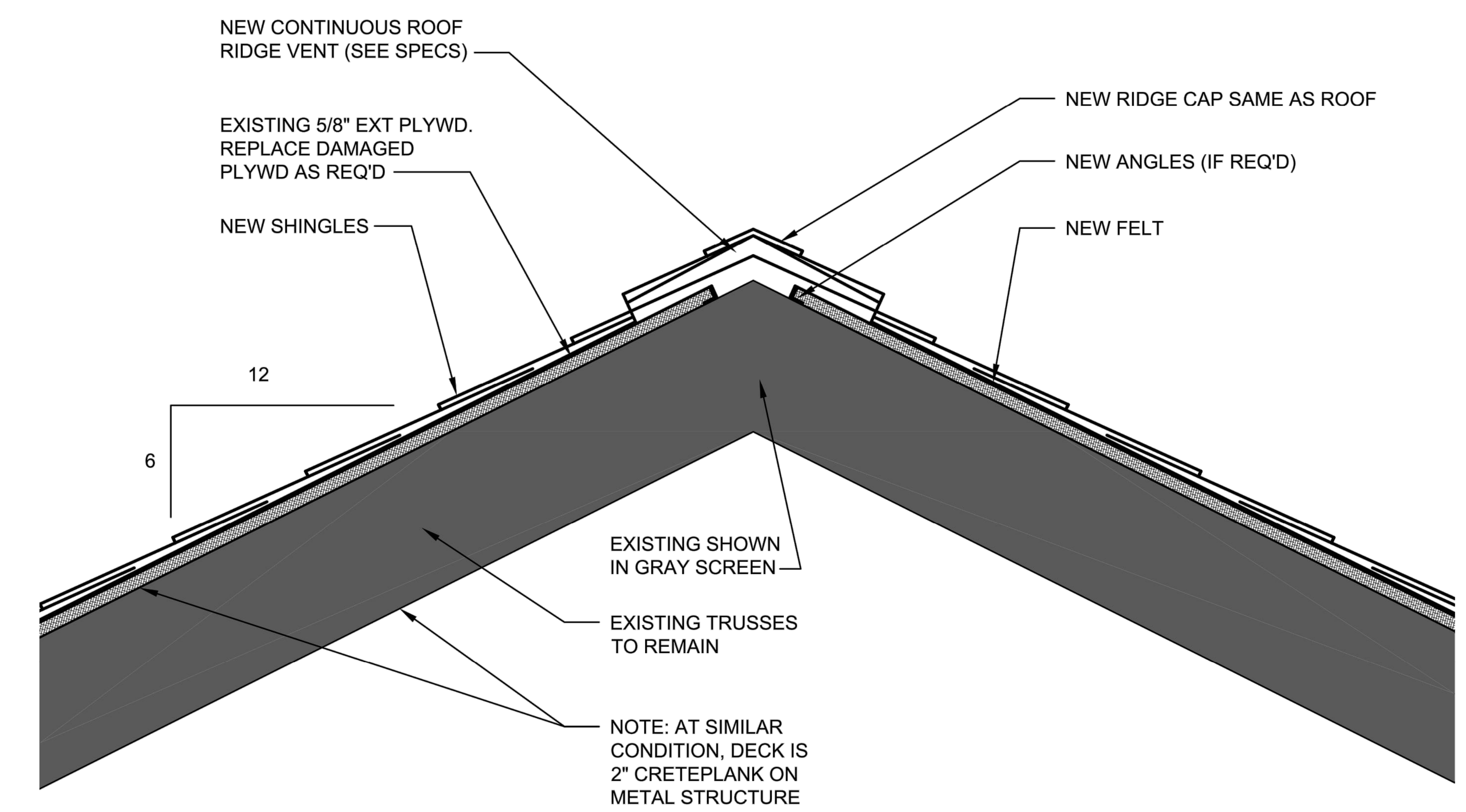
SHEET TITLE
COVER SHEET

DRAWING NUMBER
T0.0

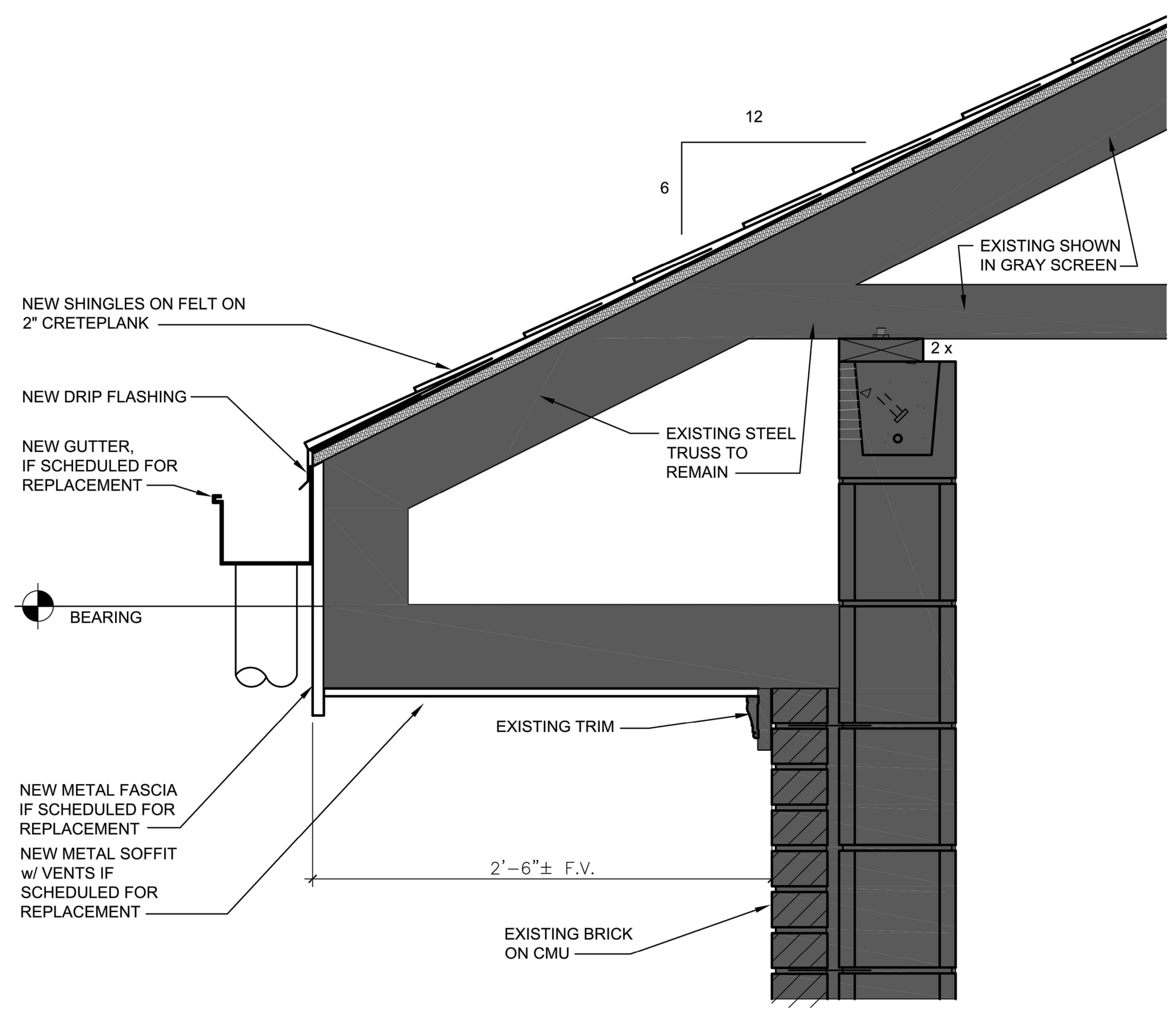
PROJECT NUMBER
202123



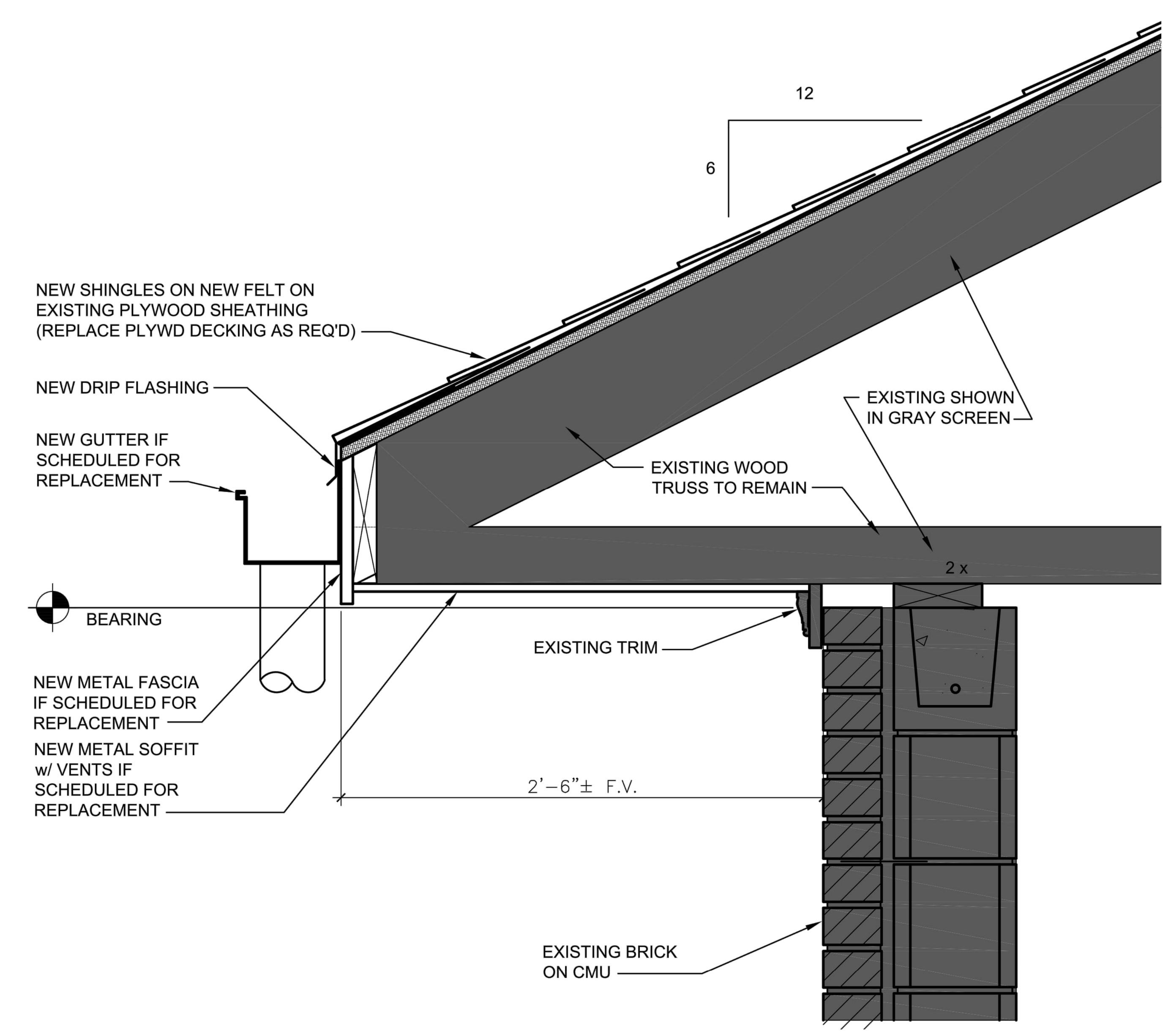
04 REMOVAL OF EXISTING SKYLIGHT DETAIL
-
Not to Scale



03 NEW ROOF RIDGE VENT DETAIL
-
Not to Scale



02 WORK REQ'D ON EAVE DETAIL
-
Scale: 1-1/2" = 1'-0"



01 WORK REQ'D ON EAVE DETAIL
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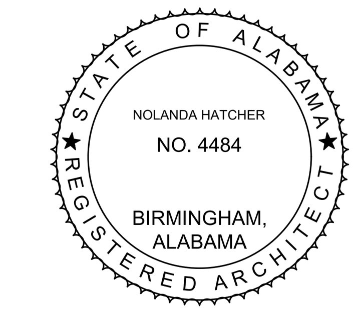
Scale: 1-1/2" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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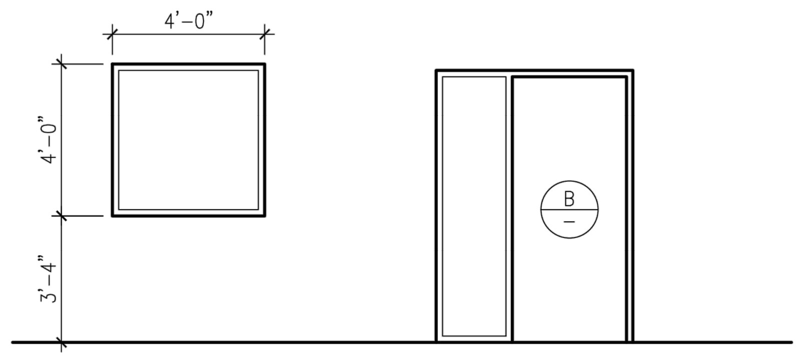
LOCATION
TYPICAL

SHEET TITLE
ROOF DETAILS

DRAWING NUMBER
A0.1

PROJECT NUMBER
202123

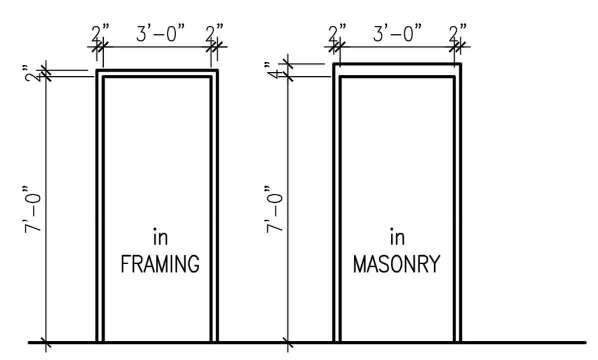
WINDOW SCHEDULE
1/4"=1'-0"



A — HOLLOW METAL FRAME PAINT TEMPERED, LOW-E 1" INSULATED GLAZING UNIT

B — HOLLOW METAL FRAME PAINT ⅜" TEMPERED GLAZING

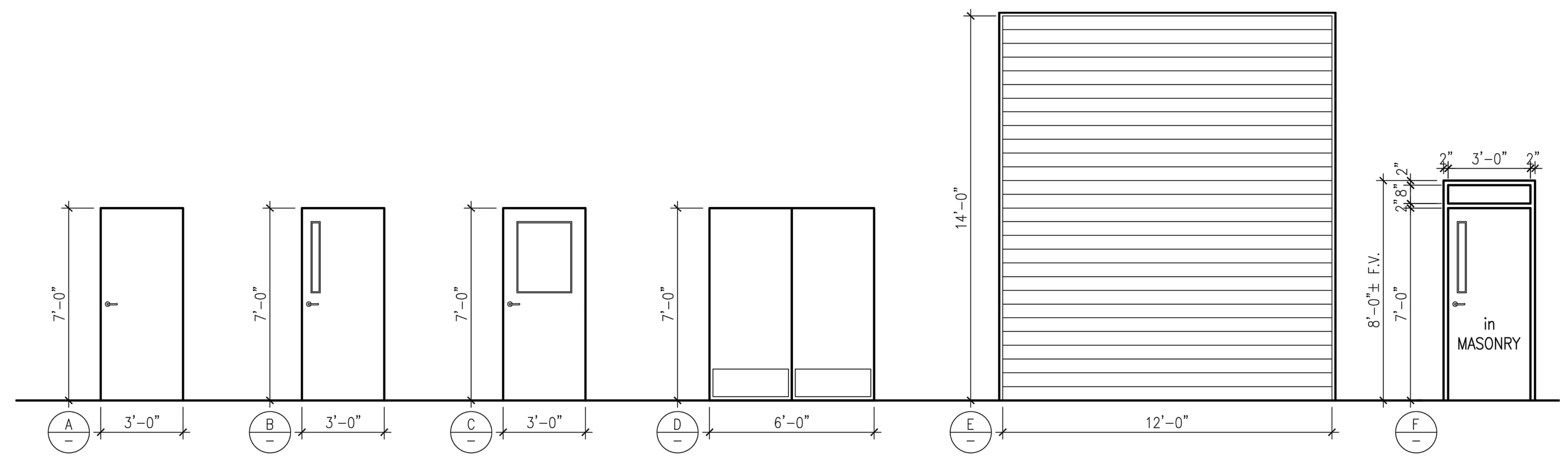
DOOR FRAMES
1/4"=1'-0"



HOLLOW METAL FRAME PAINT

HOLLOW METAL FRAME PAINT

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



A — HOLLOW METAL INSULATED PAINT

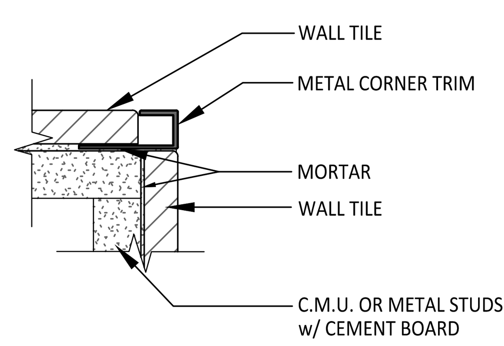
B — HOLLOW METAL, ¼ LITE, 1/4" TEMPERED GLASS, PAINT

C — HOLLOW METAL, 1/2 LITE, 1/4" TEMPERED GLASS, PAINT

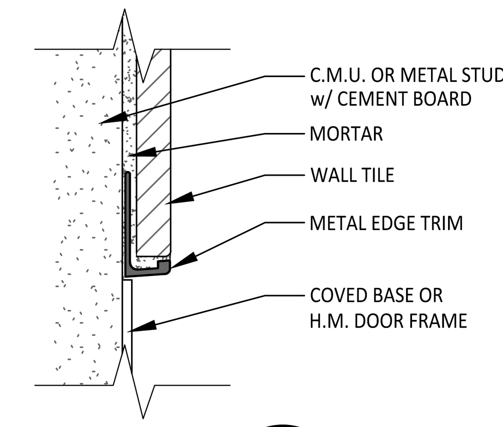
D — PAIR HOLLOW METAL INSULATED PAINT

E — COILING OVERHEAD DOOR INSULATED EXTERIOR ELECTRIC OPERATOR INSTALL & FINISH per MFG

F — HM DOOR IN CUSTOM HM FRAME TO MATCH EXISTING OPENING. ¼ LITE, 1/4" TEMPERED GLASS, PAINT



07 DETAIL
Scale: 0'-1 1/2"= 1'-0"



06 DETAIL
Scale: 0'-1 1/2"= 1'-0"

DOOR & HARDWARE NOTES:

EXTERIOR DOORS SHALL MEET THE REQUIREMENTS of the 2006 INTERNATIONAL ENERGY CONSERVATION CODE for FENESTRATION.

HANDLES, PULLS, LATCHES, LOCKS & OTHER OPERABLE PARTS SHALL BE 34" MINIMUM & 48" MAXIMUM A.F.F.

PROVIDE COMMERCIAL QUALITY HARDWARE ADEQUATE for the INTENDED USE

PROVIDE UL LABELED DOORS & FRAMES at ALL OPENINGS CALLED OUT as FIRE RATED OPENINGS

PROVIDE COMPLETE HARDWARE SETS with ALL ACCESSORIES as REQ'D for the INTENDED USE & FIRE RATING

PROVIDE ACCESSORIES AS REQ'D TO PROVIDE WEATHERTIGHT DOORS at ALL EXTERIOR OPENINGS.

INSTALL per MANUFACTURER'S SPECIFICATIONS & RECOMMENDATIONS

PROVIDE & INSTALL HARDWARE IN COMPLIANCE w/ the CURRENT EDITION of THE AMERICANS with DISABILITIES ACT (ADA) & CABO/ANSI's ACCESSIBLE & USEABLE BUILDINGS & FACILITIES (ANSI A117.1)

FINISH is STAINLESS STEEL or SATIN CHROME UNLESS NOTED OTHERWISE

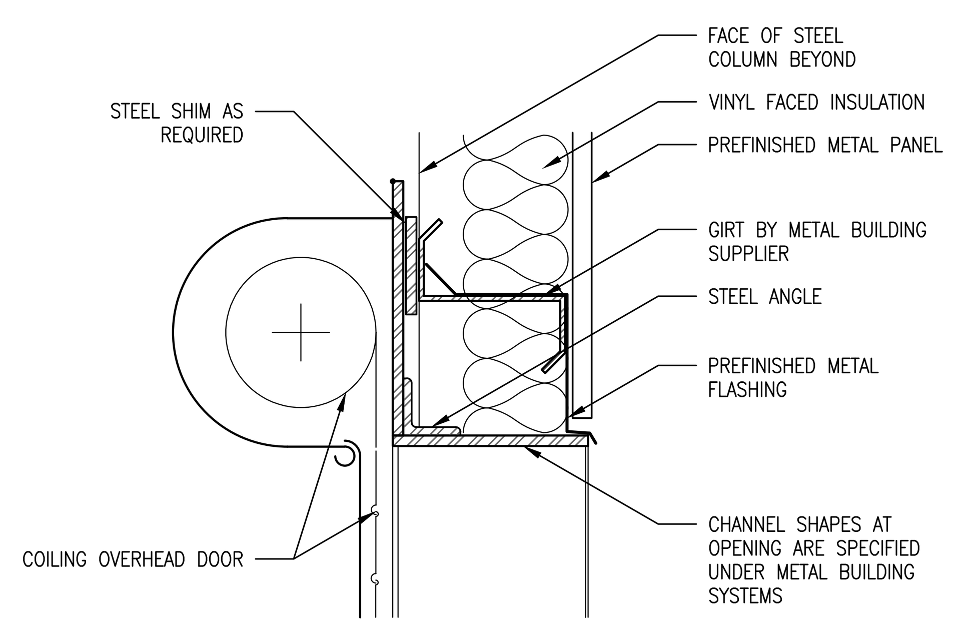
PROVIDE WALL MOUNTED DOOR STOPS w/ SOLID WOOD BLOCKING BACKUP at ALL DOORS

ALL THRESHOLDS & TRANSITION STRIPS SHALL BE ADA COMPLIANT

ALL FENESTRATION SHALL MEET the REQUIREMENTS of the APPLICABLE INTERNATIONAL ENERGY CONSERVATION CODE (IECC). SEE PROJECT INFORMATION w/ LIFE SAFETY PLAN

HARDWARE SCHEDULE

1	CLASSROOM FUNCTION LOCKSET: 3 PAIR 4-1/2" BUTTS, , FLUSHBOLTS, CLOSER w/ COORDINATORS & SILENCERS
2	ENTRY / OFFICE FUNCTION LOCKSET: 1-1/2 PAIR 4-1/2" BUTTS & SILENCERS
3	PANIC FUNCTION EXIT DEVICE: 1-1/2 PAIR 4-1/2" BUTTS, SURFACE MOUNTED TOUCHBAR PANIC DEVICE, CLOSER, & SILENCERS
4	PUSH - PULL PLATES: 1-1/2 PAIR 4-1/2" BUTTS, CLOSER, SILENCERS & KICKPLATE EACH SIDE
EX	EXISTING



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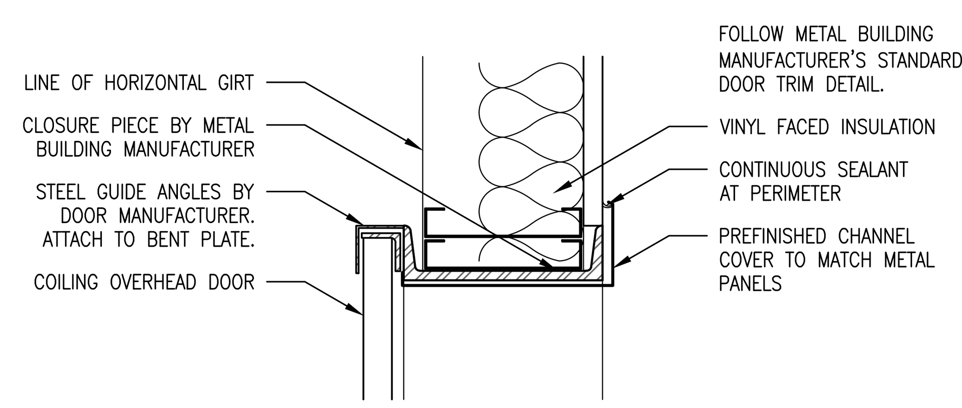
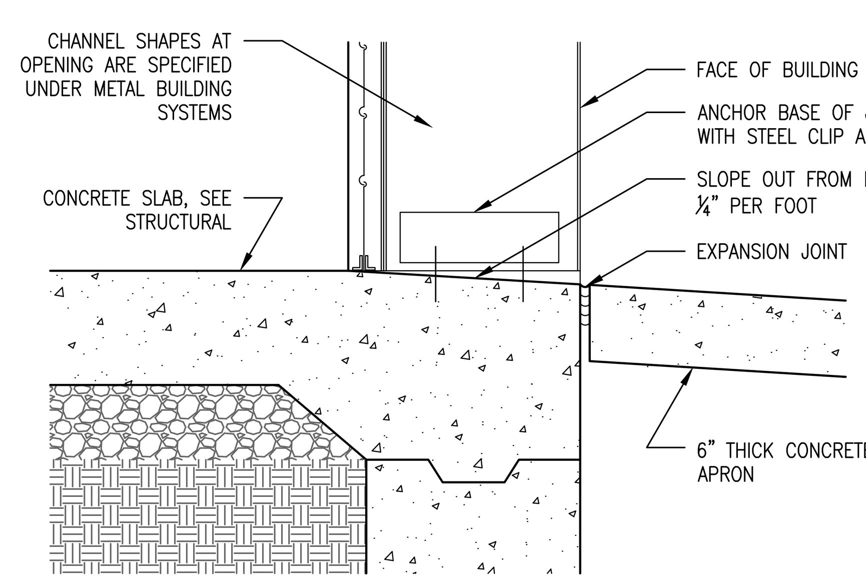
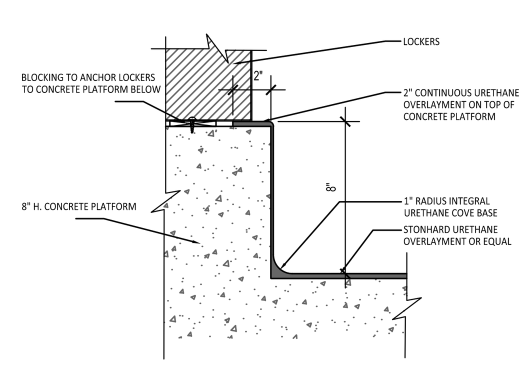


JAMB



04 DETAIL
Scale: 0'-1 1/2"= 1'-0"



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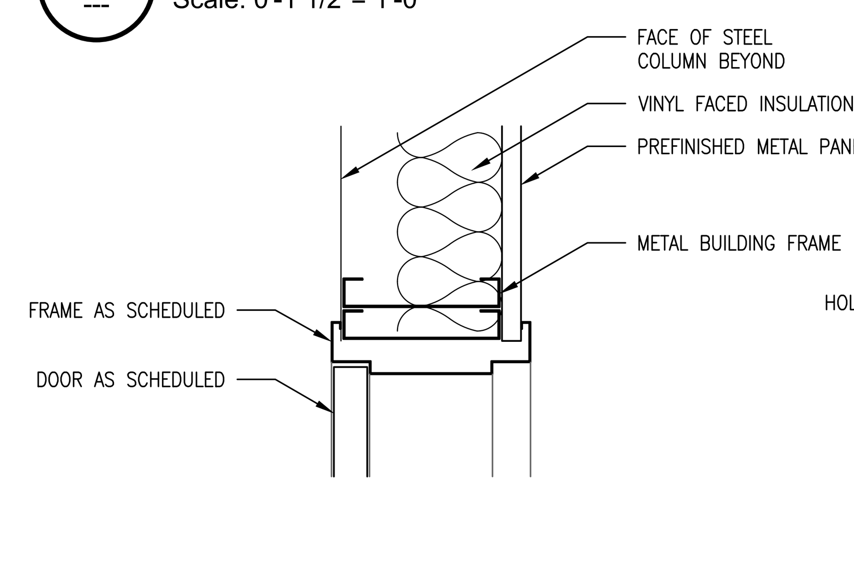

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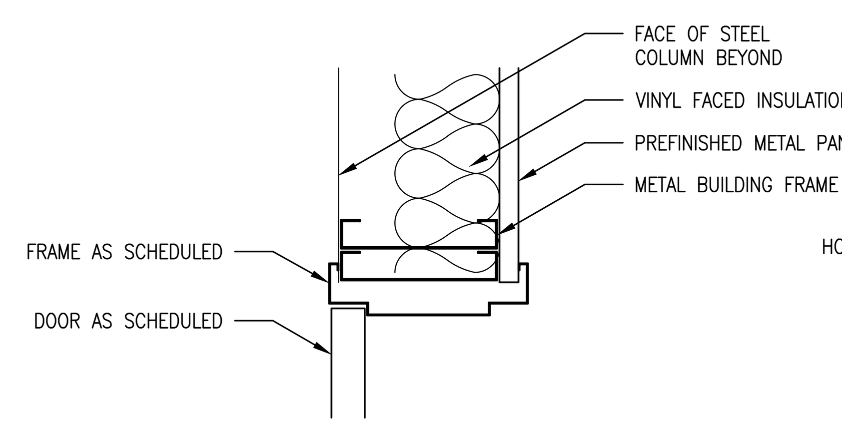
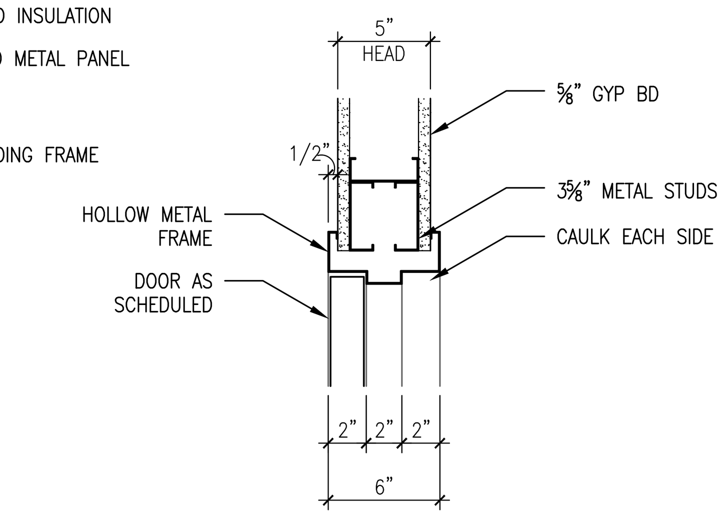


JAMB

SILL

03 DETAIL
Scale: 0'-1 1/2"= 1'-0"



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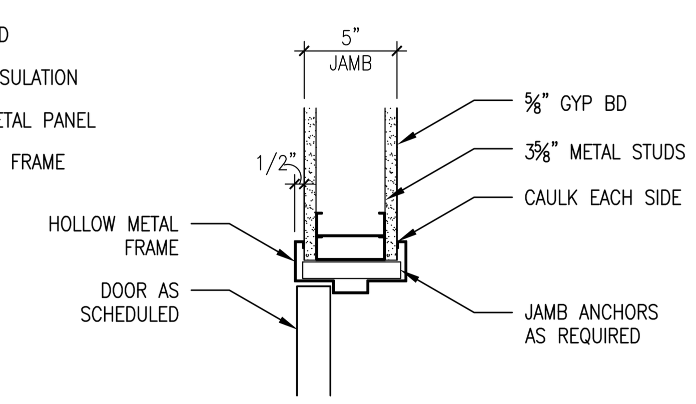

JAMB

SILL

02 DETAIL
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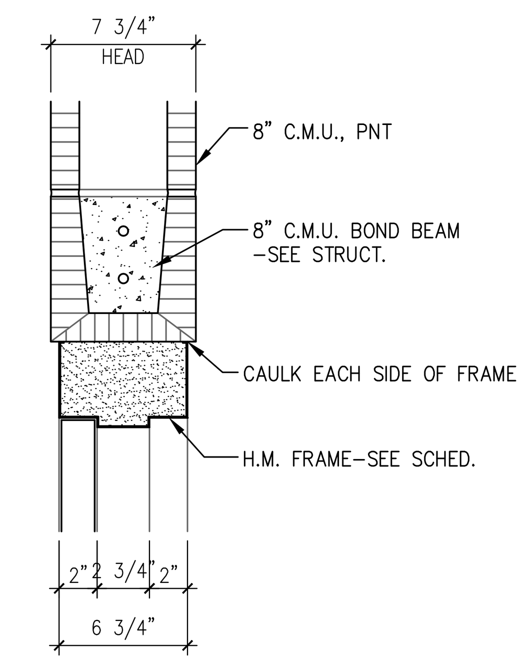

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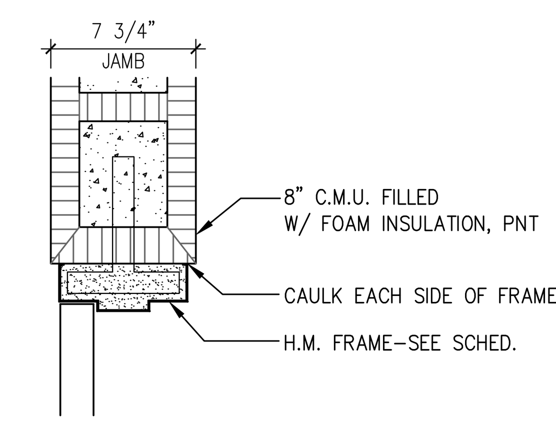


JAMB

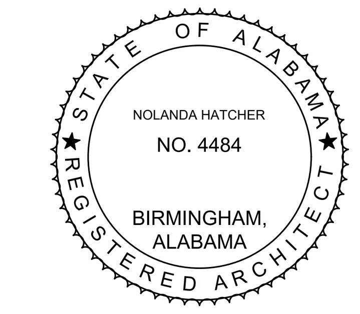
SILL

01 DETAIL
Scale: 0'-1 1/2"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

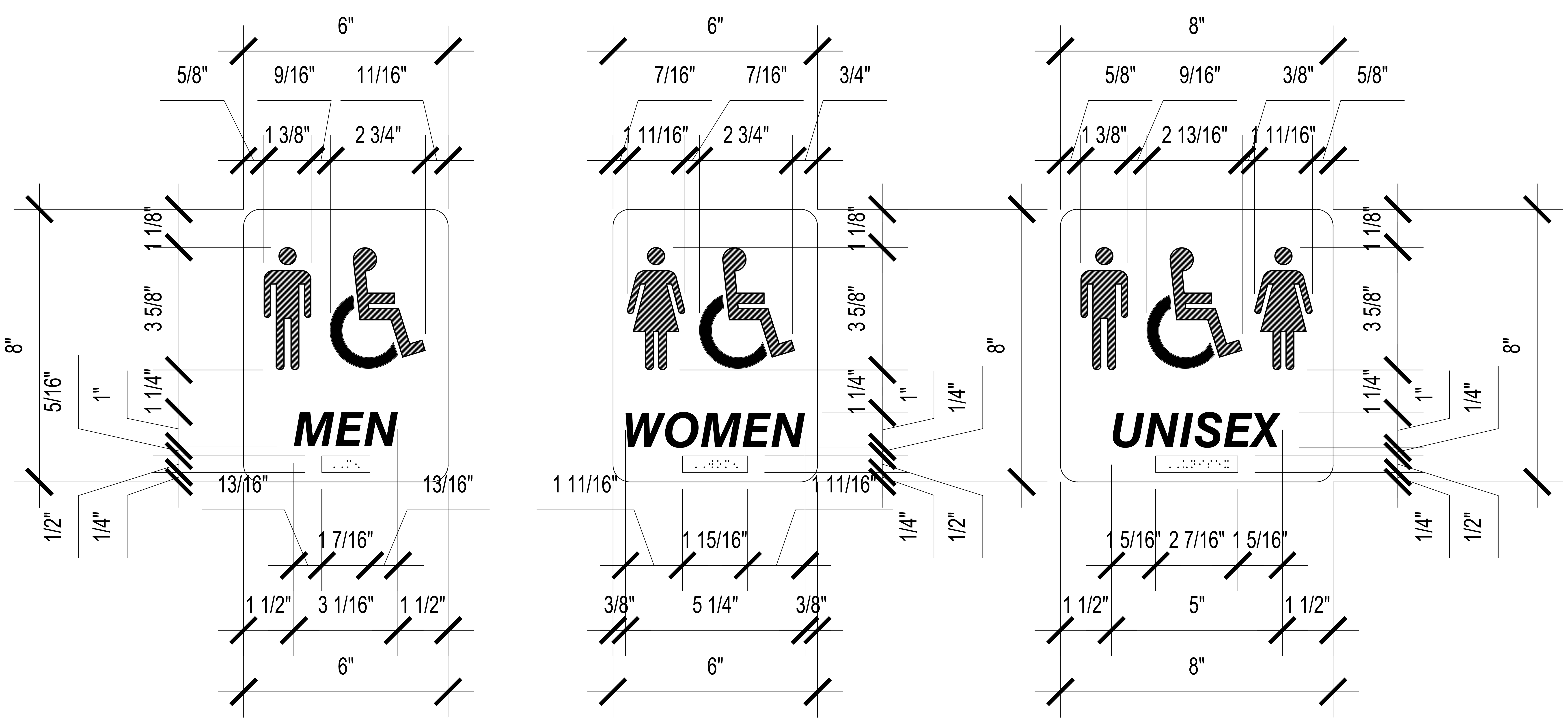
JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

SHEET TITLE
DOOR & WINDOW SCHEDULES & DETAILS

DRAWING NUMBER
A0.2

PROJECT NUMBER
202123



01 --- SHOWER SIGNAGE FOR ALL
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

SHEET TITLE
SHOWER SIGNAGE

DRAWING NUMBER
A0.3

PROJECT NUMBER
202123

ABBREVIATIONS

MARK	DESCRIPTION
AC	AIR CONDITIONING UNIT
ACD	ACCESS DOOR
ACH	AIR COOLED CHILLER
AD	AUTOMATIC DAMPER
AFF	ABOVE FINISH FLOOR
ARCH	ARCHITECTURAL
AS	AIR SEPARATOR
AUX	AUXILIARY
BD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET/MINUTE
CLG	CEILING
CONC	CONCRETE
CONN	CONNECT
CW	COLD WATER
DB	DRY BULB
DL	DOOR LOUVER
DIA	DIAMETER
DN	DOWN
DP	DAMPER
DOM	DOMESTIC
DU	DUCT UP
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
ECON	ECONOMIZER
ELEV	ELEVATION
ESP	EXTERNAL STATIC PRESSURE
EMG	EXPANDED METAL GRILLE
EX	EXISTING TO REMAIN
EXR	EXISTING TO BE REMOVED
EXRL	EXISTING TO BE RELOCATED
FC	FAIL CLOSED
FD	FIRE DAMPER
FTB	FLOOR TO BOTTOM
FC	FAIL CLOSED
FO	FAIL OPEN
FC	FAIL CLOSE
HDR	HEADER
HP	HORSEPOWER
ID	INTERNAL DIAMETER
LAT	LEAVING AIR TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MBH	1000 BTUH
MBHS	1000 BTUH SENSIBLE
MBHT	1000 BTUH TOTAL
MFD	MECHANICAL FLOOR DRAIN
MTR	MOTOR
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
OSA	OUTSIDE AIR
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RH	RELATIVE HUMIDITY
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SDT	SMOKE DETECTOR
SD	SMOKE DAMPER
SFD	COMBINATION SMOKE/FIRE DAMPER
TOD	TOP OF DUCT
TOP	TOP OF PIPE
TDH	TOTAL DYNAMIC HEAD
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
TDH	TOTAL DYNAMIC HEAD

DUCTWORK LEGEND

SYMBOL	DESCRIPTION
AXB	RECTANGULAR G90 SHEET METAL DUCTWORK INSIDE CLEAR DIMENSIONS SHOWN A = DUCT WIDTH B = DUCT DEPTH
C"Ø	ROUND SPIRAL G90 SHEET METAL DUCTWORK INSIDE CLEAR DIMENSIONS SHOWN C = DUCT DIAMETER
	FLEXIBLE DUCTWORK ROUND INSULATED (R6 MIN) ALUMINUM VAPOR BARRIER, FIBERGLASS INSULATION, INER, FLAME SPREAD 25: SMOKE DEVELOP RATING 50, MAXIMUM LENGTH 5'-0", FLEXMASTER TYPE 9M OR EQUAL
EX 18X12 / EXR 18X12	EX - EXISTING DUCTWORK TO REMAIN EXR - EXISTING DUCTWORK TO BE REMOVED
	ROUND OR RECTANGULAR RADIUS 90° ELBOW CENTER LINE RADIUS 1.5 X WIDTH
	RECTANGULAR 90° ELBOW WITH AIRFOIL TURNING VANES TURNING VANES REQUIRED FOR ALL ELBOWS
	DUCT RISE OR DROP ARROW INDICATES AIRFLOW DIRECTION
	DUCT TURNING UP
	DUCT TURNING DOWN
ACD	DUCTWORK MOUNTED ACCESS DOOR 12X12 MIN. UNLESS OTHERWISE NOTED
FOT	DUCTWORK TRANSITION FOT - FLAT ON TOP WERE INDICATED
	LOW PRESSURE CONICAL SPIN-IN BRANCH CONNECTION WITH MANUAL DAMPER
	MEDIUM PRESSURE PRESSURE ROUND BRANCH CONNECTION
	LOW PRESSURE BRANCH CONNECTION
FD-A / ACD FD-A	DUCT MOUNTED FIRE DAMPER A = 1 - ONE HOUR RATED WITH 165°FS LINK A = 3 - THREE HOUR RATE WITH 165°FS LINK PROVIDE ACCESS DOOR UPSTREAM OF ALL FIRE DAMPERS
SDT SD / ACD SD	DUCT MOUNTED SMOKE DAMPER WITH ELECTRONIC DAMPER ACTUATOR AND DUCT MOUNTED SMOKE DETECTOR PROVIDE ACCESS DOOR UPSTREAM OF ALL FIRE DAMPERS
SDT SFD-A / ACD SFD-A	DUCT MOUNTED SMOKE/FIRE DAMPER WITH ELECTRONIC DAMPER ACTUATOR AND DUCT MOUNTED SMOKE DETECTOR PROVIDE ACCESS DOOR UPSTREAM OF ALL FIRE DAMPERS A = 1 - ONE HOUR RATED; A = 3 THREE HOUR RATED
	MANUAL VOLUME DAMPER - RECTANGULAR WITH STANDOFFS AND LOCKING HANDLES SINGLE BLADE FOR DUCTWORK 12X12 OR LESS MULTI-BLADE FOR DUCTRORK GREATER THAN 12X12
CMD / CMD	MANUAL VOLUME DAMPER - RECTANGULAR WITH CONCEALED REMOTE DAMPER OPERATOR
AD / AD ACD	AUTOMATIC DAMPER - RECTANGULAR WITH ELECTRONIC ACTUATOR PROVIDE ACCESS DOOR UPSTREAM OF DAMPER
	FLEXIBLE CONNECTOR
AXB C"Ø	DUCTWORK TRANSITION - RECTANGULAR TO ROUND
	CONNECT TO EXISTING
UC	UNDERCUT DOOR 3/4" COORDINATE WITH GENERAL CONTRACTOR

PIPING LEGEND

SYMBOL	DESCRIPTION
	BRANCH OFF TOP OF MAIN
	BRANCH OFF BOTTOM OF MAIN
	PIPE DOWN
	PIPE UP
	RISE OR DROP IN PIPE
	BRANCH OFF SIDE OF MAIN
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	BALL VALVE
	BUTTERFLY VALVE
	GATE VALVE
	GLOBE VALVE
	Y-STRAINER W/BLOW DOWN PIPED TO DRAIN
	PLUG VALVE
	CHECK VALVE
	AUTOMATIC VALVE (PNEUMATIC)
	AUTOMATIC 3-WAY VALVE (PNEUMATIC)
	AUTOMATIC VALVE (ELECTRIC)
	AUTOMATIC 3-WAY VALVE (ELECTRIC)
	FLANGED UNION
	SCREWED UNION
	ASME PRESSURE RELIEF VALVE
	PRESSURE/TEMPERATURE PORT
	3/4" BALL VALVE HOSE ADAPTOR
MAV	MANUAL AIR VENT
AAV	AUTOMATIC AIR VENT PIPE TO DRAIN
	VENTURI FLOW METER
FM	WATER FLOW METER
	CIRCUIT SETTER
	THERMOMETER WITH WELL
	PRESSURE GAUGE
	GAUGE COCK
	CONNECT TO EXISTING
	SLOPE DOWN 1" IN 20FT

PIPING LINE DESIGNATIONS

SYMBOL	DESCRIPTION
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
GCH	GLYCOL CHILLED WATER SUPPLY
GCHR	GLYCOL CHILLED WATER RETURN
GHW	GLYCOL HOT WATER SUPPLY
GHWR	GLYCOL HOT WATER RETURN
CWS	CONDENSER WATER
CWR	CONDENSER WATER RETURN
LS	HEAT PUMP LOOP WATER SUPPLY
LR	HEAT PUMP LOOP WATER RETURN
NPW	NON POTABLE WATER
PCHS	PRIMARY CHILLED WATER SUPPLY
PCHR	PRIMARY CHILLED WATER RETURN
SCHS	SEC. CHILLED WATER SUPPLY
SCHR	SEC. CHILLED WATER RETURN
RL	REFRIGERANT LIQUID LINE
RS	REFRIGERANT SUCTION LINE
HG	REFRIGERANT HOT GAS LINE
V	VENT LINE
D	DRAIN LINE
AD	AUXILIARY DRAIN PIPING LINE
G	NATURAL GAS
	HIGH PRESSURE STEAM (60 PSIG & ABOVE)
	HIGH PRESSURE STEAM COND RETURN
	MEDIUM PRESSURE STEAM (16-59 PSIG)
	MEDIUM PRESSURE STEAM COND RETURN
	LOW PRESSURE STEAM
	LOW PRESSURE STEAM COND RETURN
PR	PUMPED CONDENSATE RETURN
CST	CLEAN STEAM SUPPLY

AIR DEVICE SCHEDULE/LEGEND

CEILING DIFFUSERS

MARK	DESCRIPTION	BASIS OF DESIGN	REMARKS
S1 (W, Z, RD; AXB, CFM)	**AXB**=NECK SIZE **CFM**=AIRFLOW **W**=ROUND RUNOUT (IN.) **Z**=THROW **RD**=RD CEILING RADIATION	LOUVERED FACE CEILING DIFFUSER, TITUS MODEL TDC LAY-IN - BORDER TYPE 3 SURFACE MOUNT - BORDER TYPE 6	1. OPPOSED BLADE DAMPER. 2. INSULATED BACK PAN R6
S2 (Z, RD; A"Ø, CFM)	**A**=ROUND NECK SIZE **CFM**=AIRFLOW W=ROUND RUNOUT **Z**=THROW RD=RADIATION DAMPER	ARCHITECTURAL SQUARE PLAQUE DIFFUSER TITUS MODEL - OMNI LAY-IN - BORDER TYPE 3 SURFACE MOUNT - BORDER TYPE 1	
S3 (Z, RD; A"Ø, CFM)	**A**= ROUND NECK SIZE **CFM**= AIRFLOW Z=THROW RD=RADIATION DAMPER	ARCHITECTURAL ROUND PLAQUE DIFFUSER TITUS MODEL R-OMNI LAY IN BORDER TYPE 3 SURFACE MOUNT BORDER TYPE 1	
S4 (Z, RD; AXB, CFM)	**A**= ROUND NECK SIZE **CFM**=AIRFLOW **Z**=4-WAY THROW	FULL FACE LOUVERED CEILING DIFFUSER TITUS MODEL TMS LAY-IN - BORDER TYPE 3 SURFACE MOUNT - BORDER TYPE 1	1. OPPOSED BLADE DAMPER
S4 (W, Z, RD; AXB, CFM)	**AXB**= SQUARE NECK SIZE W=ROUND RUNOUT (IN.)	PERFORATED FACE CEILING DIFFUSER TITUS MODEL PAR LAY-IN - BORDER TYPE 3	1. SUPPLY GRILLE WITH NO INTERNAL DEFLECTORS
S6 (W, Z; AXB, CFM)	AXB= SQUARE NECK SIZE CFM=AIRFLOW W=ROUND RUNOUT (IN.) Z = THROW	CURVED BLADE CEILING DIFFUSER TITUS MODEL 250 LAY-IN - BORDER TYPE 3 SURFACE MOUNT - BORDER TYPE 1	1. OPPOSED BLADE DAMPER
S7 (W, Z; A"Ø, CFM)	A=ROUND NECK SIZE CFM=AIRFLOW W=ROUND RUNOUT	ARCHITECTURAL ROUND NOZZLE DIFFUSER AIR CONCEPTS MODEL ANR ADJ. NOZZLE	1. PROVIDE REDUCER AT NECK
S8 (W, Z; A'-0", CFM)	**A**= SLOT LENGTH **CFM**=AIRFLOW **W**=ROUND RUNOUT (IN.) **Z**=NUMBER OF SLOTS	LINEAR SLOT DIFFUSER TITUS-ML39 (1" SLOT) PLASTER FRAME	1. INSULATED SUPPLY PLENUM
S9 (Z; A'-0", CFM)	**A**= APPROX. LENGTH **CFM**= AIRFLOW **W**= ROUND RUNOUT (IN.) **Z**= NUMBER OF SLOTS	FLOW BAR DIFFUSER TITUS MODEL FL (1" SLOT) BORDER TYPE 22- TAPE & SPACKLE	1. INSULATED SUPPLY PLENUM

SIDEWALL SUPPLY REGISTERS

MARK	DESCRIPTION	BASIS OF DESIGN	REMARKS
S10 (AXB, CFM)	**AXB**= NECK SIZE **CFM**-AIRFLOW	SIDEWALL SUPPLY REGISTER TITUS MODEL 300F	**1.** OPPOSED BLADE DAMPER **2.**VERTICAL FRONT BLADES
S11 (Z; A"Ø, CFM)	**A'-0"**= BAR GRILLE LENGTH **CFM**-AIRFLOW **Z** = BAR GRILLE WIDTH	LINEAR BAR SUPPLY GRILLE TITUS MODEL CT-PP-0 BORDER TYPE 3 (SIDEWALL) BORDER TYPE 6 W/ HEAVY CORE (FLOOR)	1. 7/32" BAR SPACING, AT 0° DEFLECTION

RETURN/EXHAUST GRILLES

MARK	DESCRIPTION	BASIS OF DESIGN	REMARKS
R1 (W, RD; AXB, CFM)	**R**=RETURN **E**=EXHAUST **T**=TRANSFER **AXB**=NECK SIZE **CFM**=AIRFLOW **W**=ROUND RUNOUT **RD**=CEILING RADIATION DAMPER	CUBE CORE CEILING GRILLE "EGGCRATE" (½"X ½") TITUS-50F BORDER TYPE 1-ALUM. TITUS-50R BORDER TYPE 1-STEEL	1. OPPOSED BLADE DAMPER (OBD) 2. OBD NOT REQUIRED FOR TRANSFER GRILLES
R2 (AXB, CFM)	**R**=RETURN **E**=EXHAUST **T**=TRANSFER **AXB**=NECK SIZE **CFM**=AIRFLOW **W**=ROUND RUNOUT	LOUVERED CEILING RETURN GRILLE TITUS MODEL 355R LAY-IN BORDER TYPE 3 SURFACE MOUNT - BORDER TYPE 1	1. OPPOSED BLADE DAMPER (OBD) 2. OBD NOT REQUIRED FOR TRANSFER GRILLES 3. 1/2" BLADE SPACING AND 35° DEFLECTION

WALL RETURN / EXHAUST GRILLES

MARK	DESCRIPTION	BASIS OF DESIGN	REMARKS
R3 (AXB, CFM)	**R**=RETURN **E**=EXHAUST **T**=TRANSFER **AXB**=NECK SIZE **CFM**=AIRFLOW	WALL RETURN GRILLE HORIZONTAL TITUS-355ZRL BORDER TYPE 1	1. 1/2" SPACING
R4 (AxB, CFM)	**R**=RETURN **E**=EXHAUST **T**=TRANSFER **AXB**=NECK SIZE **CFM**=AIRFLOW	BAR RETURN GRILLE TITUS MODEL 30R BORDER TYPE 1	1. 3/8" SPACING, 0 DEGREE DEFLECTION

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER - SQUARE NECK		LINEAR SUPPLY OR RETURN AIR DIFFUSER
	SUPPLY AIR DIFFUSER - ROUND NECK		LINEAR SUPPLY OR RETURN AIR DIFFUSER WITH SUPPLY PLENUM
	SUPPLY AIR DIFFUSER - SURFACE MOUNTED		SIDEWALL SUPPLY AIR REGISTER - SINGLE LINE
	SUPPLY AIR DIFFUSER - ROUND WITH ROUND NECK		RETURN AIR GRILLE
	SUPPLY AIR NOZZLE DIFFUSER		

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DESIGN BY: LJB DRAWN BY: LJB CHECKED BY: LJB BBGS NO: 21.09.192

GENERAL NOTES

1. ALL DIVISION 23 MECHANICAL WORK SHALL BE INSTALLED TO COMPLY WITH THE 2018 IBC, IECC, IMC, IFC, IPC AND ALL STATE AND LOCAL CODES AND ORDINANCES ENFORCED IN THE JURISDICTION IN WHICH THE WORK WILL PERMITTED AND CONSTRUCTION.
2. MECHANICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE AND SUBJECT TO REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. THE MECHANICAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL, DIVISION 23, WORK WITH ALL OTHER TRADES.
3. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF MECHANICAL COMPONENTS AND ARE NOT INTENDED TO SHOW ALL ALL FITTINGS, ASPECTS, ETC. OF THE WORK. THE MECHANICAL CONTRACTOR SHALL REFER TO BOTH THE PLANS AND SPECIFICATIONS FOR ALL INSTALLATION REQUIREMENTS.
4. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND COMPONENTS WHETHER IMPLIED OR SHOWN AND WHICH ARE NECESSARY TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM THAT COMPLIES WITH THE DESIGN INTENT.
5. THE MECHANICAL CONTRACTOR SHALL PROVIDE CONTROL SYSTEM, DUCTWORK AND PIPING SHOP DRAWINGS VERIFYING CLEARANCES, ROUTINGS, EQUIPMENT LOCATIONS, AND TIE-INS O CONTROLS, PIPING, AND DUCTWORK PRIOR TO FABRICATION AND INSTALLATION OF NEW WORK. IN CONGESTED AREAS AND IN MECHANICAL ROOMS THE CONTRACTOR SHALL PROVIDE COORDINATION SHOP DRAWINGS.
6. NEW WORK IN EXISTING OR OCCUPIED FACILITIES SHALL BE CONSTRUCTED TO INSURE THAT NO INTERFERENCE WITH FACILITY OPERATIONS OR OPERATING EQUIPMENT OCCURS. ALL WORK TO BE COMPLETED IN CONCURRENT WORK AREAS SHALL BE FULLY COORDINATED WITH THE CONSTRUCTION MANAGER AND OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL DUCTWORK OPENINGS SHALL BE ISOLATED/COVERED TO INSURE NO DUST, DEBRIS, VAPORS, ETC. ENTER THE DUCTWORK DURING CONSTRUCTION.
8. MAKE NO CHANGES TO THE CONTRACT DOCUMENTS/DESIGN INTENT WITHOUT FIRST OBTAINING WRITTEN APPROVAL. THE CONTRACTOR SHALL ISSUE A REQUEST FOR INFORMATION (RFI) REQUESTING WHEN THE DOCUMENTS/DESIGN INTENT ARE UNCLEAR. THE ARCHITECT OR PRIME CONSULTANT SHALL ISSUE SUPPLEMENTAL INSTRUCTIONS CLARIFYING THE DESIGN INTENT. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR REMOVING, REPLACING, OR REPAIRING NON COMPLIANT WORK.
9. IF DIVISION 23 COMPONENTS, EQUIPMENT, WORK INTERFERE WITH OTHER TRADES, THE ARCHITECT AND ENGINEER SHALL DECIDE APPROPRIATE RESOLUTION REGARDLESS OF WHICH WORK WAS INSTALLED FIRST.
10. PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION, PROTECT AND STORE EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
11. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PROVIDE NORMAL SERVICE ACCESS TO ALL COMPONENTS. IF MANUFACTURER'S INSTRUCTIONS CONFLICT WITH CONTRACT DOCUMENTS OBTAIN DIRECTION FROM THE ENGINEER OR PRIME CONSULTANT BEFORE PROCEEDING.
12. FIRE STOP ALL PENETRATIONS AT FIRE RATED WALLS WHERE DUCTWORK CONDUIT, OR PIPING ARE INSTALLED. FIRE STOPPING SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR IMMEDIATELY AFTER THE WORK IS INSTALLED. DO NOT LEAVE PENETRATIONS UNPROTECTED OVERNIGHT.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 21612 LAWRENCE J. BOWNESS
21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

SHEET TITLE
MECHANICAL ABBREVIATIONS LEGENDS, GENERAL NOTES AND AIR DEVICE SCHEDULE

DRAWING NUMBER
M0.1

PROJECT NUMBER
202123

Ventilation Sizing Summary for AC-1-1 HP-1-1

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **178** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
110 CORRIDOIR	1	380.0	0.0	228.0	0.00	0.06	0.0	0.0	22.8
111 BREAKROOM	1	282.0	7.1	548.1	0.00	0.00	100.0	0.0	100.0
108 OFFICE	1	148.0	2.0	226.2	5.00	0.06	0.0	0.0	18.9
107 OFFICE	1	140.0	2.0	223.1	5.00	0.06	0.0	0.0	18.4
105 OFFICE	1	140.0	2.0	209.0	5.00	0.06	0.0	0.0	18.4
Totals (incl. Space Multipliers)				**1434.4**					**178.5**

Ventilation Sizing Summary for AC-1-2 HP-1-2

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **218** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
101 LOBBY	1	365.0	3.7	275.7	5.00	0.06	0.0	0.0	40.2
102 COPY	1	85.0	0.3	340.7	5.00	0.06	0.0	0.0	6.8
116 CONFERENCE	1	260.0	13.0	502.9	5.00	0.06	0.0	0.0	80.6
112 WOMEN	1	128.0	0.0	76.8	0.00	0.00	25.0	0.0	25.0
109 MEN	1	128.0	0.0	76.8	0.00	0.00	25.0	0.0	25.0
104 OFFICE	1	200.0	2.0	302.1	5.00	0.06	0.0	0.0	22.0
103 OFFICE	1	135.0	2.0	196.8	5.00	0.06	0.0	0.0	18.1
Totals (incl. Space Multipliers)				**1771.8**					**217.7**

Ventilation Sizing Summary for AC-2-1 HP-2-1

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **130** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
205 COMMUNICATIONS	1	1.0	0.0	1394.2	5.00	0.06	0.0	0.0	0.1
203 UNISEX RESTROOM	1	89.0	0.0	74.9	0.00	0.00	70.0	0.0	70.0
208 EQUIP STORAGE	1	483.0	0.0	387.8	0.00	0.00	30.0	0.0	30.0
206 WORKSHOP	1	193.0	1.0	310.2	0.00	0.00	30.0	0.0	30.0
Totals (incl. Space Multipliers)				**2167.1**					**130.1**

Ventilation Sizing Summary for AC-2-2 HP-2-2

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **580** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
201 ELECTRONICS OFFICE	1	1603.0	8.0	1623.1	0.00	0.00	225.0	0.0	225.0
202 LOCKER	1	258.0	0.0	285.0	0.00	0.00	285.0	0.0	285.0
203 UNISEX RESTROOM	1	89.0	0.0	74.9	0.00	0.00	70.0	0.0	70.0
Totals (incl. Space Multipliers)				**1983.0**					**580.0**

Ventilation Sizing Summary for AC-2-3 HP-2-3

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **355** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
202 LOCKER	1	258.0	0.0	285.0	0.00	0.00	285.0	0.0	285.0
203 UNISEX RESTROOM	1	89.0	0.0	74.9	0.00	0.00	70.0	0.0	70.0
Totals (incl. Space Multipliers)				**359.9**					**355.0**

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DESIGN BY: LJB ✦ DRAWN BY: LJB ✦ CHECKED BY: LJB ✦ BBGS NO: 21.09.192

SPLIT SYSTEM AC UNIT SCHEDULE – HEAT PUMP

MARK	SERVES	SUPPLY FAN			OSA CFM	COOLING COIL				HEATING COIL				ACCESSORIES	ELECTRICAL			TONS NOMINAL	BASIS OF DESIGN
		CFM	ESP IN WC	HP		SENS. MBH	TOTAL MBH	AIR ENT. F° DB	AIR ENT. °F WB	HP MBH @ 17°F	ELECT. KW	STEPS	ENT. AIR F		V / Ø	MCA	MOCP		
AC-1-1	FIRST FLOOR INSTRUMENT BUILDING	1400	0.6	0.75	180	31.2	43.8	75.3	63.8	26.7	9	1	68	[1] [2] [3] [4] [5]	230 / 1	34.5	35	4.0	RHEEM RH1P
AC-1-2	FIRST FLOOR INSTRUMENT BUILDING	1840	0.6	0.75	220	41.3	50.9	75.5	63.7	33.6	15	1	68	[1] [2] [3] [4] [5]	230 / 1	51.8	60	5.0	RHEEM RH1P
AC-2-1	SECOND FLOOR INSTRUMENT BUILDING	1600	0.6	0.75	60	35.1	43.9	75	62.1	26.8	15	1	68	[1] [2] [3] [4] [5]	230 / 1	51.8	60	4.0	RHEEM RH1P
AC-2-2	SECOND FLOOR INSTRUMENT BUILDING	1840	0.6	0.75	225	41.8	50.3	75.3	63.1	33.6	15	1	68	[1] [2] [3] [4] [5]	230 / 1	51.8	60	5.0	RHEEM RH1P
AC-2-3	SECOND FLOOR INSTRUMENT BUILDING	500	0.6	0.5	355	19.3	34.1	89	73.9	21	6	SCR	33.1	[1] [2] [3] [4] [5]	230 / 1	24.9	25	3.0	iAIRE UPC

NOTES

A. CAPACITIES ARE MINIMUM GROSS CAPACITIES.
B. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ELECTRIC HEATERS.
C. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ALLOWANCE FOR DIRTY FILTERS.
D. OTHER ACCEPTABLE MANUFACTURER'S: GOODMAN, TRANE
E. STANDARD LINE LENGTH 80 FT.

ACCESSORIES

[1] HUMIDITY CONTROL WITH HOT GAS REHEAT AND WALL MOUNTED HUMIDITY SENSOR
[2] FILTER RACK WITH MERV 8 FILTERS
[3] SEVEN DAY PROGRAMMABLE THERMOSTAT, FOUR SCHEDULES AND NIGHT SETBACK
[4] CONDENSATE OVERFLOW SWITCH
[5] SINGLE POINT ELECTRICAL CONNECTION

HEAT PUMP SCHEDULE – AIR COOLED

MARK	SERVES	ACCESSORIES	NOMINAL TON	ELECTRICAL			MINIMUM SEER (IEER)	BASIS OF DESIGN
				V / Ø	MCA	MOCP		
HP-1-1	AC-1-1	[1] [2] [3] [4] [5]	4.0	230 / 3	14.5	25	14.5	RHEEM WSP14
HP-1-2	AC-1-2	[1] [2] [3] [4] [5]	5.0	230 / 3	21.5	30	14	RHEEM WSP14
HP-2-1	AC-2-1	[1] [2] [3] [4] [5]	4.0	230 / 3	14.5	25	15	RHEEM WSP14
HP-2-2	AC-2-2	[1] [2] [3] [4] [5]	5.0	230 / 3	21.5	30	14	RHEEM WSP14
HP-2-3	AC-2-3	[1] [2] [3] [4] [5]	3.0	230 / 3	11.7	20	(11.5)	iAIRE UPC

NOTES

A. CAPACITY TO BALANCE RESPECTIVE AC UNIT
B. COOLING CAPACITY BASED ON 95F AMBIENT
C. HEATING CAPACITY BASED ON 47F AMBIENT
D. MINIMUM SEER/COP AT ARI CONDITIONS
E. STANDARD LINE SET 80 FT

ACCESSORIES

[1] OUTDOOR THERMOSTAT W/ LOCKOUT
[2] ANTI SHORT CYCLE KIT
[3] LOW AMBIENT KIT
[4] LOW PRESSURE SWITCH
[5] 5 YEAR COMPRESSOR WARRANTY, FREEZE PROTECTION KIT

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY - INSTRUMENTATION BLDG. 1357

SHEET TITLE
INSTRUMENT BUILDING MECHANICAL OUTSIDE AIR CALCULATIONS AND SCHEDULES

DRAWING NUMBER
M0.2

PROJECT NUMBER
202123

Ventilation Sizing Summary for AC-1 HP-1

Project Name: 21.09.192 JEFFCO ES PUMPSTATION BLDG — 02/19/2024
Prepared by: BBG&S Engineering Consultants, Inc. — 03:34PM

1. Summary
Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **767** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
104 LABORATORY	1	252.0	6.3	700.0	0.00	0.00	700.0	0.0	700.0
105 OFFICE	1	141.0	2.0	214.6	5.00	0.06	0.0	0.0	18.5
106 OFFICE	1	105.0	2.0	200.4	5.00	0.06	0.0	0.0	16.3
107 OFFICE	1	170.0	2.0	291.7	5.00	0.06	0.0	0.0	20.2
118 HALL	1	201.0	0.0	131.3	0.00	0.06	0.0	0.0	12.1
Totals (incl. Space Multipliers)				**1538.0**					**767.0**

Ventilation Sizing Summary for AC-2 HP-2

Project Name: 21.09.192 JEFFCO ES PUMPSTATION BLDG — 02/19/2024
Prepared by: BBG&S Engineering Consultants, Inc. — 06:51PM

1. Summary
Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **109** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
108 OFFICE	1	167.0	2.0	214.1	5.00	0.06	0.0	0.0	20.0
109 OFFICE	1	177.0	2.0	219.5	5.00	0.06	0.0	0.0	20.6
110 OFFICE	1	211.0	2.0	235.2	5.00	0.06	0.0	0.0	22.7
120 HALL	1	160.0	0.0	111.4	0.00	0.06	0.0	0.0	9.6
124 OFFICE	1	200.0	2.0	233.2	5.00	0.06	0.0	0.0	22.0
119 HALL	1	233.0	0.0	144.0	0.00	0.06	0.0	0.0	14.0
Totals (incl. Space Multipliers)				**1157.4**					**108.9**

Ventilation Sizing Summary for AC-3 HP-3

Project Name: 21.09.192 JEFFCO ES PUMPSTATION BLDG — 02/19/2024
Prepared by: BBG&S Engineering Consultants, Inc. — 06:51PM

1. Summary
Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **630** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
111 SHOWERS	1	361.0	0.0	216.6	0.00	0.00	100.0	0.0	100.0
112 SHOWERS	1	361.0	0.0	245.6	0.00	0.00	80.0	0.0	80.0
113 MENS	1	264.0	0.0	250.0	0.00	0.00	250.0	0.0	250.0
114 MEN	1	204.0	0.0	200.0	0.00	0.00	200.0	0.0	200.0
Totals (incl. Space Multipliers)				**912.2**					**630.0**

Ventilation Sizing Summary for AC-4 HP-4

Project Name: 21.09.192 JEFFCO ES PUMPSTATION BLDG — 02/19/2024
Prepared by: BBG&S Engineering Consultants, Inc. — 07:00PM

1. Summary
Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **68** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
121 READY ROOM	1	638.0	6.0	851.5	5.00	0.06	0.0	0.0	68.3
123 WOMENS	2	223.0	0.0	133.8	0.00	0.00	0.0	0.0	0.0
Totals (incl. Space Multipliers)				**1119.1**					**68.3**

Ventilation Sizing Summary for AC-5 HP-5

Project Name: 21.09.192 JEFFCO ES PUMPSTATION BLDG — 02/19/2024
Prepared by: BBG&S Engineering Consultants, Inc. — 07:01PM

1. Summary
Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation Airflow Rate .... **310** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
126 MAINTENANCE SHOP	1	585.0	5.0	705.1	10.00	0.18	0.0	0.0	155.3
127 ELECTRICAL SHOP	1	584.0	5.0	711.4	10.00	0.18	0.0	0.0	155.1
Totals (incl. Space Multipliers)				**1416.5**					**310.4**

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

SPLIT SYSTEM AC UNIT SCHEDULE - HEAT PUMP

MARK	SERVES	SUPPLY FAN			OSA CFM	COOLING COIL				HEATING COIL				ACCESSORIES	ELECTRICAL			TONS NOMINAL	BASIS OF DESIGN
		CFM	ESP IN WC	HP		SENS. MBH	TOTAL MBH	AIR ENT. F° DB	AIR ENT. °F WB	HP MBH @ 17°F	ELECT. KW	STEPS	ENT. AIR F		V / Ø	MCA	MOCP		
AC-1-1	PUMP STATION BLDG	1500	0.6	2.0	770	52.2	87.4	85	71	52	11.3	SCR	43	[1] [2] [3] [4] [5]	208 / 1	48	50	7.5	iAIRE UPC
AC-1-2	PUMP STATION BLDG	1200	0.6	0.5	110	25.4	31.5	75	62.5	18.8	6.8	1	68	[1] [2] [3] [4] [5]	208 / 1	32	35	3.0	RHEEM RH1P
AC-1-3	PUMP STATION BLDG	1000	0.6	2.4	630	38.9	68.5	87.4	72.4	39	7.5	SCR	37.2	[1] [2] [3] [4] [5]	208 / 1	34.9	35	6.0	iAIRE UPC
AC-1-4	PUMP STATION BLDG	1050	0.6	0.5	70	20.6	31.8	75	62.5	18.4	6.8	1	68	[1] [2] [3] [4] [5]	208 / 1	32	35	3.0	RHEEM RH1P
AC-1-5	PUMP STATION BLDG	1840	0.6	0.75	310	41.9	52.5	77.5	65.5	33.6	6.8	1	68	[1] [2] [3] [4] [5]	208 / 1	49.5	50	5.0	RHEEM RH1P

NOTES
A. CAPACITIES ARE MINIMUM GROSS CAPACITIES.
B. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ELECTRIC HEATERS.
C. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ALLOWANCE FOR DIRTY FILTERS.
D. OTHER ACCEPTABLE MANUFACTURER'S: GOODMAN, TRANE
E. STANDARD LINE LENGTH 80 FT.

ACCESSORIES
[1] 2015 IEEC COMPLIANT
[2] FILTER RACK WITH MERV 8 FILTERS
[3] SEVEN DAY PROGRAMMABLE THERMOSTAT, FOUR SCHEDULES AND NIGHT SETBACK
[4] CONDENSATE OVERFLOW SWITCH
[5] SINGLE POINT ELECTRICAL CONNECTION

HEAT PUMP SCHEDULE - AIR COOLED

MARK	SERVES	ACCESSORIES	NOMINAL TON	ELECTRICAL			MINIMUM SEER (IEER)	BASIS OF DESIGN
				V / Ø	MCA	MOCP		
HP-1-1	AC-1-1	[1] [2] [3] [4] [5]	7.5	208 / 3	34.5	50	(12)	iAIRE UPC
HP-1-2	AC-1-2	[1] [2] [3] [4] [5]	3.0	208 / 3	11.7	20	15	RHEEM WAP14
HP-1-3	AC-1-3	[1] [2] [3] [4] [5]	6.0	208 / 3	27.5	45	(12.6)	iAIRE UPC
HP-1-4	AC-1-4	[1] [2] [3] [4] [5]	3.0	208 / 3	11.7	20	15	RHEEM WSP14
HP-1-5	AC-1-5	[1] [2] [3] [4] [5]	5.0	208 / 3	21.5	30	14	RHEEM WSP14

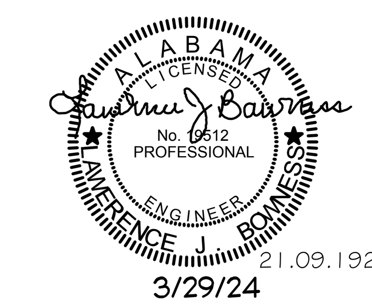
NOTES
A. CAPACITY TO BALANCE RESPECTIVE AC UNIT
B. COOLING CAPACITY BASED ON 95F AMBIENT
C. HEATING CAPACITY BASED ON 47F AMBIENT
D. MINIMUM SEER/COP AT ARI CONDITIONS
E. STANDARD LINE SET 80 FT

ACCESSORIES
[1] OUTDOOR THERMOSTAT W/ LOCKOUT
[2] ANTI SHORT CYCLE KIT
[3] LOW AMBIENT KIT
[4] LOW PRESSURE SWITCH
[5] 5 YEAR COMPRESSOR WARRANTY, FREEZE PROTECTION KIT

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - PUMP STATION BUILDING 1310

SHEET TITLE
PUMP STATION BUILDING MECHANICAL OUTSIDE AIR CALCULATIONS AND SCHEDULES

DRAWING NUMBER
M0.3

PROJECT NUMBER
202123

Ventilation Sizing Summary for AC-1-1

Project Name: 21.09.192 JEFFCO ES SEWER LINE BLDG — 03/24/2024 11:52AM
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation AirflowRate .... **209** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
BREAK ROOM 110	1	623.0	15.6	538.2	5.00	0.06	0.0	0.0	115.3
CORR 103	1	166.0	0.0	99.6	0.00	0.06	0.0	0.0	10.0
OFFICE 4	1	194.0	1.0	171.4	5.00	0.06	0.0	0.0	16.5
OFFICE 3	1	186.0	0.9	251.2	5.00	0.06	0.0	0.0	15.8
OFFICE 2	1	182.0	0.9	158.0	5.00	0.06	0.0	0.0	15.5
OFFICE 1	1	183.0	0.9	158.3	5.00	0.06	0.0	0.0	15.6
SUPER OFFICE	1	236.0	1.2	224.7	5.00	0.06	0.0	0.0	20.1
Totals (incl. Space Multipliers)				**1601.5**					**208.6**

Ventilation Sizing Summary for AC-1-2

Project Name: 21.09.192 JEFFCO ES SEWER LINE BLDG — 03/25/2024 10:17AM
Prepared by: BBG&S Engineering Consultants, Inc.

1. Summary

Ventilation Sizing Method .... **Sum of Space OA Airflows**
Design Ventilation AirflowRate .... **1268** CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
MENS LOCKER 115	1	508.0	0.0	430.0	0.00	0.00	430.0	0.0	430.0
MEN RR 114	1	312.0	0.0	420.0	0.00	0.00	420.0	0.0	420.0
WOMEN LOCKER 120	1	115.0	0.0	135.9	0.00	0.00	130.0	0.0	130.0
WOMEN 113	1	219.0	0.0	280.0	0.00	0.00	280.0	0.0	280.0
CORR 112	1	127.0	0.0	76.2	0.00	0.06	0.0	0.0	7.6
Totals (incl. Space Multipliers)				**1342.1**					**1267.6**

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DESIGN BY: LJB ✦ DRAWN BY: LJB ✦ CHECKED BY: LJB ✦ BBGS NO: 21.09.192

SPLIT SYSTEM AC UNIT SCHEDULE - HEAT PUMP

MARK	SERVES	SUPPLY FAN CFM	SUPPLY FAN ESP IN WC	SUPPLY FAN HP	OSA CFM	COOLING COIL SENS. MBH	COOLING COIL TOTAL MBH	COOLING COIL AIR ENT. F° DB	COOLING COIL AIR ENT. °F WB	HEATING COIL HP MBH @ 17°F	HEATING COIL ELECT. KW	HEATING COIL STEPS	HEATING COIL ENT. AIR F	ACCESSORIES	ELECTRICAL V / Ø	ELECTRICAL MCA	ELECTRICAL MOCP	TONS NOMINAL	BASIS OF DESIGN
AC-1-1	SEWER LINE BLDG	2400	0.6	0.75	210	41.3	50.7	77	65	33.6	15	2	68	[1] [2] [3] [4] [5]	230 / 1	51.8	60	6.0	RHEEM RH1P
AC-1-2	SEWER LINE BLDG	1300	0.6	2.0	1300	52.2	87.4	95	75	52.0	15.0	SCR	17	[1] [2] [3] [4] [5] [6]	208 / 3	48.0	50	7.5	iAIRE UPC

NOTES

A. CAPACITIES ARE MINIMUM GROSS CAPACITIES.
B. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ELECTRIC HEATERS.
C. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ALLOWANCE FOR DIRTY FILTERS.
D. OTHER ACCEPTABLE MANUFACTURER'S: GOODMAN, TRANE
E. STANDARD LINE LENGTH 80 FT.

ACCESSORIES

[1] 2018 IEEC COMPLIANT
[2] FILTER RACK WITH MERV 8 FILTERS
[3] SEVEN DAY PROGRAMMABLE THERMOSTAT, FOUR SCHEDULES AND NIGHT SETBACK
[4] CONDENSATE OVERFLOW SWITCH
[5] SINGLE POINT ELECTRICAL CONNECTION
[6] HOT GAS REHEAT AND HUMIDITY SENSOR.

HEAT PUMP SCHEDULE - AIR COOLED

MARK	SERVES	ACCESSORIES	NOMINAL TON	ELECTRICAL V / Ø	ELECTRICAL MCA	ELECTRICAL MOCP	MINIMUM SEER (IEER)	BASIS OF DESIGN
HP-1-1	AC-1-1	[1] [2] [3] [4] [5]	4.0	230 / 3	14.5	25	14.5	RHEEM WSP14
HP-1-2	AC-1-2	[1] [2] [3] [4] [5]	7.5	208 / 3	34.5	50	(12)	iAIRE UPC

NOTES

A. CAPACITY TO BALANCE RESPECTIVE AC UNIT
B. COOLING CAPACITY BASED ON 95F AMBIENT
C. HEATING CAPACITY BASED ON 47F AMBIENT
D. MINIMUM SEER/COP AT ARI CONDITIONS
E. STANDARD LINE SET 80 FT

ACCESSORIES

[1] OUTDOOR THERMOSTAT W/ LOCKOUT
[2] ANTI SHORT CYCLE KIT
[3] LOW AMBIENT KIT
[4] LOW PRESSURE SWITCH
[5] 5 YEAR COMPRESSOR WARRANTY, FREEZE PROTECTION KIT

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

SEWER LINE BUILDING
MECHANICAL OUTSIDE AIR
CALCULATIONS AND SCHEDULES

LOCATION

SHADES VALLEY -
SEWER LINE MAINTENANCE
BUILDING 1299

SHEET TITLE

SEWER LINE BUILDING
MECHANICAL OUTSIDE AIR
CALCULATIONS AND SCHEDULES

DRAWING NUMBER

M0.4

PROJECT NUMBER

202123

Ventilation Sizing Summary for AC-1 HP-1

Project Name: 21.09.192 JEFFCO ES TRAINING BLDG
Prepared by: BBG&S Engineering Consultants, Inc.
02/18/2024 01:32PM

1. Summary

Ventilation Sizing Method .... Sum of Space OA Airflows
Design Ventilation Airflow Rate .... 152 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
101- BREAKROOM	1	226.0	5.7	734.8	5.00	0.06	0.0	0.0	41.8
102 CORRIDOR	1	189.0	0.0	116.4	0.00	0.06	0.0	0.0	11.3
108 - LOBBY	1	736.0	22.1	1113.1	0.00	0.06	0.0	0.0	44.2
114 CORRIDOR	1	192.0	0.0	117.5	0.00	0.06	0.0	0.0	11.5
112 OFFICE	1	136.0	0.7	204.1	5.00	0.06	0.0	0.0	11.6
113 COMM RM	1	89.0	5.3	192.4	5.00	0.06	0.0	0.0	32.0
Totals (incl. Space Multipliers)				2478.4					152.4

Ventilation Sizing Summary for AC-1 HP-1

Project Name: 21.09.192 JEFFCO ES TRAINING BLDG
Prepared by: BBG&S Engineering Consultants, Inc.
02/18/2024 01:32PM

1. Summary

Ventilation Sizing Method .... Sum of Space OA Airflows
Design Ventilation Airflow Rate .... 152 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
101- BREAKROOM	1	226.0	5.7	734.8	5.00	0.06	0.0	0.0	41.8
102 CORRIDOR	1	189.0	0.0	116.4	0.00	0.06	0.0	0.0	11.3
108 - LOBBY	1	736.0	22.1	1113.1	0.00	0.06	0.0	0.0	44.2
114 CORRIDOR	1	192.0	0.0	117.5	0.00	0.06	0.0	0.0	11.5
112 OFFICE	1	136.0	0.7	204.1	5.00	0.06	0.0	0.0	11.6
113 COMM RM	1	89.0	5.3	192.4	5.00	0.06	0.0	0.0	32.0
Totals (incl. Space Multipliers)				2478.4					152.4

Ventilation Sizing Summary for AC-3 HP-3

Project Name: 21.09.192 JEFFCO ES TRAINING BLDG
Prepared by: BBG&S Engineering Consultants, Inc.
02/18/2024 01:32PM

1. Summary

Ventilation Sizing Method .... Sum of Space OA Airflows
Design Ventilation Airflow Rate .... 147 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
109A TRAINING RM	1	474.0	23.7	1189.4	5.00	0.06	0.0	0.0	146.9
104 - WOMEN	1	178.0	0.0	276.8	0.00	0.00	0.0	0.0	0.0
105 - MEN	1	208.0	0.0	215.3	0.00	0.00	0.0	0.0	0.0
Totals (incl. Space Multipliers)				1681.5					146.9

Ventilation Sizing Summary for AC-2-1 HP-2-1

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.
02/18/2024 02:43PM

1. Summary

Ventilation Sizing Method .... Sum of Space OA Airflows
Design Ventilation Airflow Rate .... 130 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
205 COMMUNICATIONS	1	1.0	0.0	1394.2	5.00	0.06	0.0	0.0	0.1
203 UNISEX RESTROOM	1	89.0	0.0	74.9	0.00	0.00	70.0	0.0	70.0
208 EQUIP STORAGE	1	483.0	0.0	387.8	0.00	0.00	30.0	0.0	30.0
206 WORKSHOP	1	193.0	1.0	310.2	0.00	0.00	30.0	0.0	30.0
Totals (incl. Space Multipliers)				2167.1					130.1

Ventilation Sizing Summary for AC-2-2 HP-2-2

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.
02/18/2024 02:43PM

1. Summary

Ventilation Sizing Method .... Sum of Space OA Airflows
Design Ventilation Airflow Rate .... 225 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
201 ELECTRONICS OFFICE	1	1603.0	8.0	1623.1	0.00	0.00	225.0	0.0	225.0
Totals (incl. Space Multipliers)				1623.1					225.0

Ventilation Sizing Summary for AC-2-3 HP-2-3

Project Name: 21.09.192 JEFFCO ES INST BLDG
Prepared by: BBG&S Engineering Consultants, Inc.
02/18/2024 02:43PM

1. Summary

Ventilation Sizing Method .... Sum of Space OA Airflows
Design Ventilation Airflow Rate .... 355 CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Mult.	Floor Area (ft²)	Maximum Occupants	Maximum Supply Air (CFM)	Required Outdoor Air (CFM/person)	Required Outdoor Air (CFM/ft²)	Required Outdoor Air (CFM)	Required Outdoor Air (% of supply)	Uncorrected Outdoor Air (CFM)
Zone 1									
202 LOCKER	1	258.0	0.0	285.0	0.00	0.00	285.0	0.0	285.0
203 UNISEX RESTROOM	1	89.0	0.0	74.9	0.00	0.00	70.0	0.0	70.0
Totals (incl. Space Multipliers)				359.9					355.0

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DESIGN BY: LJB ✦ DRAWN BY: LJB ✦ CHECKED BY: LJB ✦ BBGS NO: 21.09.192

SPLIT SYSTEM AC UNIT SCHEDULE - HEAT PUMP

MARK	SERVES	SUPPLY FAN			OSA CFM	COOLING COIL				HEATING COIL				ACCESSORIES	ELECTRICAL			TONS NOMINAL	BASIS OF DESIGN
		CFM	ESP IN WC	HP		SENS. MBH	TOTAL MBH	AIR ENT. F° DB	AIR ENT. °F WB	HP MBH @ 17°F	ELECT. KW	STEPS	ENT. AIR F		V / Ø	MCA	MOCP		
AC-1-1	TRAINING BLDG	2400	0.8	1.0	160	50.6	67.3	75	62.6	41.7	11.3	1	60	[1] [2] [3] [4] [5]	208 / 1	34.9	35	6.0	RHEEM
AC-1-2	TRAINING BLDG	2800	0.8	1.0	415	58.2	84.1	75	63.9	50.61	18.8	2	60	[1] [2] [3] [4] [5]	208 / 1	48	50	7.5	RHEEM
AC-1-3	TRAINING BLDG	1600	0.6	0.745	150	35.1	43.9	75	62.1	26.8	9	1	68	[1] [2] [3] [4] [5]	230 / 1	34.5	35	4.0	RHEEM RH1P

NOTES

A. CAPACITIES ARE MINIMUM GROSS CAPACITIES.
B. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ELECTRIC HEATERS.
C. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ALLOWANCE FOR DIRTY FILTERS.
D. OTHER ACCEPTABLE MANUFACTURER'S: GOODMAN, TRANE
E. STANDARD LINE LENGTH 80 FT.

ACCESSORIES

[1] HUMIDITY CONTROL WITH HOT GAS REHEAT AND WALL MOUNTED HUMIDITY SENSOR
[2] FILTER RACK WITH MERV 8 FILTERS
[3] SEVEN DAY PROGRAMMABLE THERMOSTAT, FOUR SCHEDULES AND NIGHT SETBACK
[4] CONDENSATE OVERFLOW SWITCH
[5] SINGLE POINT ELECTRICAL CONNECTION

HEAT PUMP SCHEDULE - AIR COOLED

MARK	SERVES	ACCESSORIES	NOMINAL TON	ELECTRICAL			MINIMUM SEER (IEER)	BASIS OF DESIGN
				V / Ø	MCA	MOCP		
HP-1-1	AC-1-1	[1] [2] [3] [4] [5]	6.0	208 / 3	27.5	45	(12.6)	RHEEM
HP-1-2	AC-1-2	[1] [2] [3] [4] [5]	7.5	208 / 3	34.5	50	(12)	RHEEM
HP-1-3	AC-1-3	[1] [2] [3] [4] [5]	4.0	208 / 3	14.5	25	15	RHEEM WSP14

NOTES

A. CAPACITY TO BALANCE RESPECTIVE AC UNIT
B. COOLING CAPACITY BASED ON 95F AMBIENT
C. HEATING CAPACITY BASED ON 47F AMBIENT
D. MINIMUM SEER/COP AT ARI CONDITIONS
E. STANDARD LINE SET 80 FT

ACCESSORIES

[1] OUTDOOR THERMOSTAT W/ LOCKOUT
[2] ANTI SHORT CYCLE KIT
[3] LOW AMBIENT KIT
[4] LOW PRESSURE SWITCH
[5] 5 YEAR COMPRESSOR WARRANTY, FREEZE PROTECTION KIT

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 19512 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY - TRAINING BUILDING 1331

SHEET TITLE
TRAINING BUILDING MECHANICAL OUTSIDE AIR CALCULATIONS AND SCHEDULES

DRAWING NUMBER
M0.5

PROJECT NUMBER
202123

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SPLIT SYSTEM AC UNIT SCHEDULE – HEAT PUMP

MARK	SERVES	SUPPLY FAN			OSA CFM	COOLING COIL				HEATING COIL				ACCESSORIES	ELECTRICAL (HTR)			TONS NOMINAL	BASIS OF DESIGN
		CFM	ESP IN WC	HP		SENS. MBH	TOTAL MBH	AIR ENT. F° DB	AIR ENT. °F WB	HP MBH @ 47°F	ELECT. KW	STEPS	ENT. AIR F		V / Ø	MCA	MOCP		
AC-T1	OFFICE	1,200	0.7	1/2	100	24.3	33.1	76.6	64.2	30.1	9	1	65.8	[1] [2] [3] [4] [5]	208 / 3	32	35	3.0	RHEEM RH1P
AC-T2	BREAK	1,200	0.7	1/2	170	24.3	33.1	77.8	65.1	30.1	9	1	62.7	[1] [2] [3] [4] [5]	208 / 3	32	35	3.0	RHEEM RH1P
AC-11	LOCKER ROOMS	1,930	0.7	3/4	1,000	43.7	53.9	78.9	66.4	54.2	9	1	58.4	[1] [2] [3] [4] [5]	208 / 3	32	35	5.0	RHEEM RH1P

NOTES
A. CAPACITIES ARE MINIMUM GROSS CAPACITIES.
B. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ELECTRIC HEATERS.
C. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE ALLOWANCE FOR DIRTY FILTERS.
D. OTHER ACCEPTABLE MANUFACTURER'S: GOODMAN, TRANE
E. STANDARD LINE LENGTH 80 FT.

ACCESSORIES
[1] 2015 IEEC COMPLIANT
[2] FILTER RACK WITH MERV 8 FILTERS
[3] SEVEN DAY PROGRAMMABLE THERMOSTAT, FOUR SCHEDULES AND NIGHT SETBACK
[4] CONDENSATE OVERFLOW SWITCH
[5] DUAL POINT ELECTRICAL CONNECTION

HEAT PUMP SCHEDULE – AIR COOLED

MARK	SERVES	ACCESSORIES	NOMINAL TON	ELECTRICAL			MINIMUM SEER (IEER)	BASIS OF DESIGN
				V / Ø	MCA	MOCP		
HP-T1	AC-T1	[1] [2] [3] [4] [5]	3.0	208 / 3	11.7	20	14.0	RHEEM WSP14
HP-T2	AC-T2	[1] [2] [3] [4] [5]	3.0	208 / 3	11.7	20	14.0	RHEEM WSP14
HP-11	AC-11	[1] [2] [3] [4] [5]	5.0	208 / 3	21.5	30	14.0	RHEEM WSP14

NOTES
A. CAPACITY TO BALANCE RESPECTIVE AC UNIT
B. COOLING CAPACITY BASED ON 95F AMBIENT
C. HEATING CAPACITY BASED ON 47F AMBIENT
D. MINIMUM SEER/COP AT ARI CONDITIONS
E. STANDARD LINE SET 80 FT

ACCESSORIES
[1] OUTDOOR THERMOSTAT W/ LOCKOUT
[2] ANTI SHORT CYCLE KIT
[3] LOW AMBIENT KIT
[4] LOW PRESSURE SWITCH
[5] 5 YEAR COMPRESSOR WARRANTY, FREEZE PROTECTION KIT

ENERGY RECOVERY UNIT - FIXED PLATE

MARK	OUTSIDE AIR						EXHAUST AIR						AIR TO BUILDING			ELECTRICAL V/Ø	ACCESSORIES	BASIS OF DESIGN (S&P)
	SUMMER		WINTER	CFM	E.S.P. In. W.G.	FAN H.P.	SUMMER		WINTER	CFM	E.S.P. In. W.G.	FAN H.P.	SUMMER		WINTER			
	Fdb	Fwb	Fdb				Fdb	Fwb	Fdb				Fdb	Fwb	Fdb			
HXG-11	95	76	18	1,000	0.7	1.0	75	62.5	70	1,000	0.7	1.0	82.1	69.5	51.6	115/1	1 2 3 4 5 6	TRC 1200

ACCESSORIES:
1 SINGLE POINT WIRING CONNECTION WITH DISCONNECT SWITCH
2 2" THICK PLEATED FILTER - OSA AND EXHAUST
3 CLASS 1 MOTORIZED OSA & EXHAUST LOW LEAK DAMPERS
4 ECM MOTORS W/SPEED CONTROL
5 INTEGRATED PROGRAMMABLE CONTROLS
6 NON-FUSED DISCONNECT

OUTSIDE AIR CALCULATIONS

ROOM NAME	AREA SQ. FT.	NO. OF PEOPLE	OSA CFM / PERSON	OSA CFM / SQ FT	TOTAL OSA	TOTAL OSA AC-T1	TOTAL OSA AC-T2	TOTAL OSA AC-11
OFFICE	874	5	5.0	0.06	77	80	50	----
STORAGE	128	---	---	0.12	15	15	---	---
BREAK ROOM	803	14	5.0	0.06	118	---	120	---
CORRIDOR	127	---	---	0.06	8	---	---	10
TOTALS					REQUIRED OSA	95	156	10
					PROVIDED OSA	100	170	1,000

NOTES:
1. REQUIRED OUTSIDE AIR BASED ON THE 2018 INTERNATIONAL MECHANICAL CODE TABLE 403.3.

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - TELEVISION INSPECTIONS BUILDING 1296
SHEET TITLE
TELEVISION INSPECTIONS BUILDING MECHANICAL OUTSIDE AIR CALCULATIONS AND SCHEDULES
DRAWING NUMBER
M0.6
PROJECT NUMBER
202123

BBG&S
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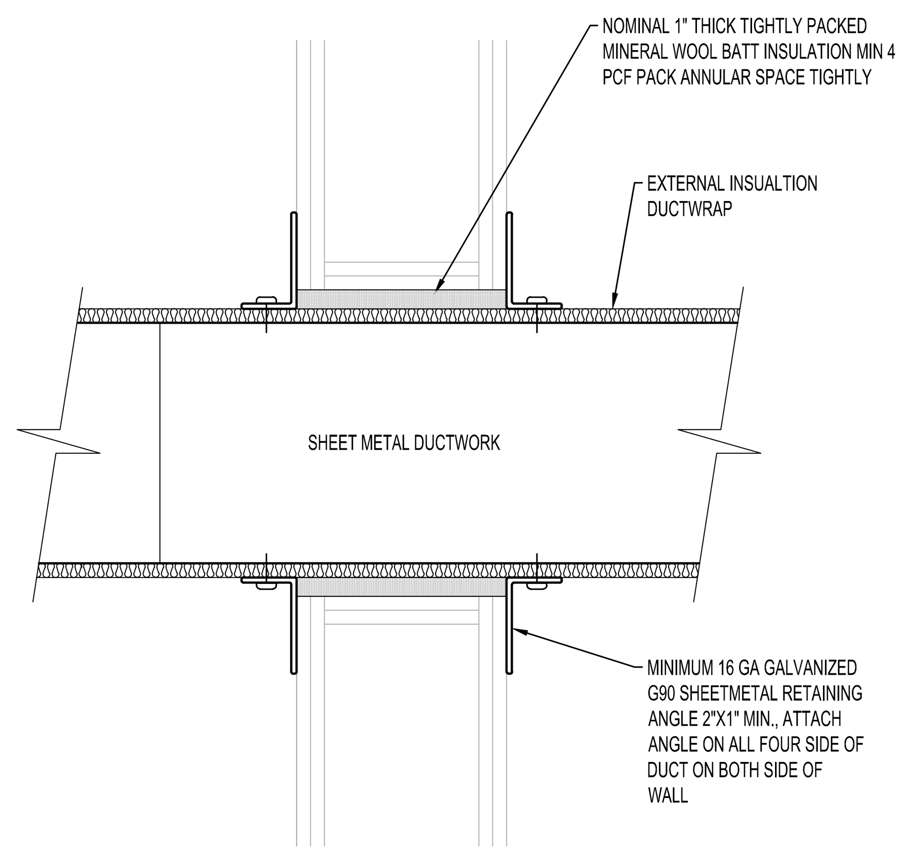
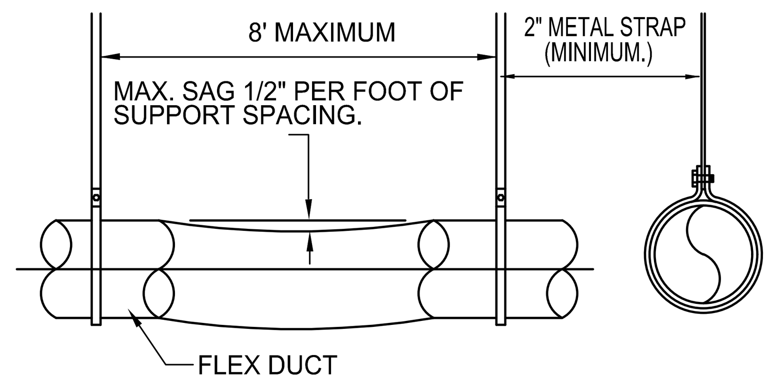
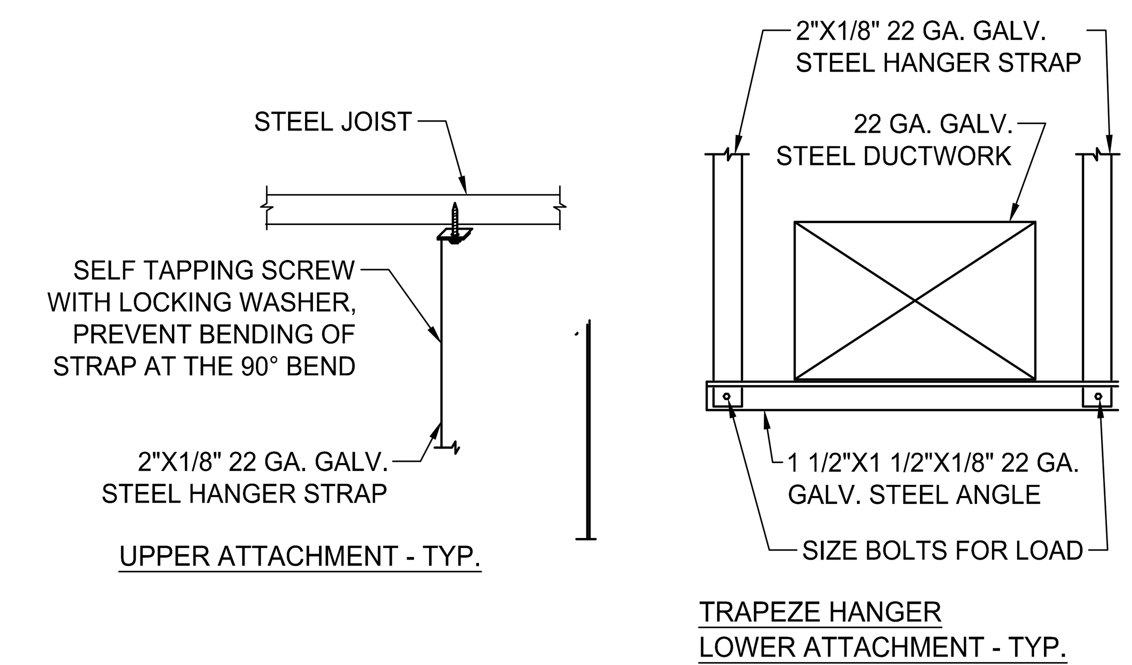


INTERIOR WALL DUCT PENETRATION — DETAIL NO: 11

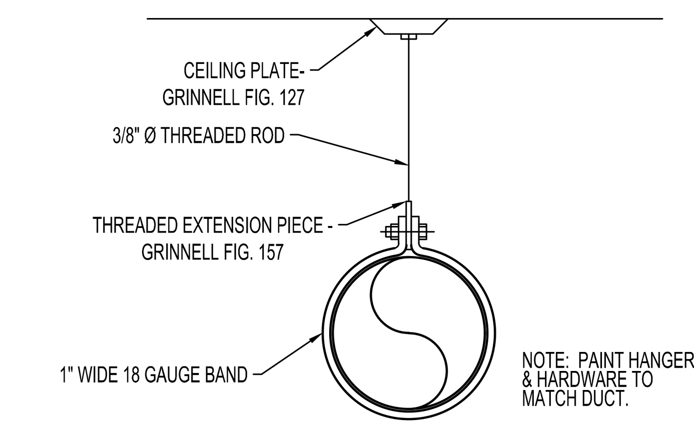


NOTES:

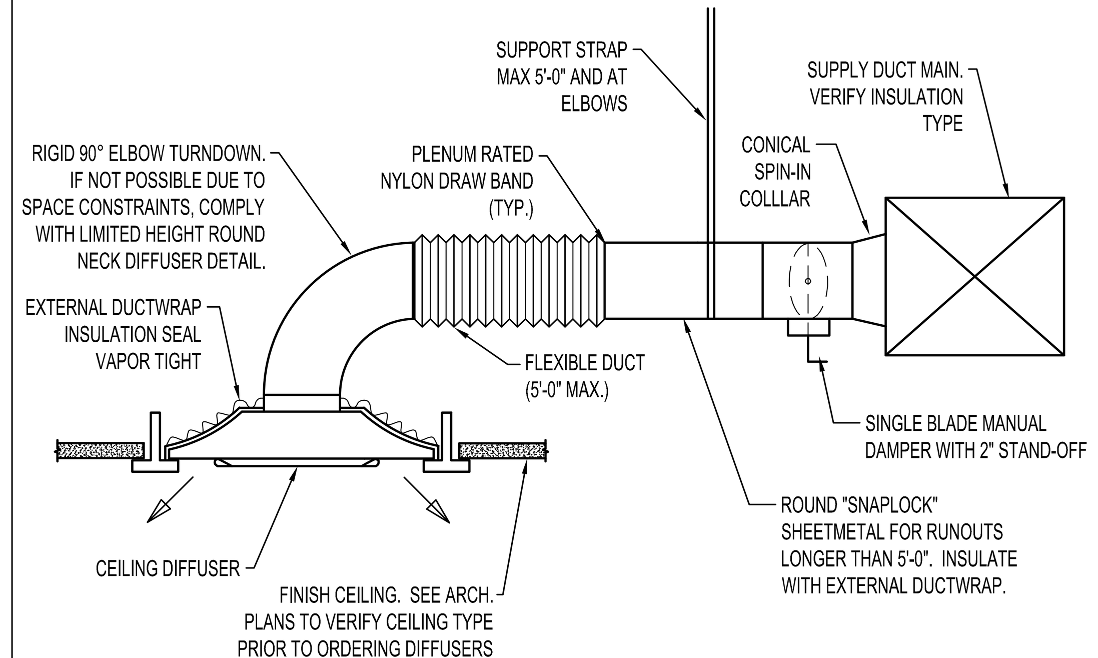
1.) DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING.
2.) SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.



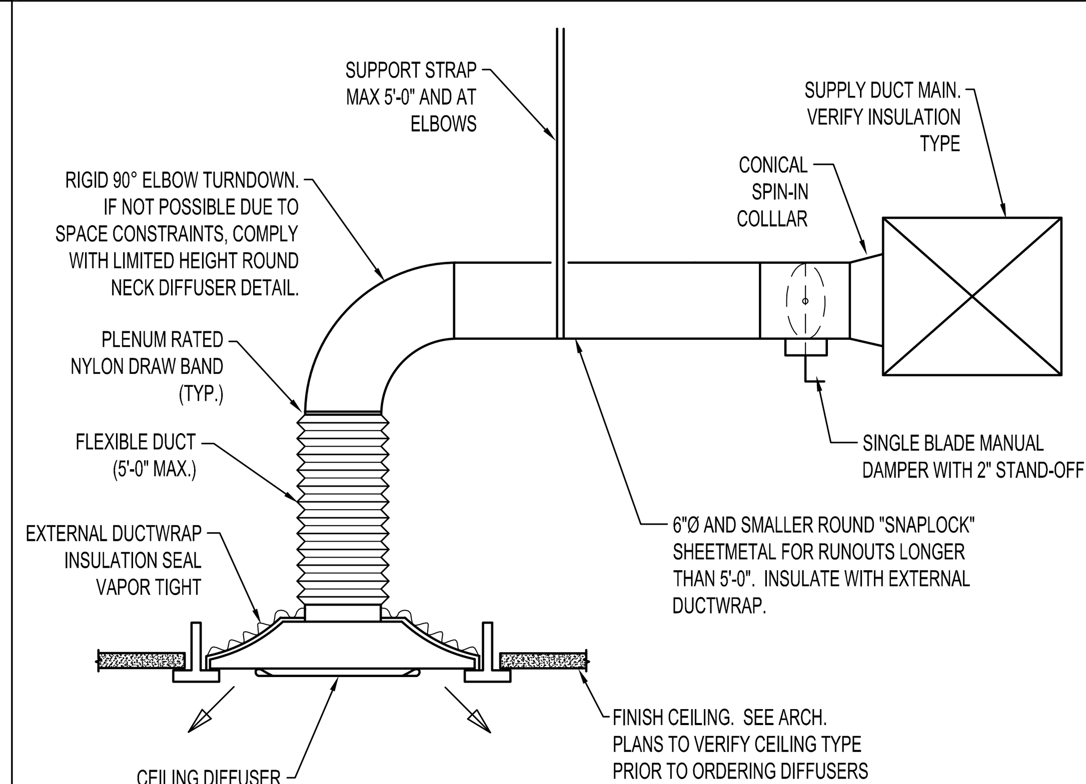
DUCTWORK SUPPORT DETAIL — DETAIL NO: 10



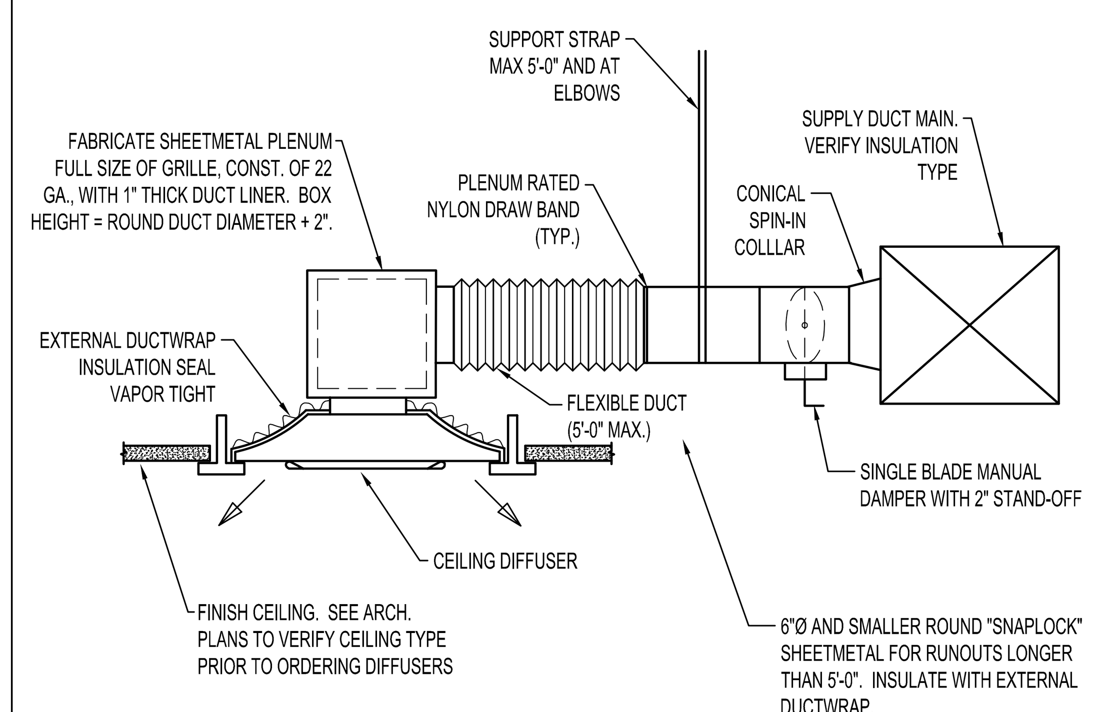
HANGERS FOR ROUND DUCTWORK OVER 12" DIA AND FOR DOUBLEWALL DUCTWORK — DETAIL NO: 9



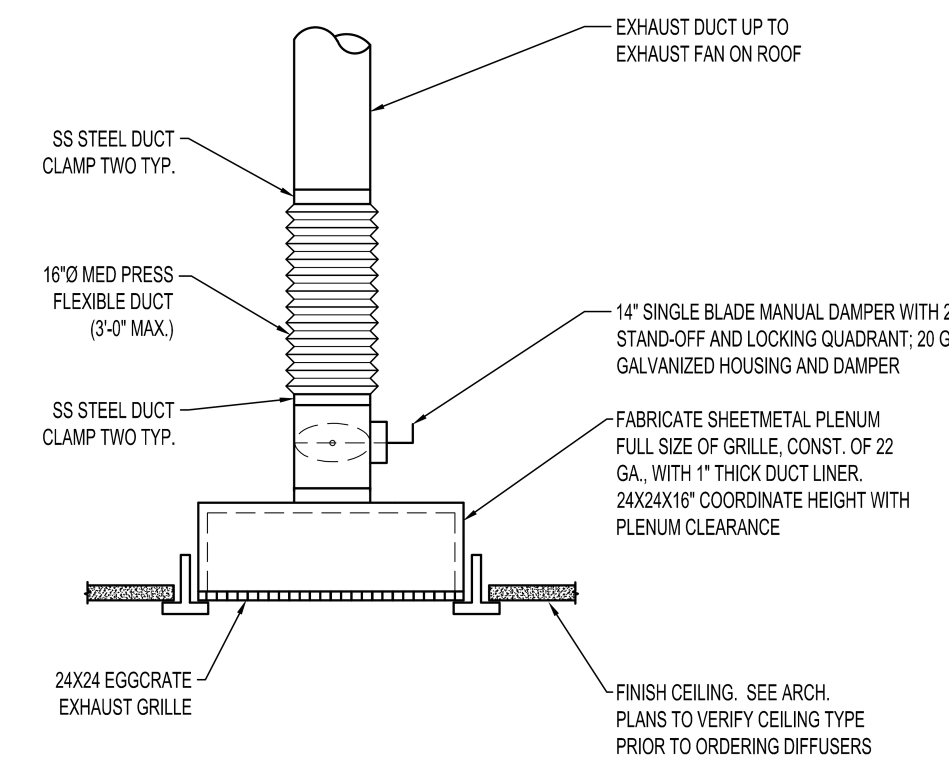
LOW PRESSURE BRANCH DUCT / ROUND NECK DIFFUSER DETAIL — DETAIL NO: 8



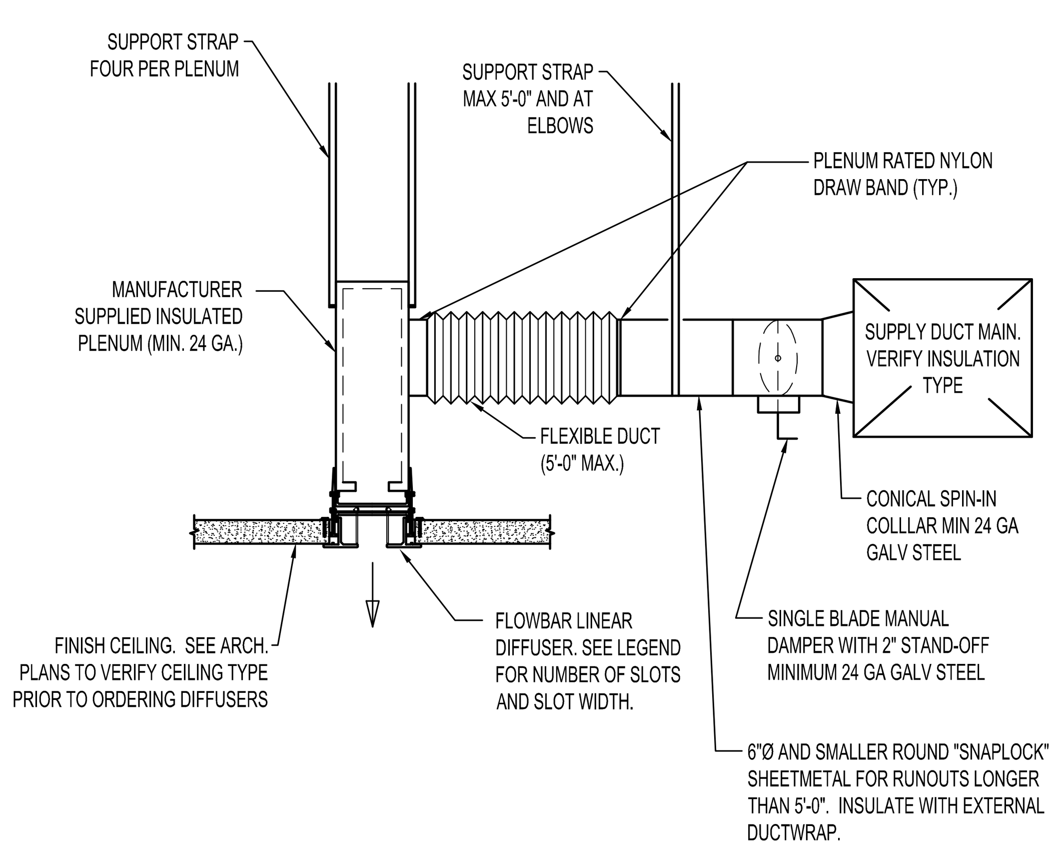
LOW PRESSURE BRANCH DUCT / ROUND NECK DIFFUSER DETAIL — DETAIL NO: 7



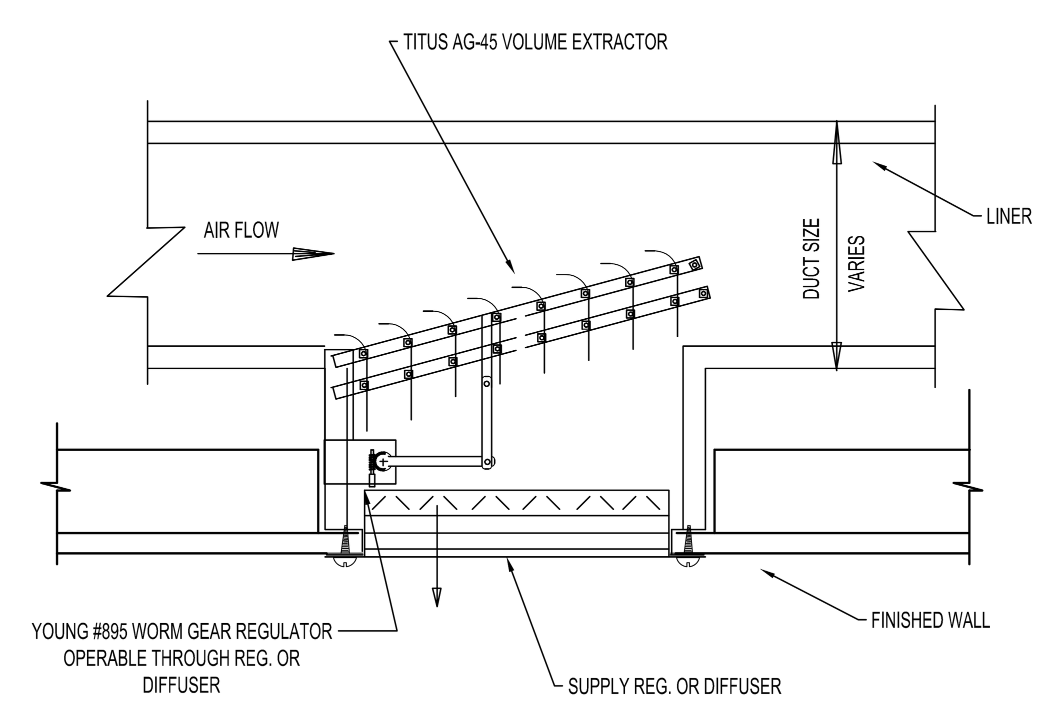
LOW PRESSURE BRANCH DUCT / LIMITED HEIGHT ROUND NECK DIFFUSER — DETAIL NO: 6



RETURN / EXHAUST GRILLE DETAIL — DETAIL NO: 5

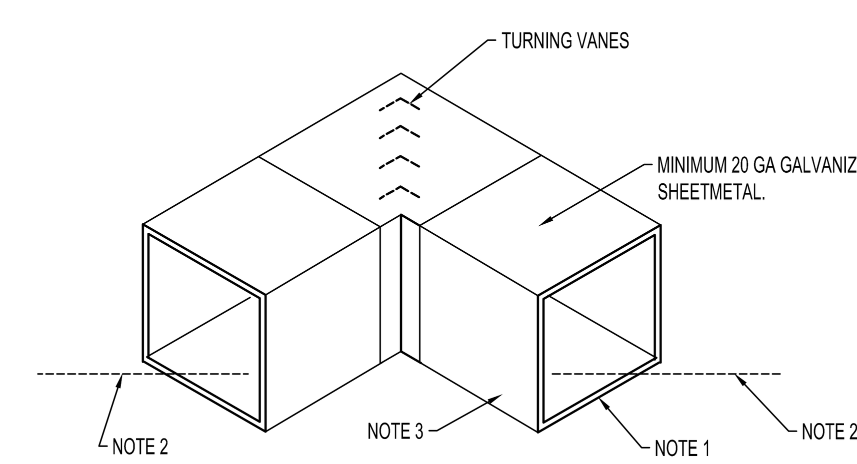


FLOWBAR CEILING DIFFUSER — DETAIL NO: 4



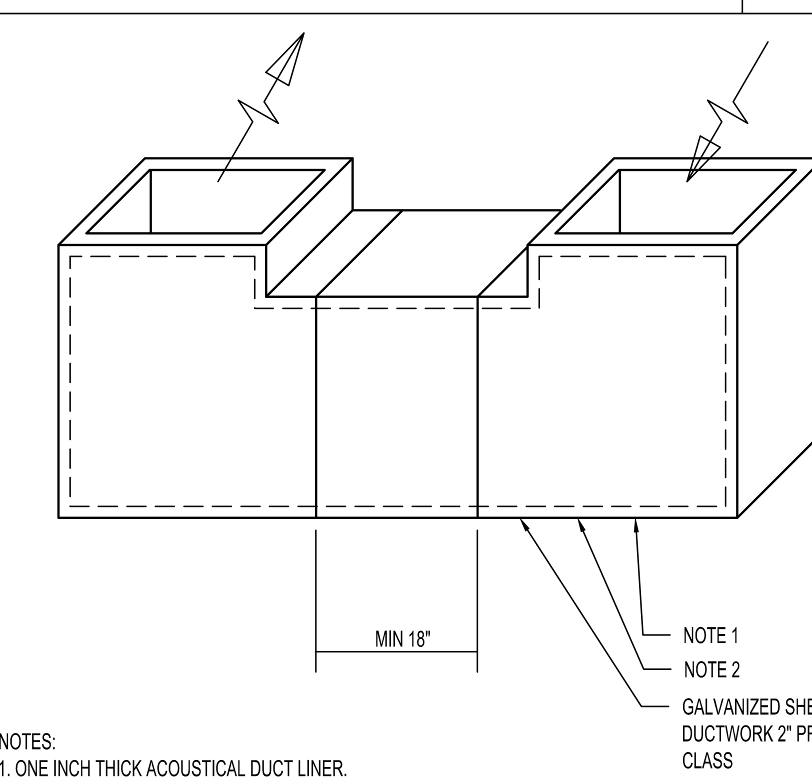
NOTE:
USE THIS DETAIL FOR ALL REGISTERS AND DIFFUSERS WITH RECTANGULAR DUCT CONNECTIONS WITHOUT SUFFICIENT SPACE FOR INSTALLATION OF A 45 DEGREE TAP AND MANUAL DAMPER. OTHERWISE SEE "DUCT BRANCH CONNECTION" DETAIL.

DUCT CONNECTION AT SUPPLY REGISTER — DETAIL NO: 3



NOTES:
1. ONE INCH THICK DUCT LINER DUCT LINER.
2. NO LINE OF SIGHT ALLOWED THROUGH TRANSFER.
3. DIMENSIONS AS SHOWN ON PLANS.
4. 1" THICK DUCTBOARD MAYBE SUBSTITUTED WITH THE ENGINEERS PRIOR APPROVAL.

TRANSFER DUCT — DETAIL NO: 2



NOTES:
1. ONE INCH THICK ACOUSTICAL DUCT LINER.
2. WIDTH AN DEPTH AS SHOWN ON PLANS

STEEL TRANSFER DUCT — DETAIL NO: 1

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 9612 LAWRENCE J. BOWNESS
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3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

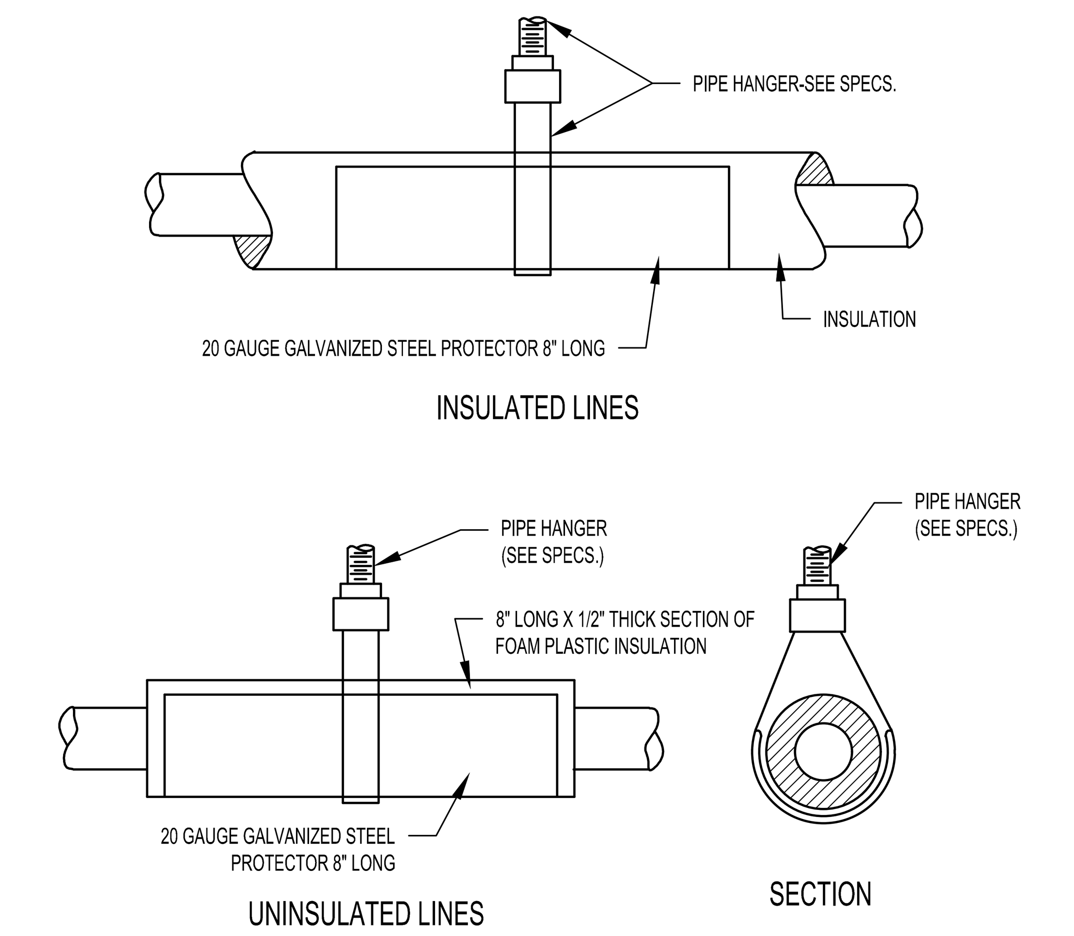
JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

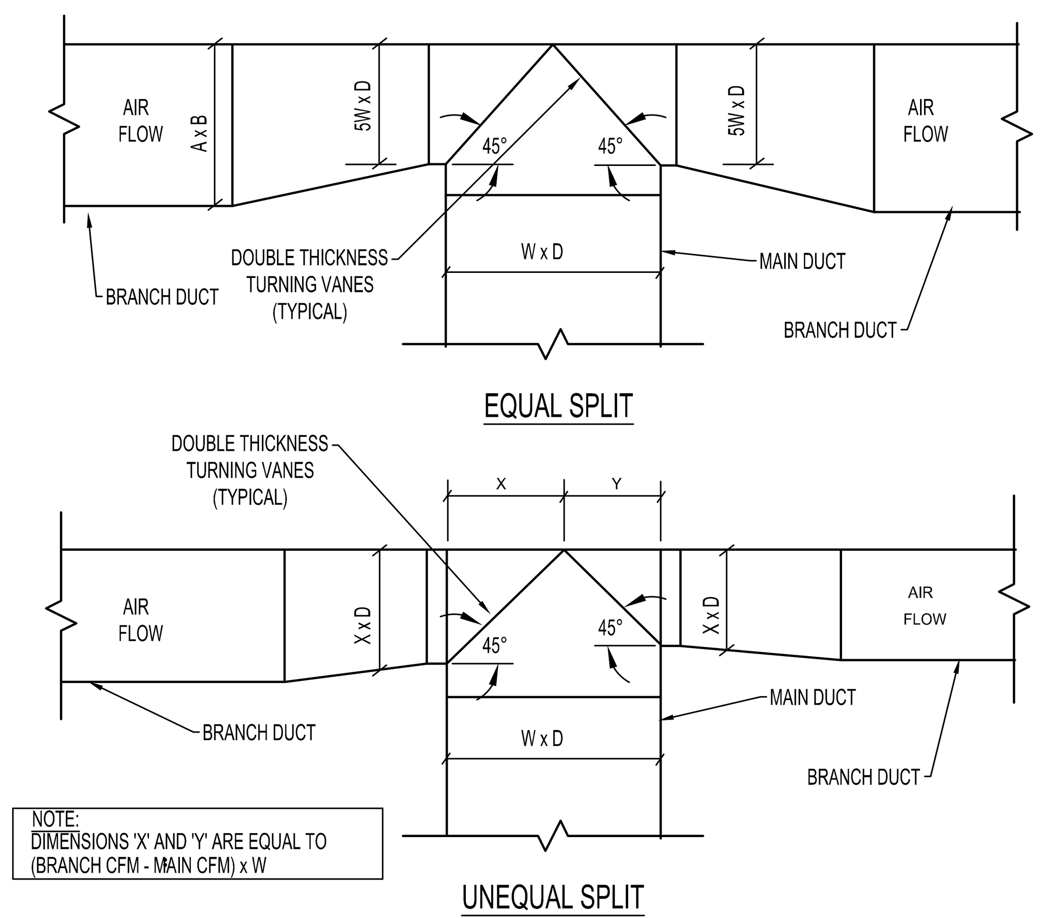
SHEET TITLE
HVAC DETAIL

DRAWING NUMBER
M0.7

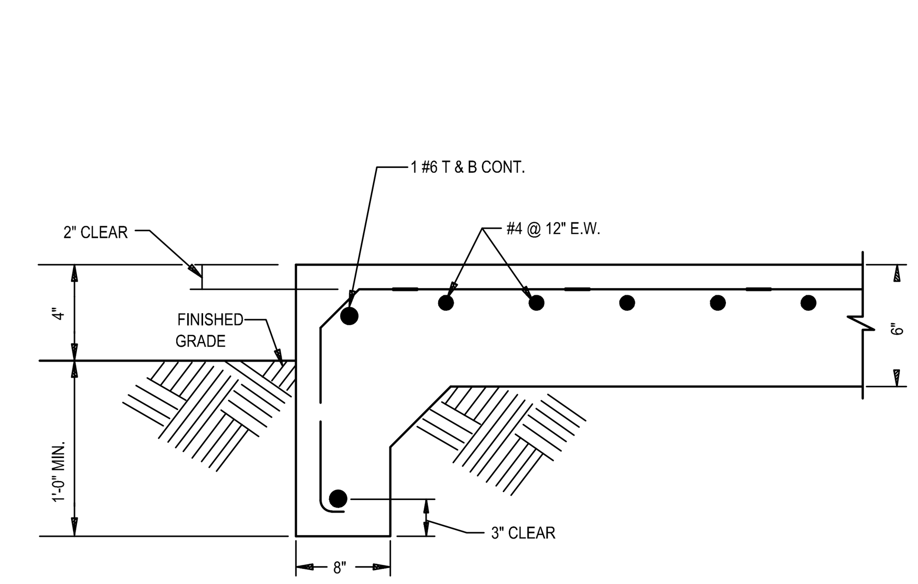
PROJECT NUMBER
202123



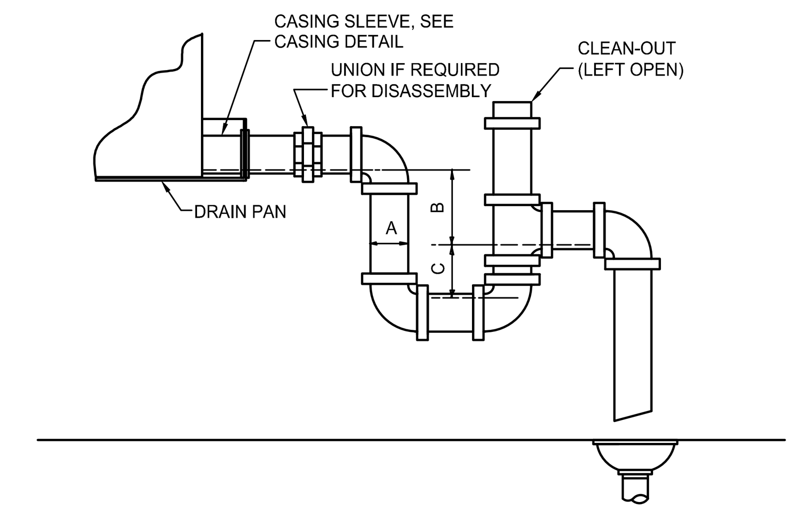
REFRIGERANT LINE PIPE HANGERS — DETAIL NO: 12



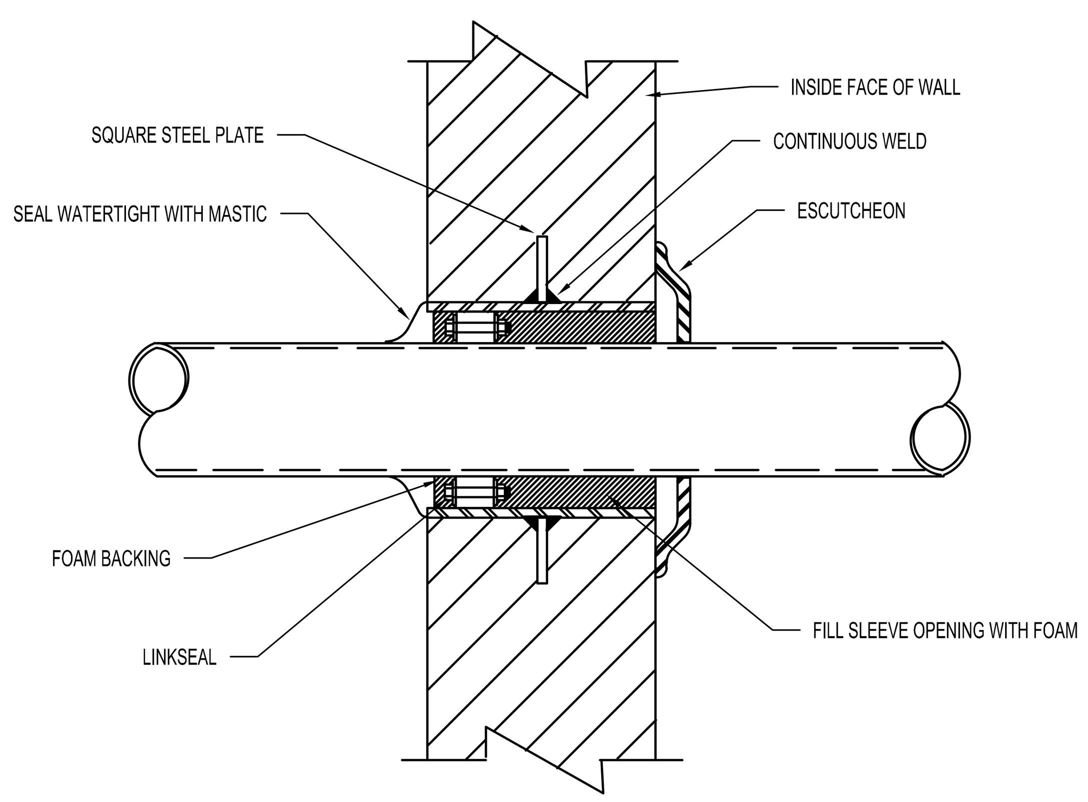
DUCT TEE CONNECTION — DETAIL NO: 11



CONCRETE PAD DETAIL — DETAIL NO: 10

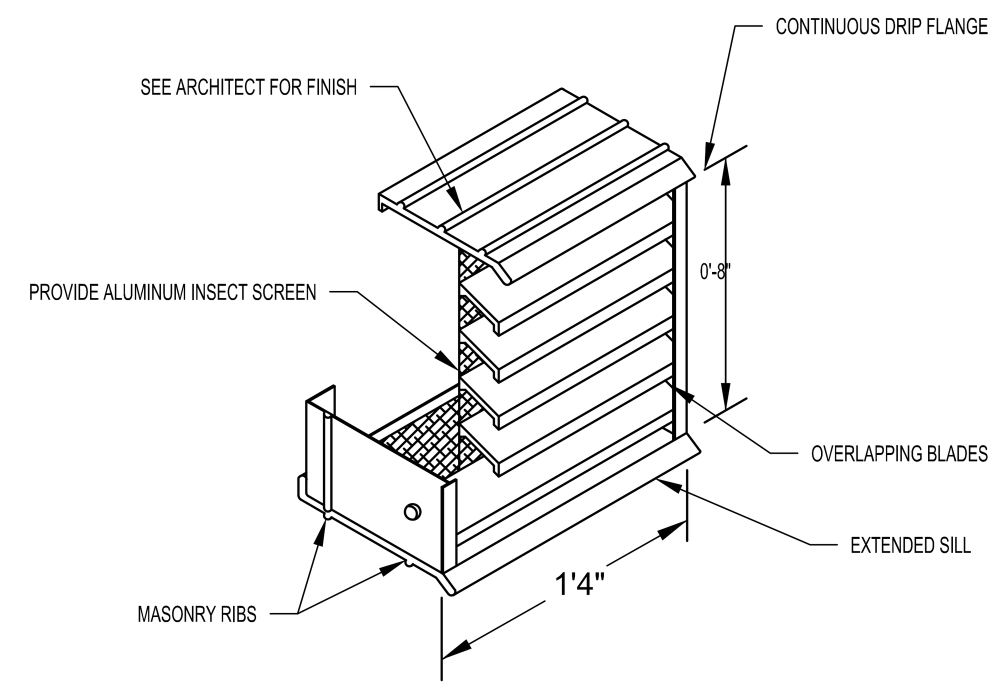


AC UNIT DRAIN TRAP DETAIL — DETAIL NO: 9

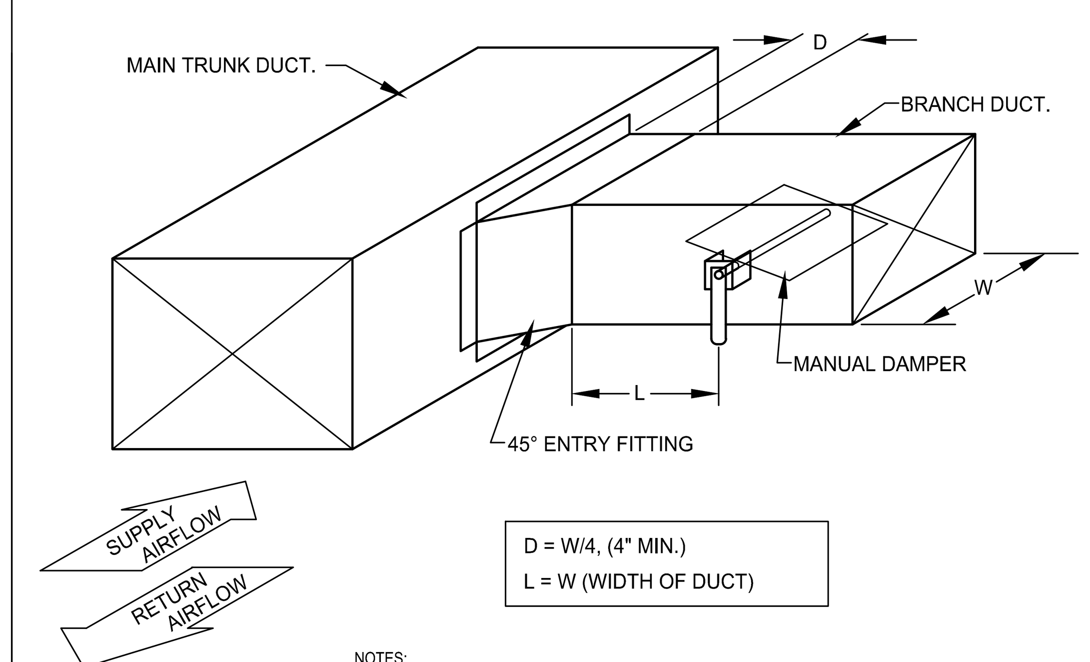


IN EXISTING CONCRETE WALLS, CORE DRILL THE WALL TO PROPER SIZE AND INSTALL LINK-SEAL AND MASTIC.

PIPE SLEEVE FOR OUTSIDE WALL ABOVE OR BELOW GRADE — DETAIL NO: 8

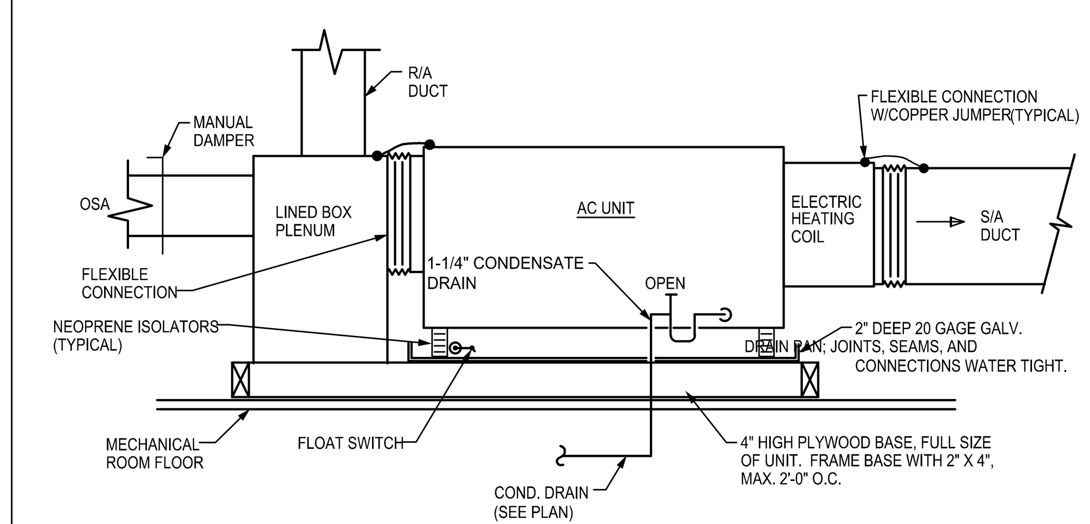


BRICK VENT — DETAIL NO: 7

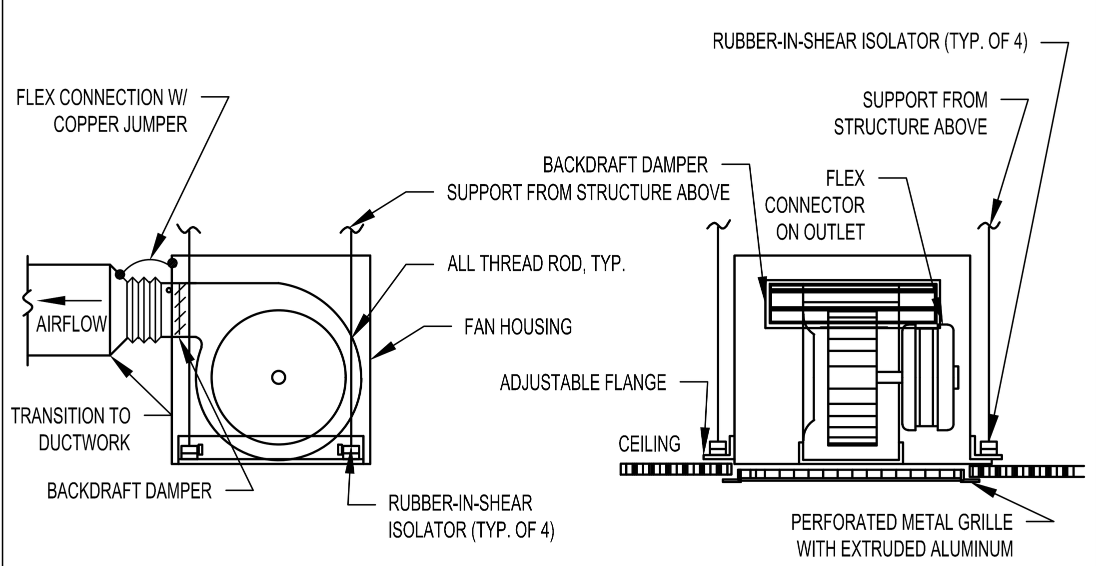


NOTES:
1. FABRICATE PER SMACNA DUCT CONSTRUCTION STANDARDS FIGURE #2-8.
2. SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS. FABRICATE LINED DUCT CONNECTIONS SO THAT THERE ARE NO EXPOSED LINER EDGES.

DUCT BRANCH DETAIL — DETAIL NO: 6

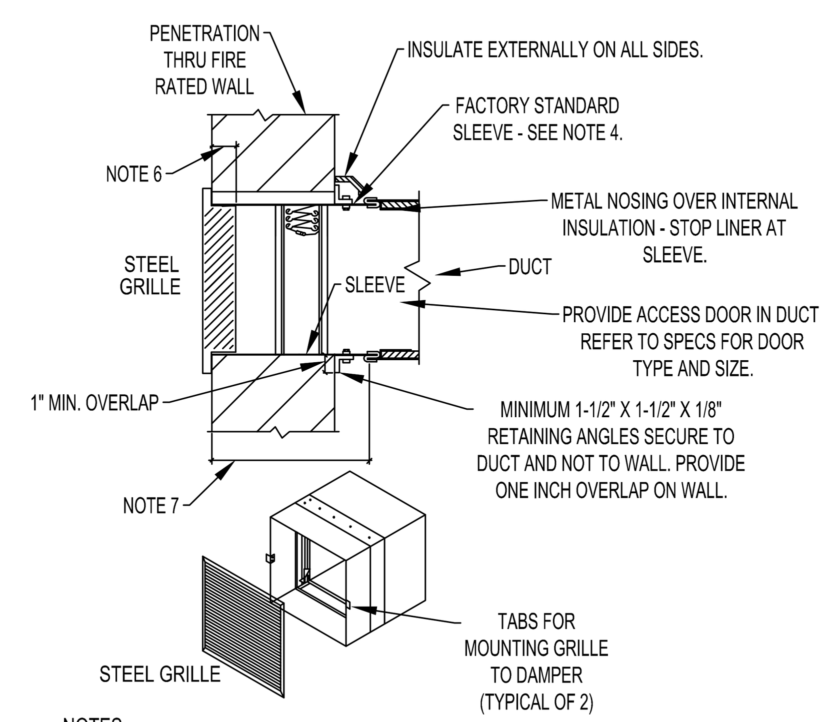


TYPICAL HORIZONTAL AC UNIT DETAIL — DETAIL NO: 5



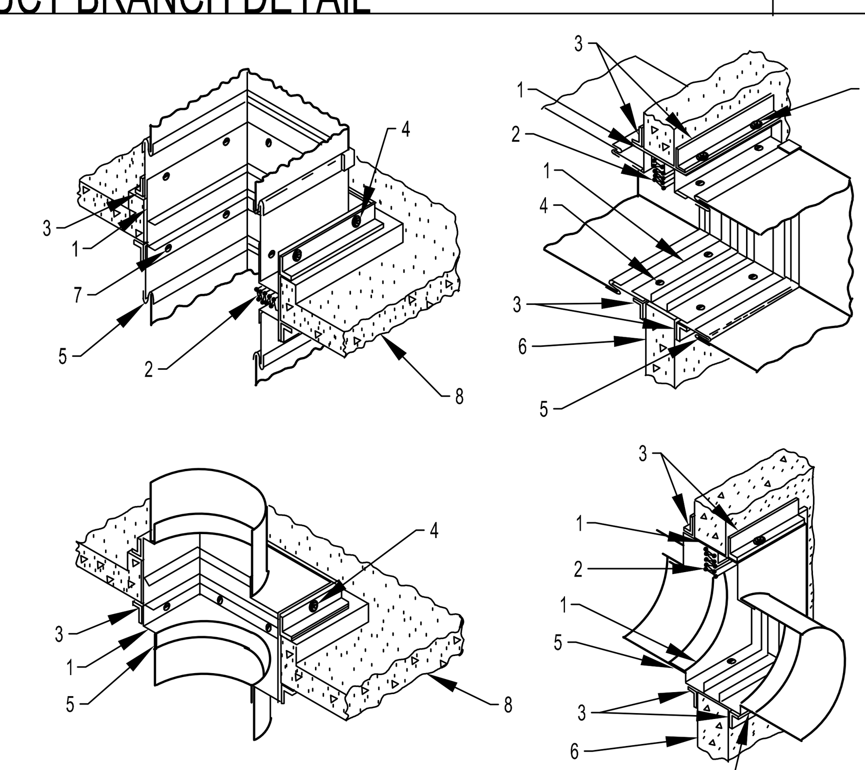
NOTES:
1. PROVIDE LOCAL POWER DISCONNECT
2. PROVIDE THIN LINE LOUVER WITH FLANGE FRAME BETWEEN CABINET FAN AND GRILLE AS REQUIRED

CEILING MOUNTED EXHAUST FAN — DETAIL NO: 4



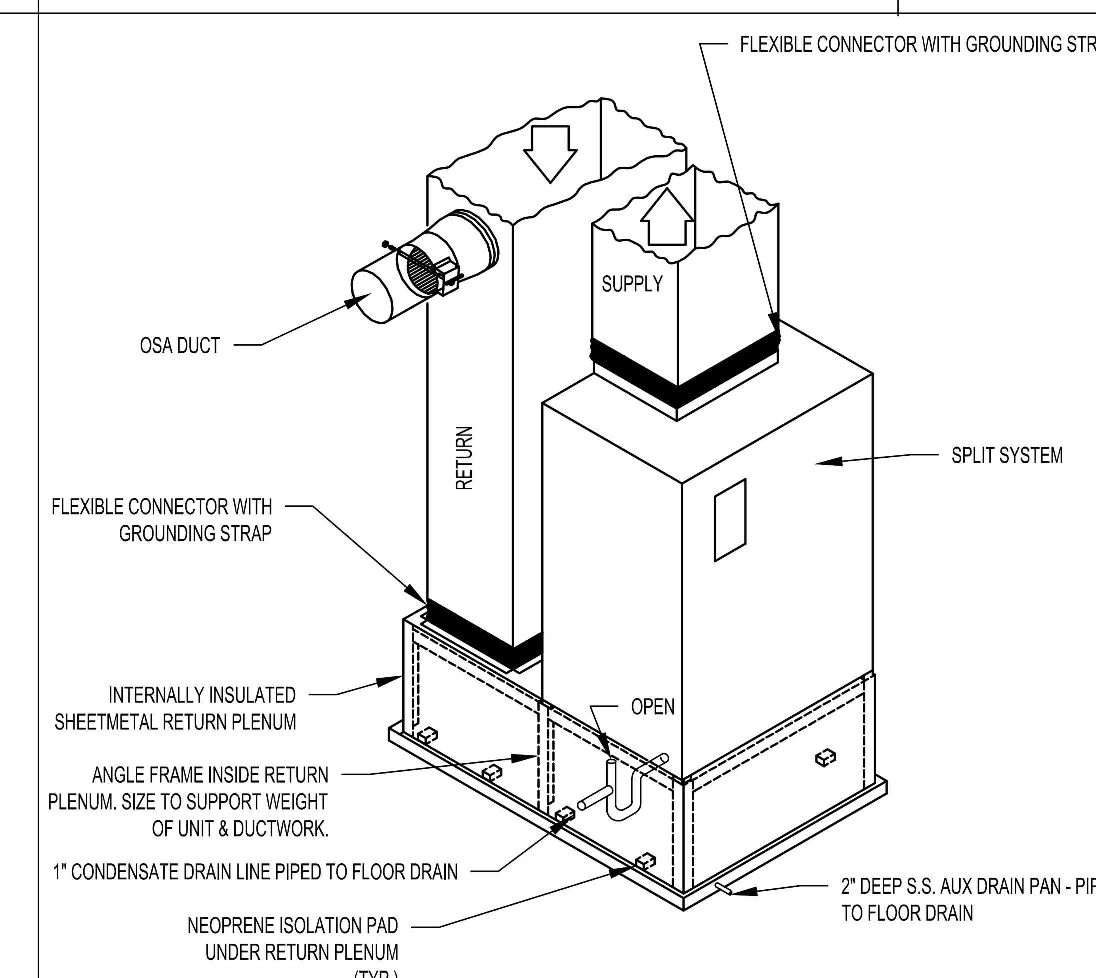
NOTES:
1. BASIS OF DESIGN: RUSKIN IBD20 THINLINE STYLE "G", OR IBD2/T. SEE NOTE 6 & 7.
2. DAMPER ASSEMBLY SHALL BE U.L. 555 LISTED AND NFPA 90A APPROVED. PROVIDE WITH 165 deg. F FUSIBLE LINK AND 1-1/2 HOUR FIRE RATING.
3. INSTALL DAMPER AND SLEEVE PER MANUFACTURER'S RECOMMENDATIONS.
4. MAKE OPENING 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS. WITH 1/4" MIN. REQUIRED.
5. SEAL BETWEEN WALL AND SLEEVE BEHIND RETAINING ANGLE WITH APPROVED FIRE STOP MATERIAL.
6. IF DIMENSION IS 2 3/4" USE IBD20 STYLE "G", OTHERWISE USE IBD2/T.
7. IF DIMENSION IS 12" USE IBD20 STYLE "G", OTHERWISE USE IBD2/T.

FIRE DAMPER WITH SIDEWALL GRILLE — DETAIL NO: 3



1 WALL SLEEVE
2 FIRE DAMPER
3 MOUNTING ANGLES
4 BOLT, SCREW OR RIVET BETWEEN SLEEVE AND DAMPER
5 BREAK-AWAY JOINT
6 WALL
7 BOLT, SCREW OR RIVET BETWEEN SLEEVE AND DAMPER
8 FLOOR

FIRE DAMPER INSTALLATION — DETAIL NO: 2



VERTICAL SPLIT SYSTEM INSTALLATION — DETAIL NO: 1

BBG&S
Engineering Consultants, Inc.
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2870 Old Rocky Ridge Road, Suite 115
Birmingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB • DRAWN BY: LJB • CHECKED BY: LJB • BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 25612 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

SHEET TITLE
HVAC DETAIL

DRAWING NUMBER
M0.8

PROJECT NUMBER
202123

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DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 612 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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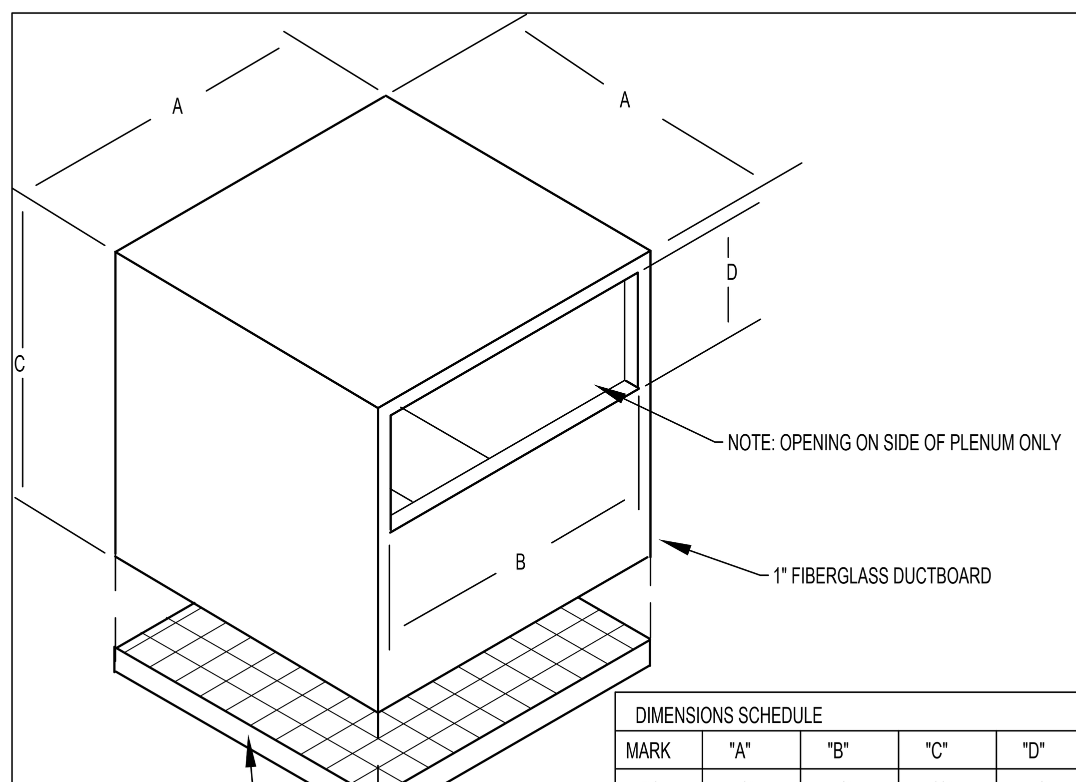
JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

SHEET TITLE
HVAC DETAIL

DRAWING NUMBER
M0.9

PROJECT NUMBER
202123



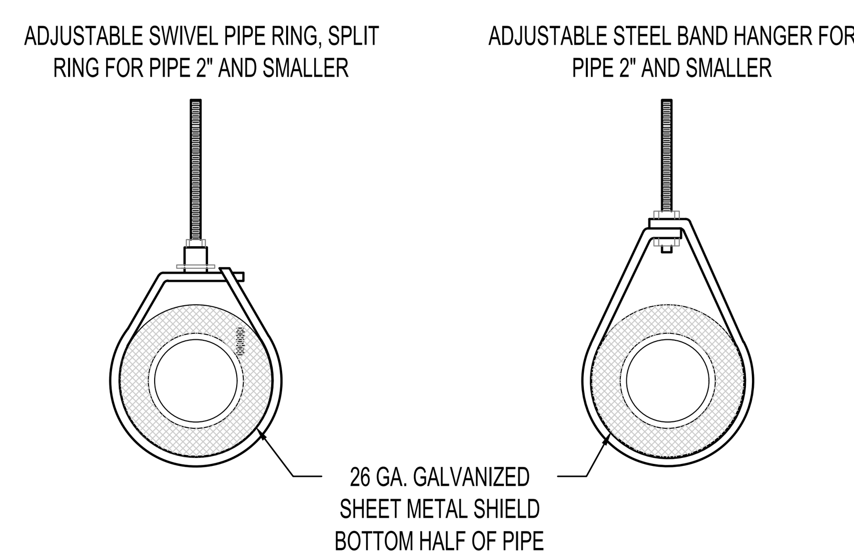
DIMENSIONS SCHEDULE

MARK	"A"	"B"	"C"	"D"
R6	6"	4"	10"	4"
R8	8"	6"	12"	6"
R12	12"	10"	16"	10"
R18	19"	16"	18"	12"
R24	24"	22"	18"	12"

NOTES:

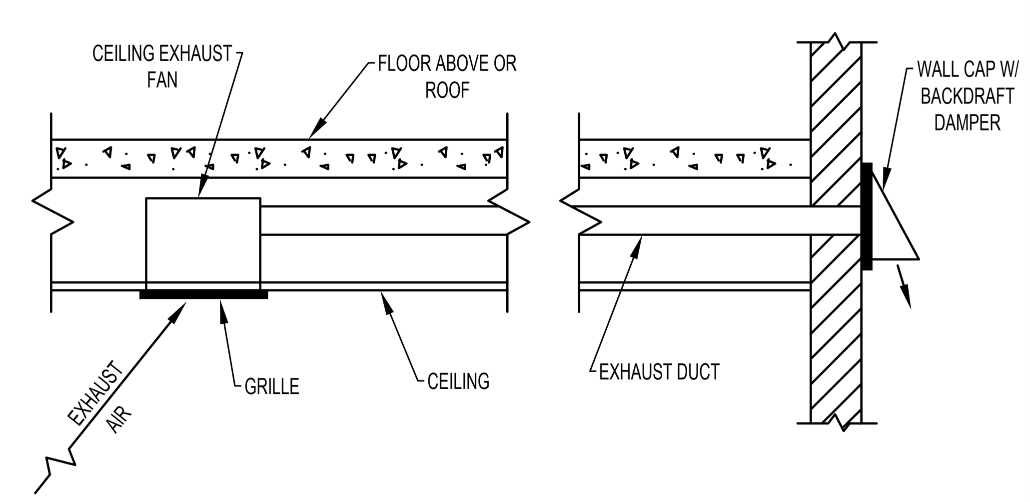
1. VERIFY DIMENSIONS FROM ACTUAL GRILLE SIZES. SEE SCHEDULE
2. PAINT ALL INTERIOR SURFACES FLAT BLACK.
3. LOCATE OPENINGS IN ADJACENT BOOTS AT RIGHT ANGLES TO EACH OTHER.

PLENUM RETURN GRILLE SOUND TRAP — DETAIL NO: 4

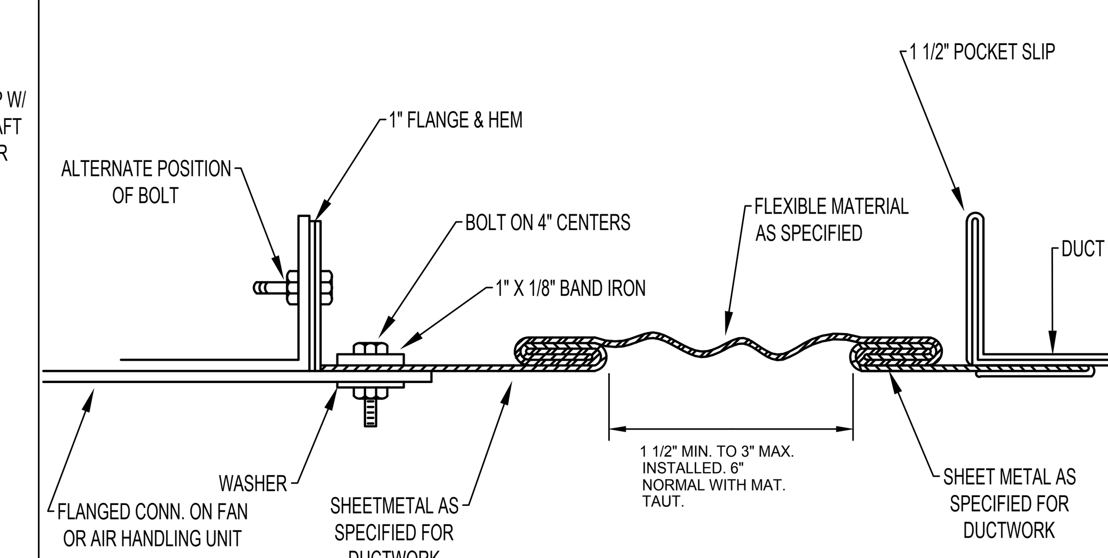


PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"
ROD DIAMETER	3/8"	3/8"	3/8"	3/8"	3/8"
SPACING	6'	8'	8'	8'	10'

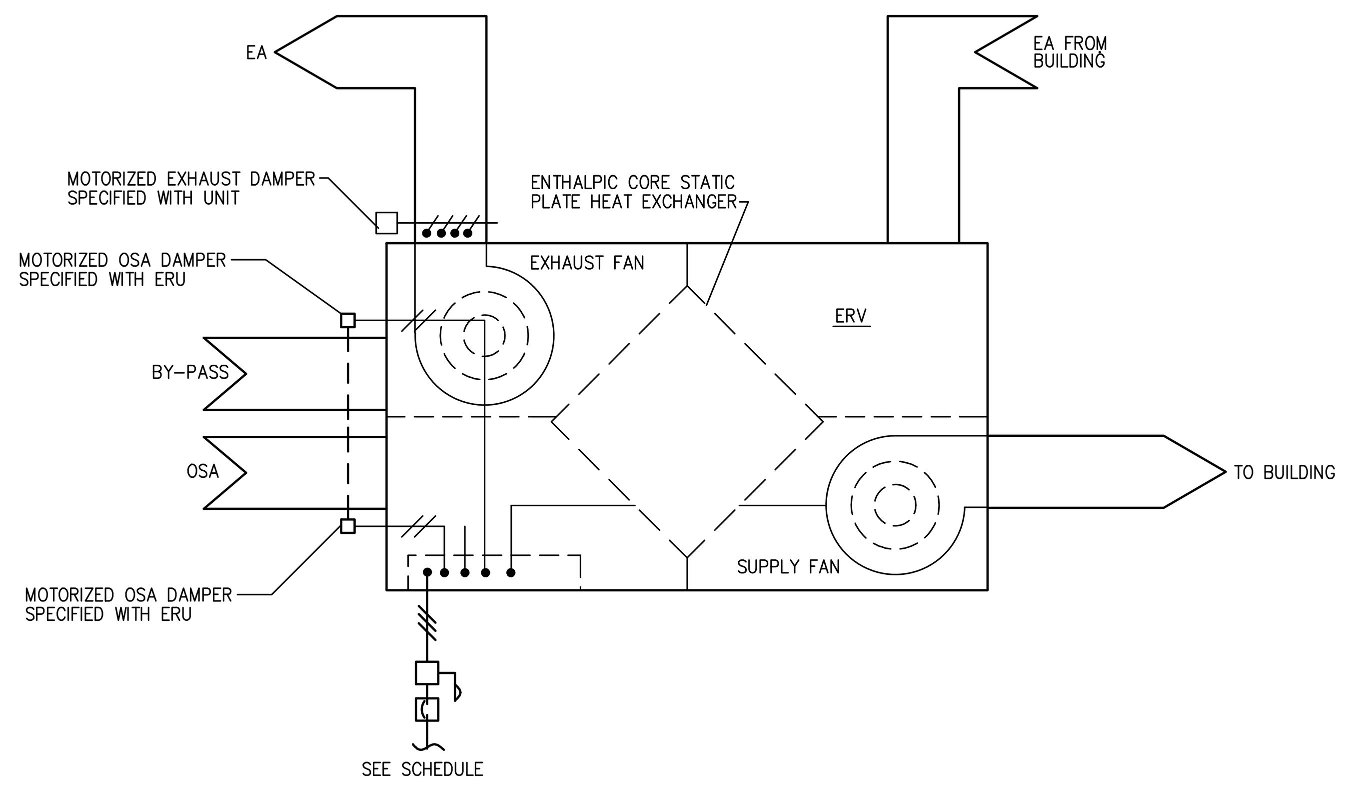
REFRIGERANT PIPE HANGER — DETAIL NO: 3



CEILING EXHAUST FAN W/ SIDEWALL DISCHARGE — DETAIL NO: 2

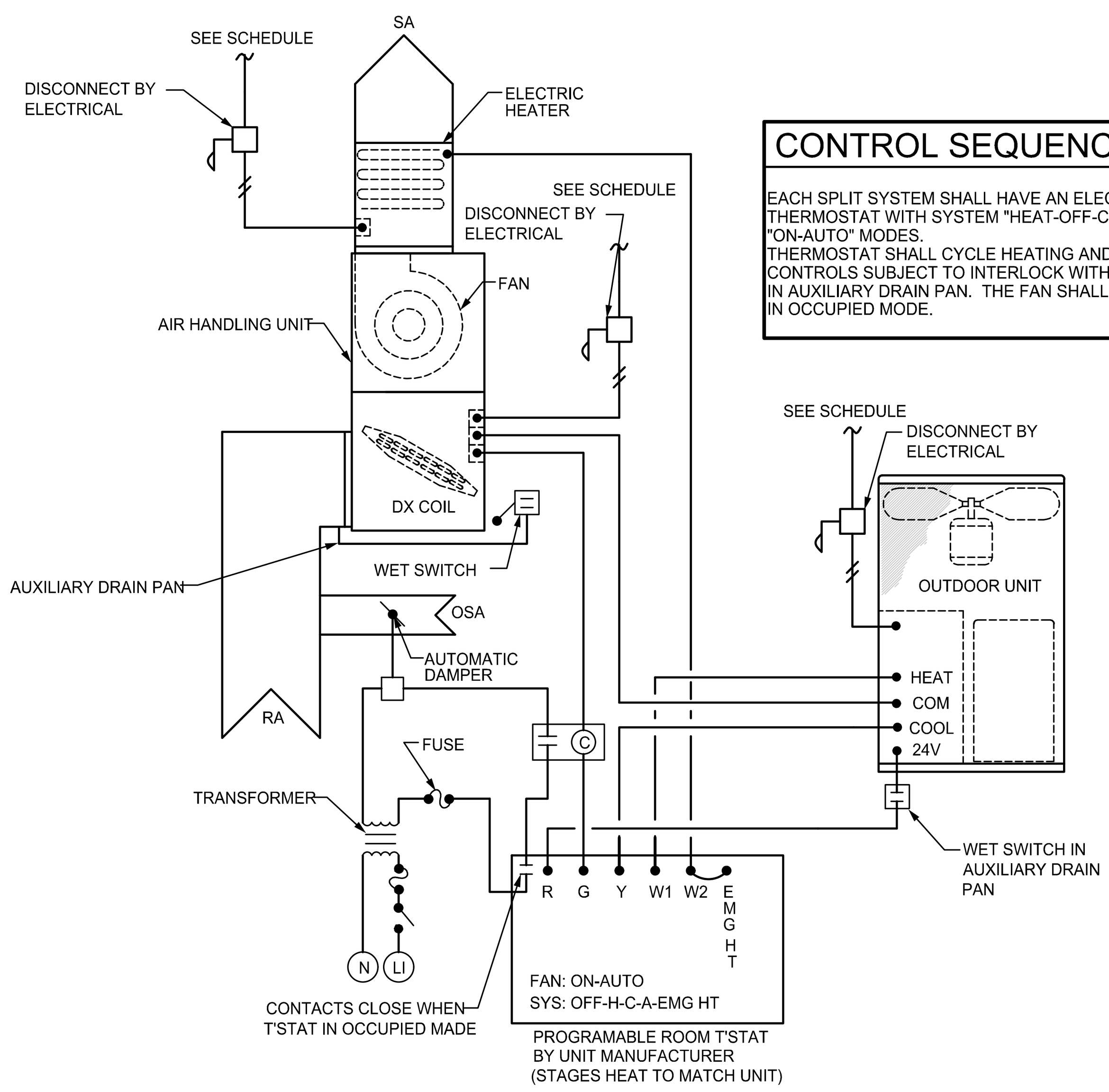


RECTANGULAR FLEXIBLE CONNECTION — DETAIL NO: 1



HXG-11 CONTROLS

NO SCALE



CONTROL SEQUENCE

EACH SPLIT SYSTEM SHALL HAVE AN ELECTRONIC PROGRAMMABLE THERMOSTAT WITH SYSTEM "HEAT-OFF-COOL-AUTO" AND FAN "ON-AUTO" MODES.
THERMOSTAT SHALL CYCLE HEATING AND COOLING. AC UNIT CONTROLS SUBJECT TO INTERLOCK WITH FLOAT SWITCH MOUNTED IN AUXILIARY DRAIN PAN. THE FAN SHALL RUN IN CONTINUOUSLY IN OCCUPIED MODE.

SPLIT SYSTEM UNIT CONTROLS

NO SCALE

HVAC CONTROLS

Symbol	Description
VFD	VARIABLE FREQUENCY DRIVE
	SMOKE DECTECTOR - FURNISHED AND WIRED UNDER ELECTRICAL DIVISION, INSTALLED UNDER THIS DIVISION.
TS	TEMPERATURE SENSOR
DPS	DIFFERENTIAL PRESSURE SENSOR
SPS	STATIC PRESSURE SENSOR
M	FAN/PUMP MOTOR
FZ	FREEZESTAT
CT	CURRENT TRANSDUCER
HOA	HAND-OFF-AUTO MAGNETIC STARTER
T	ROOM TEMPERATURE SENSOR
HS	DUCT MOUNTED RA HUMIDITY SENSOR
R	REFRIGERANT SENSOR
C	CARBON DIOXIDE SENSOR (VERIS INDUSTRIES - C SERIES)
TX	TRANSFORMER
FS	FLOW SWITCH - FURNISHED BY EQUIPMENT MANUFACTURER, INSTALLED BY MECH.
	INTERLOCK WITH FIRE ALARM SYSTEM
	DIRECTION OF FLOW
TS	PIPE MOUNTED TEMPERATURE SENSOR
OR	2-WAY AUTOMATIC VALVE
OR	3-WAY AUTOMATIC VALVE

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DESIGN BY: LJB   DRAWN BY: LJB   CHECKED BY: LJB   BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 22612 PROFESSIONAL ENGINEER LAWRENCE J. BURRESS
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3/29/24

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REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
TYPICAL

SHEET TITLE
HVAC CONTROLS

DRAWING NUMBER
M0.10

PROJECT NUMBER
202123

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DESIGN BY: LJB ✦ DRAWN BY: LJB ✦ CHECKED BY: LJB ✦ BBGS NO: 21.09.192

PLUMBING LEGEND

	SOIL OR WASTE LINE
	VENT LINE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RETURN LINE
	BALL VALVE
	UNION
	PIPE TURNING UP
	PIPE TURNING DOWN
	P TRAP
#	RISER DIAGRAM NUMBER
#	DRAWING REVISION
WH	WALL HYDRANT
INV	INVERT
HD	HUB DRAIN
FD/FS	FLOOR DRAIN/FLOOR SINK
MFD	MECHANICAL FLOOR DRAIN
	CONNECT TO EXISTING
AFF	ABOVE FINISH FLOOR
CO	CLEAN OUT
WS	WASTE STACK
I.W.	INDIRECT WASTE
VS	VENT STACK
VTR	VENT THRU ROOF
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
UR	URINAL
WC	WATER CLOSET
LAV	LAVATORY
MB/MS	MOP BASIN / MOP SINK
RPZBF	REDUCED PRESSURE ZONE B.F. PREVENTER
EWC	ELECTRIC WATER COOLER
CFH	CUBIC FEET PER HOUR
EX., EXIS.	EXISTING
ETR	EXISTING TO REMAIN
TP	TRAP PRIMER

PIPE LABELS

SYSTEM	BACKGROUND COLOR	TEXT COLOR
COLD WATER	GREEN	WHITE
HOT WATER	GREEN	WHITE
HOT WATER RETURN	GREEN	WHITE
SANITARY & WASTE	WHITE	BLACK
VENT	WHITE	BLACK
NATURAL GAS (LOW PRESSURE)	YELLOW	BLACK

NOTES:
1. PIPE LABELS FOR DOMESTIC SYSTEMS SHALL CONFORM TO ASME A13.1.
2. PIPE LABELS FOR MEDICAL SYSTEMS SHALL CONFORM TO NFPA 99.
3. ALL PIPE LABELS SHALL HAVE ARROWS INDICATING DIRECTION OF FLOW.

GENERAL NOTES

1. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH LOCAL UTILITY PRIOR TO BIDDING.
2. CONTRACTOR SHALL VERIFY LOCATION, SIZE AND ELEVATION OF ALL EXISTING PIPING PRIOR TO INSTALLING ANY NEW PIPE.
3. ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.).
4. WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
5. ALL HORIZONTAL WATER, AND VENT PIPING IS RUN ABOVE CEILING AS SHOWN UNLESS OTHERWISE NOTED.
6. ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR AS SHOWN UNLESS OTHERWISE NOTED.
7. ALL HORIZONTAL WATER PIPING ABOVE CEILING SHALL BE INSTALLED AS LOW AS POSSIBLE WITH BATT INSULATION INSTALLED OVER INSULATED PIPE.
8. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
9. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH, STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
10. ALL WALL HYDRANTS AND FREEZE PROOF BOX SHALL BE MOUNTED 24" ABOVE FINISH GRADE OR FINISH FLOOR UNLESS OTHERWISE NOTED.
11. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
12. 18" HIGH AIR CHAMBERS SHALL BE PROVIDED ON HOT AND COLD WATER CONNECTION AT EACH FIXTURE OR EQUIPMENT.
13. ALL WORK SHALL COMPLY WITH ALL APPLICABLE NFPA, STATE, COUNTY, AND LOCAL LAWS AND ORDINANCES.
14. WHERE FIXTURES OR EQUIPMENT ARE NOTED 'TO BE REMOVED', CONTRACTOR SHALL REMOVE ALL PIPING AND CAP OR PLUG SAME BELOW FLOOR, ABOVE CEILING OR IN PARTITIONS AS REQUIRED BY LOCAL CODES.
15. THESE DRAWINGS WERE DERIVED IN-PART FROM LIMITED FIELD OBSERVATIONS AND MAY NOT BE ALL INCLUSIVE OF THE CONDITIONS THAT EXIST. CONTRACTOR SHALL VERIFY LOCATION, ROUTING, SIZE AND ELEVATION OF ALL EXISTING PIPING PRIOR TO INSTALLING ANY NEW PIPE.
16. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.
17. ALL WATER PIPING BELOW SLAB SHALL BE ENCASED IN A POLYETHYLENE SLEEVE FOR ITS ENTIRE LENGTH. OATEY PIPE GUARD OR EQUAL.
18. EXISTING DOMESTIC WATER PIPING THAT IS DUCTILE IRON, GALVANIZED OR CPVC SHALL BE REPLACED WITH LIKE SIZED TYPE-L COPPER.
19. EXISTING VALVES INSTALLED IN PIPING NOTED TO BE REPLACED (*SEE GENERAL ABOVE*) SHALL NOT BE REUSED. A QUARTER TURN BALL VALVE SHALL BE PROVIDED AS A REPLACEMENT.
20. ALL EXISTING ISOLATION VALVES SERVING FIXTURES, GROUPS OF FIXTURES, GANGS OR AREAS OF THE FACILITY SHALL BE TESTED FOR OPERABILITY. VALVES FOUND TO BE FAULTY SHALL BE REPLACED WITH LIKE SIZED QUARTER TURN BALL VALVES.
21. ALL CEILING SPACES ARE TO BE CONSIDERED 'RETURN AIR PLENUM'. ANY AND ALL PIPING ROUTED IN A RETURN AIR PLENUM SHALL MEET ASTM E84. THIS INCLUDES EXISTING PIPING INSTALLATIONS.
22. EXISTING NON-PRESSURE PIPING (SANITARY, WASTE, VENT, STORM ETC) THAT IS PVC AND IS LOCATED IN A RETURN AIR PLENUM, SHALL BE REPLACED WITH LIKE-SIZED NO-HUB CAST IRON.
23. PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS OF THE WORK. OBTAIN DIMENSIONS AND PERTINENT INFORMATION FROM ARCHITECTURAL DRAWINGS.
24. ALL FLOOR DRAINS TO BE INSTALLED WITH RIM/GRATE FLUSH WITH FINISH FLOOR.
25. SEAL ALL FIXTURES IN CONTACT WITH WALLS, FLOORS AND/OR COUNTERS WITH A SANITARY TYPE, MILDEW RESISTANT, ONE-PART SILICONE CAULK.
26. ALL DRAIN, WASTE AND VENT (DWV) PIPING THAT IS 2-1/2" AND SMALLER SHALL BE SLOPED AT 1/4-INCH PER FOOT (2%).
27. ALL DRAIN, WASTE AND VENT (DWV) PIPING THAT IS 3" AND LARGER SHALL BE SLOPED AT 1/8-INCH PER FOOT (1%), UNLESS OTHERWISE NOTED.
28. ALL WALL CLEANOUTS SHALL BE LOCATED SO THE BOTTOM EDGE OF THE ROUND CLEANOUT COVER IS MINIMUM 9-INCHES ABOVE FINISHED FLOOR. THE CLEANOUT COVER, WHEN INSTALLED, SHALL NOT CONFLICT WITH ARCHITECTURAL FEATURES OR OTHER EQUIPMENT, SUCH AS POWER OUTLETS AND STOP VALVES.
29. ALL PIPING STUB-UP'S SHALL BE CAPPED, PLUGGED OR OTHERWISE PROTECTED TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE INSTALLED PIPING. PIPING STUB-UP'S SHALL BE PROTECTED FOR THE DURATION OF CONSTRUCTION. ANY FOREIGN MATERIAL THAT ENTERS THE PIPING (CONSTRUCTION DEBRIS, DIRT, GRAVEL, CONCRETE, ETC) SHALL BE REMOVED AND CLEANED. FOR ANY SECTIONS OF PIPING THAT CONTRAINS DEBRIS THAT CANNOT BE CLEARED, THE SECTION OF PIPING SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER.
30. PRIOR TO SUBSTANTIAL COMPLETION, ALL SANITARY LINES 3-INCHES AND LARGER SHALL BE HYDRO-FLUSHED AND VIDEO INSPECTED TO 100 FEET BEYOND THE FOUNDATION WALL OR TO THE NEAREST MANHOLE, WHICH EVER IS CLOSER.
31. THE USE OF FOAM CORE/CELLUAR CORE PVC IS NOT ALLOWED.

PLUMBING SPECIFICATION

GENERAL

1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR PROPER COMPLETION OF ALL PLUMBING, PIPING AND DRAINAGE WORK.
2. WORK SHALL COMPLY WITH ALL APPLICABLE NFPA, STATE, COUNTY AND LOCAL LAWS AND ORDINANCES. IN THE ABSENCE OF LOCAL REGULATIONS, WORK SHALL MEET 2018 INTERNATIONAL BUILDING, PLUMBING AND FUEL GAS CODES ALONG WITH THESE DOCUMENTS.
3. ALL PRODUCT DATA SUBMITTALS SHALL BE BOUND TOGETHER AND SUBMITTED IN A SINGLE DIGITAL FILE COMPATIBLE WITH ADOBE ACROBAT (*.PDF) FOR REVIEW.
4. CONTRACTOR SHALL KEEP ACCURATE RECORDS OF INSTALLATIONS. AT THE END OF INSTALLATION, CONTRACTOR SHALL SUBMIT A SET OF FLOOR PLANS IN A FORMAT COMPATIBLE WITH ADOBE ACROBAT (*.PDF) WHICH HAVE BEEN MARKED WITH AS-BUILT CONDITIONS.

MATERIALS

PIPING

1. ALL PIPE SHALL BE NEW AND CONFORM TO THE LATEST ASTM STANDARD AND SPECIFICATIONS.
2. DRAIN, WASTE AND VENT
   THE FOLLOWING IS A QUICK SUMMARY, REFER TO SECTION 22 1316 FOR MORE INFORMATION REGARDING SANITARY PIPING.
   A. ABOVE GRADE: CAST IRON ASTM A74, CISPI 301 WITH HUBLESS JOINTS AND HEAVY DUTY COUPLINGS.
   B. BELOW SLAB ON GRADE: SCHEDULE 40 DWV-PVC, ASTM D2665, AND ASTM F1488 WITH SOLVENT WELD JOINTS.
3. WATER PIPING:
   A. ABOVE GRADE: COPPER TUBING, TYPE-L, HARD DRAWN WITH JOINTS OF PRESS JOINTS (VIEGA PRO PRES OR EQUAL)
   B. BELOW SLAB ON GRADE: TYPE-L SOFT COPPER WITH SIL-FOS JOINTS.
5. NATURAL GAS PIPING (LESS THAN 2 PSI)
   A. ABOVE GRADE - PIPE SIZES 2" AND SMALLER: BLACK STEEL ASTM A53 SCHEDULE 40 WITH THREADED JOINTS. PROVIDE TEFLON TAPE ON ALL THREADED JOINTS.
   B. ABOVE GRADE - PIPE SIZES 2-1/2" AND LARGER: BLACK STEEL, WELDED, USING BUTT WELD FITTINGS.
   C. PRESS JOINTS ARE NOT ALLOWED FOR NATURAL GAS PIPING.

INSULATION

1. GLASS FIBER PIPE INSULATION EQUAL TO OWENS-CORNING MODEL SSL-II.
2. INSULATE DOMESTIC COLD, HOT, HOT WATER RETURN, AND CONDENSATE OR ELEVATED (EXPOSED) DRAIN PIPING RECEIVING CONDENSATE, INTERIOR, ACCORDING TO TABLE C403.2.10 IN THE IECC.
   DOMESTIC COLD WATER
   A. PIPE SIZES 1-1/2" AND SMALLER: 1/2" THICK
   B. PIPE SIZES 2" AND LARGER: 1" THICK
   DOMESTIC HOT AND HOT WATER RETURN
   A. PIPE SIZES 1-1/2" AND SMALLER: 1" THICK
   B. PIPE SIZES 2" AND LARGER: 1-1/2" THICK
   CONDENSATE PIPING
   A. PIPE SIZES 8" AND SMALLER: 1" THICK.

GENERAL

1. PROVIDE SLEEVES AT ALL WALL AND FLOOR PENETRATIONS. SEAL AS REQUIRED TO PREVENT LEAKAGE, MAINTAIN FIRE RATINGS AND MAINTAIN BUILDING INTEGRITY.
2. PROVIDE HANGERS, SUPPORTS AND ACCESSORIES REQUIRED FOR INSTALLATION. SPACE HANGERS AND SUPPORTS AS REQUIRED BY CODES AND MANUFACTURERS RECOMMENDATIONS.

INSTALLATION

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LOCATIONS OF COMPONENTS. VERIFY DIMENSIONS BEFORE INSTALLATION.
2. PROVIDE CHROMIUM PLATED BRASS FLANGES WHEREVER PIPES PASS THROUGH EXPOSED FINISHED FLOORS, WALLS OR CEILINGS.
3. IDENTIFY ALL PIPE WITH STRAP-ON PIPE MARKERS. COLORS TO MATCH ASTM A13.1.
4. AFTER INSTALLATION IS COMPLETE, ALL DOMESTIC COLD, HOT AND HOT WATER RETURN PIPING SHALL BE THOROUGHLY FLUSHED AND DISINFECTED WITH HYPOCHLORITE SOLUTION.
5. PROVIDE PIPE JOINTS AS REQUIRED TO COMPLETE WORK. JOINTS SHALL BE AIR AND WATER TIGHT. ALL SOLDER JOINTS SHALL HAVE LEAD-FREE SOLDER.
6. PROVIDE CLEANOUTS AS SHOWN OR AS REQUIRED BY APPLICABLE CODES.
7. ALL BALL VALVES INSTALLED SHALL BE LEAD FREE, FULL PORT WITH STAINLESS STEEL BALL AND STEM.
8. UNIONS IN NATURAL GAS PIPING 2" AND SMALLER BLACK MALLEABLE IRON SCREWED UNIONS 2-1/2" AND LARGER FLANGED.
9. ARRANGE FOR TAPPING OF UTILITY MAIN, SERVICE FROM MAIN TO METER AND INSTALLATION AS REQUIRED BY LOCAL UTILITY. PAY ALL CHARGES, FEES TEMPORARY DEPOSITS, ETC. (CONTRACTOR IS RESPONSIBLE TO VERIFY PRESSURES, MAIN AND SERVICE EXTENSIONS WITH THE LOCAL UTILITY PRIOR TO INSTALLING ANY NEW PIPE).
10. CONNECT TO EXISTING GAS PIPING WHERE SHOWN.
11. ALL GAS PIPING IN THE LESS THAN 2 PSIG SYSTEM, LABELED AT THE BEGINNING, AT ALL GAS COCKS, AT ENDS AND AT 6' INTERVALS WITH LABELS READING "LESS THAN 2 PSIG".
12. APPLIANCE TYPE REGULATORS AS SHOWN ON DRAWING. REGULATORS SHALL HAVE VENT LIMITING DEVICE AS REQUIRED BY LOCAL CODE AND LOCAL UTILITY, OR SHALL BE VENTED TO THE EXTERIOR AS APPROVED BY THE ARCHITECT.
13. NATURAL GAS VALVES: PLUG COCKS - 2' AND LARGER, RESUN R-1431, AGA SEAL OF APPROVAL, 175 PSI; 2" AND SMALLER, MILWAUKEE BB2-100, NIBCO FP-600, CONBRACO GP-10/11 GB-50 SERIES, KITZ 58 OR RESUN R-1430 WITH CSA SEAL OF APPROVAL, 175 PSI.
14. LAYOUT AND GRADE ALL GAS PIPING SO AS TO HAVE A MINIMUM OF TRAPPED LINES. WHERE TRAPPING OF PIPE IS UNAVOIDABLE, PROVIDE 4" TO 6" SCALE POCKET AT LOW POINT WITH REMOVABLE CAP FITTING ACCESSIBLE FOR CLEANING OUT POCKET. INSTALL 175 PSIG WP BRONZE COCK AND UNION AT ALL CONNECTIONS TO GAS FIRED EQUIPMENT.
15. INSTALL NO GAS PIPING BENEATH INTERIOR SLABS ON GRADE. WHERE GAS PIPING MUST BE INSTALLED BELOW SLAB ON GRADE, PIPE MUST BE ENCASED IN STEEL PIPE SEALED AND VENTED TO THE EXTERIOR.

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	WASTE	VENT	CW	HW	REMARKS
P-1	WATER CLOSET ADA	3"	2"	1"	-	FLOOR MOUNTED - KOHLER K-96057 COMPLETE, SLOAN ROYAL 111-1.6 MANUAL FLUSH VALVE WITH YJ BRACKET, AND CHURCH 'DURA GUARD' #2155SC OPEN FRONT SEAT. RIM OF WATER CLOSET AT 16-5/8" ABOVE FINISHED FLOOR. FLUSH VALVE HANDLE TO BE LOCATED ON THE OPEN (WIDE) SIDE OF THE STALL. MUST MEET ADA.
P-2	WATER CLOSET	3"	2"	1"	-	FLOOR MOUNTED - KOHLER K-96053 COMPLETE, SLOAN ROYAL 111-1.6 MANUAL FLUSH VALVE WITH YJ BRACKET, AND CHURCH 'DURA GUARD' #2155SC OPEN FRONT SEAT. RIM OF WATER CLOSET AT 15-3/16" ABOVE FINISHED FLOOR.
P-3	URINAL ADA	2"	2"	3/4"	-	WALL HUNG - KOHLER K-5016-ET COMPLETE, SLOAN OPTIMA G2 8186- 0.5 GPF BATTERY POWERED SENSOR FLUSH VALVE WITH YJ BRACKET, J.R. SMITH #637 FIXTURE SUPPORT WITH LIP 17" ABOVE FINISHED FLOOR. MUST MEET ADA.
P-4	URINAL	2"	2"	3/4"	-	WALL HUNG - KOHLER K-5016-ET COMPLETE, SLOAN OPTIMA G2 8186- 0.5 GPF BATTERY POWERED SENSOR FLUSH VALVE WITH YJ BRACKET, J.R. SMITH #637 FIXTURE SUPPORT WITH LIP 24" ABOVE FINISHED FLOOR.
P-5	LAVATORY ADA	2"	2"	1/2"	1/2"	KOHLER K-2209-0 UNDERMOUNT, SYMMONS S-20-0-1.5 FAUCET, K-7715 OUTLET WITH OFFSET TAILPIECE, EBC #LA10 STOPS WITH SUPPLIES AND EBC #TA125 P-TRAP.PROVIDE PLUMBEREX #427 TRAP/SUPPLY COVERS. PROVIDE WATTS LFUSG-B-M2-SC THERMOSTATIC MIXING VALVE (ASSE 1070) WITH OUTLET TEMPERATURE SET AT 109°F. MUST MEET ADA.
P-6	SHOWER	2"	2"	1/2"	1/2"	PROVIDE BRADLEY HN200 SHOWER SYSTEM WITH HAND HELD SPRAYER. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
P-7	SHOWER ADA	2"	2"	1/2"	1/2"	PROVIDE BRADLEY HN200 SHOWER SYSTEM WITH HAND HELD SPRAYER. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
P-8	ICE MACHINE	3"FS	-	1/2"	-	FURNISHED BY OTHERS. PROVIDE BALL VALVE STOP AND WATER FILTER ON COLD WATER SUPPLY AND EXTEND DRAIN TO FLOOR SINK. ROUGH AND CONNECT COMPLETE.
P-9	TWO COMPARTMENT SINK	2"	2"	1/2"	1/2"	ELKAY #ELUHAD 311855 UNDER-MOUNT, LK-35 STRAINER, KOHLER K-596 FAUCET, EBC TA150 P-TRAP AND EBC LA10 STOPS WITH SUPPLIES.PROVIDE KEENY 47SN TAIL PIECE WITH DISH WASHER CONNECTION JONES STEPHENS P38164
P-10	ELECTRIC WATER COOLER W/ BOTTLE FILLER	2"	2"	1/2"	-	ELKAY #LZS8WSLK ELECTRIC WATER COOLER WITH SENSOR ACTIVATED BOTTLE FILLING STATION WITH ALL STAINLESS STEEL CABINET AND WATER WAYS MANUFACTURED OF MATERIALS THAT ARE 100% LEAD FREE, MCGUIRE 8912C P-TRAP WITH CLEANOUT PLUG, MCGUIRE LFH2165 STOP AND SUPPPLY AND J.R. SMITH #840 FIXTURE SUPPORT. FULLY INSULATE P-TRAP WITH MCGUIRE PRO-WRAP INSULATOR KIT. INSTALL WITH SPOUT OUTLET AT 36" ABOVE FINISHED FLOOR. MUST MEET ADA.
P-11	JANITORS RECEPTOR	3"	2"	3/4"	3/4"	STERN WILLIAMS SBC-1700 (24"X24"X12") COMPLETE, METAL RIM GUARD, STAINLESS STEEL BACKSPLASH, T-35 HOSE AND WALL HOOK, A-40 MOP HANGER, TC-3 DRAIN GASKET, AND CHICAGO FAUCETS #897CCP SERVICE FAUCET WITH INTEGRAL STOPS AND SPRING CHECK.
P-12	WALL SUPPLY BOX	-	-	1/2"	-	GUY GREY #MIB1HAAB WHITE POWDER COATED WALL SUPPLY BOX WITH LEAD FREE QUARTER TURN BALL VALVE AND WATER HAMMER ARRESTOR. PROVIDE 10'-0" OF SOFT TEMPER COPPER FOR CONNECTION TO EQUIPMENT.
P-13	WASHING MACHINE BOX	2"	2"	1/2"	1/2"	GUY GREY #WB200HA GALVANIZED WALL SUPPLY BOX WITH 2" RIGHT HAND DRAIN. SINGLE LEVER, BRASS WATER SUPPLY VALVES WITH INTEGRAL WATER HAMMER ARRESTORS. PROVIDE CHARLOTTE PIPE #NH42 NO-HUB CAST IRON, 2" P-TRAP
P-14	WATER CLOSET ADA	3"	2"	1/2"	-	FLOOR MOUNTED - KOHLER K-31620 COMPLETE, 1.6 GPF GRAVITY TANK, WITH WAX RING AND FLOOR FLANGE, CHURCH "DURA GUARD" MODEL #2155SC SEAT AND MCGUIRE LFH2165 STOP AND SUPPLY.
P-15	LAVATORY ADA	2"	2"	1/2"	1/2"	WALL HUNG - KOHLER K-2030 (20X18) COMPLETE, S-20-0-1.5 FAUCET K-7715 OUTLET WITH OFFSET TAILPIECE, EBC #LA10 STOPS WITH SUPPLIES AND EBC #TA125 P-TRAP. PROVIDE PLUMBEREX #427 TRAP/SUPPLY COVERS. PROVIDE JR SMITH #700-M31 FIXTURE SUPPORT, PROVIDE WATTS LFUSG-B-M2-SC THERMOSTATIC MIXING VALVE (ASSE 1070) WITH OUTLET TEMPERATURE SET AT 109°F. MUST MEET ADA.
P-16	DISHWASHER	3/4"	-	-	1/2"	DISHWASHER FURNISHED BY GC. ROUGH AND CONNECT COMPLETE. PROVIDE BALL VALVE STOP ON HOT WATER SUPPLY AND HAMMER ARRESTOR IN SUPPLY PIPING. PIPE WASTE TO ADJACENT SINK TAIL PIECE. SEE DETAIL.
P-17	LAB SINK	2"	2"	1/2"	1/2"	WATTS ORION ARLS-16 UNDERMOUNT CORROSION RESISTANT BOWL. PROVIDE GEORG FISCHER FUSEAL 25-50 ACID WASTE STRAINER, TAILPIECE WITH T&S BRASS B-2865-04 FAUCET , MCGUIRE LFH2165 STOP AND SUPPLY AND WATTS LFUSG-B-MS-SC THERMOSTATIC MIXING VALVE (ASSE 1070) WITH OUTLET TEMPERATURE SET AT 85°F.
P-18	CUP SINK	2"	2"	1/2"	1/2"	WATTS ORION CS1 POLYPROPYLENE CUP SINK WITH T&S BRASS BL-5705-08-VR SINGLE HOLE, SINGLE TEMP FAUCET WITH LEVER HANDLE. PROVIDE GEORG FISCHER FUSEAL 25-50 ACID WASTE STRAINER, TAILPIECE. MCGUIRE LFH2165 STOP AND SUPPLY.
P-19	EMERGENCY SHOWER W/EYE WASH	TO FS	2"	1"	1"	GUARDIAN G1950P SAFETY STATION W/ EYE / FACE WASH WITH PLASTIC BOWL.

PLUMBING FIXTURE CONNECTION SCHEDULE NOTES:
1. SIZES NOTED ABOVE ARE FOR FIXTURE ROUGH-IN.
2. ALL FIXTURES IDENTIFIED IN THIS SCHEDULE ARE TO BE SUBMITTED UNDER SECTION 224200.
3. ALL LAVATORIES SHALL BE PROVIDED WITH THERMOSTATIC MIXING VALVE, CONFORMING TO ASSE 1070, WATTS LFUSG-B-MS-SC. SET OUTLET TO 109 DEG F.
4. PROVIDE QUARTER TURN BALL VALVE ABOVE CEILING IN BRANCH PIPING TO FIXTURE OR GROUP OF FIXTURES.
5. STOP VALVES WITH PLASTIC COMPONENTS ARE NOT ACCEPTABLE.

PLUMBING FIXTURE - BASIS OF DESING - APPROVED EQUALS
- WATER CLOSET, URINAL, LAVATORY - KOHLER, ZURN, AMERICAN STANDARD, TOTO
- ELECTRIC WATER COOLER - ELKAY, OASIS, HALSEY TAYLOR
- STAINLESS STEEL SINKS - EKLAY, AMERICAN STANDARD, ZURN, JUST
- JANITORS RECEPTOR - STERN WILLIAMS, FIAT, MUSTEE
- FLUSH VALVE - SLOAN, ZURN, AMERICAN STANDARD, TOTO
- LAVATORY FAUCET - SYMMONS, SLOAN, ZURN, DELTA, MOEN
- THERMOSTATIC MIXING VALVE, ASSE 1070 - WATTS, SYMMONS, POWERS, ZURN
- SINK FAUCET - KHOLER, SYMMONS, TS BRASS, DELTA, MOEN
- SERVICE FAUCET - CHICAGO, DEARBORN BRASS
- SHOWER VALVE - BRADLEY, CHICAGO, DELTA, SPEAKMAN, MOEN
- WALL SUPPLY BOX - GUY GREY, SIOUX CHIEF

PLUMBING SPECIALTIES SCHEDULE

MARK	EQUIPMENT	DRAIN / WASTE	VENT	CW	HW	REMARKS
FD	FLOOR DRAIN	SEE PLANS	SEE PLANS	-	-	J.R. SMITH #2005 WITH 6" ROUND NICKEL BRONZE REINFORCED GRATE. PROVIDE TRAP GUARD AND DEEP SEAL P-TRAP. FOR FLOOR DRAINS COLLECTING CONDENSATE ONLY, PROVIDE OPTION #3580 FUNNEL FOR SINGLE CONDENSATE LINE OR FOR MULTIPLE CONDENSATE LINES, PROVIDE F37 OR F38 RAISED RIM.
FD-2	ACID WASTE FLOOR DRAIN	SEE PLANS	SEE PLANS	-	-	WATTS ORION BLUELINE FRPP WITH FIBER FIBER-FILLED PP GRATE, PLUG AND COVER.
MFD	MECHANICAL FLOOR DRAIN	SEE PLANS	SEE PLANS	-	-	J.R. SMITH #2230 WITH SEDIMENT BUCKET AND TRAP PRIMER CONNECTION. PROVIDE DEEP SEAL TRAP, TRAP GUARD AND COORDINATE EXACT LOCATION WITH HVAC EQUIPMENT. INSULATE SUSPENDED DRAIN BODY AND ALL HORIZONTAL PIPING SERVING MECHANCIAL ROOM DRAIN UNTIL PIPING TURNS VERTICAL.
SD	SHOWER DRAIN	2"	2"	-	-	JONES STEPHENS #D40-140 NO-CAULK SHOWER DRAIN, PVC BODY AND 4-1/4" ROUND STAINLESS STEEL STRAINER.
TG	TRAP GUARD	SEE PLANS	-	-	-	J.R. SMITH #2692 QUAD CLOSE, MECHANICAL TRAP SEAL DEVICE. SIZED TO ACCOMMODATE FLOOR DRAIN. MUST MEET ASSE 1072.
FS	FLOOR SINK	SEE PLANS	SEE PLANS	-	-	JONES STEPHENS #S59 12"x12"x8" DEEP PVC FLOOR SINK WITH DOME STRAINER AND PARTIAL GRATE. 3/4 GRATE FOR SINGLE DRAIN LINE, 1/2 GRATE FOR MULTIPLE DRAIN LINES.
FS-2	ACID WASTE FLOOR SINK	SEE PLANS	SEE PLANS	-	-	WATTS ORION 12" X 12" X 7-1/2" PP FLOOR SINK WITH POLYPROPYLENE 1/2" THICK GRATE AND NO HUB OUTLET.
FCO	FLOOR CLEANOUT	SEE PLANS	SEE PLANS	-	-	J.R. SMITH #4020 ROUND, CAST IRON BODY, ADJUSTABLE TOP, NICKEL BRONZE COVER, AND CLOSURE PLUG.
WH	WALL HYDRANT	-	-	3/4"	-	J.R. SMITH #5519 FREEZE RESISTANT WALL HYDRANT. INTEGRAL VACUUM BREAKER, DUAL CHECK, LOOSE T-HANDLE KEY, LOCKABLE NICKEL BRONZE FACE. CONTRACTOR TO VERIFY WALL THICKNESS BEFORE ORDERING.
BFP RPZ	BACKFLOW PREVENTER REDUCED PRESSURE ZONE	SEE PLANS	-	SEE PLANS	-	WATTS LF009 OR LF909 REDUCED PRESSURE ZONE STYLE BACKFLOW PREVENTER. BRONZE CONSTRUCTION, LOW LEAD, QUATER TURN BALL VALVES ON INLET AND OUTLET, WYE STRAINER ON INLET. PROVIDE AIR GAP FITTING AND PIPE RELIEF TO NEAREST RECEPTOR OR BUILDING EXTERIOR. COORDIANTE TERMINATION WITH ARCHITECT. BACKFLOW PREVENTER CENTER LINE SHALL BE MINIMUM 3'-0" ABOVE FINISHED FLOOR WHERE FLOOR IS AT GRADE LEVEL. BACKFLOW PREVENTER SHALL NOT BE INSTALLED IN LOCATIONS WHERE IT WILL BECOME SUBMERGED. MUST MEET ASSE 1013.

PLUMBING FIXTURE CONNECTION SCHEDULE NOTES:
1. SIZES NOTED ABOVE ARE FOR EQUIPMENT ROUGH-IN.
2. ALL ITEMS ASSOCIATED WITH THE NON-PRESSURE SYSTEM IDENTIFIED IN THIS SCHEDULE ARE TO BE SUBMITTED UNDER SECTION 221319.
3. ALL ITEMS ASSOCIATED WITH PRESSURE SYSTEM IDENTIFIED IN THIS SCHEDULE ARE TO BE SUBMITTED UNDER SECTION 221119.
4. PROVIDE QUARTER TURN BALL VALVE ABOVE CEILING IN BRANCH PIPING TO EQUIPMENT OR GROUP OF FIXTURES.

PLUMBING SPECIALITY - APPROVED EQUALS
- FLOOR DRAIN - J.R. SMITH, JOSAM, MIFAB, WADE, ZURN
- MECHANICAL FLOOR DRAIN - J.R. SMITH, JOSAM, MIFAB, WADE, ZURN
- FLOOR CLEANOUT - J.R. SMITH, JOSAM, MIFAB, WADE, ZURN
- SHOWER DRAIN - JONES STEPHENS, OATEY, SIOUX CHIEF
- TRAP GUARD (ASSE 1072) - J.R. SMITH, RECTOR SEAL, OATEY
- BACKFLOW PREVENTER - WATTS, AMES, ZURN

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 19512 PROFESSIONAL ENGINEER LAWERENCE J. BOWNESS
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHEET TITLE
PLUMBING SCHEDULES, LEGENDS, AND NOTES

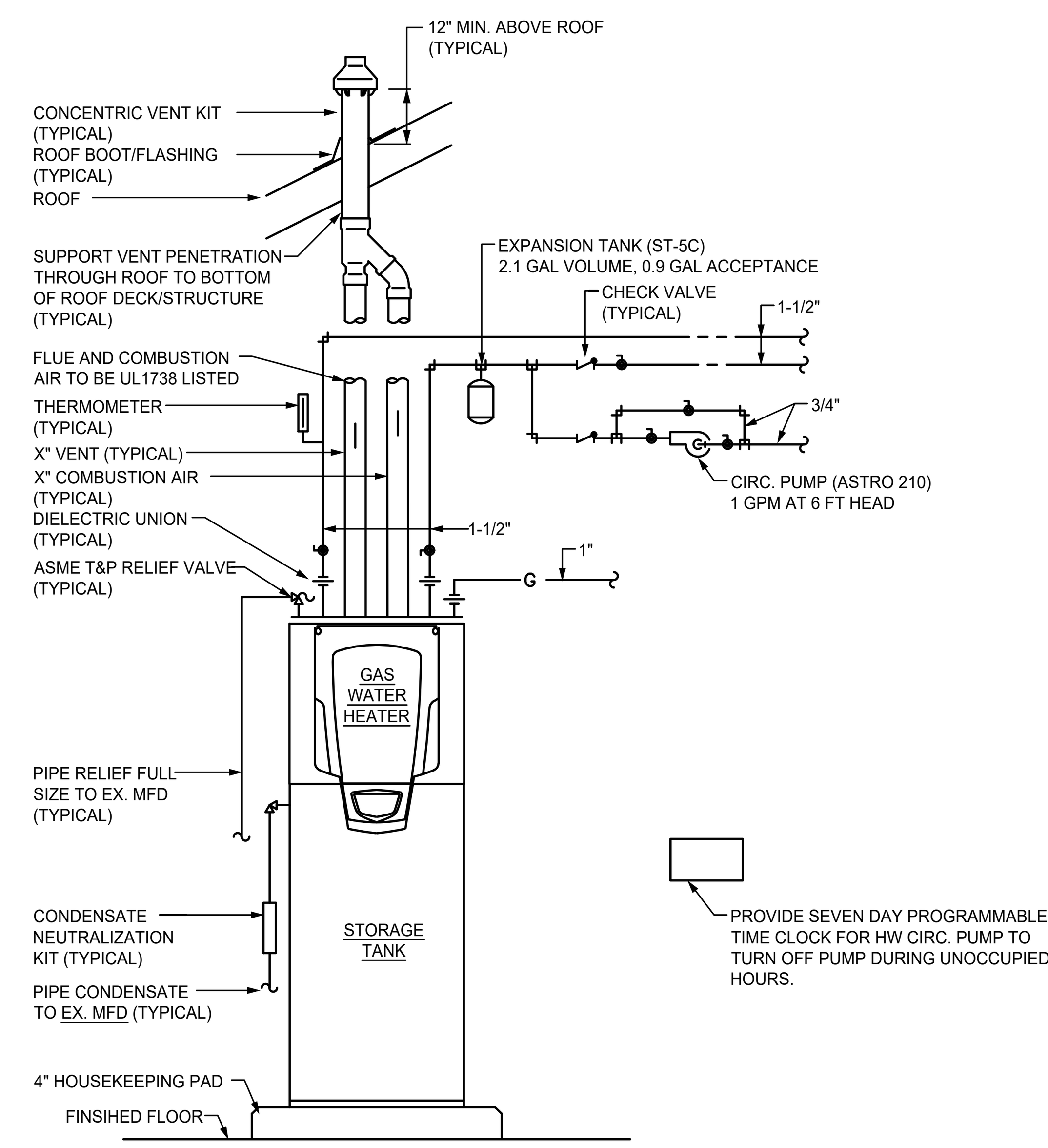
DRAWING NUMBER
P0.1

PROJECT NUMBER
202123

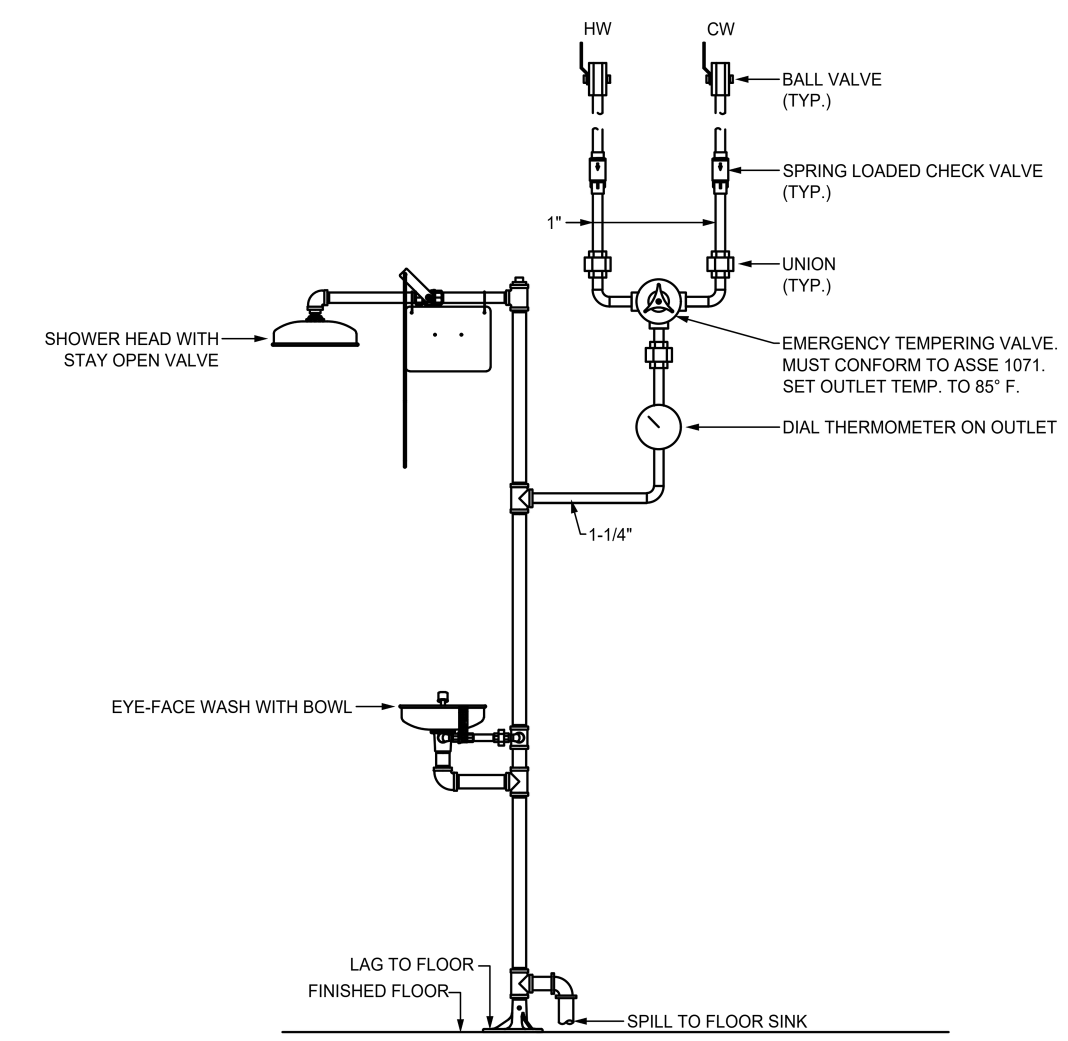
1 2 3 4 5 6 7 8

F E D C B A

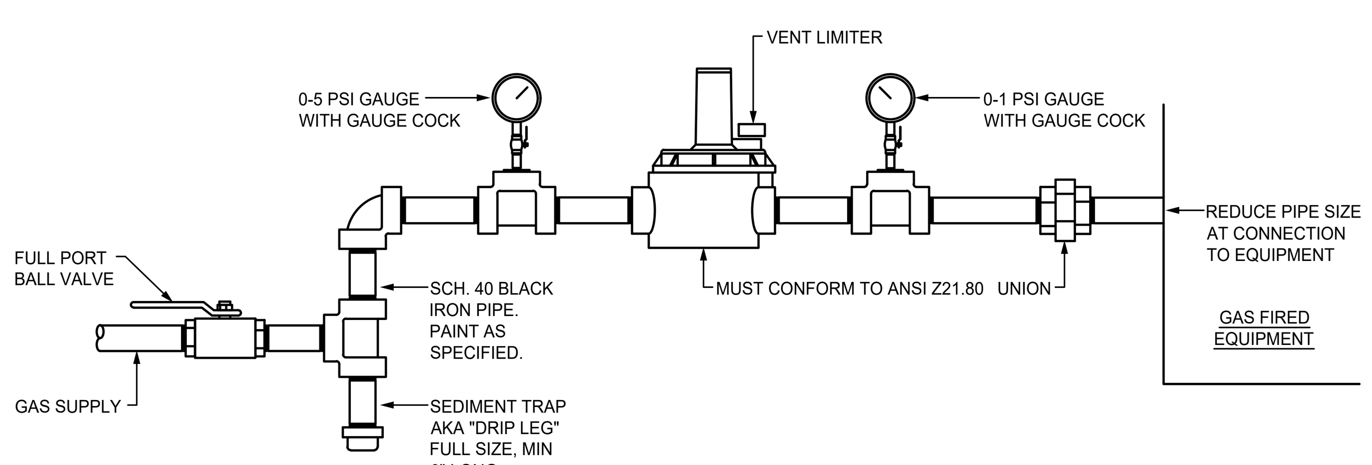
BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB DRAWN BY: LJB CHECKED BY: LJB BBGS NO: 21.09.192



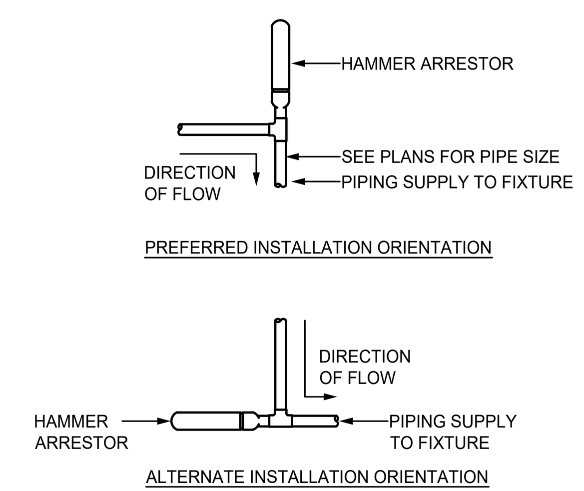
DETAIL OF PIPING AT GAS WATER HEATERS
NO SCALE



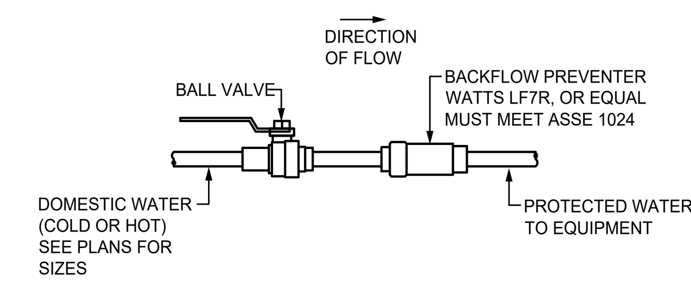
DETAIL OF EMERGENCY SHOWER & EYE WASH
NO SCALE



DETAIL OF STEP DOWN REGULATOR
NO SCALE REGULATOR ON ROOF

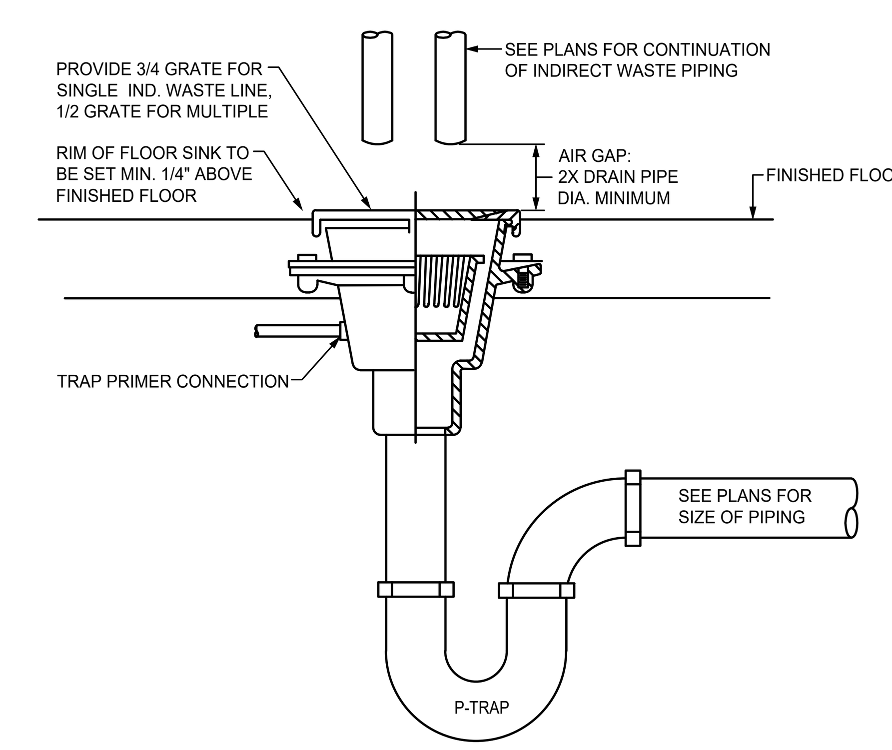


DETAIL OF HAMMER ARRESTOR
NO SCALE

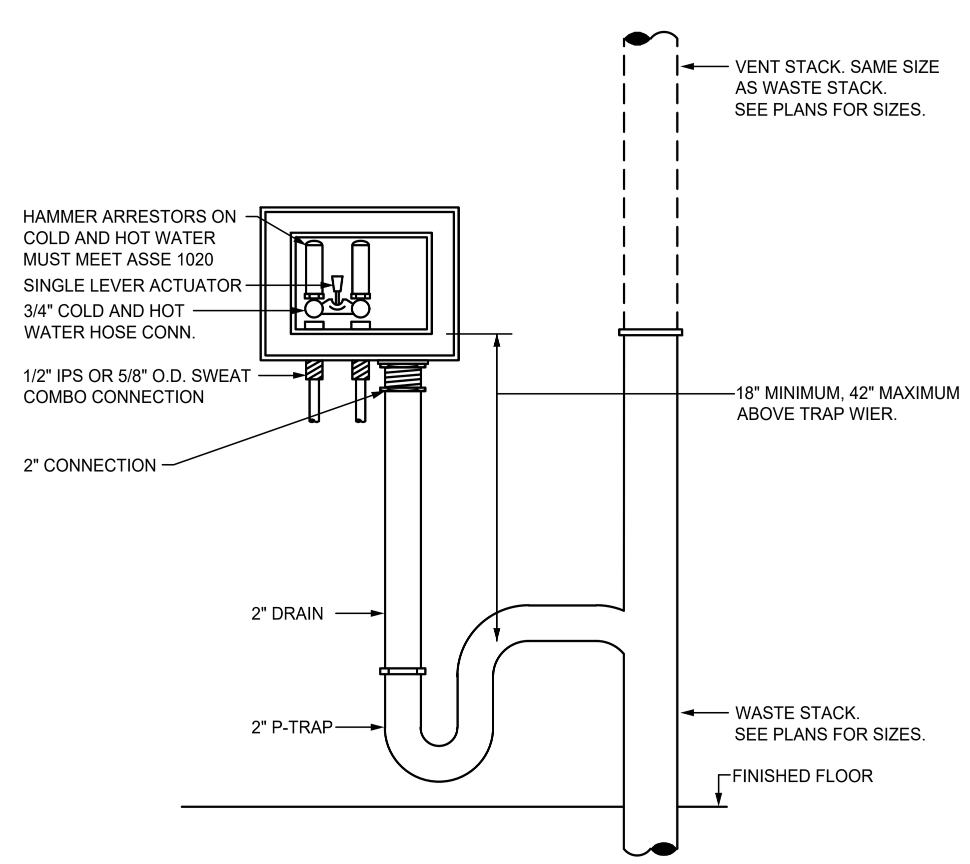


NOTE: THIS BACKFLOW PREVENTER IS REQUIRED ON ALL WATER SUPPLY CONNECTIONS TO BEVERAGE DISPENSERS THAT ARE NOT CARBONATED. E.G. JUICE MACHINES, TEA BREWER, COFFEE MAKER

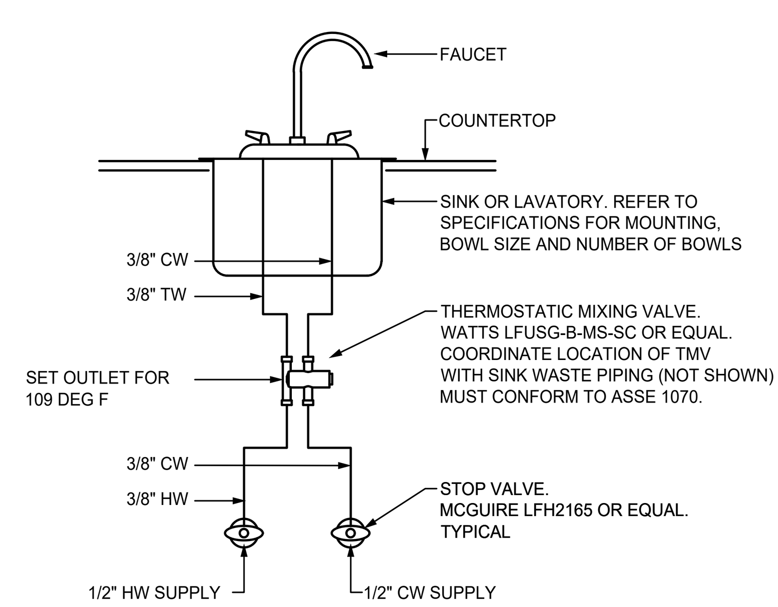
DETAIL OF LINE SIZE BACKFLOW PREVENTER
NO SCALE ASSE 1024



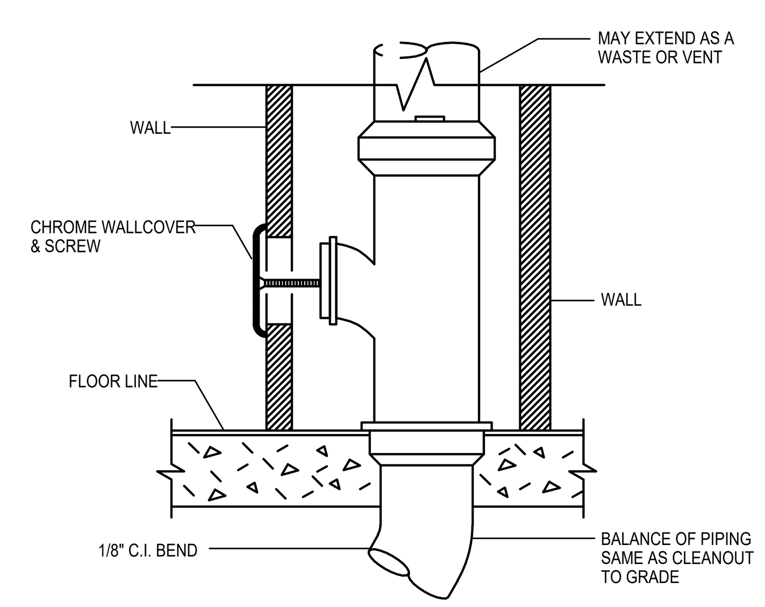
DETAIL OF PIPING AT FLOOR SINK
NO SCALE



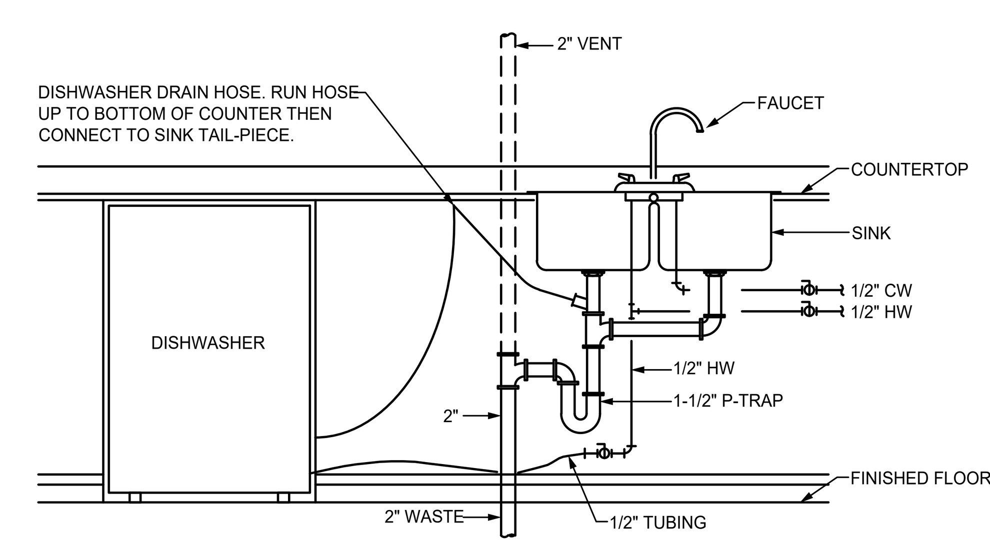
DETAIL OF WASHING MACHINE BOX
NO SCALE



DETAIL OF THERMOSTATIC PROTECTION AT LAVATORY
NO SCALE



WALL CLEANOUT DETAIL
NO SCALE



DETAIL OF PANTRY SINK AND DISHWASHER
NO SCALE

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 25612 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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JEFFERSON COUNTY ALABAMA

LOCATION

SHEET TITLE
PLUMBING DETAILS

DRAWING NUMBER
P0.2

PROJECT NUMBER
202123

1 2 3 4 5 6 7 8

POWER DISTRIBUTION

- RECEPTACLE PANEL – SURFACE MOUNTED.
- RECEPTACLE PANEL – FLUSH MOUNTED.
- LIGHTING PANEL – SURFACE MOUNTED.
- LIGHTING PANEL – FLUSH MOUNTED.
- DISTRIBUTION OR POWER PANEL – SURFACE MOUNTED.
- T — TRANSFORMER. FLOOR MOUNTED: PROVIDE CONCRETE PAD AND FLOOR VIBRATION ISOLATORS. CEILING MOUNTED: PROVIDE CEILING HUNG VIBRATION DAMPERS.
- FUSED DISCONNECT SWITCH.
- NON–FUSED DISCONNECT SWITCH.
- ENCLOSED CIRCUIT BREAKER.
- COMBINATION STARTER/DISCONNECT.
- S_M — MOTOR RATED SWITCH WITH THERMAL OVERLOAD UNITS. (2M=2 POLE)
- EMERGENCY POWER OFF (EPO) PUSHBUTTON.

RECEPTACLES

- DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE.
- DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER. 20A, 125V., 3 WIRE, GROUNDING TYPE
- DOUBLE DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE.
- DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
- DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
- WP — DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER AND WEATHERPROOF COVER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
- DUPLEX RECEPTACLE, WITH GROUND FAULT INTERRUPTER, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
- SINGLE RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE.

MISCELLANEOUS

- J — JUNCTION BOX, CEILING MOUNTED.
- J — JUNCTION BOX, WALL MOUNTED.
- J — JUNCTION BOX, WALL MOUNTED WITH FLEX CONNECTION TO EQUIPMENT.
- T — THERMOSTAT ROUGH–IN. COORDINATE LOCATION, MOUNTING HEIGHT, AND ORIENTATION WITH THE MECHANICAL CONTRACTOR. PROVIDE 3/4" CONDUIT STUBBED UP TO ABOVE NEAREST ACCESSIBLE CEILING, TERMINATED WITH SMOOTH BUSHING. PROVIDE PULLWIRE.
- RISER – UP
- RISER – DOWN

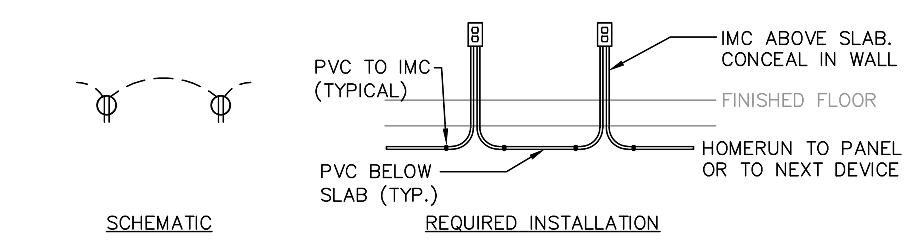
ABBREVIATIONS

3R	NEMA 3R ENCLOSURE	EX	EXISTING TO REMAIN
RT	RAINTIGHT ENCLOSURE	XR	EXISTING TO BE REMOVED
WP	WEATHERPROOF	XRR	EXISTING TO BE REMOVED AND RELOCATED
UON	UNLESS OTHERWISE NOTED	XRL	EXISTING RELOCATED
EM	EMERGENCY	XRP	EXISTING TO BE REMOVED AND REPLACED WITH NEW
NL	NIGHT LIGHT	XRT	EXISTING TO BE RETROFITTED
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE		
WG	WIRE GUARD		
NIC	NOT IN CONTRACT		
EP	EXPLOSION PROOF		
EPO	EMERGENCY POWER OFF		

WIRING

- BRANCH CIRCUIT – ROUTED ABOVE CEILING OR IN WALL.
- BRANCH CIRCUIT – ROUTED BELOW FLOOR OR GRADE.
- BRANCH CIRCUIT – ANY CIRCUIT WITHOUT FURTHER DESIGNATION IS (1) HOT, (1) NEUTRAL, (1) GROUND, IN RACEWAY.
- BRANCH CIRCUIT – SHORT HASH MARK INDICATES 'HOT' WIRE(S), LONG HASH INDICATES 'NEUTRAL' CONDUCTOR. GROUND WIRE IS NOT INDICATED BUT IS REQUIRED IN ALL CIRCUITS.
- BRANCH CIRCUIT – EXPOSED
- FEEDER – OVERHEAD
- FEEDER – UNDERGROUND

BRANCH CIRCUIT WIRING FOR LIGHTING AND POWER IS SHOWN SCHEMATICALLY. EACH ELECTRICAL DEVICE IS TO BE INSTALLED WITH AN INDIVIDUAL CONDUIT CONNECTION. FOR EXAMPLE:



SCHEMATIC — REQUIRED INSTALLATION

NOTE: MINIMUM CONDUIT SIZE SHALL BE 1/2"C.

FIRE ALARM

- FACP — FIRE ALARM CONTROL PANEL – EXISTING TO REMAIN
- F — ADDRESSABLE MANUAL PULL STATION – PROVIDE 4" SQUARE FLUSH MOUNTED BACKBOX WITH SINGLE GANG RAISED COVER.
- HORN/STROBE – PROVIDE 4" SQUARE FLUSH MOUNTED BACKBOX WITH SINGLE GANG RAISED COVER.
- STROBE ONLY – PROVIDE 4" SQUARE FLUSH MOUNTED BACKBOX WITH SINGLE GANG RAISED COVER.
- ADDRESSABLE SMOKE DETECTOR – PROVIDE CEILING MOUNTED 4" SQUARE FLUSH MOUNTED BACKBOX.
- SA RA — ADDRESSABLE DUCT DETECTOR (SA=SUPPLY AIR – RA=RETURN AIR) – PROVIDE SAMPLING TUBE (LENGTH AS REQUIRED) AND CONTROL MODULE (ZAM) FOR AIR HANDLER SHUTDOWN. FURNISHED BY THE ELECTRICAL CONTRACTOR, INSTALLED BY THE MECHANICAL CONTRACTOR, WITH FINAL CONNECTIONS BY THE FIRE ALARM TECHNICIAN.
- CO — ADDRESSABLE CARBON MONOXIDE DETECTOR – PROVIDE 4" SQUARE FLUSH MOUNTED BACKBOX. VERIFY EXACT LOCATION WITH THE MECHANICAL CONTRACTOR.
- ZM — MONITORING ZAM
- ZC — CONTROL ZAM

FIRE ALARM NOTES

1. FIRE ALARM CONTRACTOR TO INCLUDE IN BID PRICE ALL SYSTEM PROGRAMMING AS REQUIRED SO THAT FINAL ROOM NUMBERS (PER THE APPROVED OWNERS SIGNAGE SCHEME) IDENTIFY LOCATIONS OF EACH SYSTEM DEVICE AND MATCH BUILDING SIGNAGE.
2. ELECTRICAL CONTRACTOR TO FURNISH POINT TO POINT WIRING DIAGRAM BY THE FIRE ALARM MANUFACTURER WITH FIRE ALARM SYSTEM SUBMITTALS. POINT TO POINT WIRING DIAGRAMS SHALL INCLUDE ALL WIRING INFORMATION AND CONDUIT SIZES. REQUIRED WIRING DIAGRAMS SHALL BE FURNISHED WITH THE ELECTRICAL SUBMITTAL PACKAGE. SUBMITTAL PACKAGES WITHOUT THESE DRAWINGS AND THE REQUIRED MAINTENANCE AND EXPANSION INFORMATION (SEE SPECIFICATIONS) WILL NOT BE ACCEPTED.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WIRING REQUIREMENTS WITH THE FIRE ALARM SYSTEM SUBCONTRACTOR PRIOR TO BIDDING AND/OR ROUGHING. FURNISH AND INSTALL ALL REQUIRED 120V. CIRCUITS FOR EXTENDER PANELS, AMPLIFIERS, FIELD CHARGING PANELS, RELAY PANELS, ETC.
4. WHERE EXPOSED, ALL FIRE ALARM CABLING SHALL BE INSTALLED IN CONDUIT, 3/4" MINIMUM (NO EXCEPTIONS). ALL FIRE ALARM CONDUITS SHALL BE RED TRUE COLOR EMT.
5. FIRE ALARM SYSTEM CONTRACTOR SHALL FURNISH AND INSTALL REMOTE TEST STATION(S) FOR ALL DUCT MOUNTED SMOKE DETECTORS. THESE STATIONS SHALL BE LABELED WITH THE DEVICE NUMBER AND THE UNIT NUMBER. THE REMOTE TEST STATION(S) SHALL BE LOCATED IN AN ACCESSIBLE LOCATION IN THE CORRIDORS.
6. DUCT MOUNTED SMOKE DETECTORS TO BE FURNISHED BY THE ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. LOCATIONS SHOWN ARE FOR REFERENCE ONLY, COORDINATE EXACT LOCATION WITH THE MECHANICAL AND PLUMBING EQUIPMENT PLANS AND RESPECTIVE CONTRACTOR(S). PROVIDE ALL EQUIPMENT REQUIRED FOR SHUTDOWN OF THE UNITS BY THE FIRE ALARM CONTROL PANEL AS REQUIRED.
7. SUBMIT FIRE ALARM SHOP DRAWINGS TO THE AUTHORITY HAVING JURISDICTION (AHJ) FOR REVIEW AND APPROVAL. NOTIFY ENGINEER OF ANY EXCEPTIONS OR COMMENTS. NO ADDITIONAL COST FOR MEETING EXCEPTIONS AND OR COMMENTS WILL BE ALLOWED.
8. REFER TO THE SPECIFICATIONS FOR LIST OF CONTINGENCY ITEMS.

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CCE No. 22S2H05 Date: Mar 28, 2024
File: EG-01.dwg Time: 11:05:53 am

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING		MANUFACTURER	CATALOG NUMBER	L.E.D.			VOLTS	TOTAL WATTS
		TYPE	HEIGHT			LUMENS	COLOR	DRIVER QTY / TYPE		
R1	2x4 L.E.D. FLAT PANEL WITH INTEGRAL 0-10 VOLT DIMMABLE DRIVER	RECESSED	CEILING	LITHONIA METALUX DAYBRITE	CPX-2X4-AL08-80CRI-SWW7-SWL-120- APPROVED EQUAL APPROVED EQUAL	6,383	4000K	1 / 0-10 VOLT DIMMABLE DRIVER	120	45
R1E	SAME AS FIXTURE 'R1' EXCEPT WITH AN EMERGENCY BATTERY PACK TO OPERATE FIXTURE FOR 90 MINUTES UPON LOSS OF POWER.	RECESSED	CEILING	LITHONIA METALUX DAYBRITE	CPX-2X4-AL08-80CRI-SWW7-SWL-120-EM APPROVED EQUAL APPROVED EQUAL	6,383	4000K	1 / 0-10 VOLT DIMMABLE DRIVER	120	45
X1	SINGLE FACE L.E.D. EXIT SIGN WITH AND INTEGRAL BATTERY. PROVIDE DIRECTIONAL CHEVRONS AS SHOWN ON PLANS	UNIVERSAL	8'-0" AFF/WALL	LITHONIA DUAL-LITE EXITRONIX	LQM-S-W-3-R-120/277-EL N-SD APPROVED EQUAL APPROVED EQUAL	FURNISHED WITH UNIT		N/A	120	10

GENERAL NOTES:

A. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH A STANDARD OF QUALITY. MANUFACTURERS LISTED AS "EQUAL" DOES NOT ENSURE NOR GUARANTEE APPROVAL OF ANY PRODUCT BY THE LISTED MANUFACTURER. FOR APPROVAL, FIXTURES MUST PROVIDE EQUAL PERFORMANCE RELATIVE TO DELIVERY OF LIGHTING, ENERGY USE, AND BE OF SIMILAR DESIGN AND CONSTRUCTION. REQUESTS FOR PRIOR APPROVAL OF FIXTURES NOT LISTED IN THIS SCHEDULE **MUST** BE RECEIVED BY THE ENGINEER A MINIMUM OF 10 DAYS PRIOR TO BID (SEE SPECIFICATIONS) FOR REVIEW BY THE ARCHITECT/ENGINEER. MANUFACTURERS APPROVAL THROUGH THIS PROCESS WILL BE LISTED IN AN ADDENDUM PRIOR TO BID. FIXTURES NOT LISTED IN AN ADDENDUM ARE NOT APPROVED.

B. CONTRACTOR SHALL PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMLPETE INSTALLATION. ALL PRODUCTS SHALL BE U.L. LISTED.

C. PROVIDE PROPER LAMP FOR REFLECTOR ASSEMBLY SPECIFIED AND AS RECOMMENDED BY LUMINAIRE MANUFACTURER.

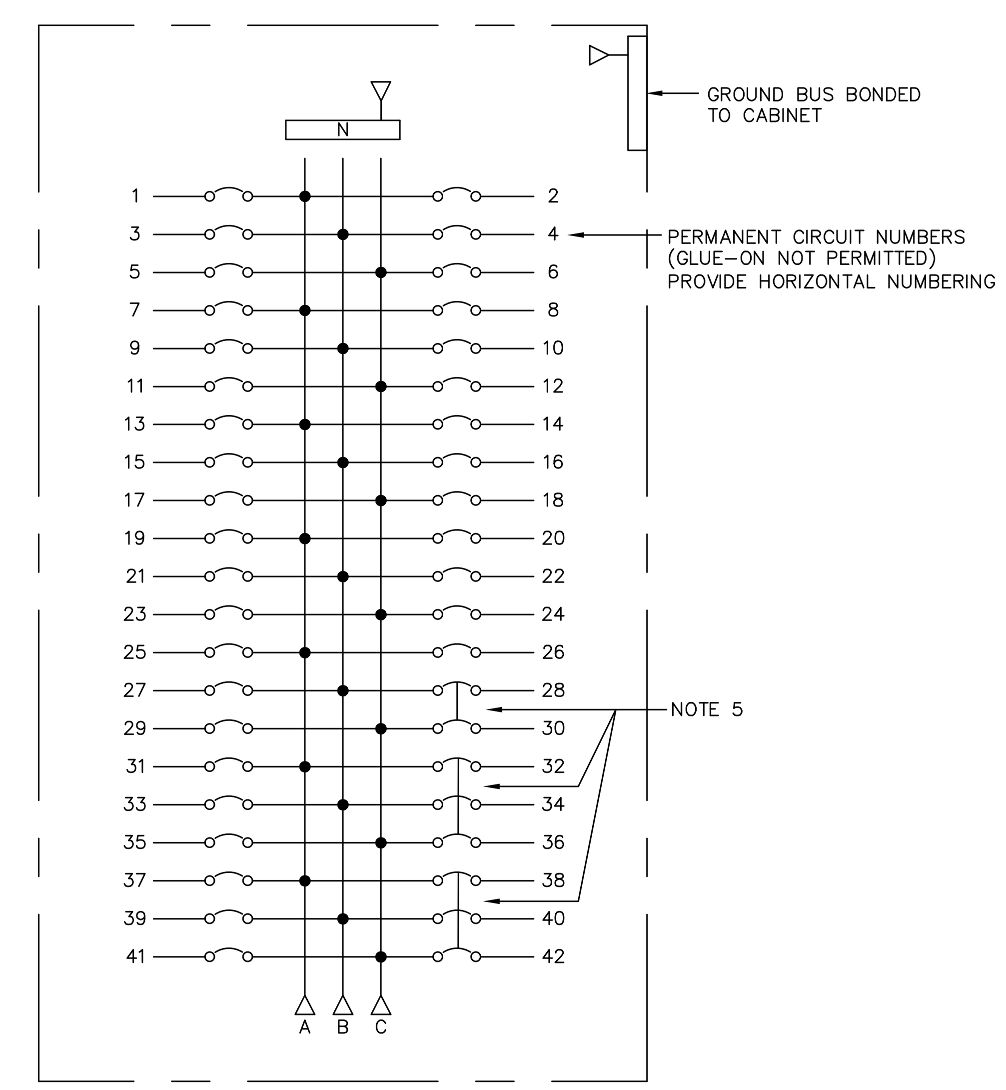
D. VERIFY CONSTRUCTION AND TYPE CEILINGS TO BE INSTALLED AND PROVIDE LUMINAIRES IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.

E. PROVIDE LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIES, MOUNTING HARDWARE, ETC., AS REQUIRED FOR COMPLETE INSTALLATION.

F. EXIT LIGHTS SHALL BE PROVIDED WITH RED LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL INDICATORS AS INDICATED AND/OR AS REQUIRED.

G. PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRICAL CODE.

H. FURNISH LINEAR LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS INDICATED ON DRAWINGS. PROVIDE WITH CORNER, ANGLE, AND END PIECES AS REQUIRED FOR A COMPLETE FINISHED INSTALLATION.

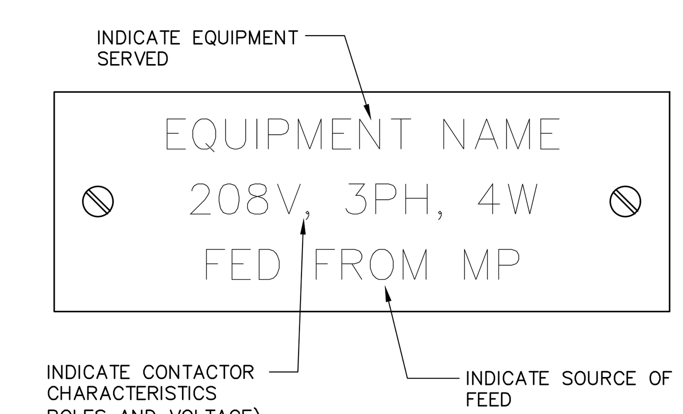


PANEL NOTES:

1. ALL PANELS TO HAVE DOOR–IN–DOOR (HINGED TRIM) CONSTRUCTION.
2. INSTALL NAMEPLATE (PER DETAIL) USING MACHINE SCREWS OR 2 PART EPOXY (12HR)
3. PANEL TO HAVE WELDED METAL DIRECTORY CARD HOLDER.
4. ALL MULTI–POLE BREAKERS SHALL HAVE A COMMON TRIP MECHANISM FOR SIMULTANEOUS OPERATION.
5. PROVIDE HANDLE TIE FOR MULTIPLE BREAKERS WITH CIRCUITS THAT SHARE A COMMON NEUTRAL.

DETAIL: PANELBOARD

TYPICAL CONNECTION AND NUMBERING SEQUENCE - NO SCALE



SAFETY SWITCHES AND/MOTOR STARTERS

DETAIL NOTES:

1. PROVIDE NAMEPLATES FOR MAIN PANEL, ALL BREAKERS IN TYPE 'CCB' PANELS, TRANSFER SWITCH(ES), PANELBOARDS, ALL SAFETY SWITCHES, MOTOR STARTERS, CONTACTOR AND RELAY ENCLOSURES, ETC.
2. ALL NAMEPLATES SHALL BE WHITE WITH 1/4" HIGH ENGRAVED LETTERING, BLACK FOR NORMAL POWER AND RED FOR EMERGENCY POWER UNLESS NOTED OTHERWISE.
3. ALL NAMEPLATES TO BE SECURED TO THE EQUIPMENT WITH SCREWS OR HIGH STRENGTH WATERPROOF EPOXY ADHESIVE.

ELECTRICAL EQUIPMENT NAMEPLATE DETAILS

NOT TO SCALE

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

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JEFFERSON COUNTY ALABAMA

LOCATION

SHEET TITLE

ELECTRICAL LEGEND AND FIXTURE SCHEDULE

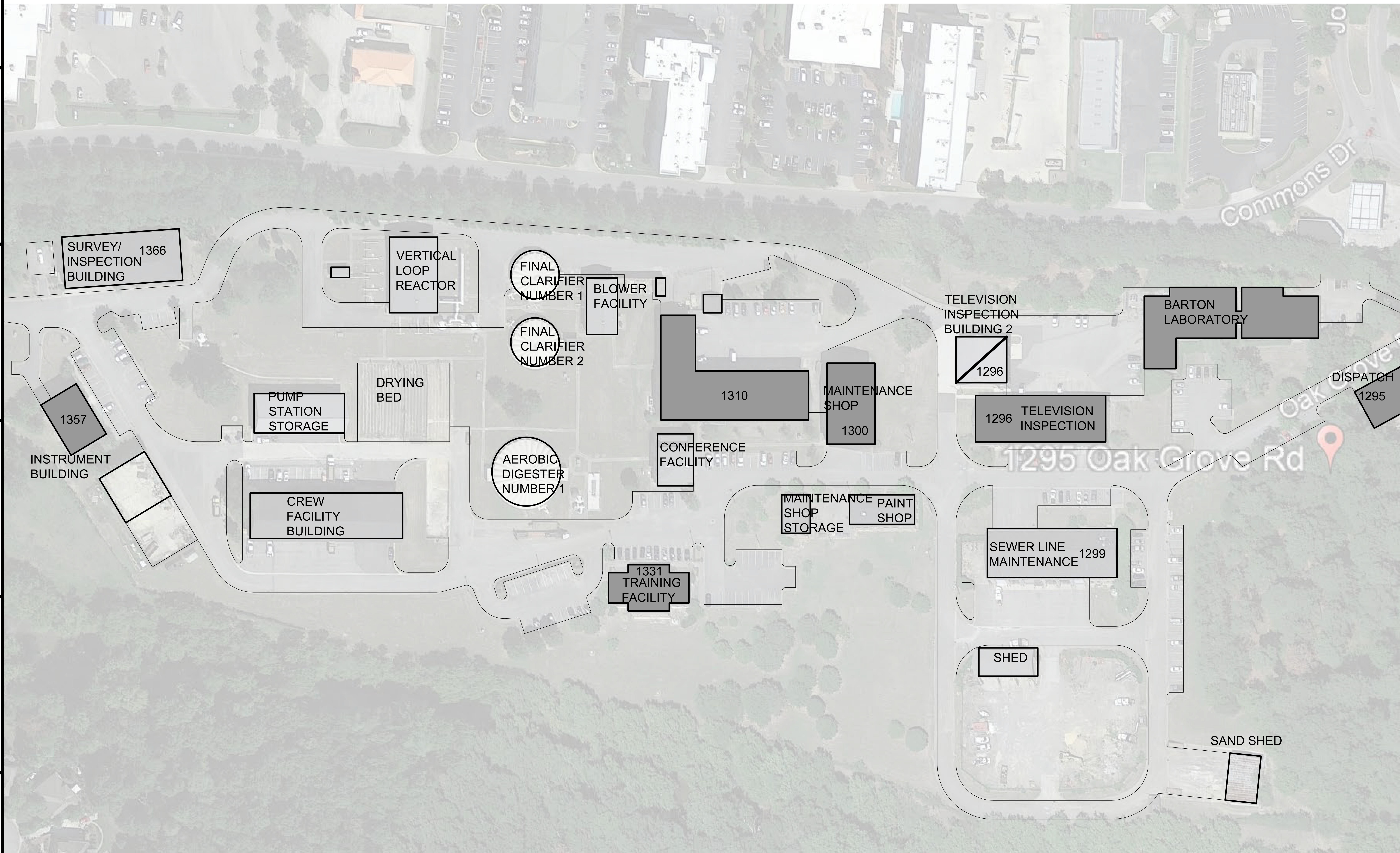
DRAWING NUMBER

E0.1

PROJECT NUMBER

202123

30% DESIGN REVIEW



NORTH

01

SITE PLAN
Scale: 0'-1/64"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1295 OAK GROVE RD S,
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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DATE: 03.29.2024

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REVIEWED BY: NH

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY

SHEET TITLE
SITE PLAN

DRAWING NUMBER
A1.0

PROJECT NUMBER
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GENERAL DEMOLITION NOTES

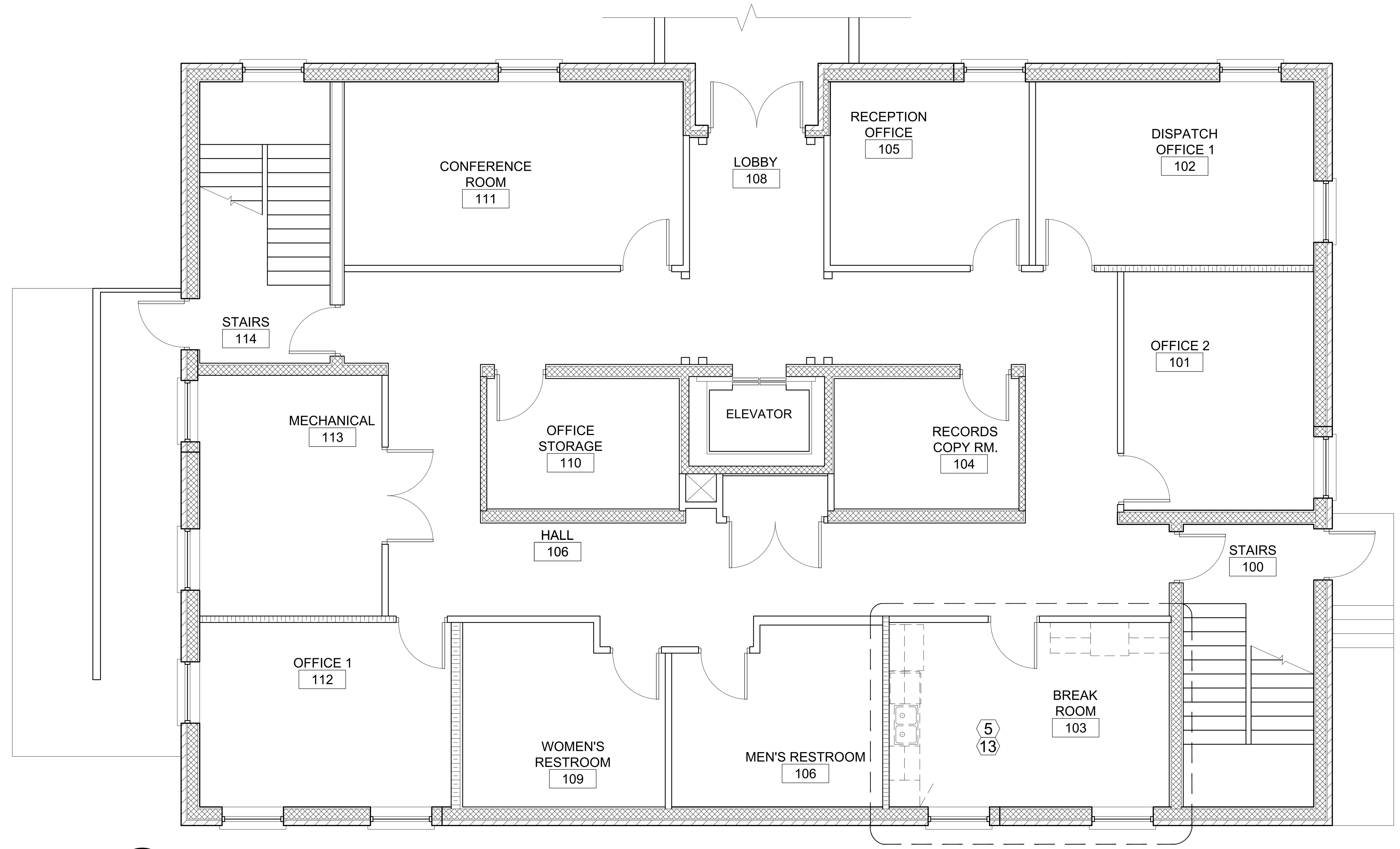
1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.

KEYED DEMOLITION NOTES

1. NOT USED.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR STAINING CONCRETE SLAB.
8. EXISTING CMU WALL TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, COUNTERTOPS, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.

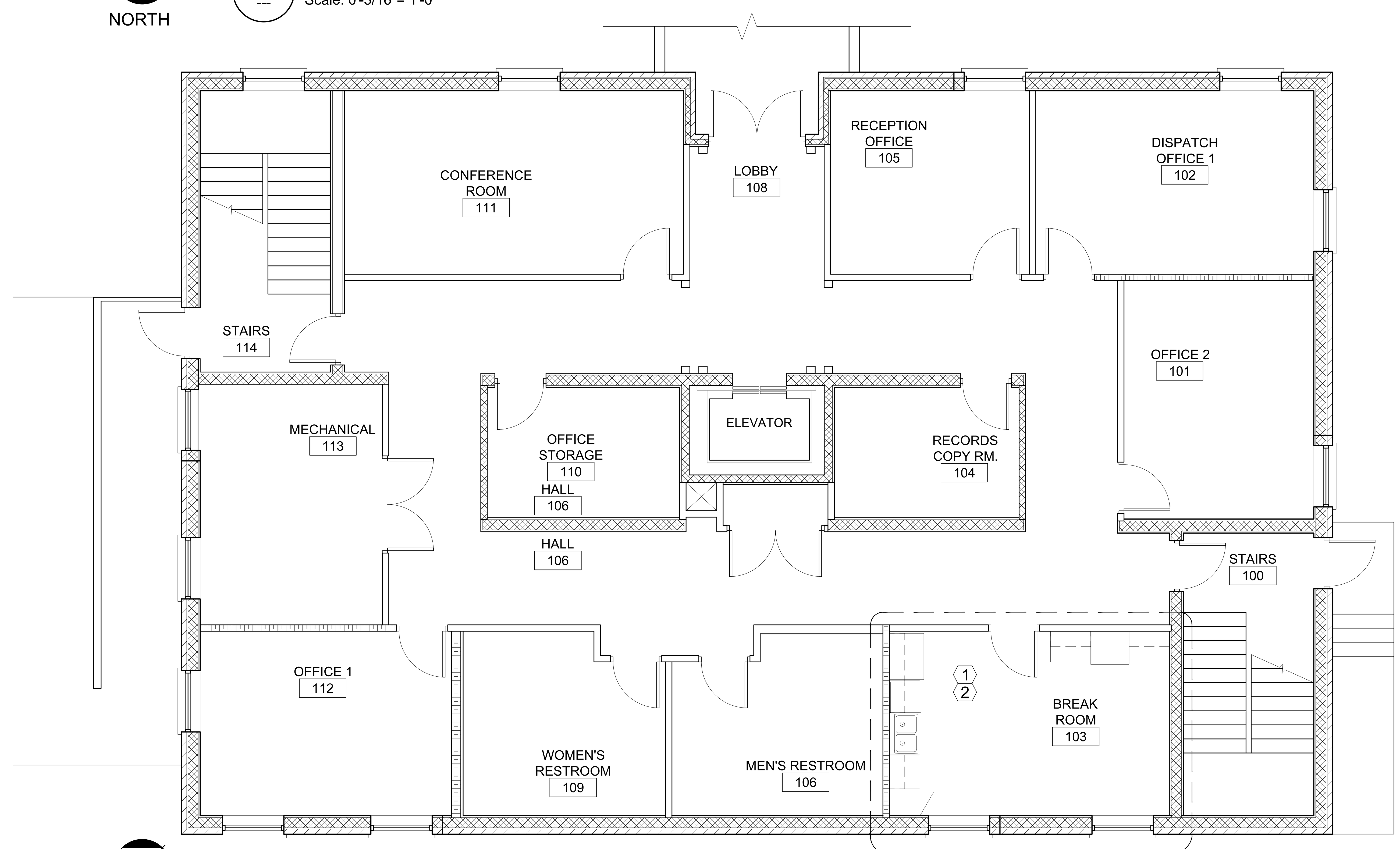
KEYED NEW FLOOR PLAN NOTES

1. NEW CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES.
2. NEW CABINETS, APPLIANCES, COUNTERTOP AND BACKSPLASH.



NORTH

01 DEMOLITION GROUND FLOOR PLAN
Scale: 0'-3/16"= 1'-0"



NORTH

02 NEW GROUND FLOOR PLAN
Scale: 0'-3/16"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA ★ REGISTERED ARCHITECT ★
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

STUDIO 2H DESIGN LLC
STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
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RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ★ ALABAMA ★

SHADES VALLEY

LOCATION

SHADES VALLEY BUILDING #1295

SHEET TITLE

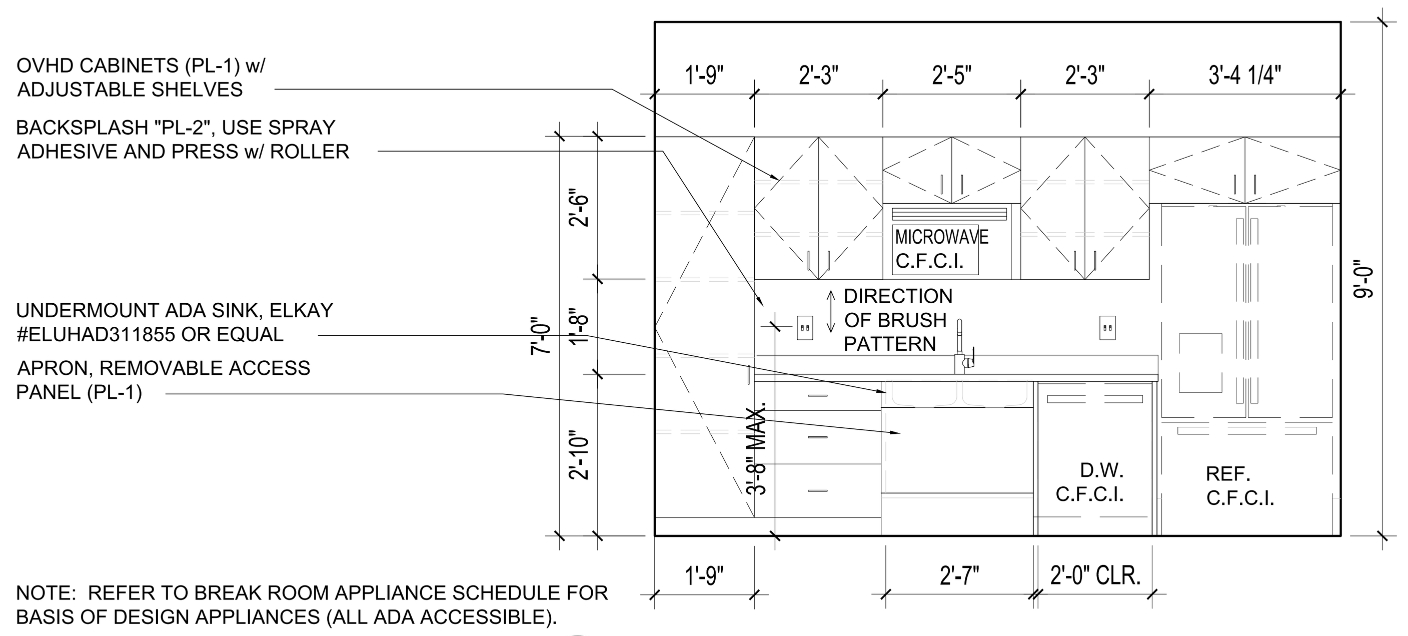
EXISTING FLOOR PLAN AND NEW FLOOR PLAN

DRAWING NUMBER

A1.1

PROJECT NUMBER

202123



02 INTERIOR ELEVATION
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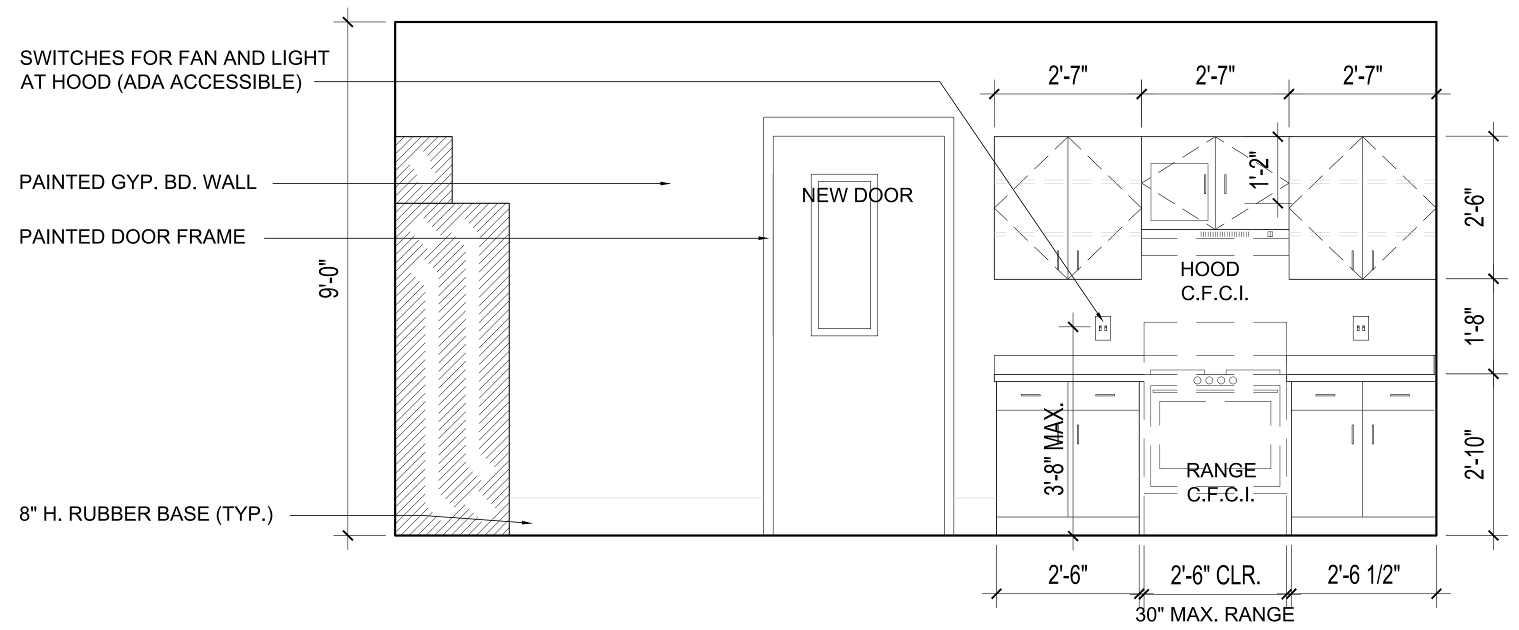

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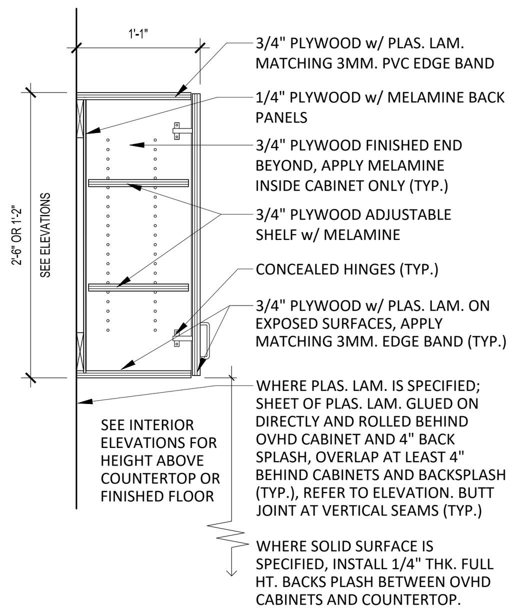

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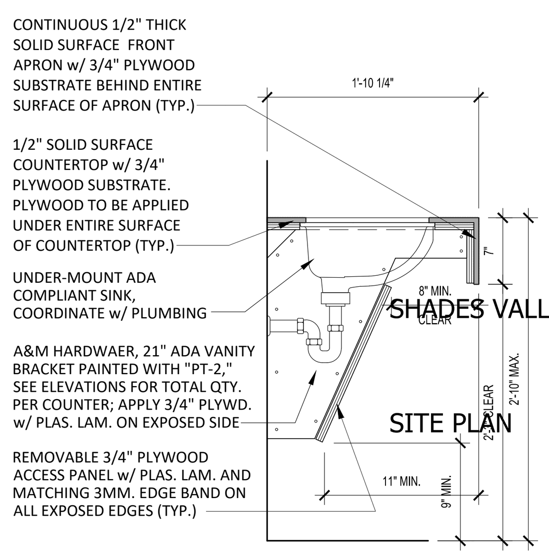

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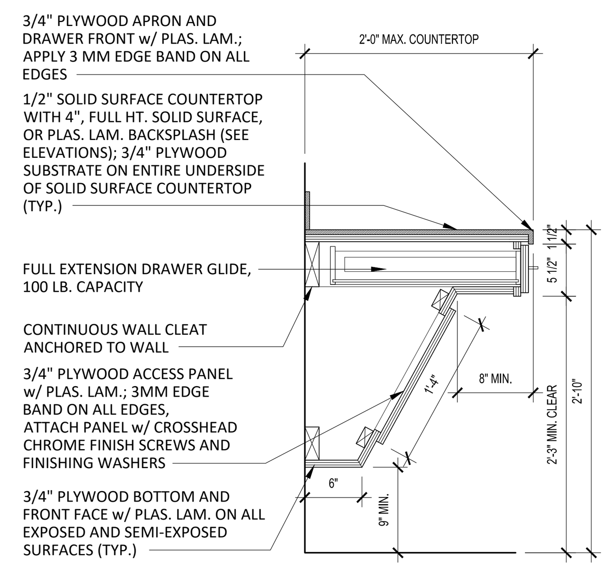

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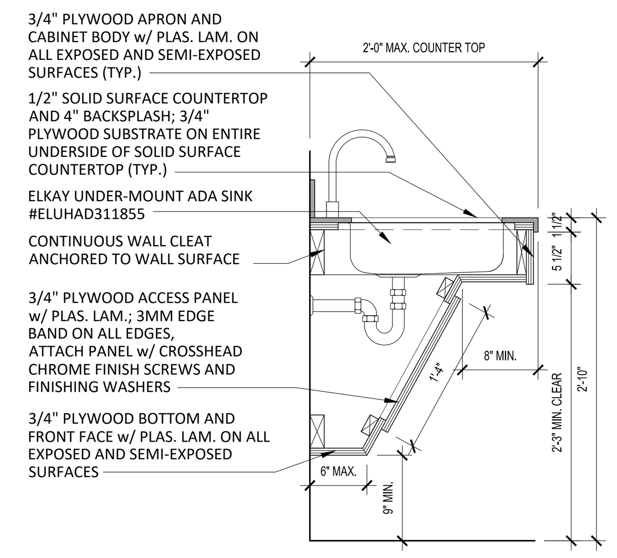

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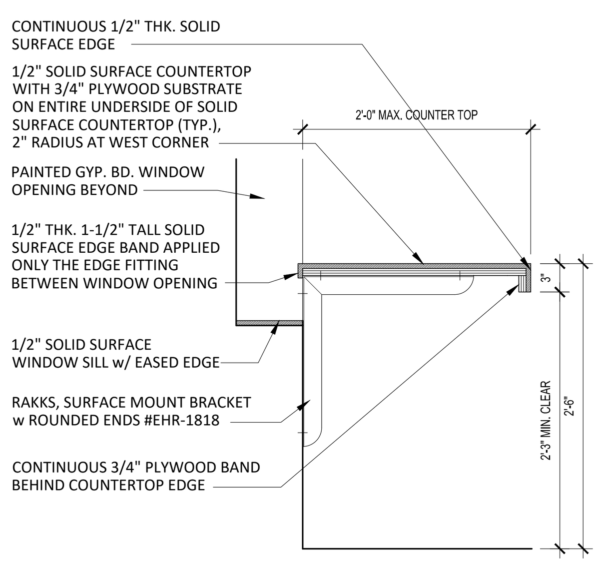

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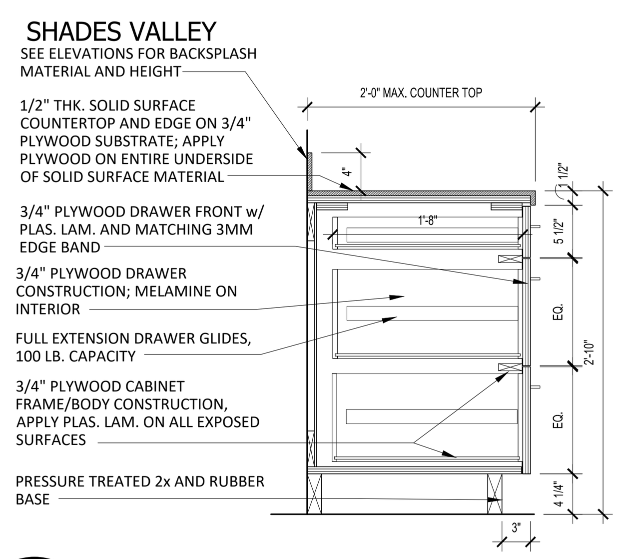
Scale: 0'-3/4"= 1'-0"



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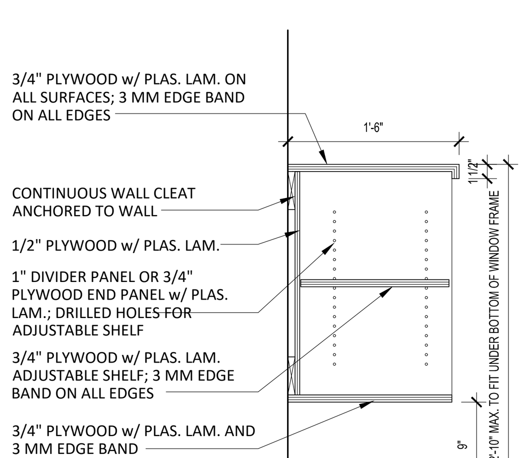

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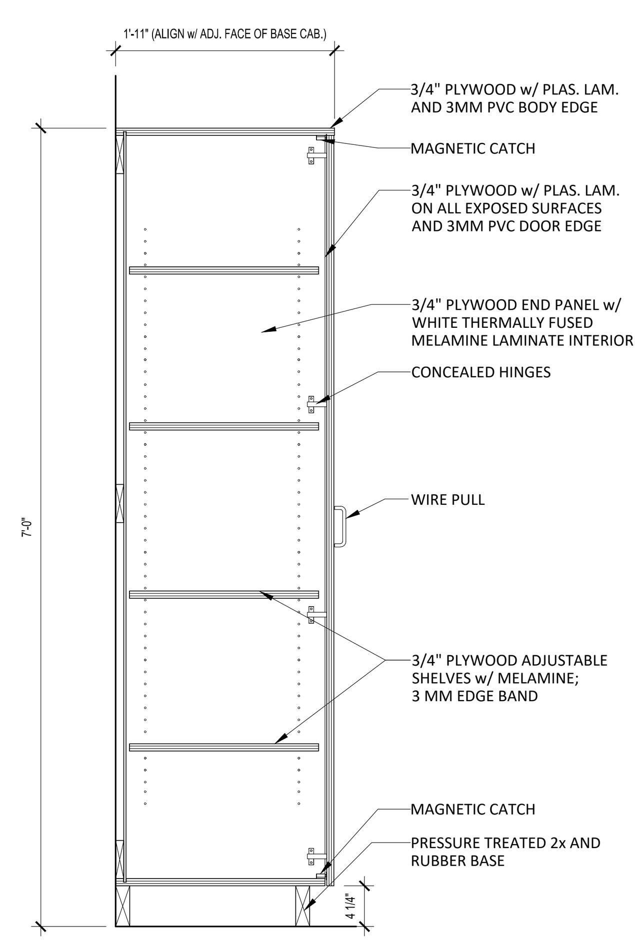
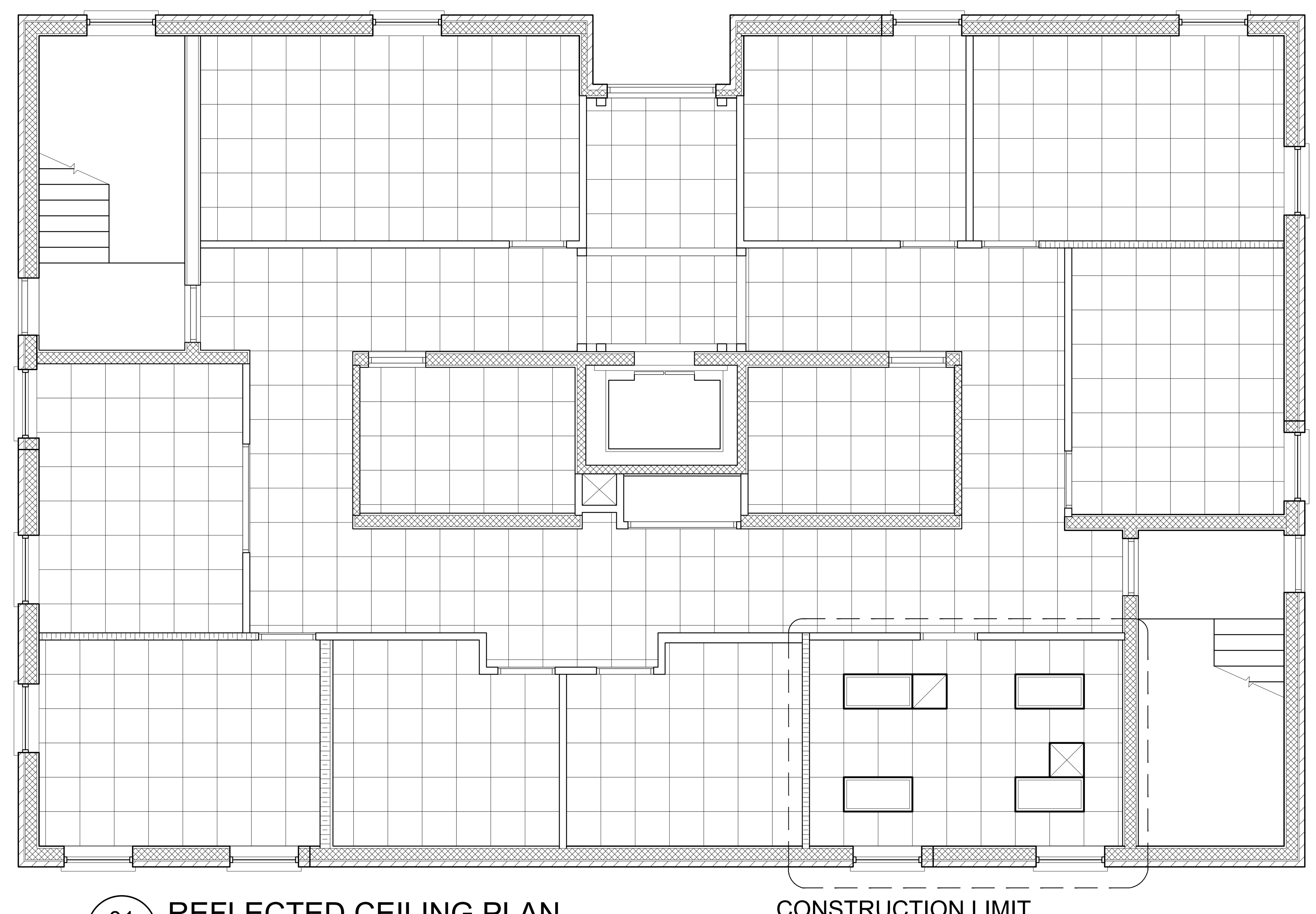


11 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"

NORTH



01 REFLECTED CEILING PLAN
Scale: 0'-3/16"= 1'-0"

RCP LEGEND

	NEW 2X2 LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
	NEW 2X2 VINYL-COVERED LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
	EXISTING 2X2 GRID SYSTEM NEWLY PAINTED AND NEW ACOUSTICAL CEILING TILES
	GYP BD SOFFIT: $\frac{5}{8}$" GYP BD ON $3\frac{5}{8}$" METAL FRAMING
	NEW 2X4 LIGHT FIXTURE
	NEW EXIT LIGHT
	NEW SUPPLY GRILLE
	NEW RETURN GRILLE
	NEW EXHAUST GRILLE
8'-6"	CEILING HEIGHT ABOVE FINISH FLOOR

REFLECTED CEILING PLAN NOTES

1. IN BREAK ROOM 103, INSTALL NEW LIGHT FIXTURES AT THE SAME LOCATION AS THEY WERE ORIGINALLY LOCATED. INSTALL MECHANICAL GRILLES CLOSE TO WHERE THEY WERE LOCATED TO MINIMIZE DUCT WORK.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA
SHADES VALLEY

LOCATION
SHADES VALLEY BUILDING #1295

SHEET TITLE
REFLECTED CEILING PLAN & INTERIOR ELEVATIONS

DRAWING NUMBER
A1.2

PROJECT NUMBER
202123

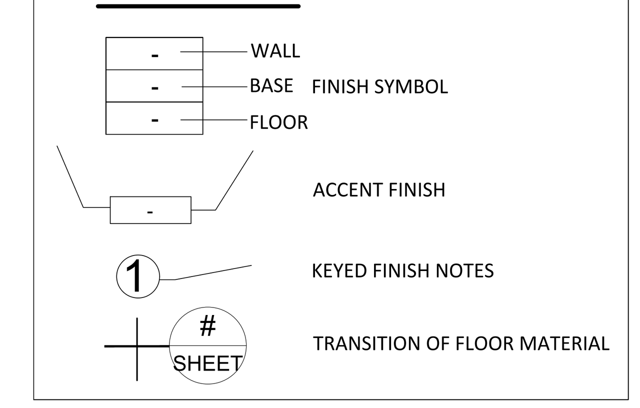
GENERAL NOTES - FINISH PLAN:

1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

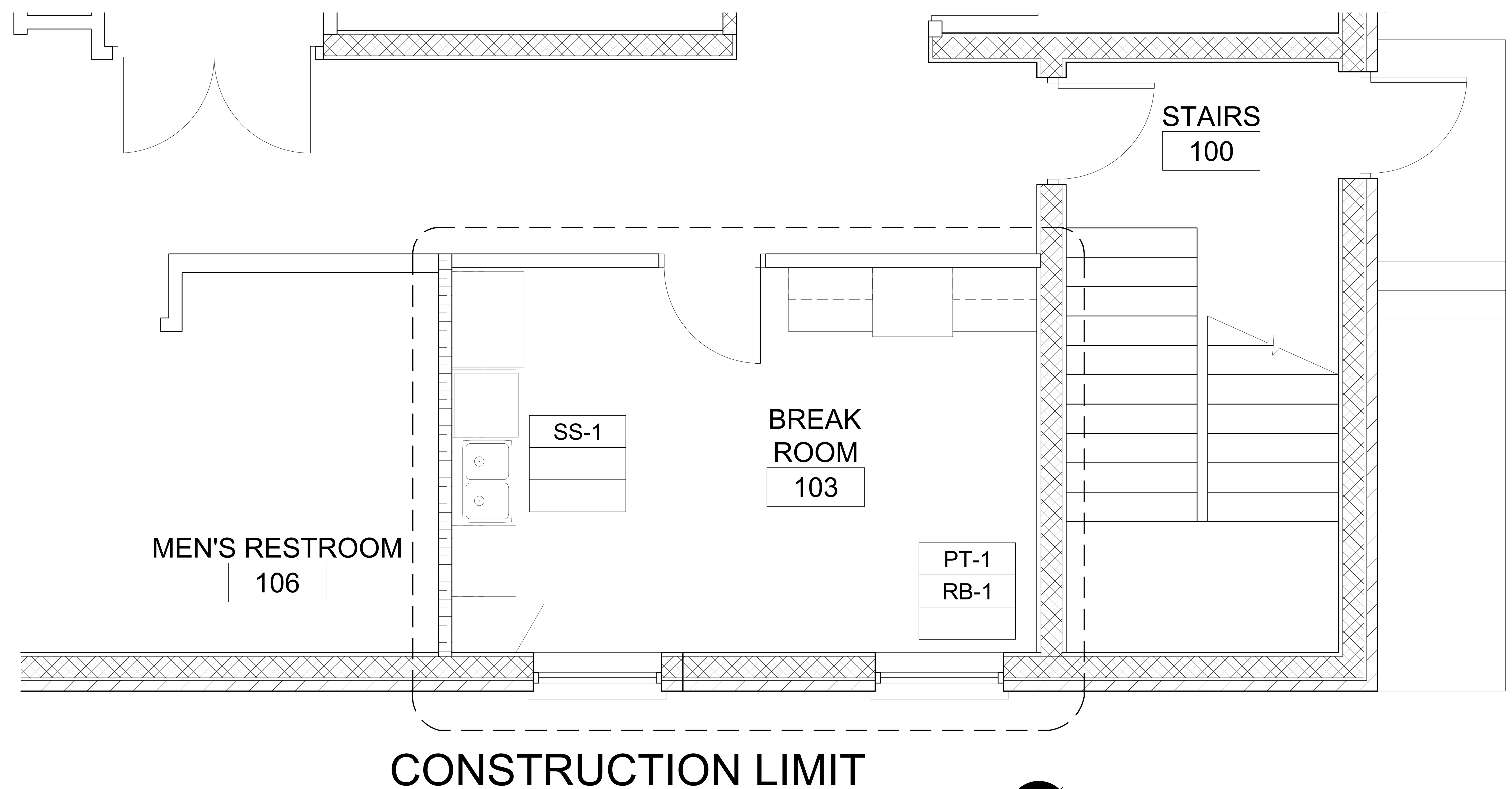
1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "UCB-1" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.

FINISH LEGEND



FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
FLOOR			
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			



NORTH

01 FINISH PLAN
Scale: 0'- 3/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

SHADES VALLEY

LOCATION

SHADES VALLEY BUILDING #1295

SHEET TITLE

FINISH PLAN, SCHEDULE, & NOTES

DRAWING NUMBER

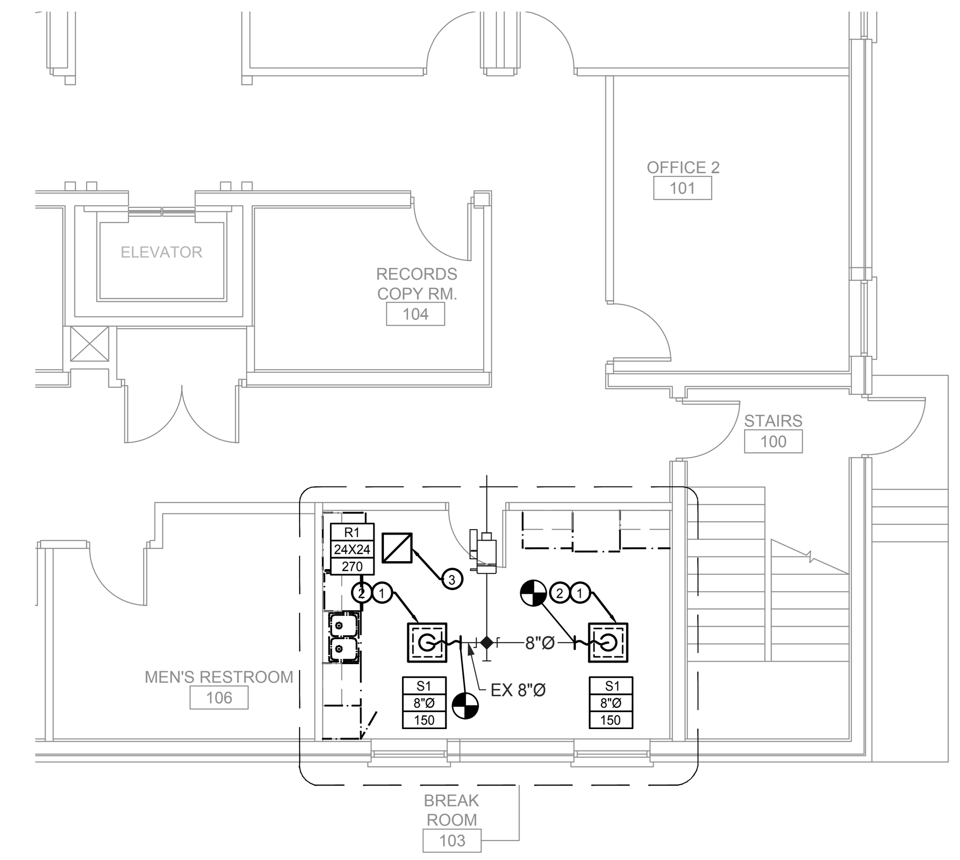
A1.3

PROJECT NUMBER

202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

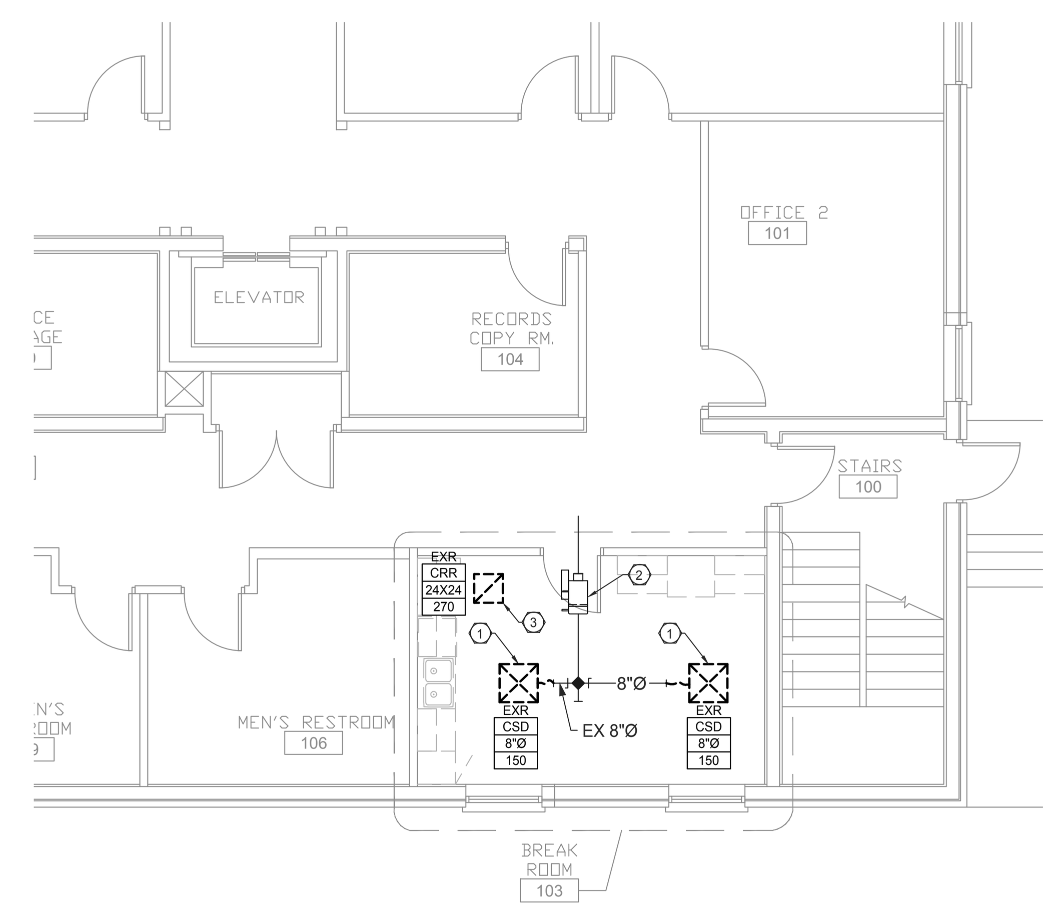
DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



KEYED NOTES:

1. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
2. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.
3. INSTALL NEW RETURN AIR GRILLE COORDINATE WITH NEW CEILING LAYOUT.

7 HVAC DUCTWORK PLAN - DISPATCH BUILDING FIRST FLOOR
1/8" = 1'-0"



DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE.
2. EXISTING VARIABLE AIR VOLUME TERMINAL AND WALL MOUNTED THERMOSTAT TO REMAIN.
3. DEMOLISH AND REMOVED EXISTING EXHAUST GRILLE, EXISTING 18X18 DUCTWORK TO REMAIN.

7 HVAC DUCTWORK PLAN - DISPATCH BUILDING DEMOLITION FIRST FLOOR
1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

21.09.192
3/29/24

STUDIO 2H DESIGN, LLC
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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - DISPATCH BLDG 1295

SHEET TITLE
FLOOR PLAN - HVAC DEMOLITION

DRAWING NUMBER
M1.0

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB   DRAWN BY: LJB   CHECKED BY: LJB   BBGS NO: 21.09.192

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING 2 COMPARTMENT SINK COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.

GENERAL DEMOLITION NOTES

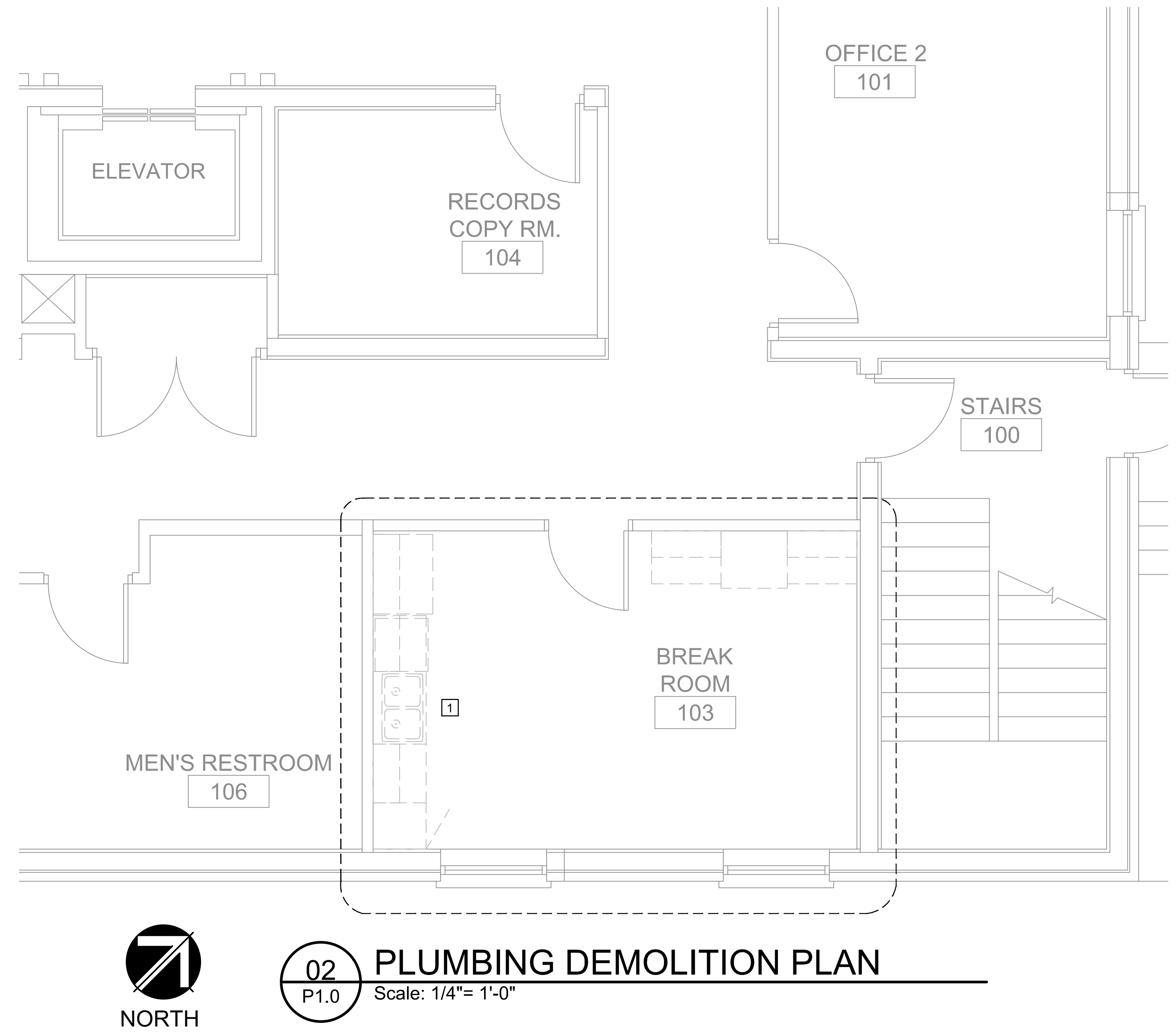
A. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

B. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

C. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

D. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

E. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



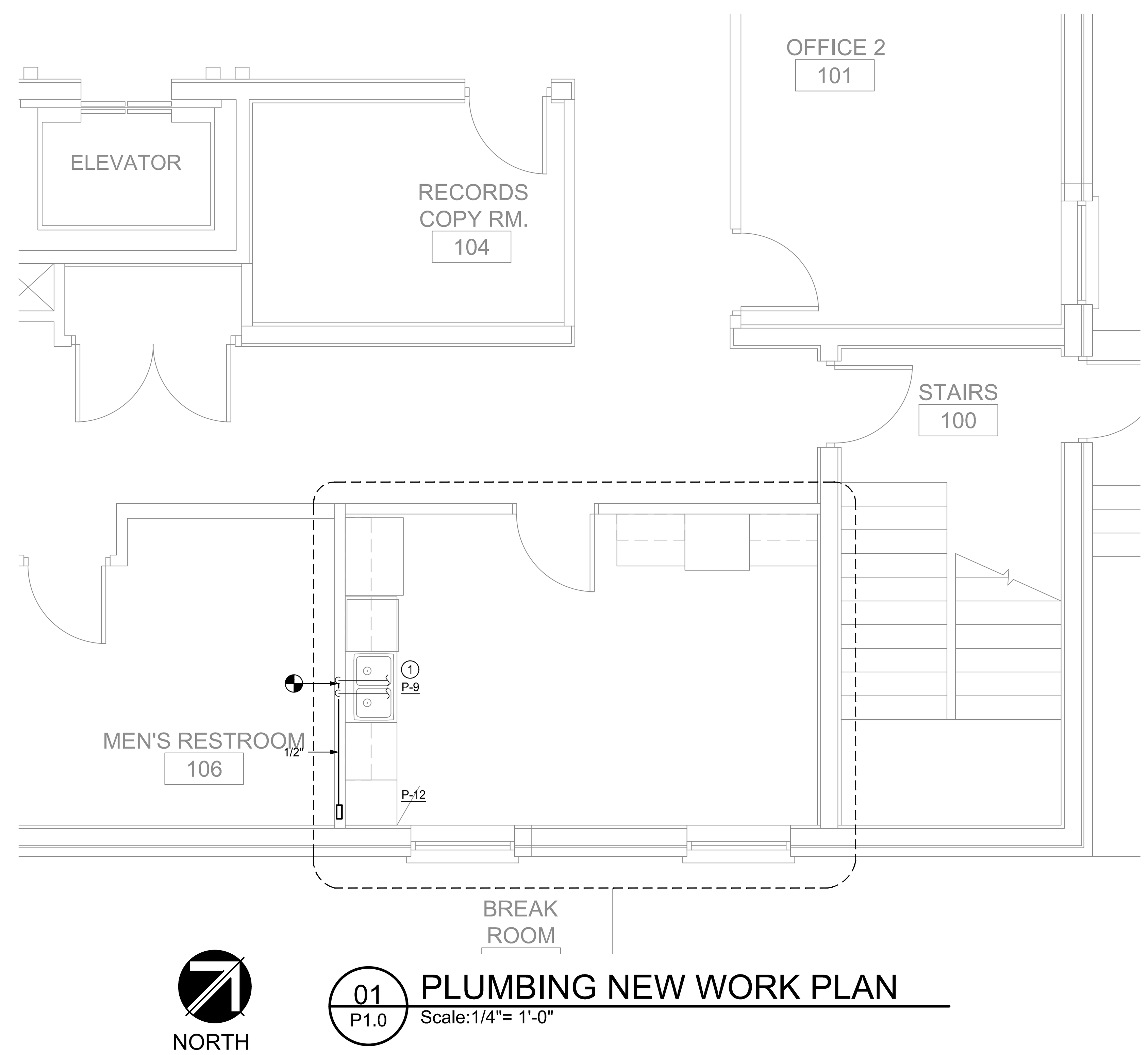
02 P1.0 PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.

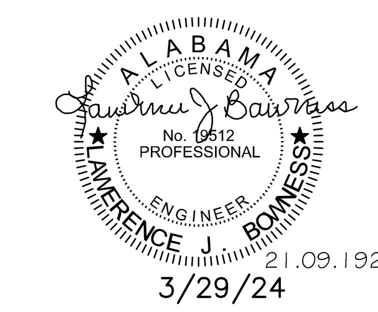


01 P1.0 PLUMBING NEW WORK PLAN
Scale:1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION

SHADES VALLEY BUILDING #1295 DISPATCH

SHEET TITLE

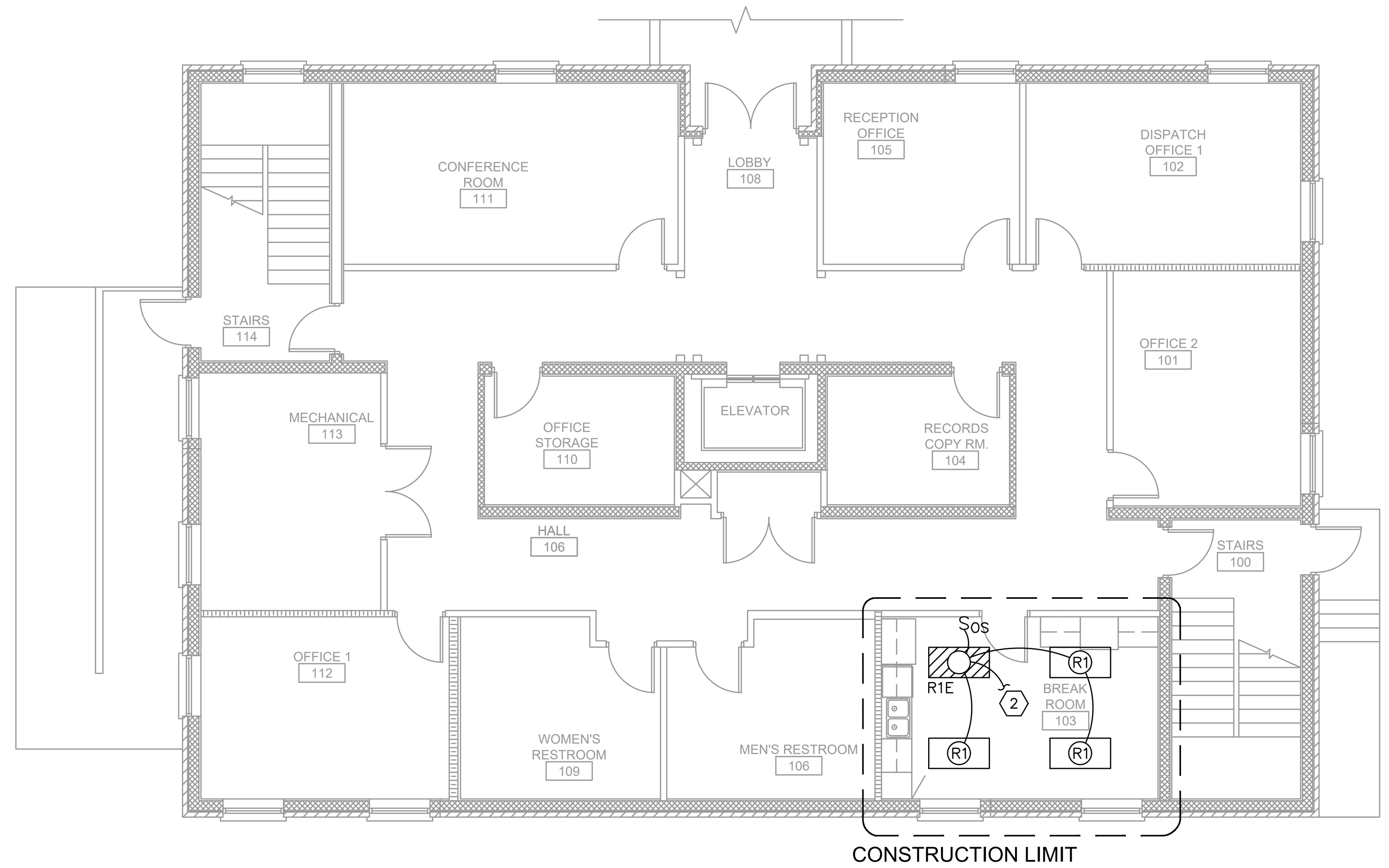
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER

P1.0

PROJECT NUMBER

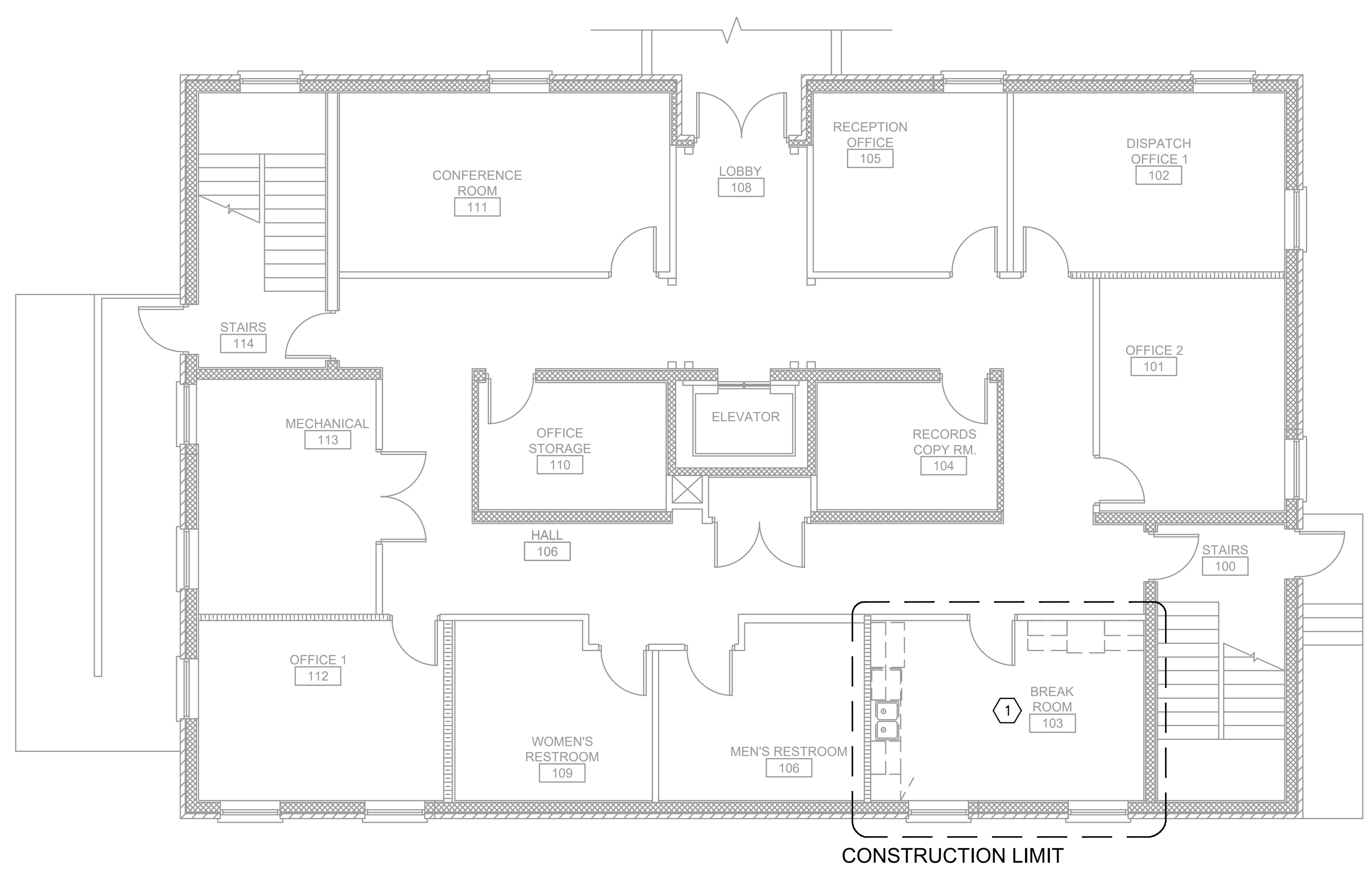
202123



FIRST FLOOR PLAN - ELECTRICAL

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

NORTH



FIRST FLOOR PLAN - DEMOLITION

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

NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com

CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-01.dwg Time: 3:57:11 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS ROOM TO BE REMOVED COMPLETE. PREPARE EXISTING LIGHTING CIRCUIT FOR CONNECTION TO NEW LIGHTS SHOWN IN NEW WORK PLANS..

2. CONNECT TO EXISTING LIGHTING CIRCUIT IN ROOM WITH 2#12, 1#12G–3/4"C. REWORK SWITCHING AS SHOWN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1295 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMIE L. BAILEY
3/28/24

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING **#1295** DISPATCH

SHEET TITLE

FLOOR PLANS - ELECTRICAL

DRAWING NUMBER

E1.0

PROJECT NUMBER

202123

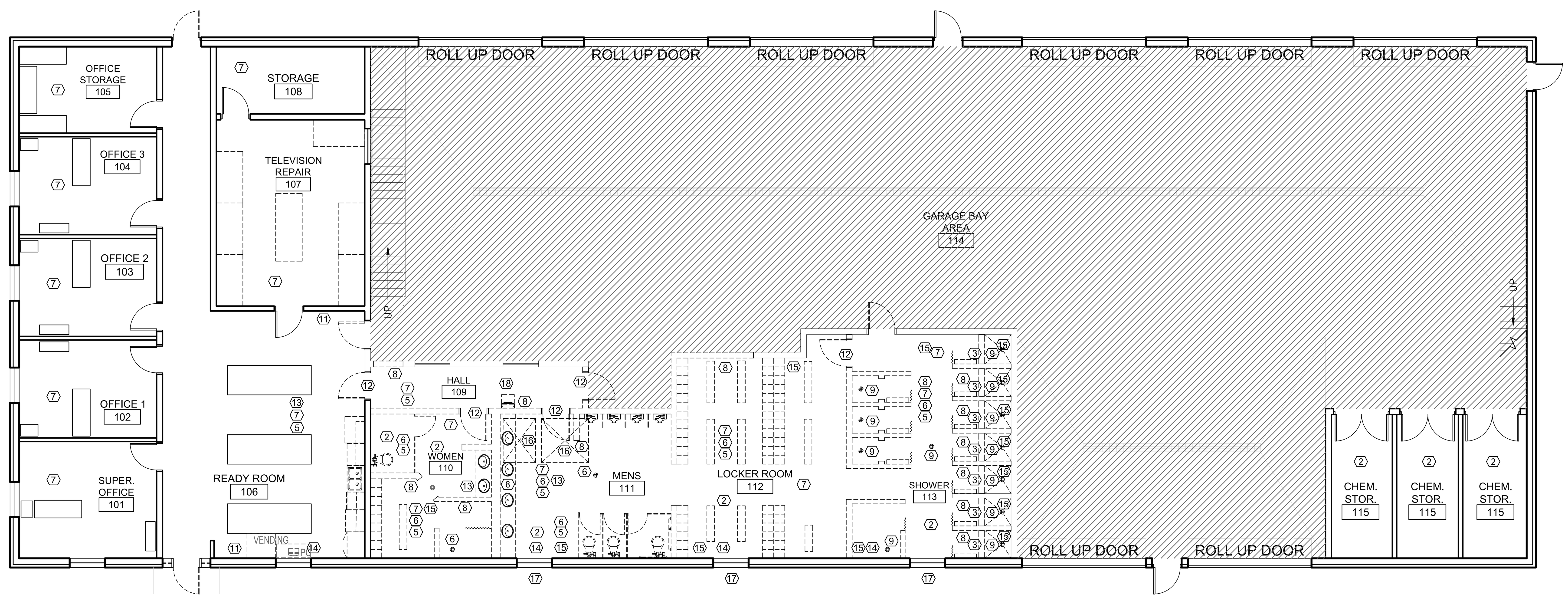
30% DESIGN REVIEW

KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR STAINING CONCRETE SLAB.
8. EXISTING CMU WALL TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
17. EXISTING WINDOW TO BE REMOVED.
18. EXISTING DRINKING FOUNTAIN TO BE REMOVED.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



BUILDING #1330 TO BE COMPLETED LAST IN THE SHADES VALLEY CONSTRUCTION SEQUENCE.
EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

NORTH

01 DEMOLITION PLAN
Scale: 0'-1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION □

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1296

SHEET TITLE

DEMOLITION PLAN

DRAWING NUMBER

A2.0

PROJECT NUMBER

202123

TOILET ACCESSORY SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE
J1	SHOWER CURTAIN	BOBRICK	B-204-3
J2	SHOWER CURTAIN HOOKS	BOBRICK	B-204-1

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

APPLIANCE SCHEDULE

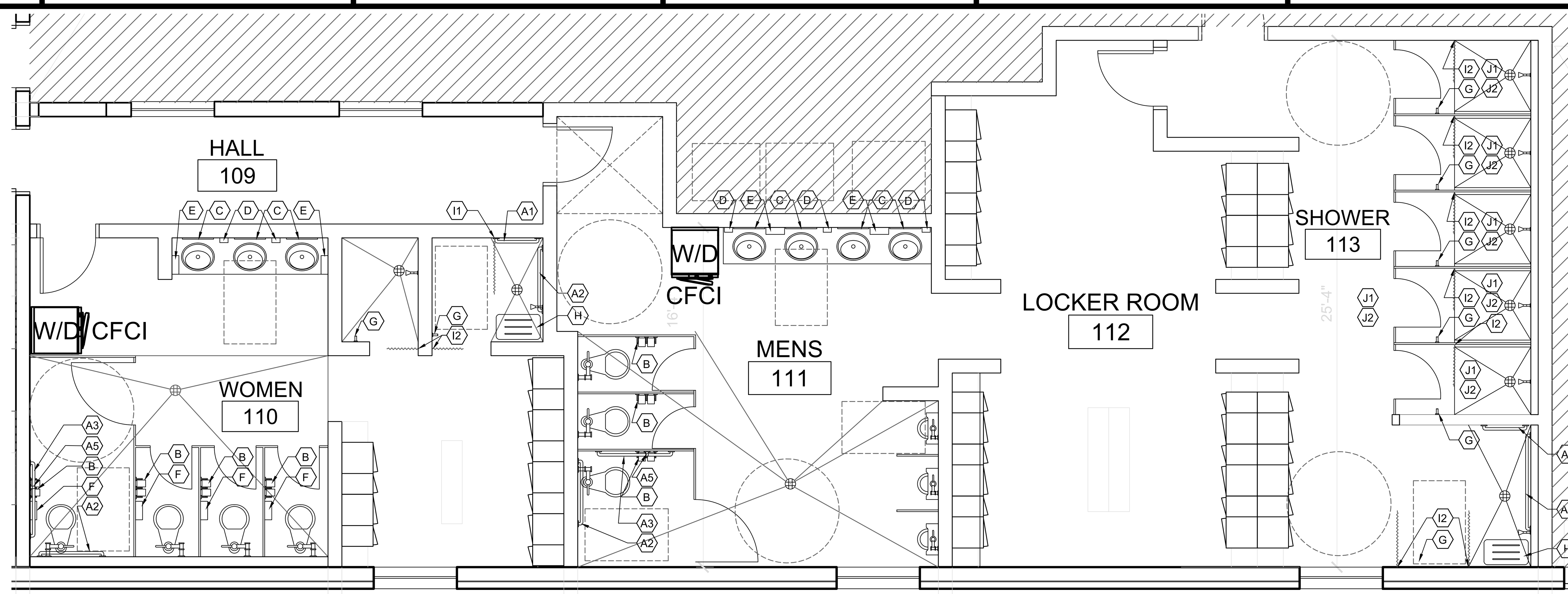
ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT
WASHER DRYER STACKED UNIT	GE	#GUD27EESNWW, UNITIZED SPACEMAKER, ENERGY STAR, 3.9 Cu. Ft. CAPACITY WASHER w/ STAINLESS STEEL BASKET AND 5.9 Cu. Ft. CAPACITY ELECTRIC DRYER, 75-7/8"H x 26-3/4"W x 30-7/8"D, ADA COMPLIANT

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.

PARTITION SCHEDULE

MARK	THICKNESS	STC	HEIGHT	DETAIL	DESCRIPTION
3A	6 5/8"	N/A	TO UNDERSIDE OF STRUCTURE ABOVE	EXISTING OR ADJACENT CONSTRUCTION	1 LAYER ⅝" CEMENT BOARD SCREW ATTACHED TO ONE SIDE OF 6" METAL STUDS AT 16" ON CENTER. STAGGER ALL WALLBOARD JOINTS.
3B	4 1/4"	N/A	TO UNDERSIDE OF STRUCTURE ABOVE	EXISTING OR ADJACENT CONSTRUCTION	1 LAYER ⅝" CEMENT BOARD SCREW ATTACHED TO ONE SIDE OF 3⅝" METAL STUDS AT 16" ON CENTER. STAGGER ALL WALLBOARD JOINTS.
3C	7 5/8"	N/A	TO UNDERSIDE OF STRUCTURE ABOVE		8" CONCRETE BLOCK (CMU) w/ #4 VERTICAL & CONCRETE IN CELLS AT 48" O.C. & HORIZONTAL LADDER REINFORCEMENT AT 16" O.C. (EVERY OTHER COURSE). SEE STRUCTURAL SECTIONS FOR TIES TO SLAB AND CONCRETE SLAB TOP.

NOTE: DIMENSIONS OF EXISTING ITEMS ARE APPROXIMATE. GC TO VERIFY ALL DIMENSIONS IN THE FIELD.



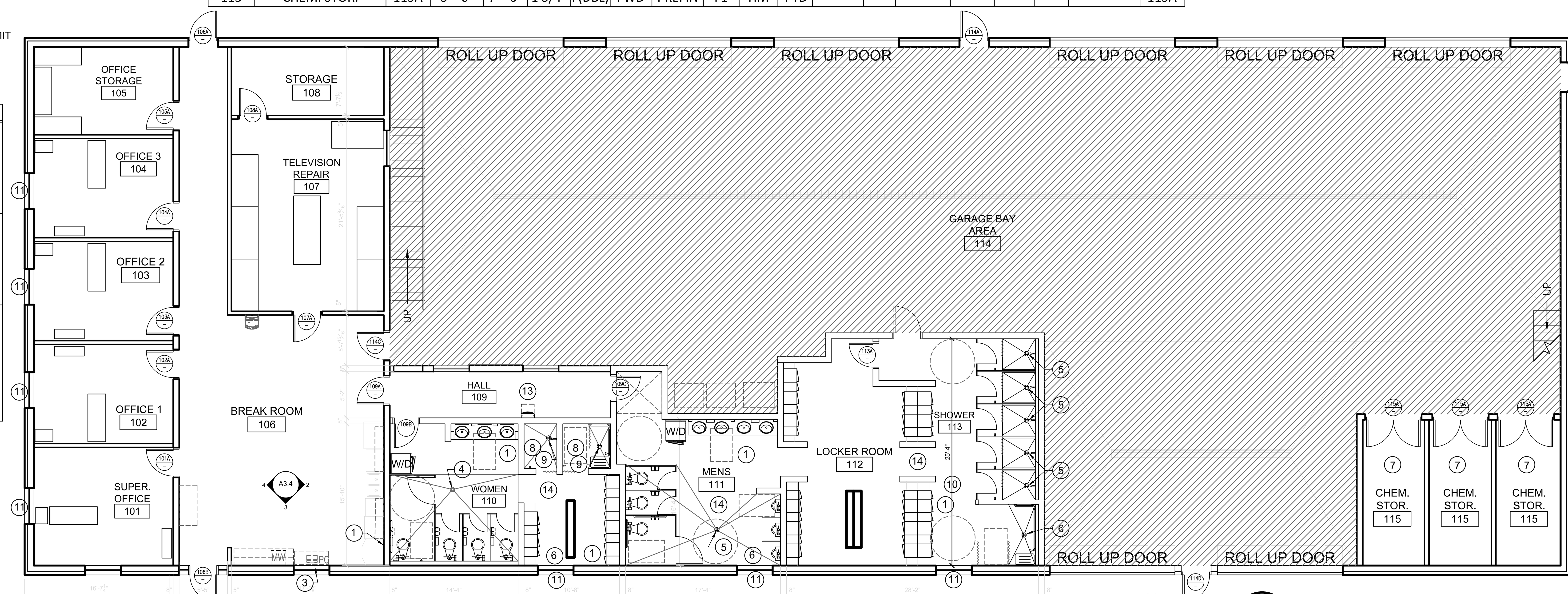
02 ENLARGED RESTROOM PLAN
Scale: 0'-1/4"= 1'-0"

DOOR SCHEDULE

IDENTIFICATION			DIMENSIONS			PANEL			FRAME			FIRE RATING (Min)	HARDWARE		DETAILS			REMARKS	DOOR NO.
ROOM NO.	ROOM NAME	DOOR NO.	WIDTH W1	HGT	THK	TYPE	MAT	FIN	TYPE	MAT	FIN		HW SET	CARD READER	HEAD	JAMB	SILL		
101	SUPER. OFFICE	101A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								101A
102	OFFICE 1	102A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								102A
103	OFFICE 2	103A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								103A
104	OFFICE 3	104A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								104A
105	OFFICE STORAGE	105A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								105A
106	BREAK ROOM	106A	3' - 0"	7' - 0"	1 3/4"	FN	STL	PREFIN	F1	HM	PTD							PANIC	106A
106	BREAK ROOM	106B	3' - 0"	7' - 0"	1 3/4"	FN	STL	PREFIN	F1	HM	PTD							PANIC	106B
107	TELEVISION	107A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								107A
108	STORAGE	108A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								108A
109	HALL	109A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								109A
109	HALL	109B	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								109B
113	BATHROOM	113A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								113A
114	GARAGE BAY AREA	114A	3' - 0"	7' - 0"	1 3/4"	FN	STL	PREFIN	F1	HM	PTD							PANIC	114A
114	GARAGE BAY AREA	114B	3' - 0"	7' - 0"	1 3/4"	FN	STL	PREFIN	F1	HM	PTD							PANIC	114B
114	GARAGE BAY AREA	114C	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD							PANIC	114C
114	GARAGE BAY AREA	114D	3' - 0"	7' - 0"	1 3/4"	FN	STL	PREFIN	F1	HM	PTD							PANIC	114D
115	CHEM. STOR.	115A	3' - 0"	7' - 0"	1 3/4"	F(DBL)	FWD	PREFIN	F1	HM	PTD								115A

KEYED FLOOR PLAN NOTES

1. INSTALL BLOCKING AS REQUIRED FOR INSTALLATION OF NEW MILLWORK, EQUIPMENT, ACCESSORIES, ETC.
2. TIME CLOCK TO BE RELOCATED AS SHOWN. 48" MAX. A.F.F. TO OPERABLE PART.
3. INSTALL 1/2" SOLID SURFACE WINDOW SILL. DO NOT EXTEND BEYOND SIDE WALL OF WINDOW OPENING. EASED EDGE CORNERS.
4. EXISTING FLOOR DRAIN. REWORK FLOOR SLOPE TO THE DRAIN.
5. NEW FLOOR DRAIN.
6. INSTALL WALL TILE "WT-1" AT WINDOW HEAD, JAMB AND SILL. TILES TO BE CENTERED WITHIN THE OPENING. INSTALL METAL TRIMS AT CORNERS AS SHOWN ON ELEVATIONS.
7. NEW LIGHTING FIXTURES TO BE INSTALLED.
8. INSTALL NEW CONCRETE SLAB TO ACCOMMODATE NEW DRAIN SYSTEM AND MINIMUM 1" RECESS FOR SHOWER FLOOR.
9. NEW FLOOR DRAIN. INSTALL FLOOR AT MAX. 1/4" PER LINEAR FOOT PITCH.
10. INSTALL NEW WALL TO ALIGN FACE OF EXISTING WALL.
11. INSTALL NEW WINDOWS AND SILLS.
12. INSTALL NEW DOORS, CLOSERS AND HARDWARE IN ALL EXISTING SPACES
13. INSTALL NEW DRINKING FOUNTAIN.
14. INSTALL NEW FLOORING.



NORTH

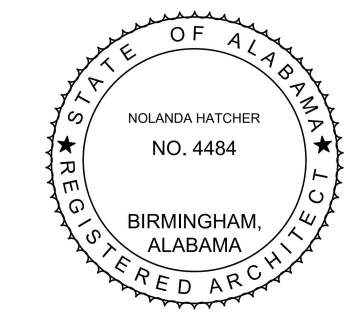
01 FLOOR PLAN
Scale: 0'-1/8"= 1'-0"

BUILDING #1330 TO BE COMPLETED LAST IN THE SHADES VALLEY CONSTRUCTION SEQUENCE.
EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

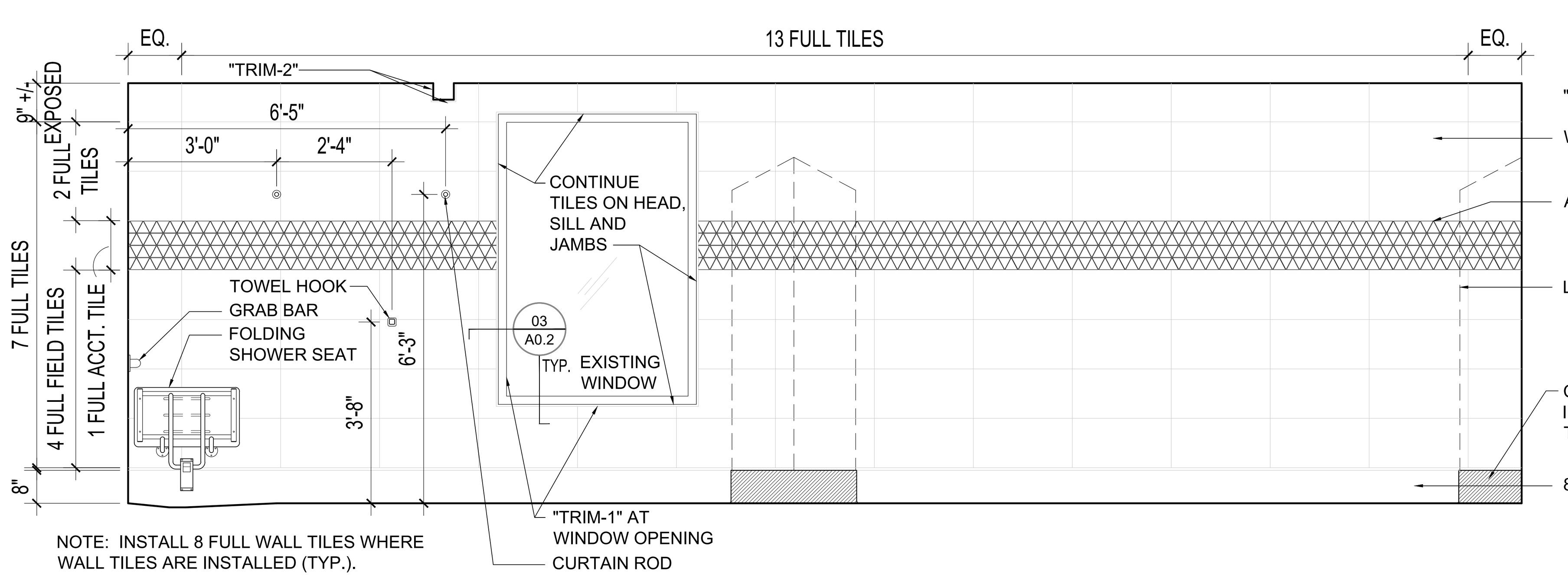
NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING #1296

SHEET TITLE
FLOOR PLAN, ENLARGED RESTROOM PLAN, NOTES AND SCHEDULES

DRAWING NUMBER
A2.1

PROJECT NUMBER
202123



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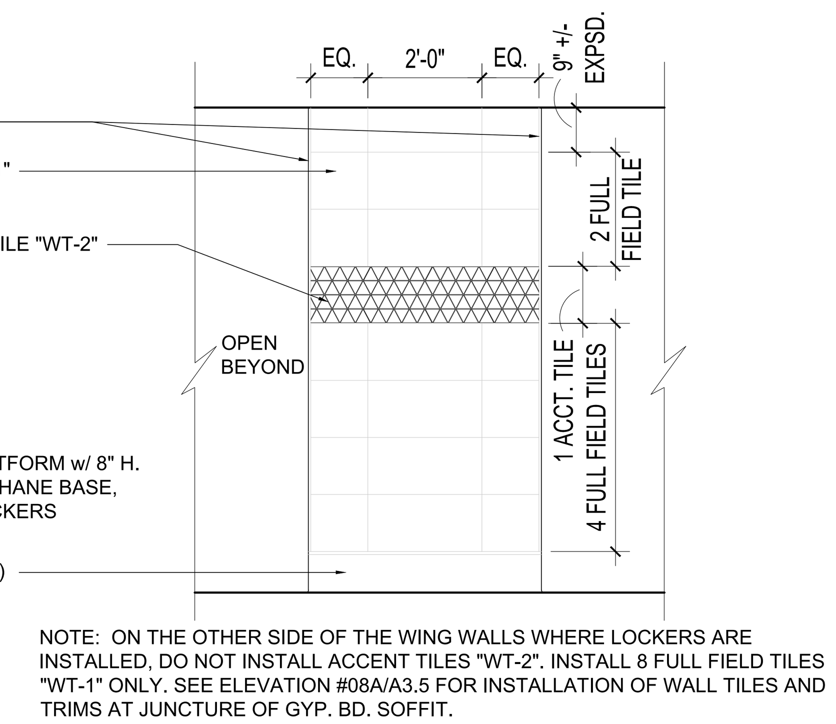

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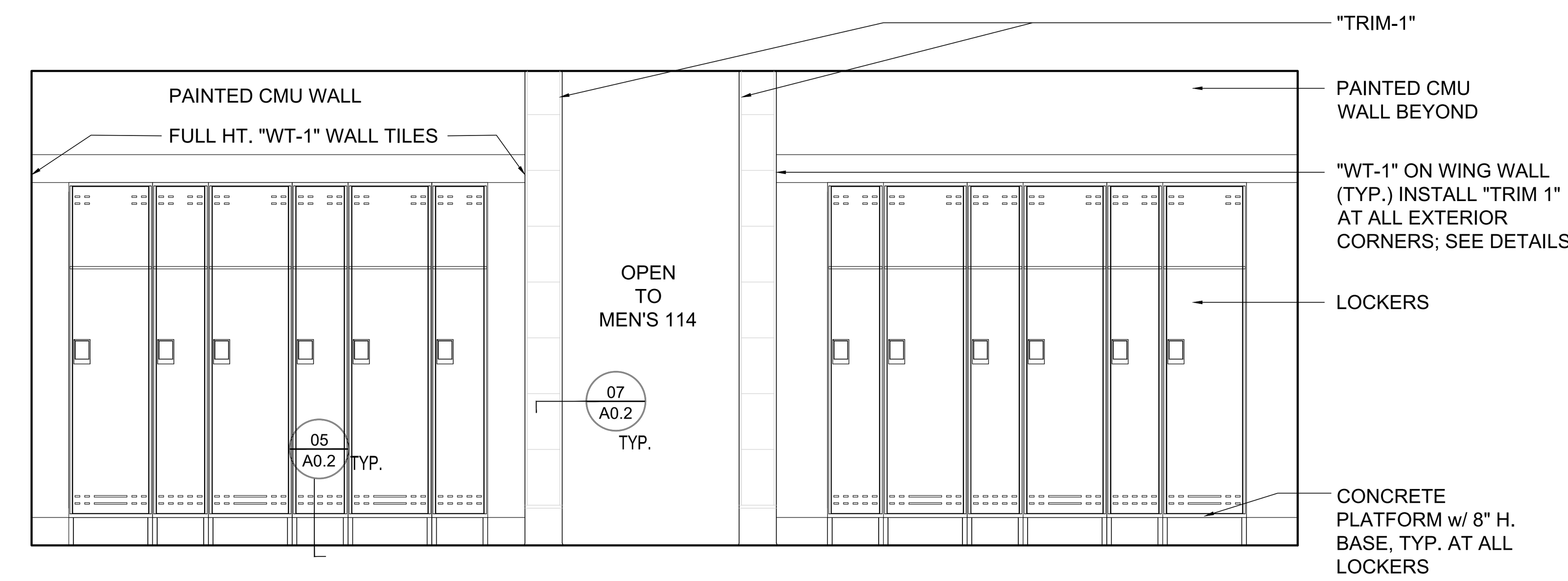

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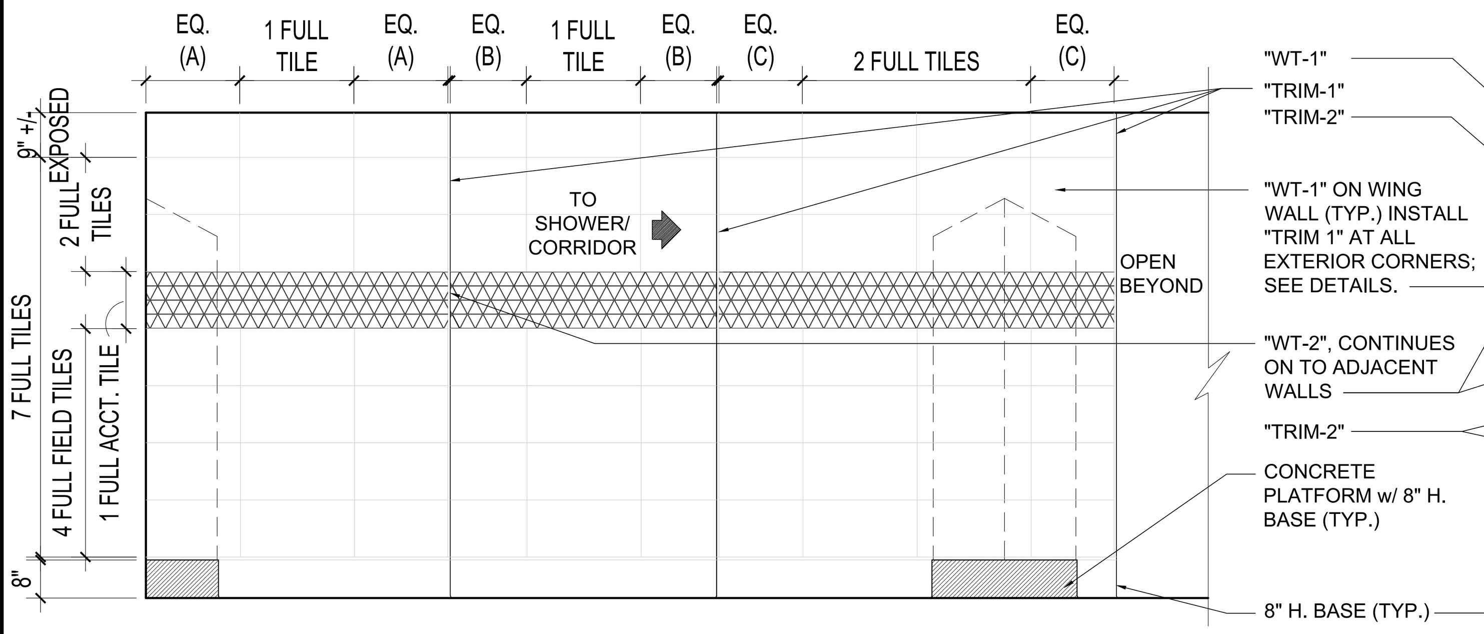

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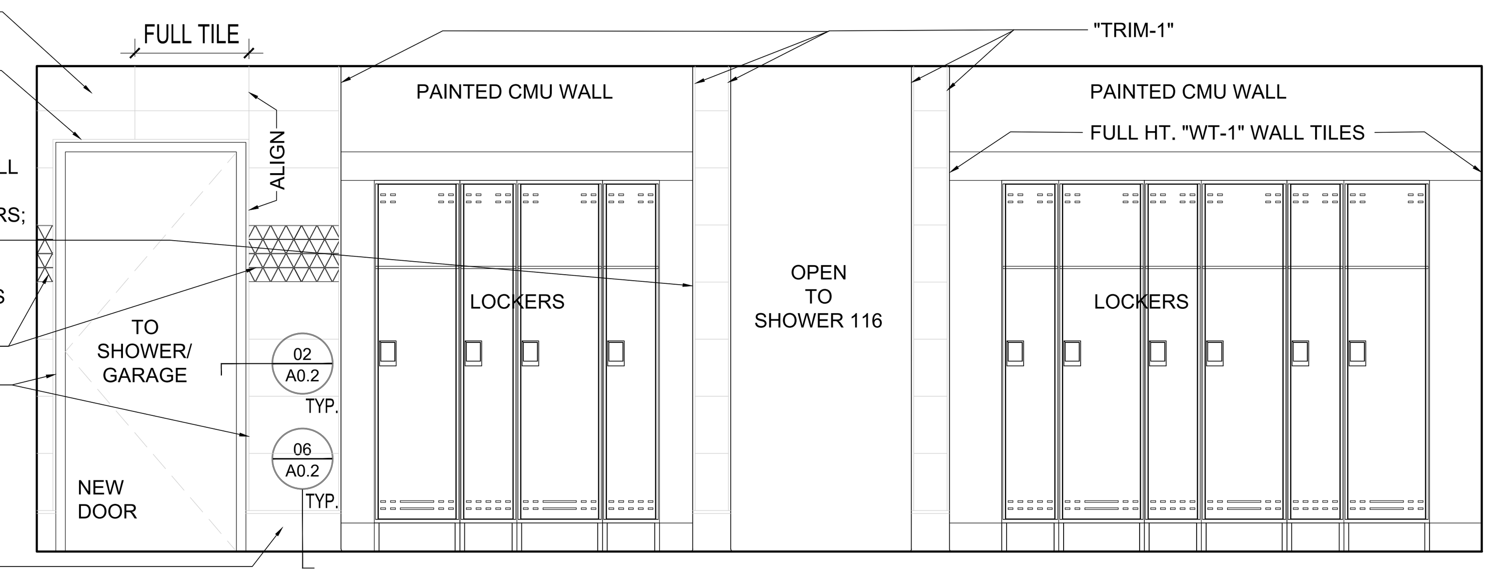

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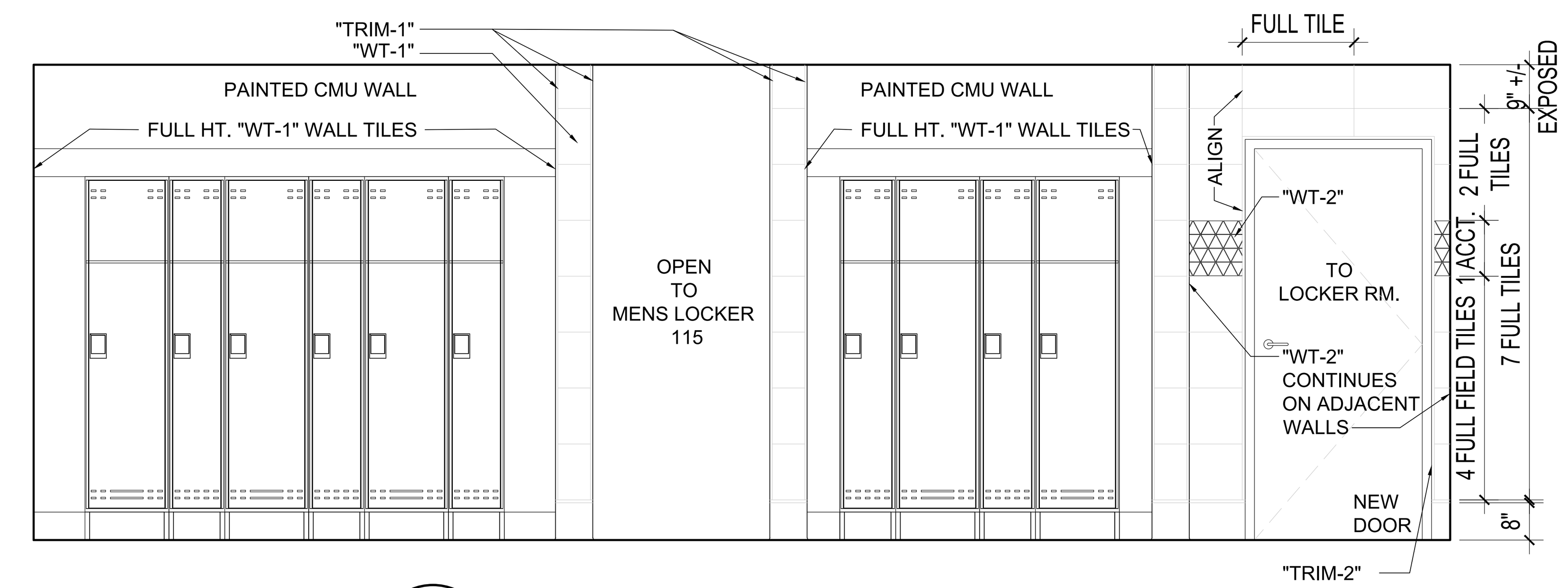

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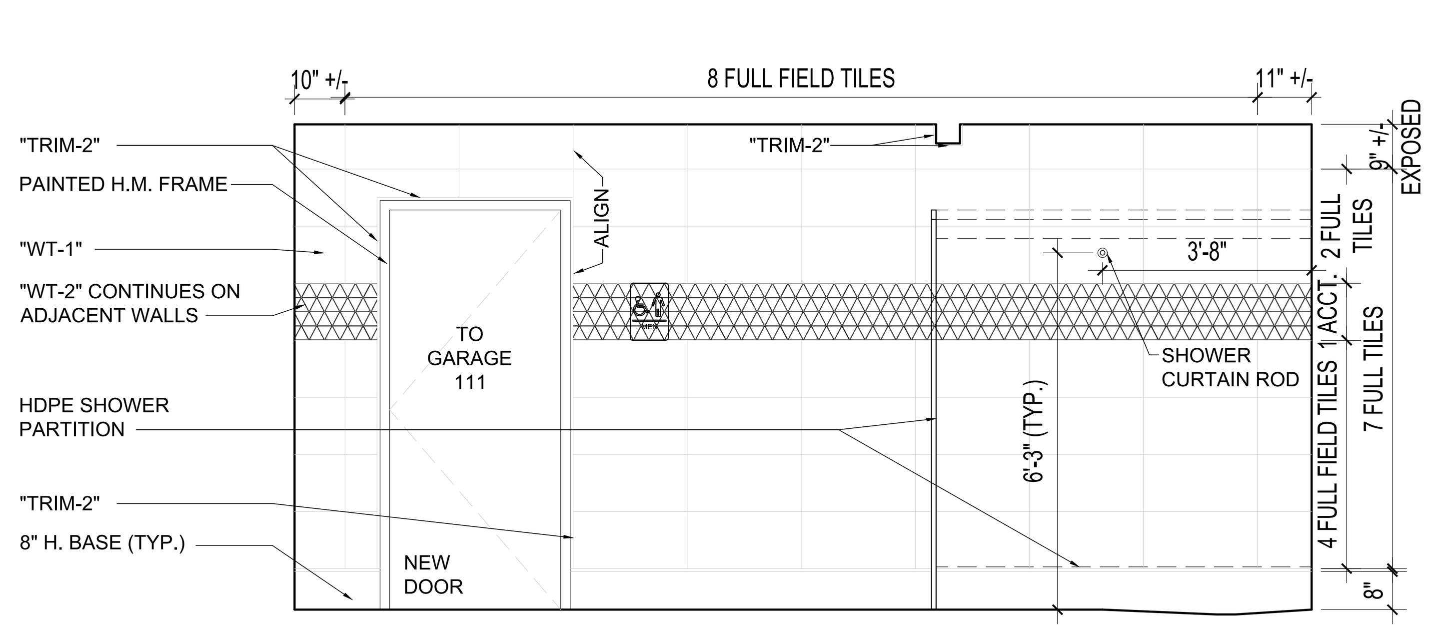

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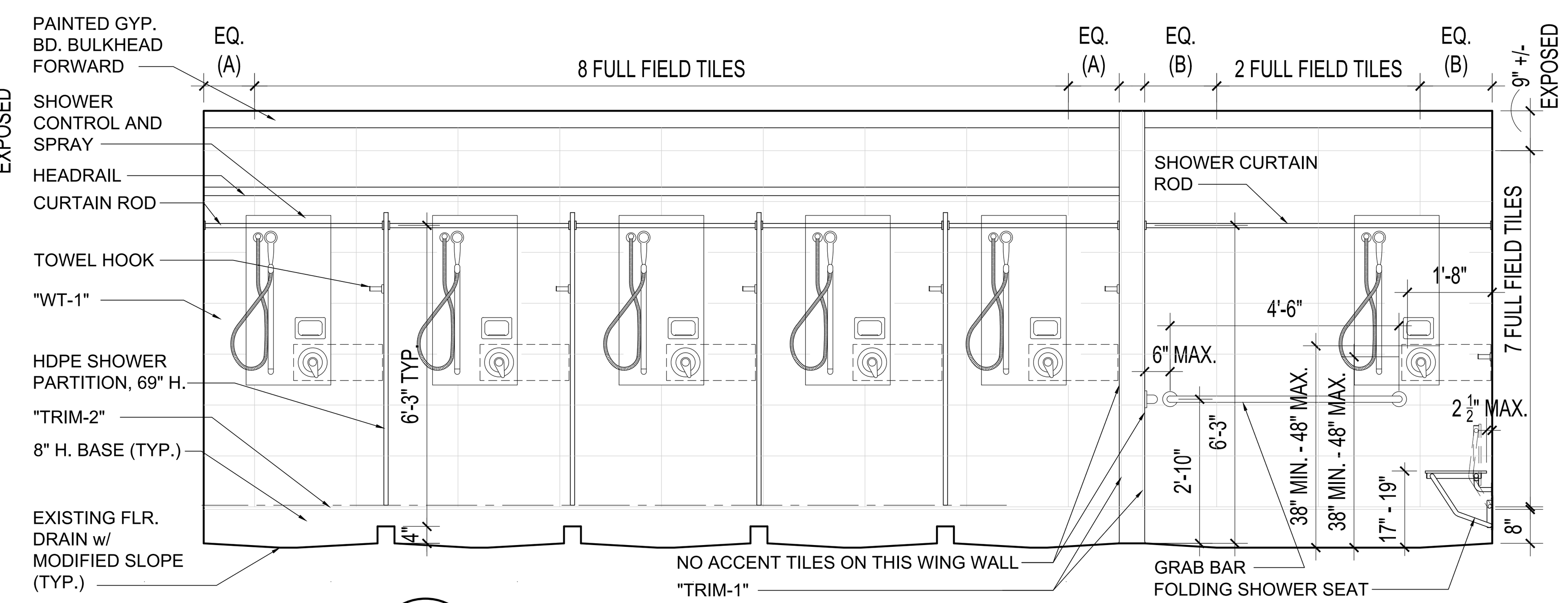

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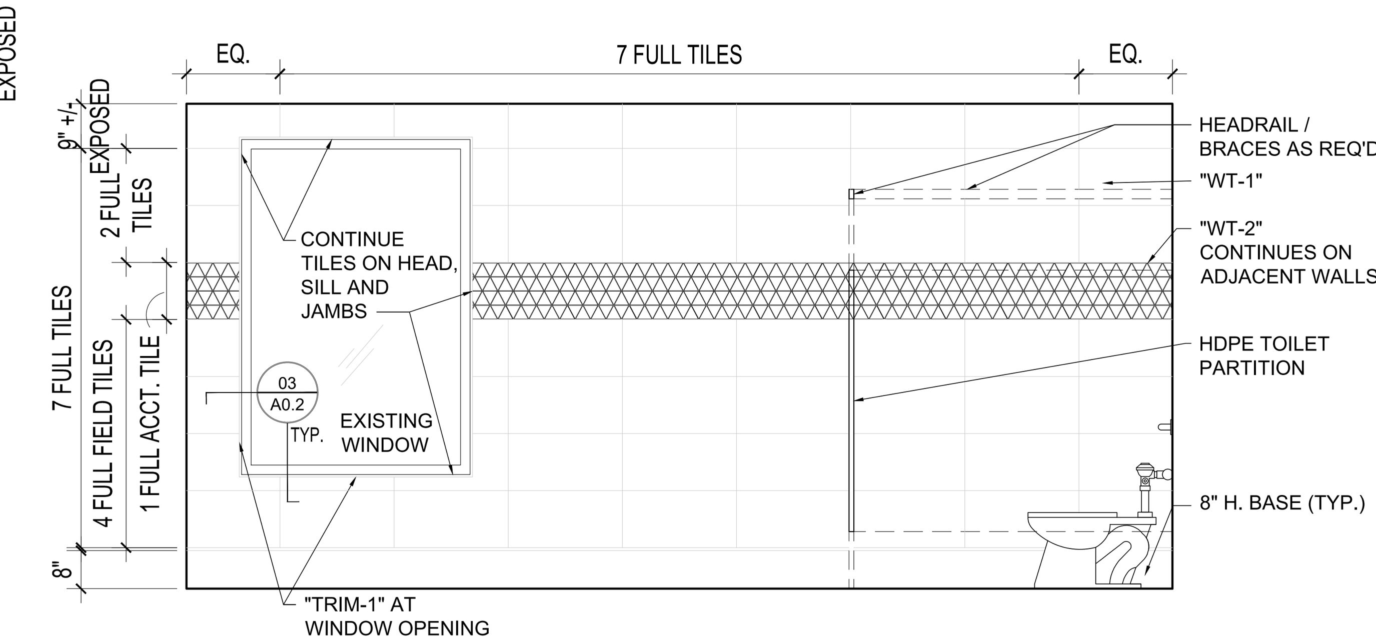

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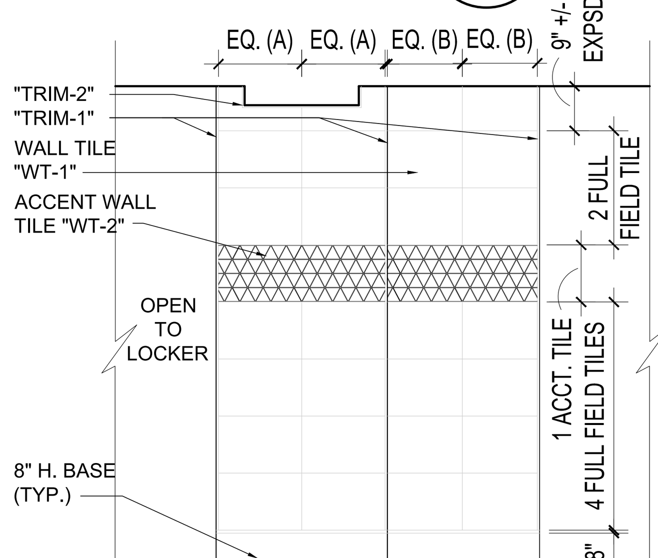

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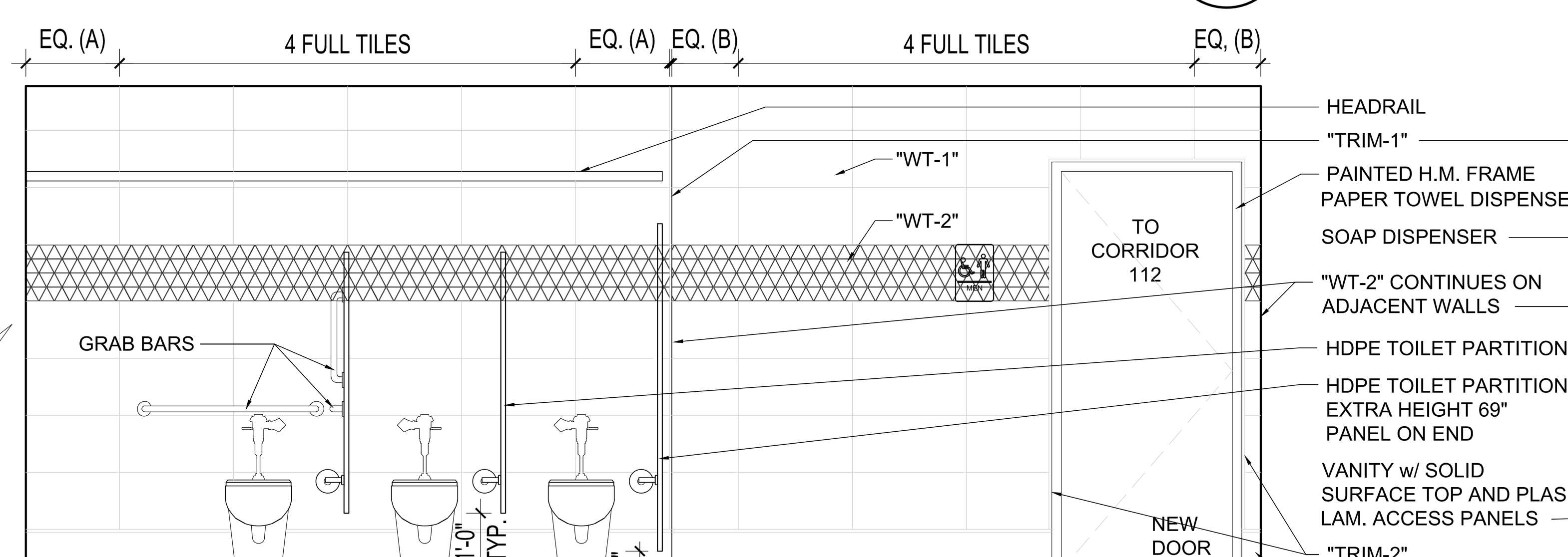

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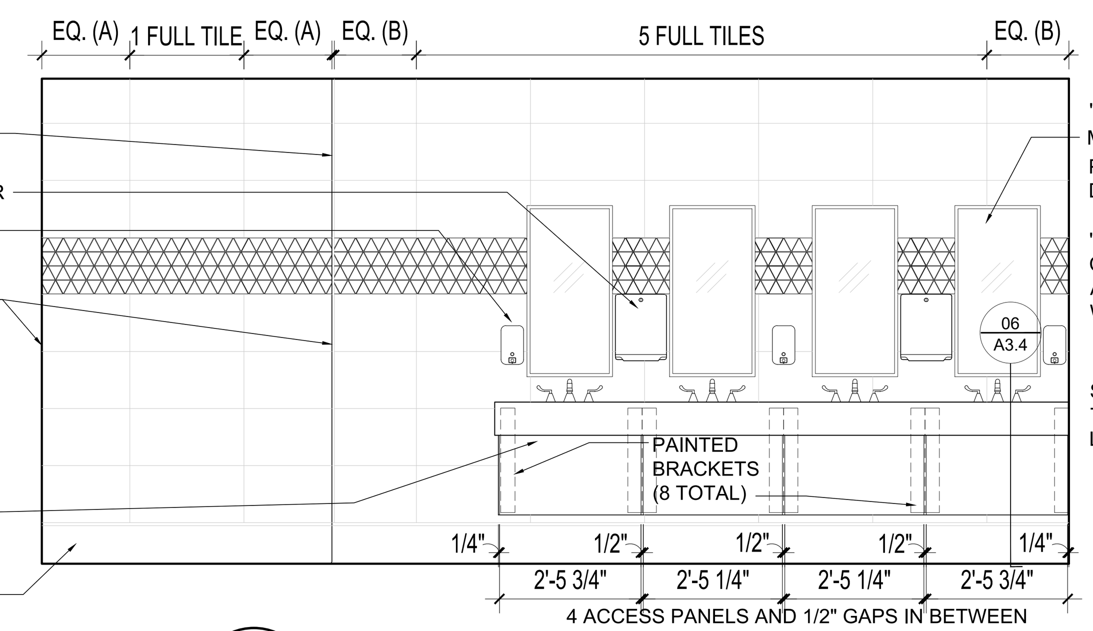

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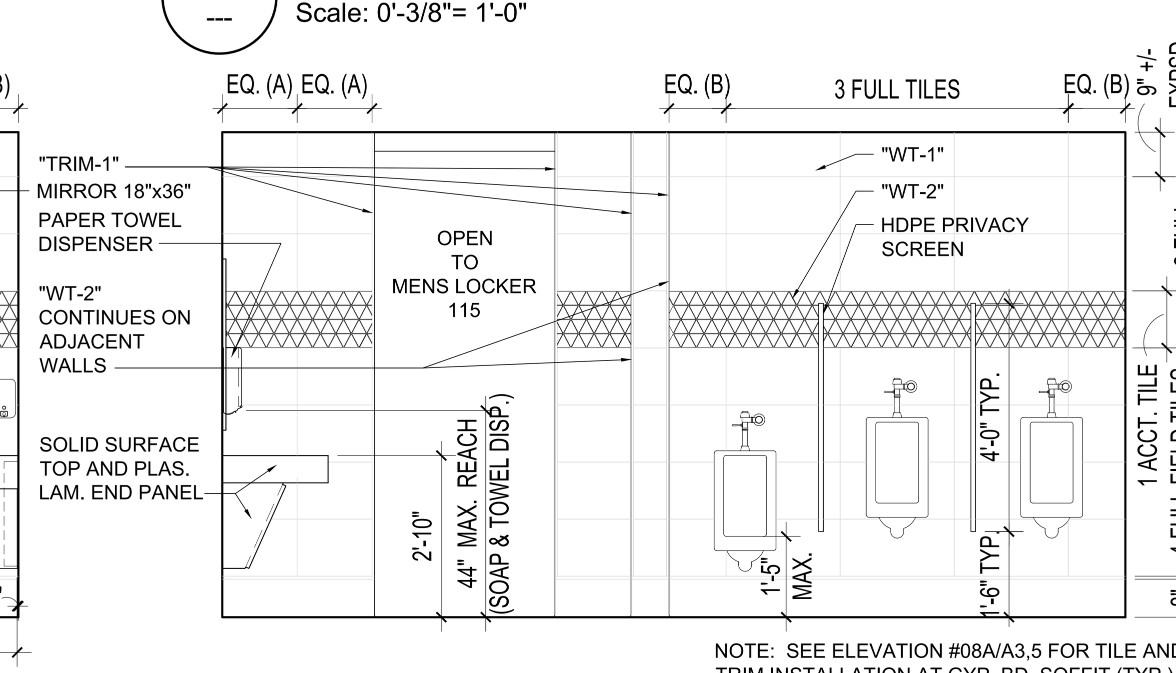

11 INTERIOR ELEVATION
Scale: 0'-3/8"= 1'-0"

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EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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DATE: 03.29.2024
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REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1296

SHEET TITLE

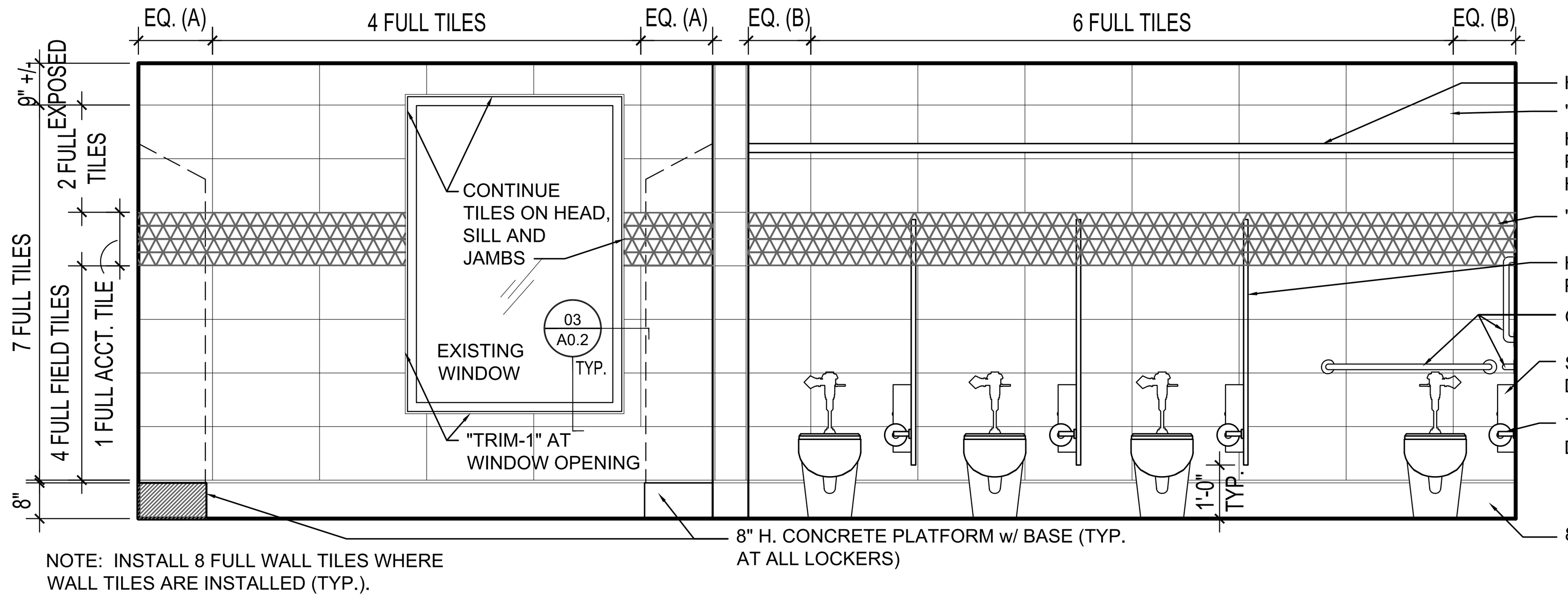
INTERIOR ELEVATIONS

DRAWING NUMBER

A2.2

PROJECT NUMBER

202123



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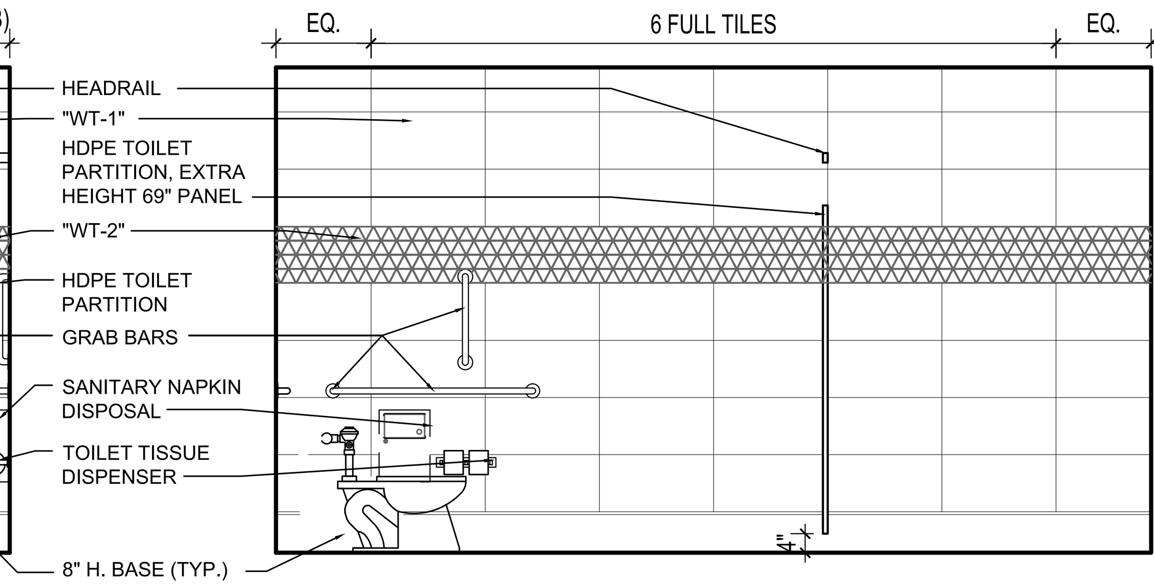

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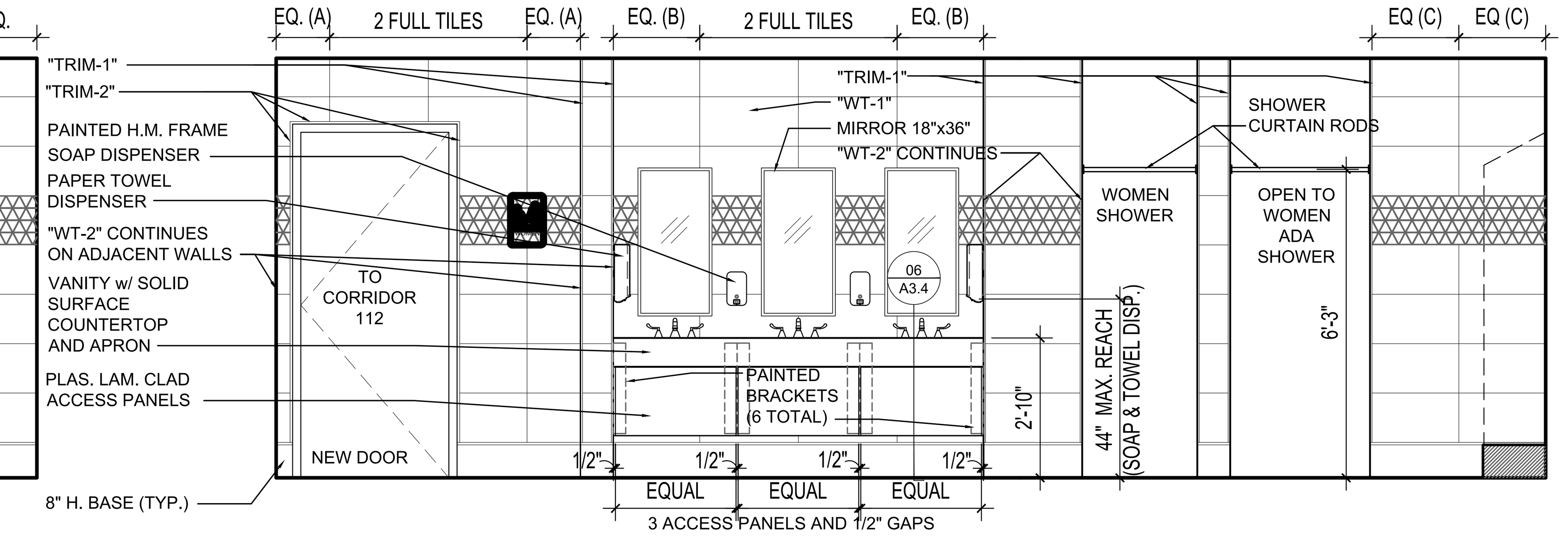

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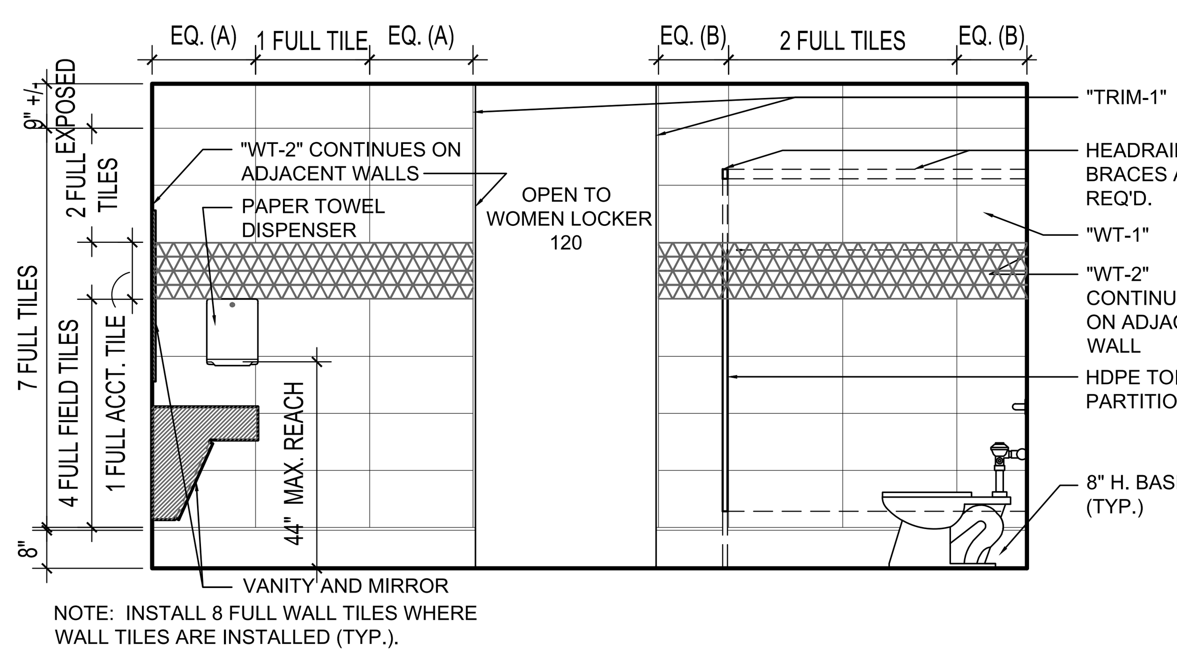

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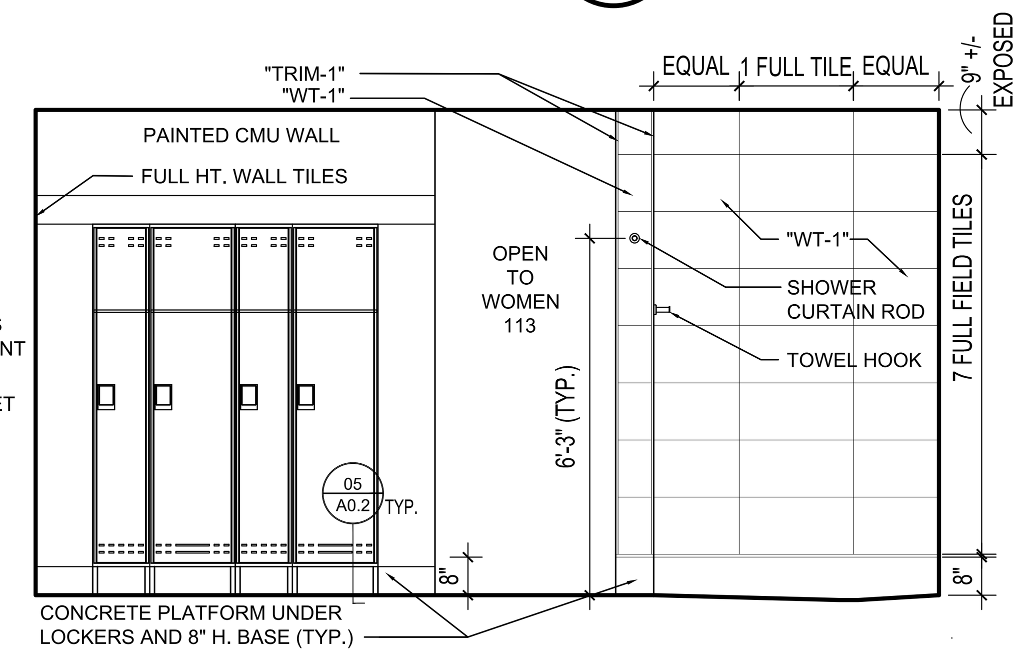

05 INTERIOR ELEVATION
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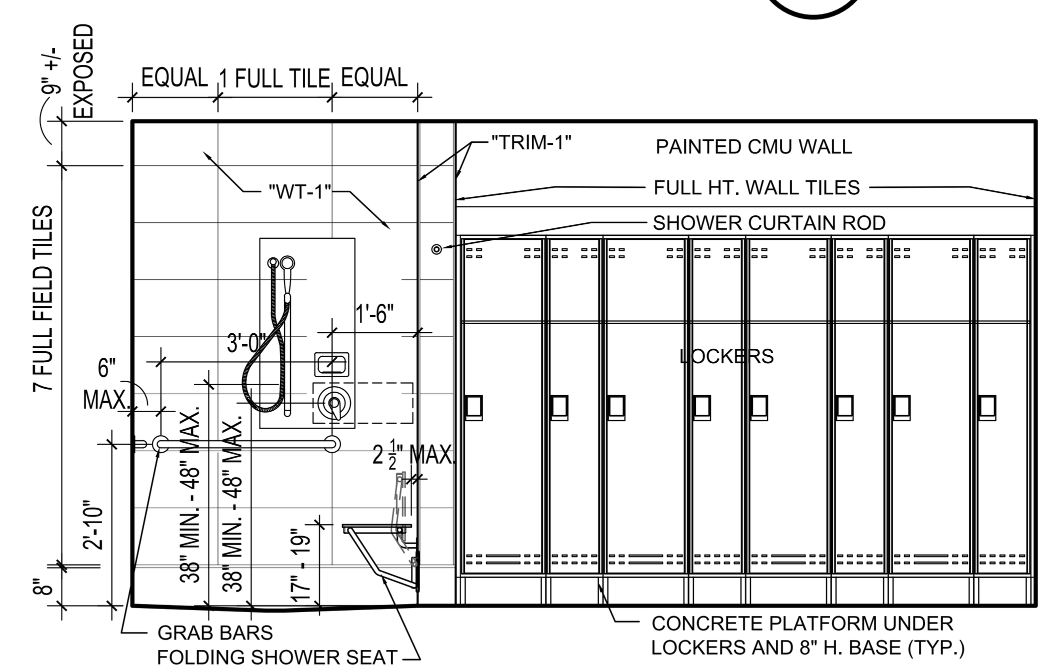

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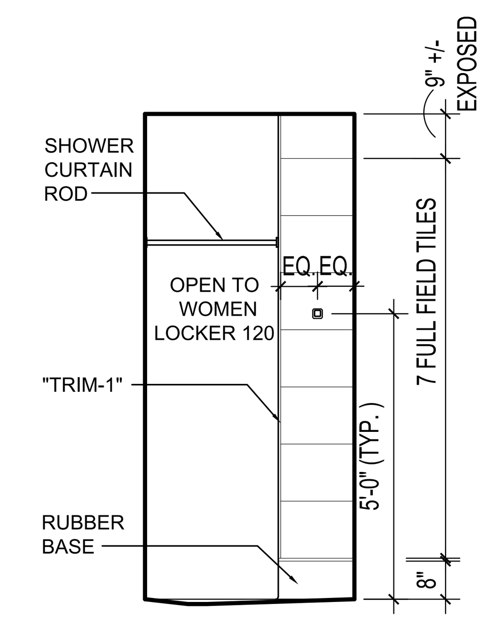
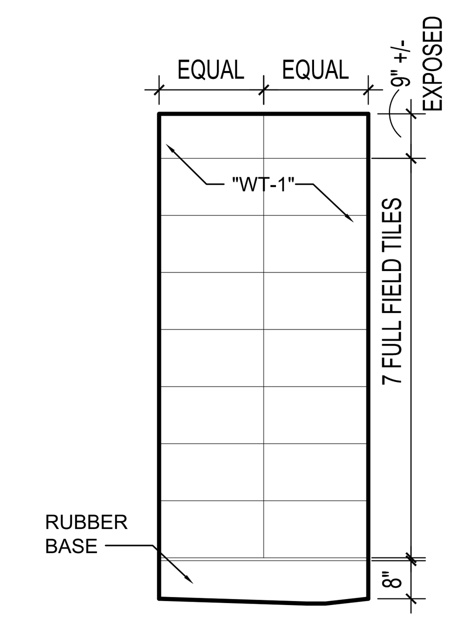
Scale: 0'-3/8"= 1'-0"



06 INTERIOR ELEVATION
Scale: 0'-3/8"= 1'-0"



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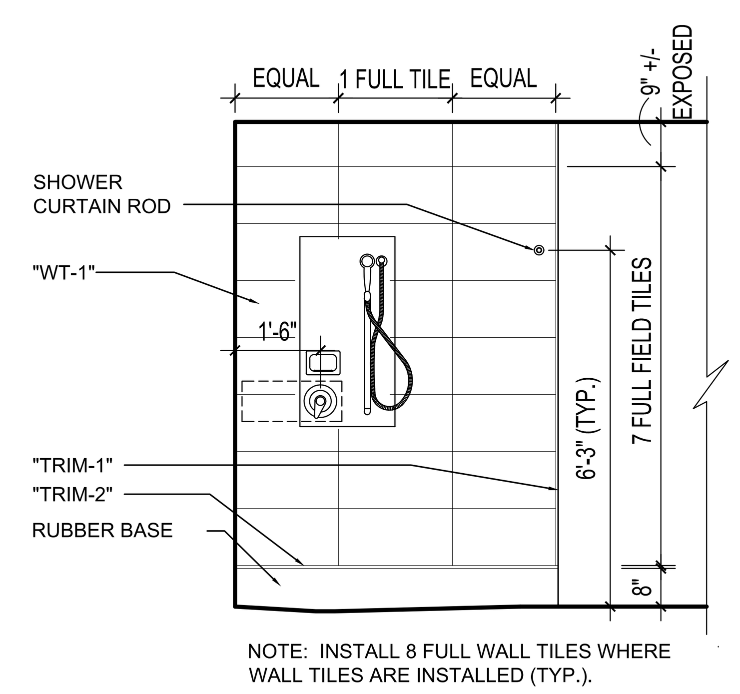
Scale: 0'-3/8"= 1'-0"



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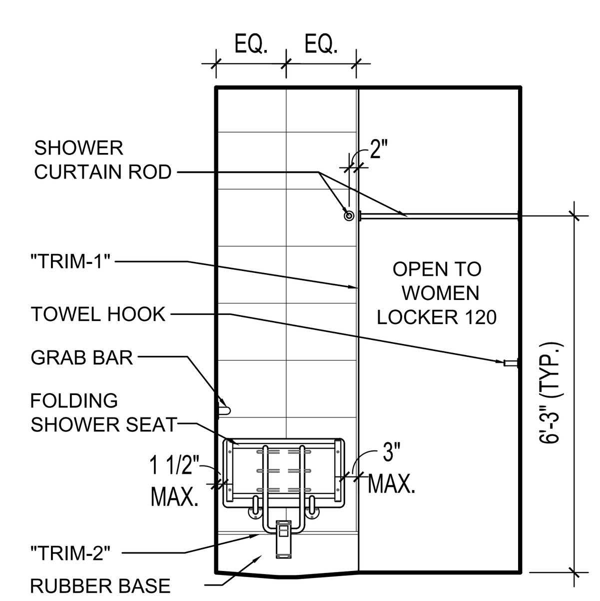
Scale: 0'-3/8"= 1'-0"



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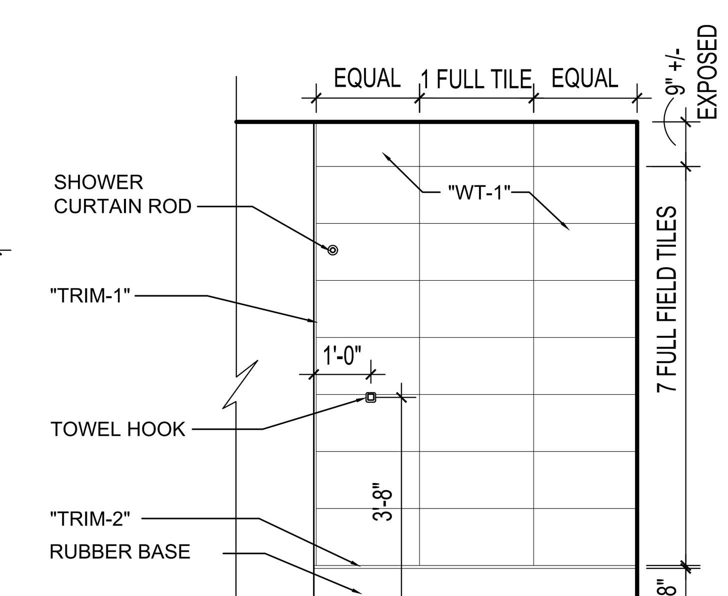
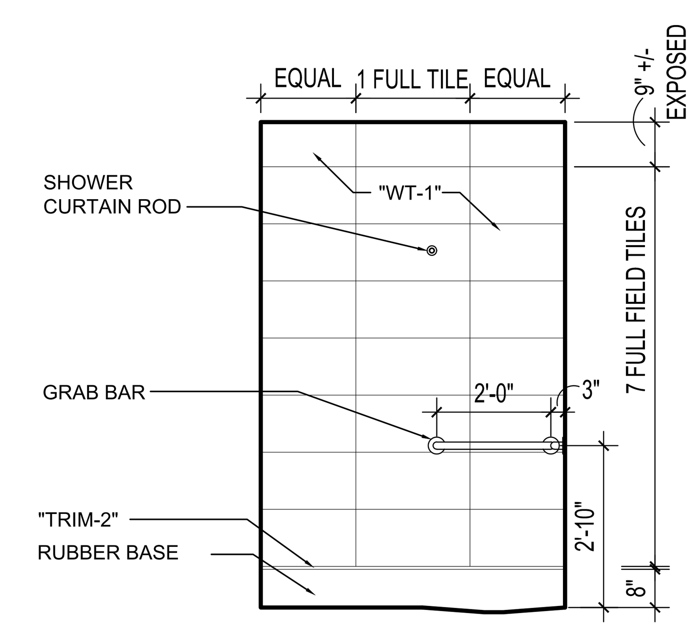
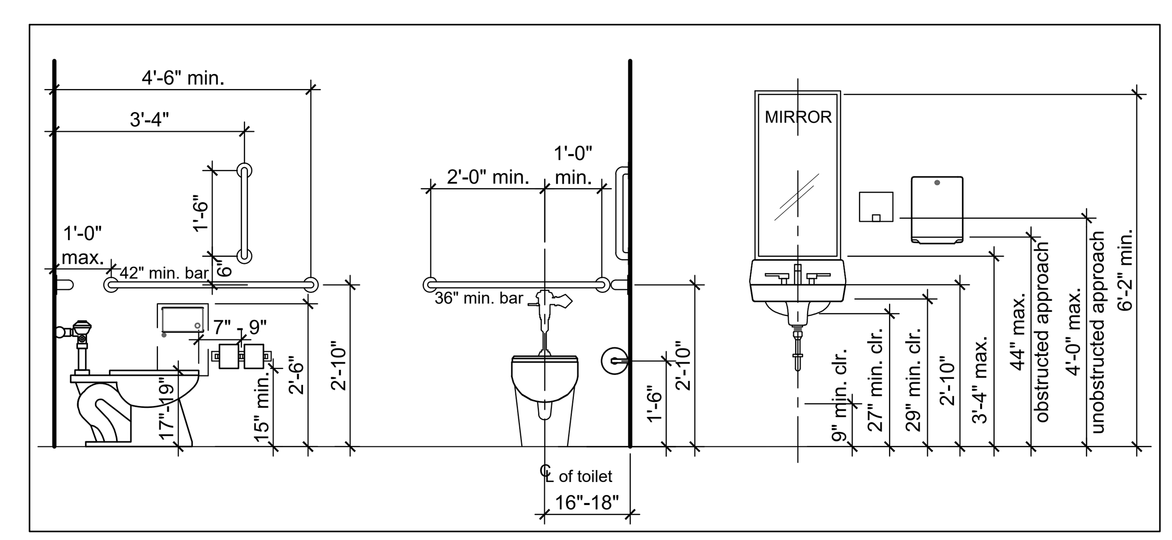
Scale: 0'-3/8"= 1'-0"



11 INTERIOR ELEVATION
Scale: 0'-3/8"= 1'-0"



12 INTERIOR ELEVATION
Scale: 0'-3/8"= 1'-0"



TYPICAL ADA MOUNTING HEIGHT

BUILDING #1330 TO BE COMPLETED LAST IN THE SHADES VALLEY CONSTRUCTION SEQUENCE.
EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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NOT FOR CONSTRUCTION
RELEASED FOR CONSTRUCTION

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

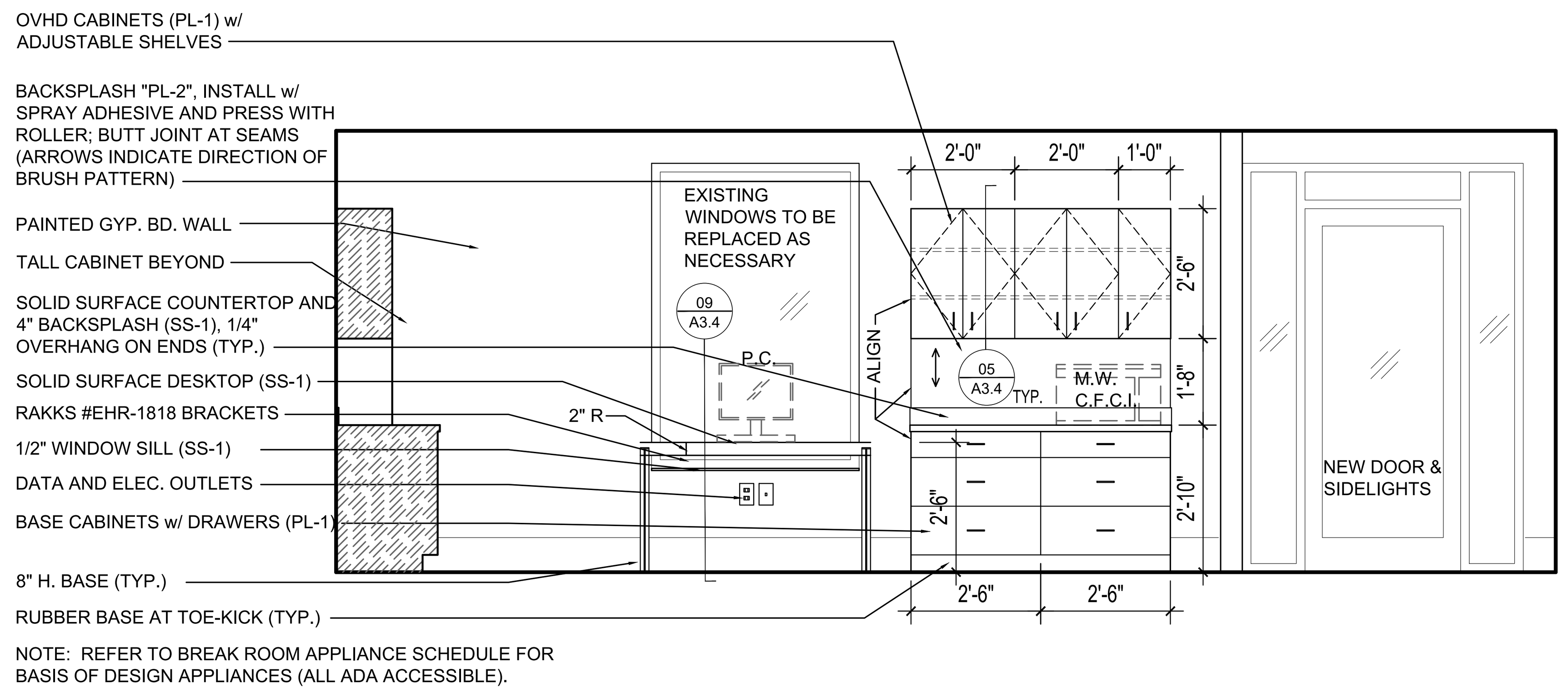
LOCATION
SHADES VALLEY BUILDING #1296

SHEET TITLE
INTERIOR ELEVATIONS

DRAWING NUMBER
A2.3

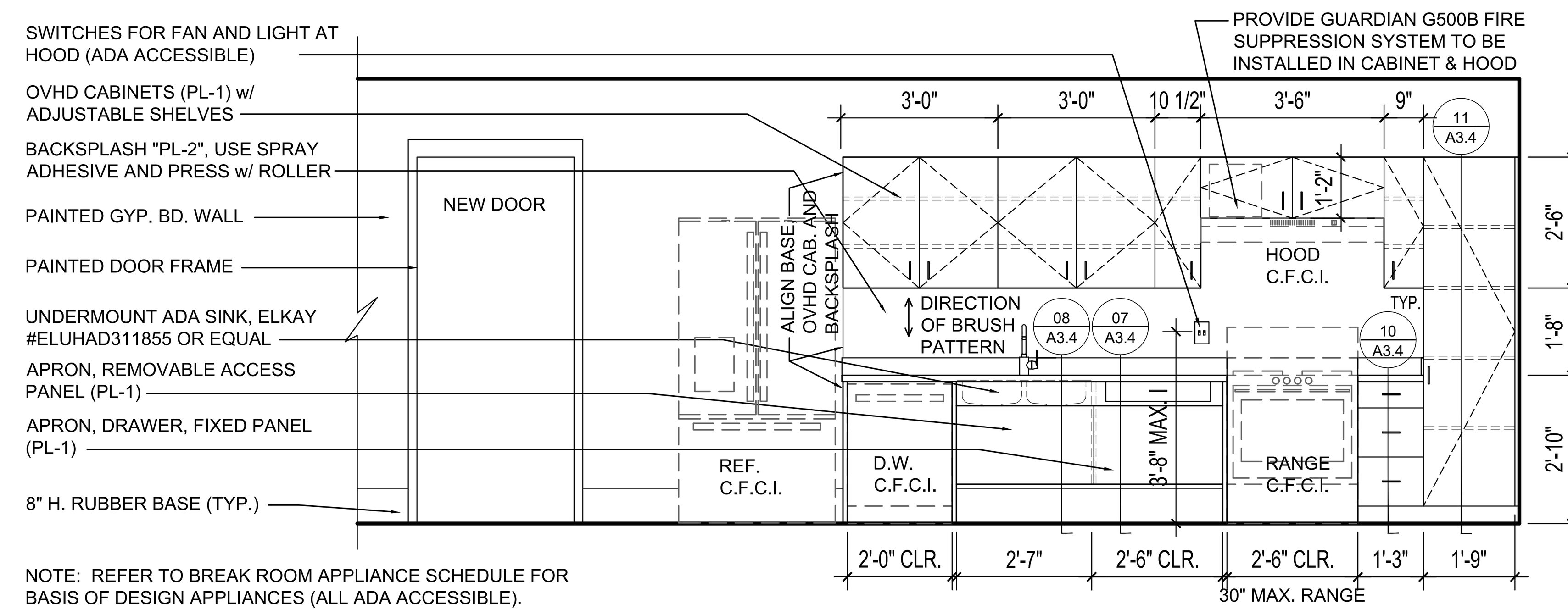
PROJECT NUMBER
202123

1 2 3 4 5 6 7 8



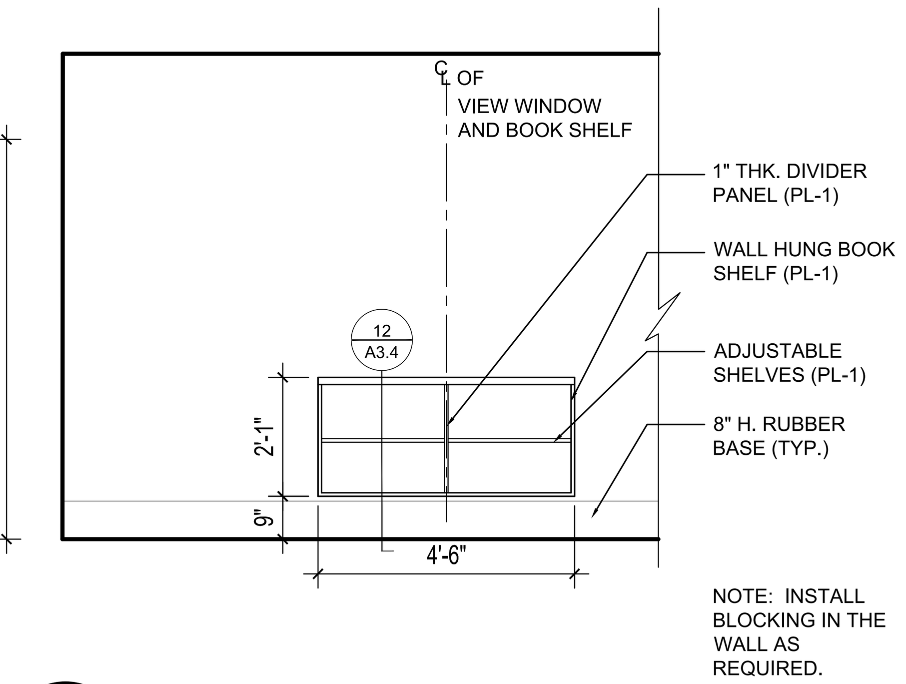
NOTE: REFER TO BREAK ROOM APPLIANCE SCHEDULE FOR BASIS OF DESIGN APPLIANCES (ALL ADA ACCESSIBLE).

02 INTERIOR ELEVATION
Scale: 0'-1/8"= 1'-0"



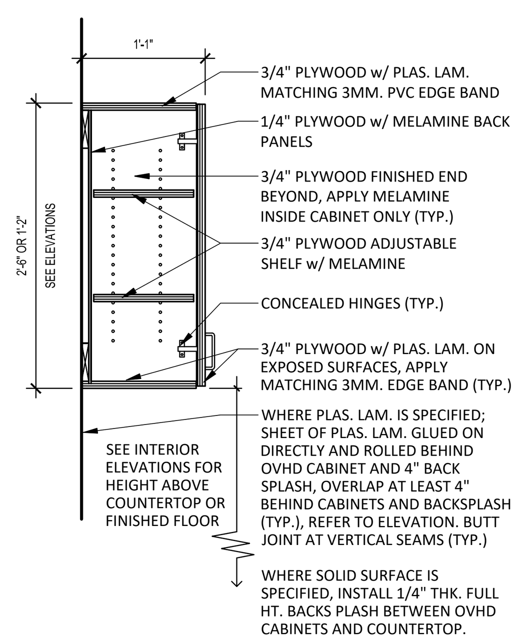
NOTE: REFER TO BREAK ROOM APPLIANCE SCHEDULE FOR BASIS OF DESIGN APPLIANCES (ALL ADA ACCESSIBLE).

03 INTERIOR ELEVATION
Scale: 0'-1/8"= 1'-0"

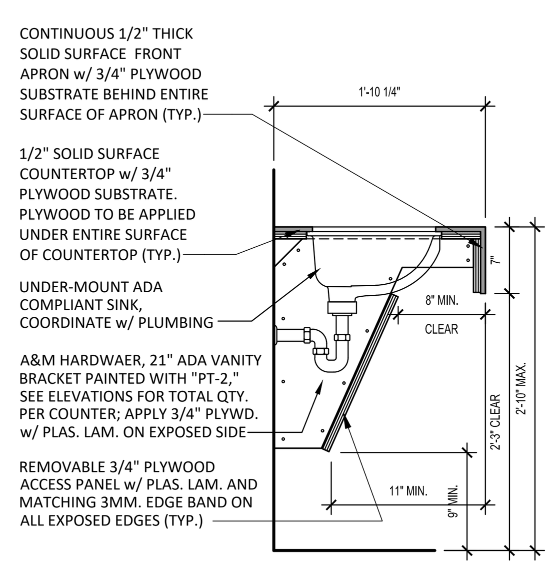


NOTE: INSTALL BLOCKING IN THE WALL AS REQUIRED.

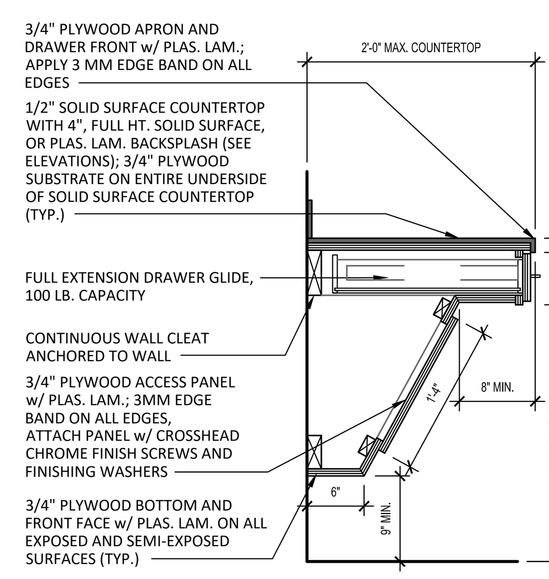
04 INTERIOR ELEVATION
Scale: 0'-1/8"= 1'-0"



05 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"



06 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"



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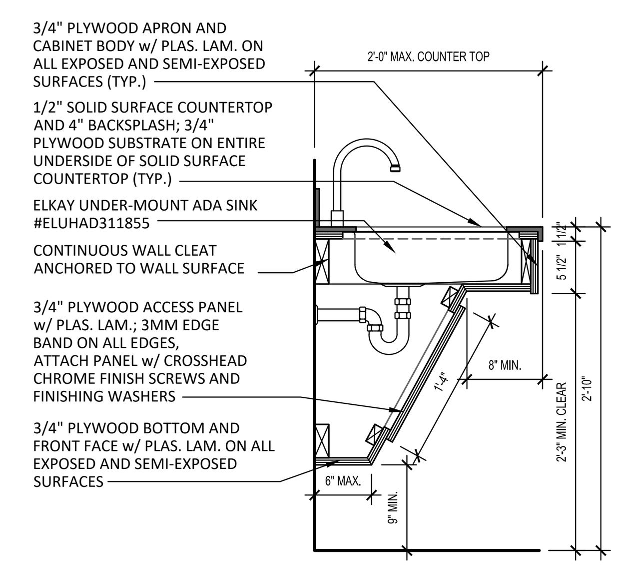
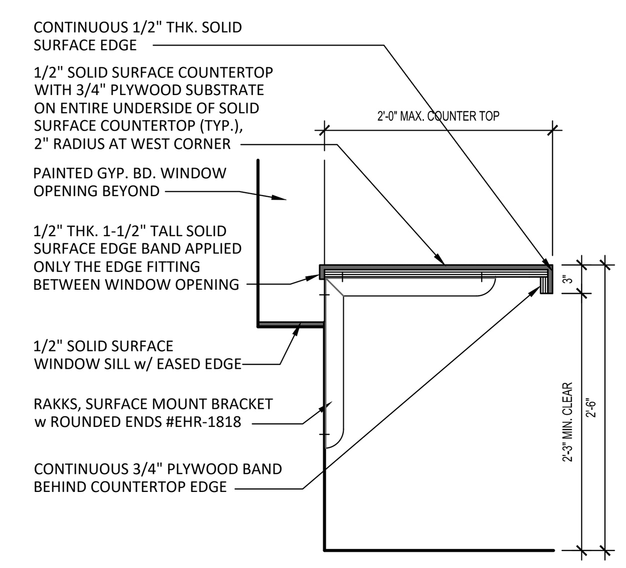


08 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"



09 CASE WORK SECTION
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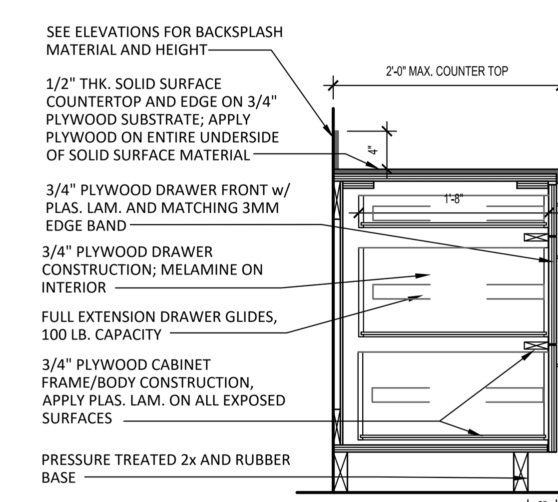


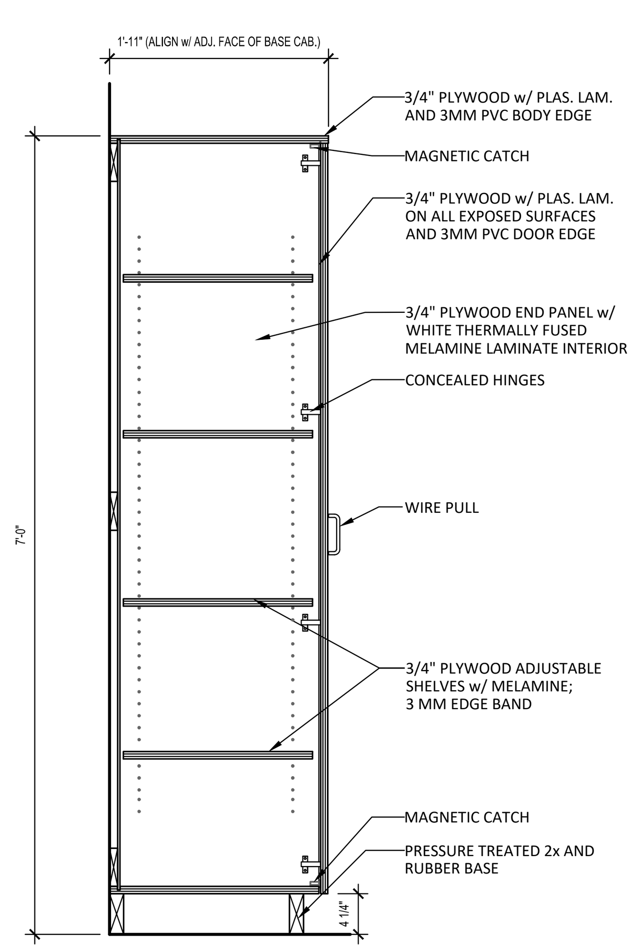
10 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"

REFLECTED CEILING PLAN NOTES

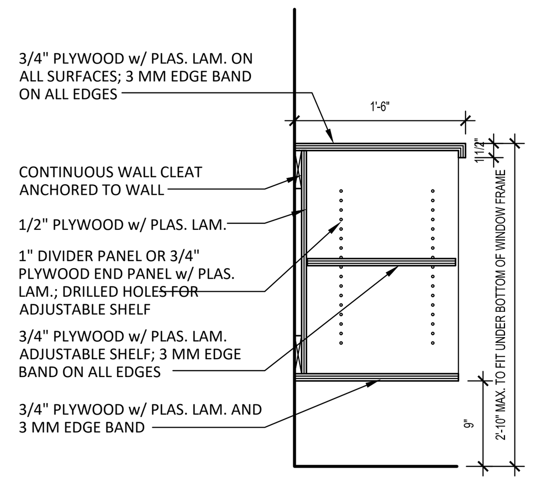
1. NEW CEILING GRID AND NEW CEILING TILES IN ALL ROOMS. EXISTING LIGHT FIXTURES TO REMAIN UNLESS NOTED OTHERWISE. NEW CEILING GRID TO MATCH EXISTING GRID LAYOUT. LIGHTING AND MECHANICAL GRILLES TO BE LOCATED IN EXISTING LOCATIONS TO MINIMIZE WORK.
2. IN CORRIDOR 112, SUPERVISOR'S OFFICE 103, RECORDS ROOM 107, OFFICES 1, 2, 3 AND 4, INSTALL NEW LIGHT FIXTURES AT THE SAME LOCATION AS THEY WERE ORIGINALLY LOCATED. INSTALL MECHANICAL GRILLES CLOSE TO WHERE THEY WERE LOCATED TO MINIMIZE DUCT WORK.
3. IN BREAKROOM 110 AND PASSAGE 108, INSTALL NEW MECHANICAL GRILLES WHERE THEY WERE ORIGINALLY LOCATED.
4. AT GYP. BD. SOFFIT IN MEN'S LOCKER, SHOWER, AND TOILET, PAINT VERTICAL AND HORIZONTAL SURFACE WITH "PT-2".

RCP LEGEND

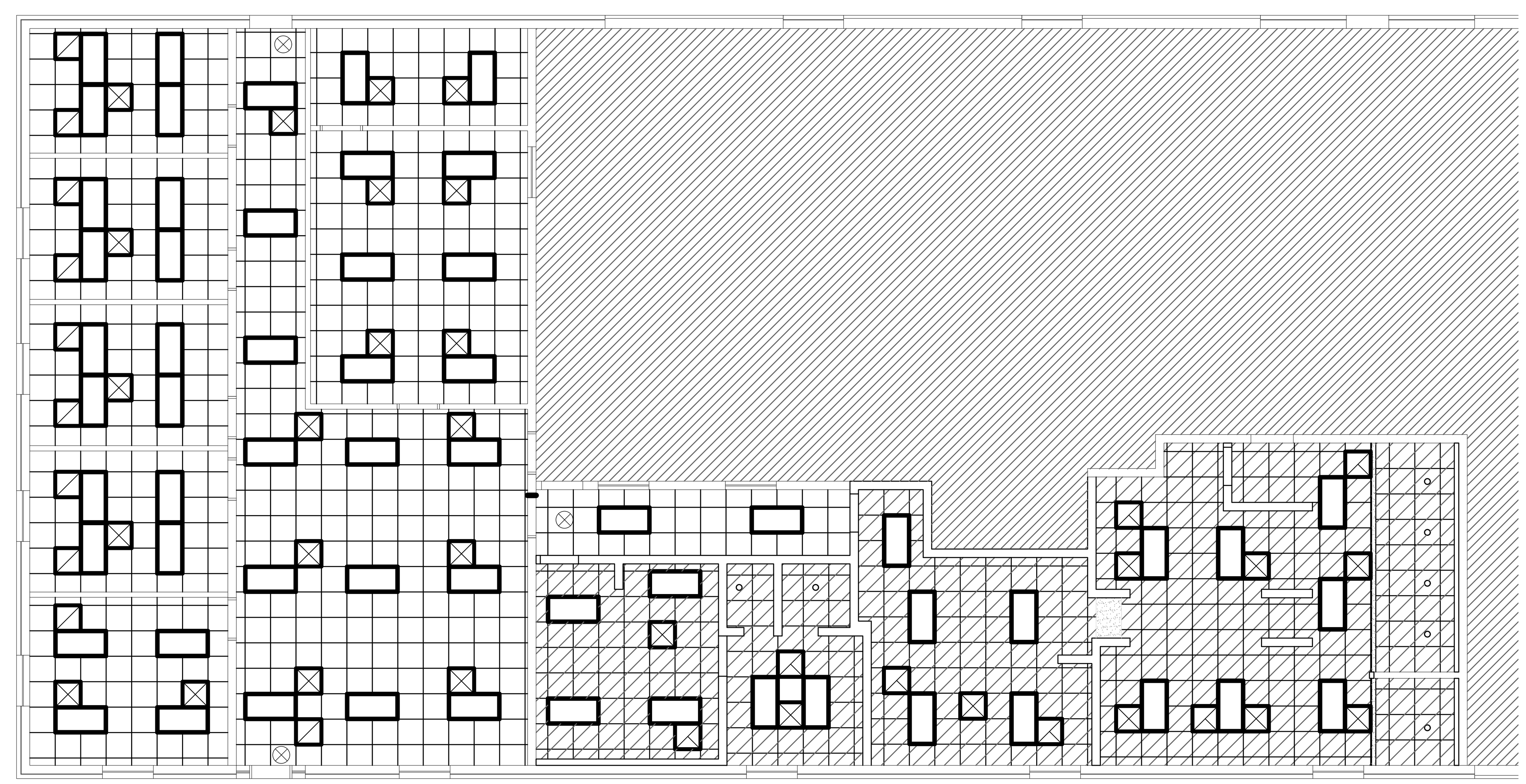
- NEW 2X2 LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- NEW 2X2 VINYL-COVERED LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- GYP BD SOFFIT: ⅝" GYP BD ON 3⅝" METAL FRAMING
- NEW 2X4 LIGHT FIXTURE
- NEW EXIT LIGHT
- NEW SUPPLY GRILLE
- NEW RETURN GRILLE
- NEW EXHAUST GRILLE
- 8'-6" CEILING HEIGHT ABOVE FINISH FLOOR



11 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"



12 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"



01 REFLECTED CEILING PLAN
Scale: 0'-1/8"= 1'-0"

NORTH

BUILDING #1330 TO BE COMPLETED LAST IN THE SHADES VALLEY CONSTRUCTION SEQUENCE.
EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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NOT FOR CONSTRUCTION ☒
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

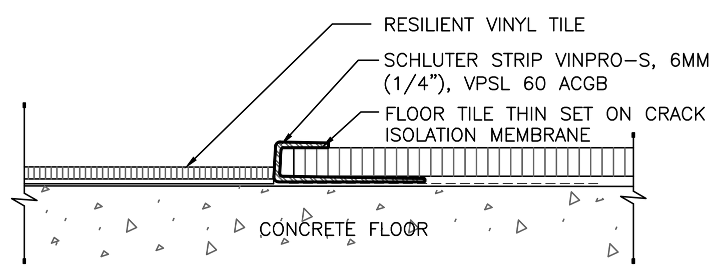
JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1296

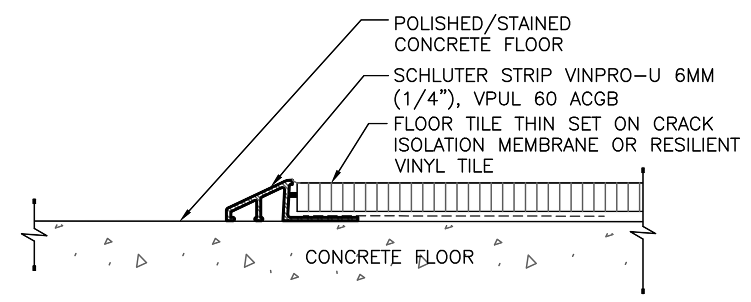
SHEET TITLE
REFLECTED CEILING PLAN & INTERIOR ELEVATIONS

DRAWING NUMBER
A2.4

PROJECT NUMBER
202123



03 DETAIL @ RESILIENT VINYL TILE/ TILE
Scale: N.T.S.



02 DETAIL @ CONCRETE/ TILE
Scale: N.T.S.

GENERAL NOTES - FINISH PLAN:

1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

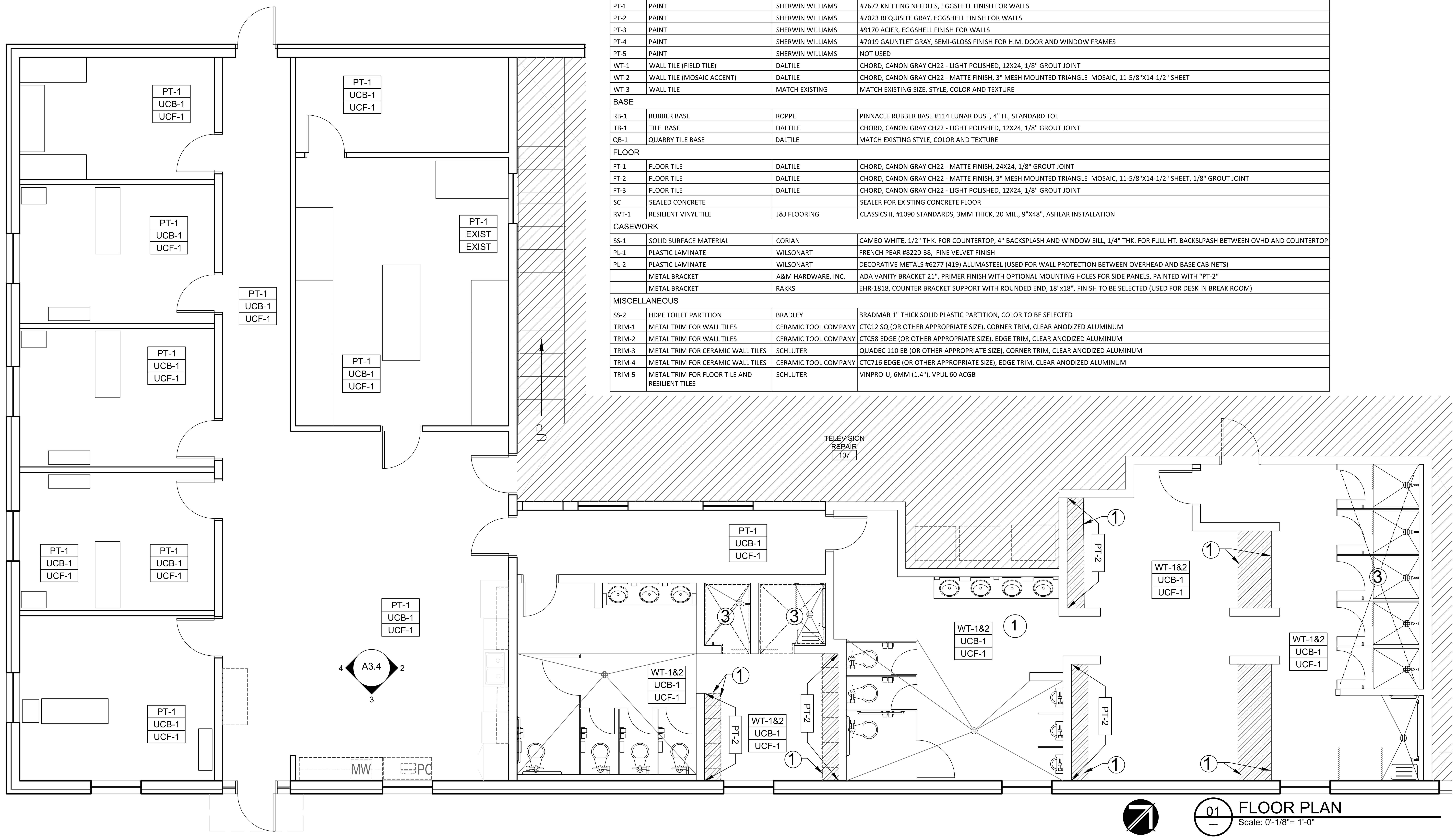
1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "???" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.
3. NOT USED
4. INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY MANUFACTURER'S FULL RANGE.
5. REPLACE DAMAGED WALL TILES WITH NEW AS REQUIRED.

FINISH LEGEND

WALL
BASE FINISH SYMBOL
FLOOR
ACCENT FINISH
KEYED FINISH NOTES
TRANSITION OF FLOOR MATERIAL
SHEET

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	NOT USED
WT-1	WALL TILE (FIELD TILE)	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET
WT-3	WALL TILE	MATCH EXISTING	MATCH EXISTING SIZE, STYLE, COLOR AND TEXTURE
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
QB-1	QUARRY TILE BASE	DALTILE	MATCH EXISTING STYLE, COLOR AND TEXTURE
FLOOR			
FT-1	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 24X24, 1/8" GROUT JOINT
FT-2	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET, 1/8" GROUT JOINT
FT-3	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
SC	SEALED CONCRETE		SEALER FOR EXISTING CONCRETE FLOOR
RVT-1	RESILIENT VINYL TILE	J&J FLOORING	CLASSICS II, #1090 STANDARDS, 3MM THICK, 20 MIL., 9"X48", ASHLAR INSTALLATION
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	BRADMAR 1" THICK SOLID PLASTIC PARTITION, COLOR TO BE SELECTED
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC12 SQ (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC58 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	QUADEC 110 EB (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-4	METAL TRIM FOR CERAMIC WALL TILES	CERAMIC TOOL COMPANY	CTC716 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-5	METAL TRIM FOR FLOOR TILE AND RESILIENT TILES	SCHLUTER	VINPRO-U, 6MM (1.4"), VPUL 60 ACGB



NORTH

01 FLOOR PLAN
Scale: 0'-1/8"= 1'-0"

BUILDING #1330 TO BE COMPLETED LAST IN THE SHADES VALLEY CONSTRUCTION SEQUENCE.
EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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NOT FOR CONSTRUCTION ☒
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1296

SHEET TITLE
FINISH PLAN, SCHEDULE, & NOTES

DRAWING NUMBER
A2.5

PROJECT NUMBER
202123

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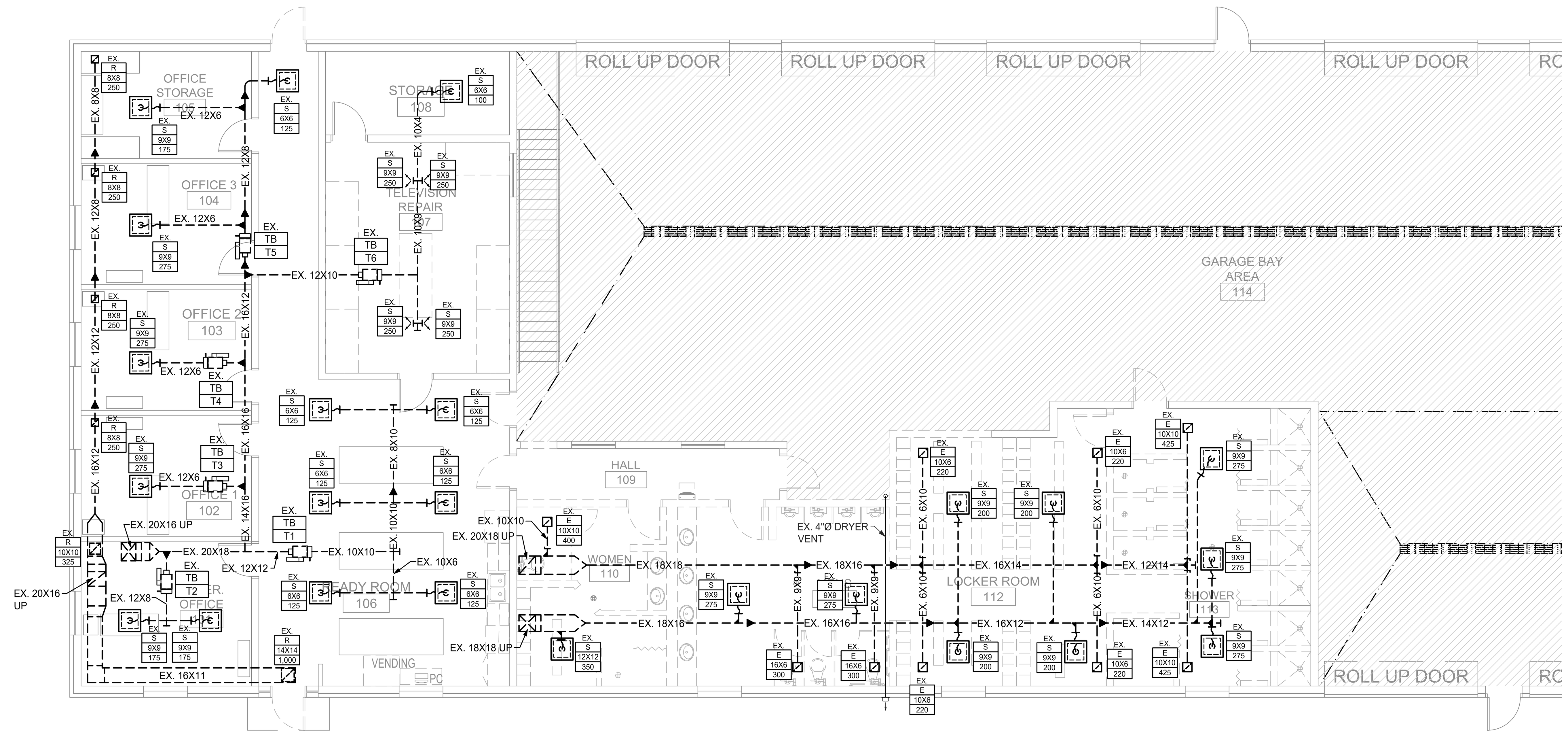
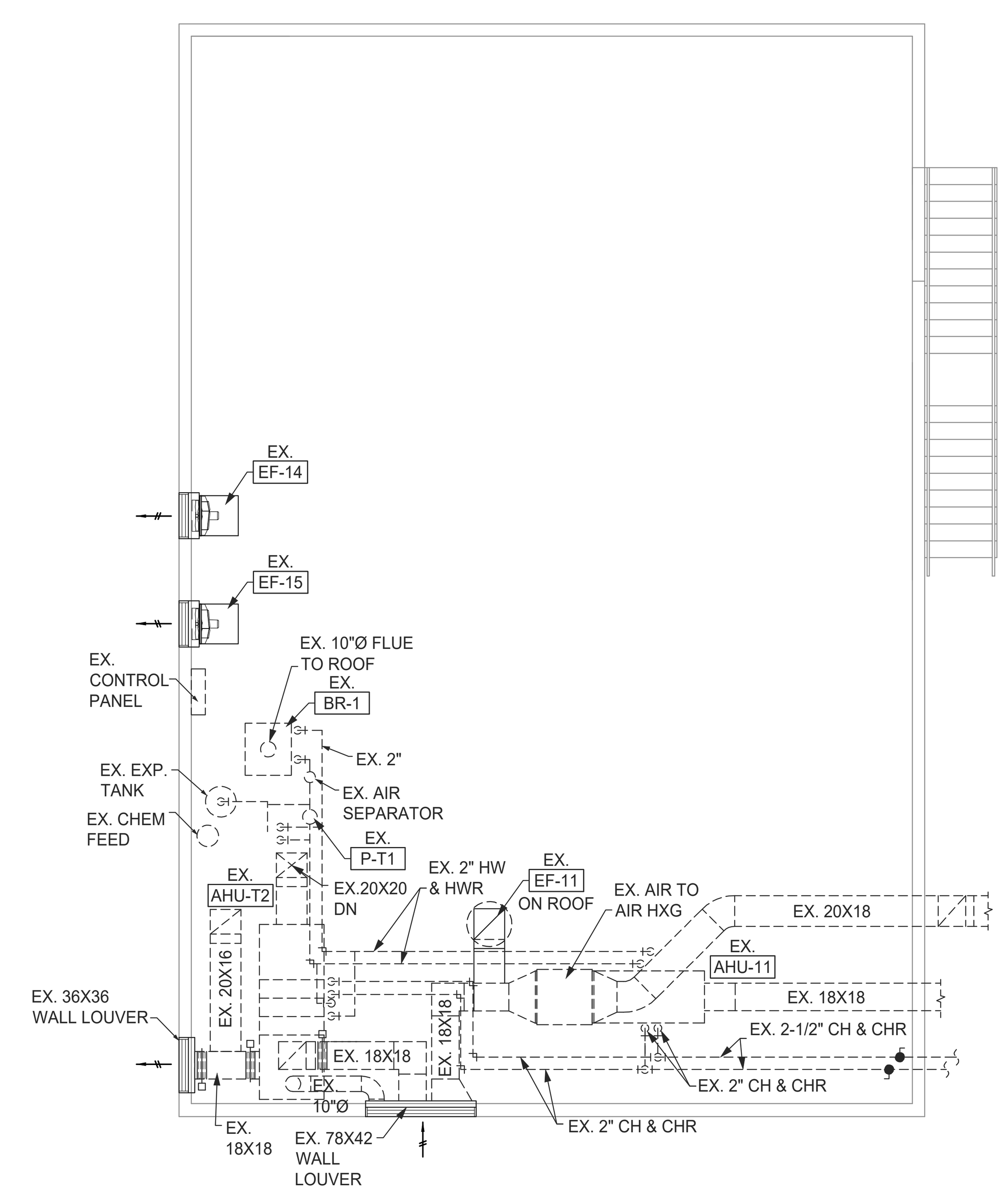
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192



HVAC MEZZANINE PLAN - TELEVSION INSPECTION BUILDING 1296 - DEMOLITION
1/8" = 1'-0"



HVAC MEZZANINE PLAN - TELEVSION INSPECTION BUILDING 1296 - DEMOLITION
1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA LICENSED No. 18612 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY - TELEVISION INSPECTIONS BLDG. 1296

SHEET TITLE
FLOOR PLAN - TELEVISION INSPECTIONS BLDG 1296 - HVAC DEMOLITION

DRAWING NUMBER
M2.0

PROJECT NUMBER
202123

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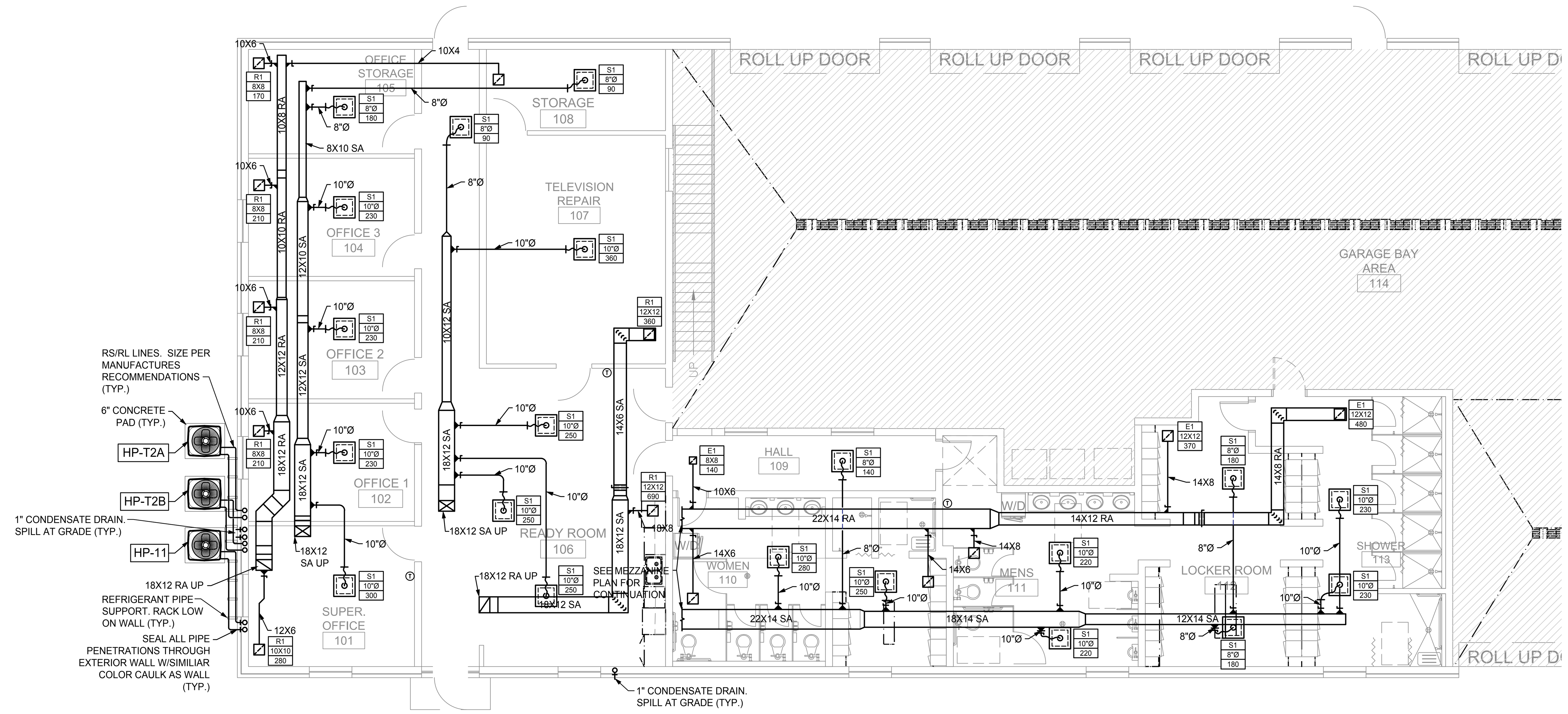
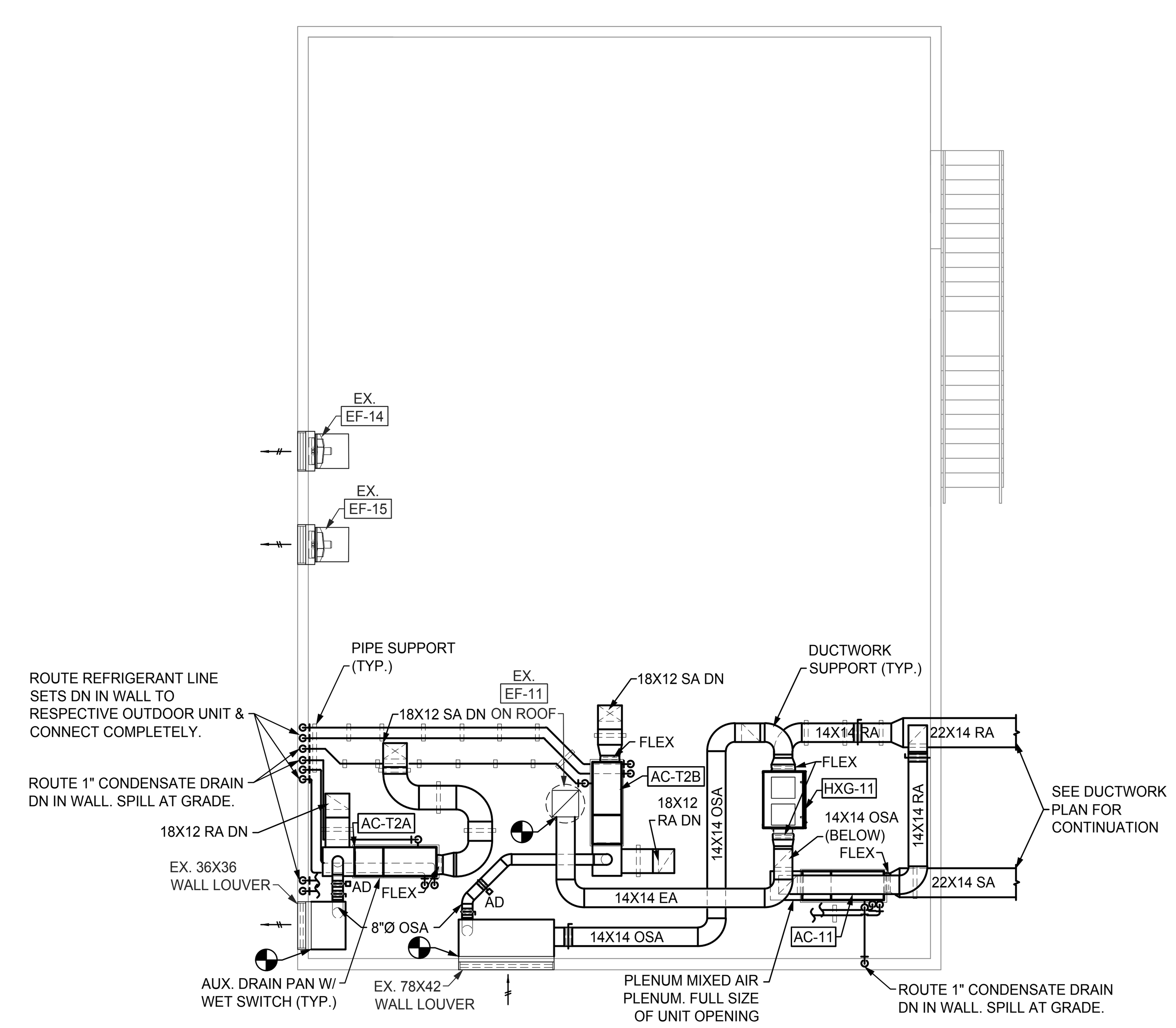


HVAC DUCTWORK PLAN - TELEVISION INSPECTION BUILDING 1296
1/8" = 1'-0"



HVAC MEZZANINE PLAN - TELEVISION INSPECTION BUILDING 1296
1/8" = 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
LAWRENCE J. BOWNESS, No. 26612, LICENSED PROFESSIONAL ENGINEER, ALABAMA
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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY
TELEVISION INSPECTION BLDG. 1296

SHEET TITLE
FLOOR PLAN -
HVAC NEW WORK

DRAWING NUMBER
M2.1

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
2. DISCONNECT AND REMOVE EXISTING URNINAL COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EXISTING CW, HW , WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
4. DISCONNECT AND REMOVE EXISTING 2 COMPARTMENT SINK COMPLETE. SAVE EXISTING ROUGH IN FOR RE-USE.
5. DISCONNECT AND REMOVE EXISTING WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
6. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN AND SHOWER FITTINGS COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
7. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN COMPLETE. REMOVE EXISTING WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.

GENERAL DEMOLITION NOTES

A. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, REMOVE THE FIXTURE/EQUIPMENT, ROUGH-IN AND ALL PIPING BACK TO MAINS AND CAP. REMOVE ALL ABANDONED PIPING FROM SITE.

B. DO NOT ABANDON ANY PIPING IN WALLS, BELOW SLAB , ABOVE CEILING. ALL BRANCH PIPING SERVING FIXTURES BEING REMOVED SHALL BE TAKEN BACK TO ACTIVE MAINS AND CAPPED.

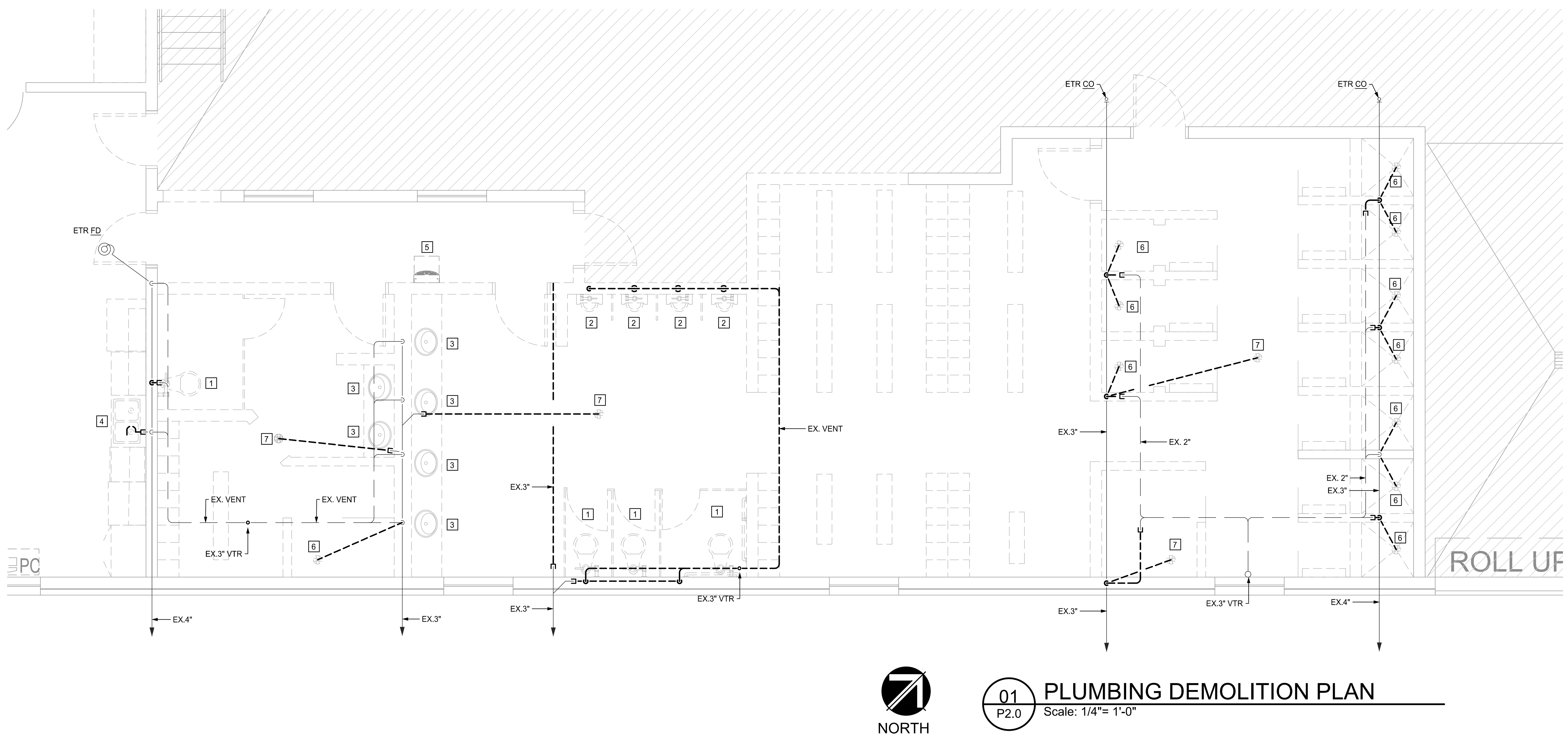
C. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

D. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

E. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

F. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

G. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



01 P2.0 PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 19612 LAWRENCE J. BONNESS
21.09.192
3/29/24

STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
www.studio2hd.com
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FAX: 205-264-9992

NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

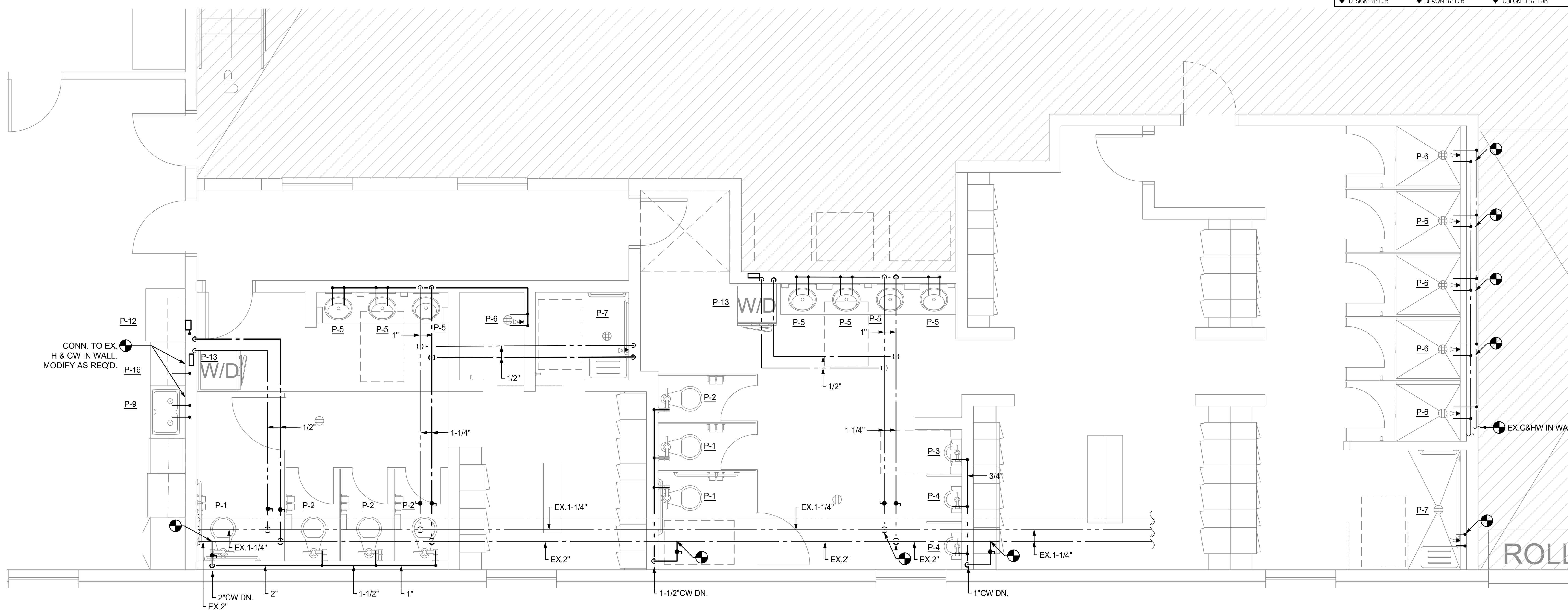
JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1296
TV INVESTIGATION

SHEET TITLE
PLUMBING DEMOLITION WORK PLAN

DRAWING NUMBER
P2.0

PROJECT NUMBER
202123

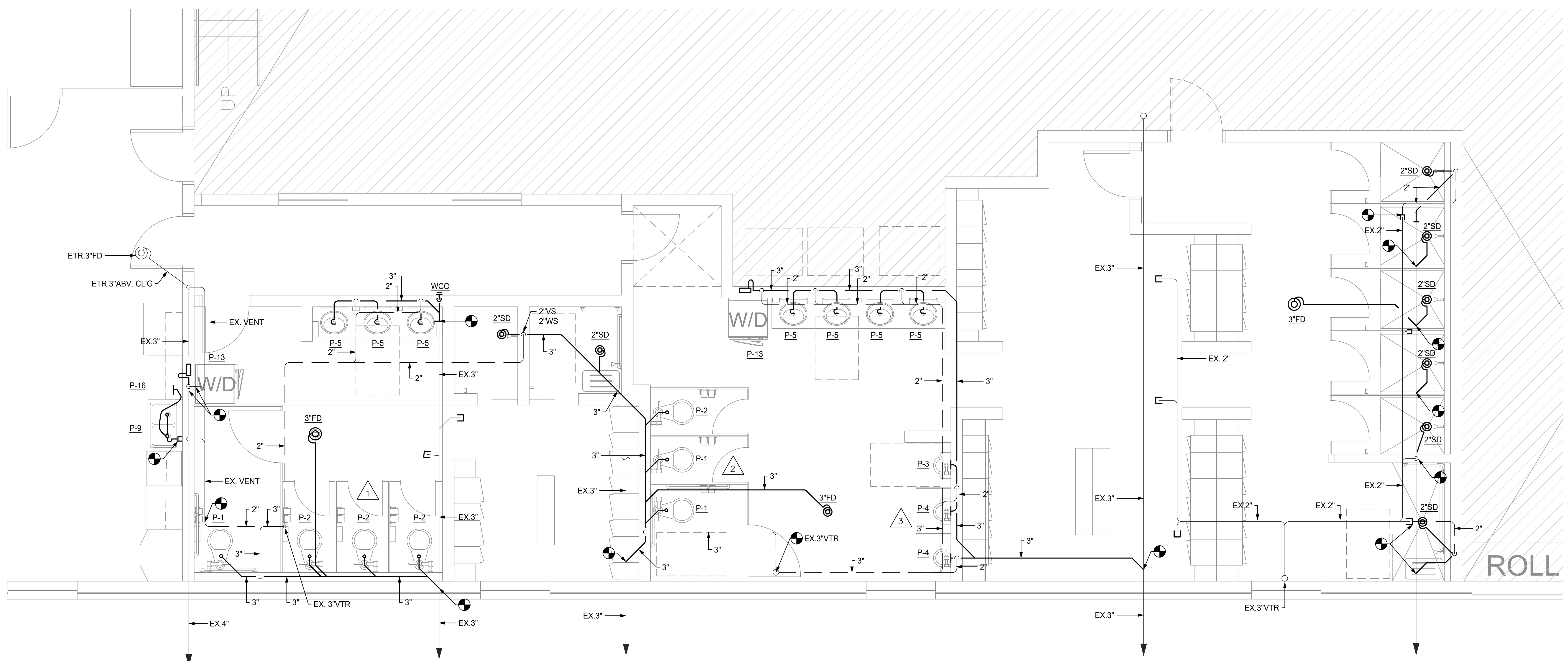


NORTH

02 P2.1 PLUMBING PRESSURE PLAN
Scale: 1/4"= 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS



NORTH

01 P2.1 PLUMBING NON-PRESSURE PLAN
Scale:1/4"= 1'-0"

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Birmingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB DRAWN BY: LJB CHECKED BY: LJB BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 25512 LAWRENCE J. BOWERS
21.09.192
3/29/24

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RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1296
TV INVESTIGATION

SHEET TITLE

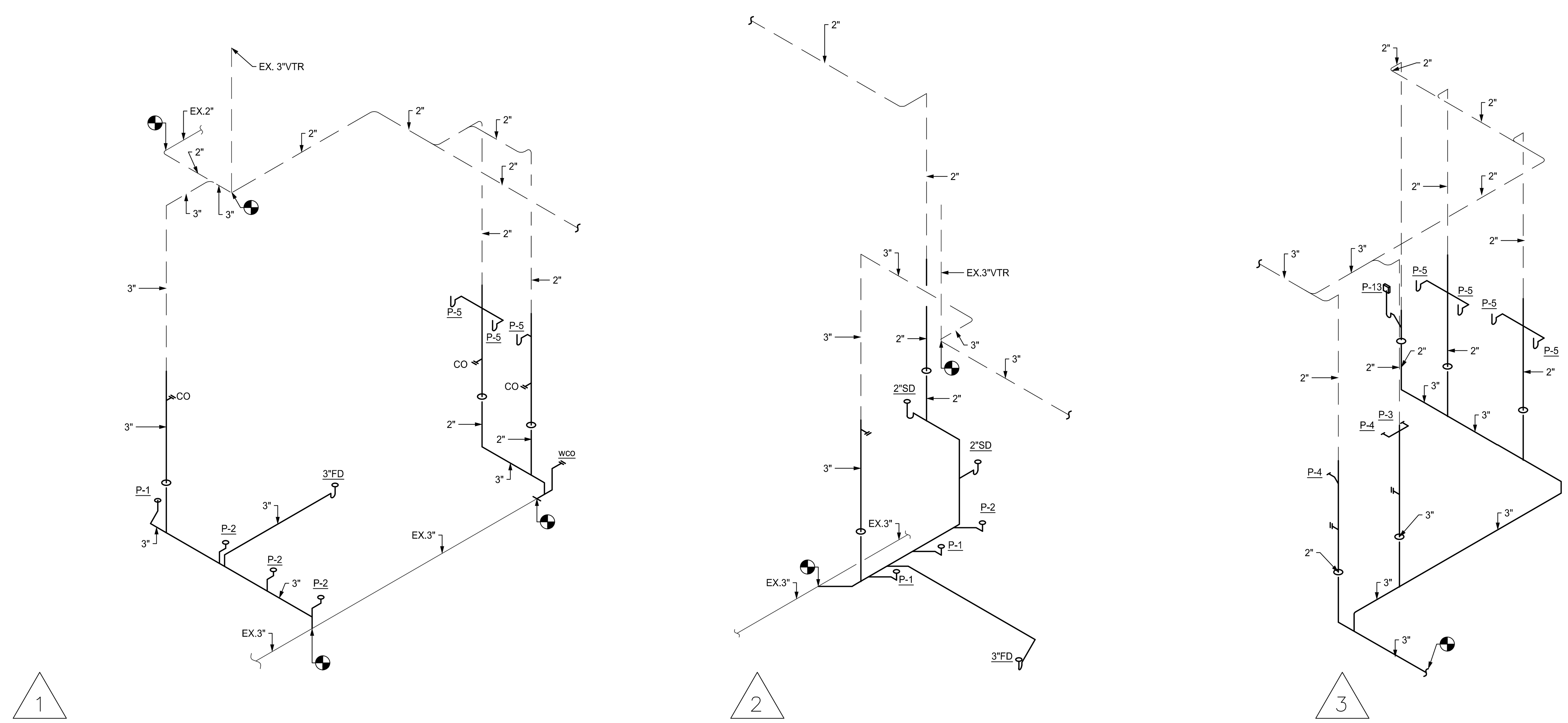
PLUMBING NEW WORK PLANS

DRAWING NUMBER

P2.1

PROJECT NUMBER

202123



01 P2.2 PLUMBING RISER DIAGRAMS
Scale:NTS

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
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DESIGN BY: LJB DRAWN BY: LJB CHECKED BY: LJB BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

3/29/24
21.09.192

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

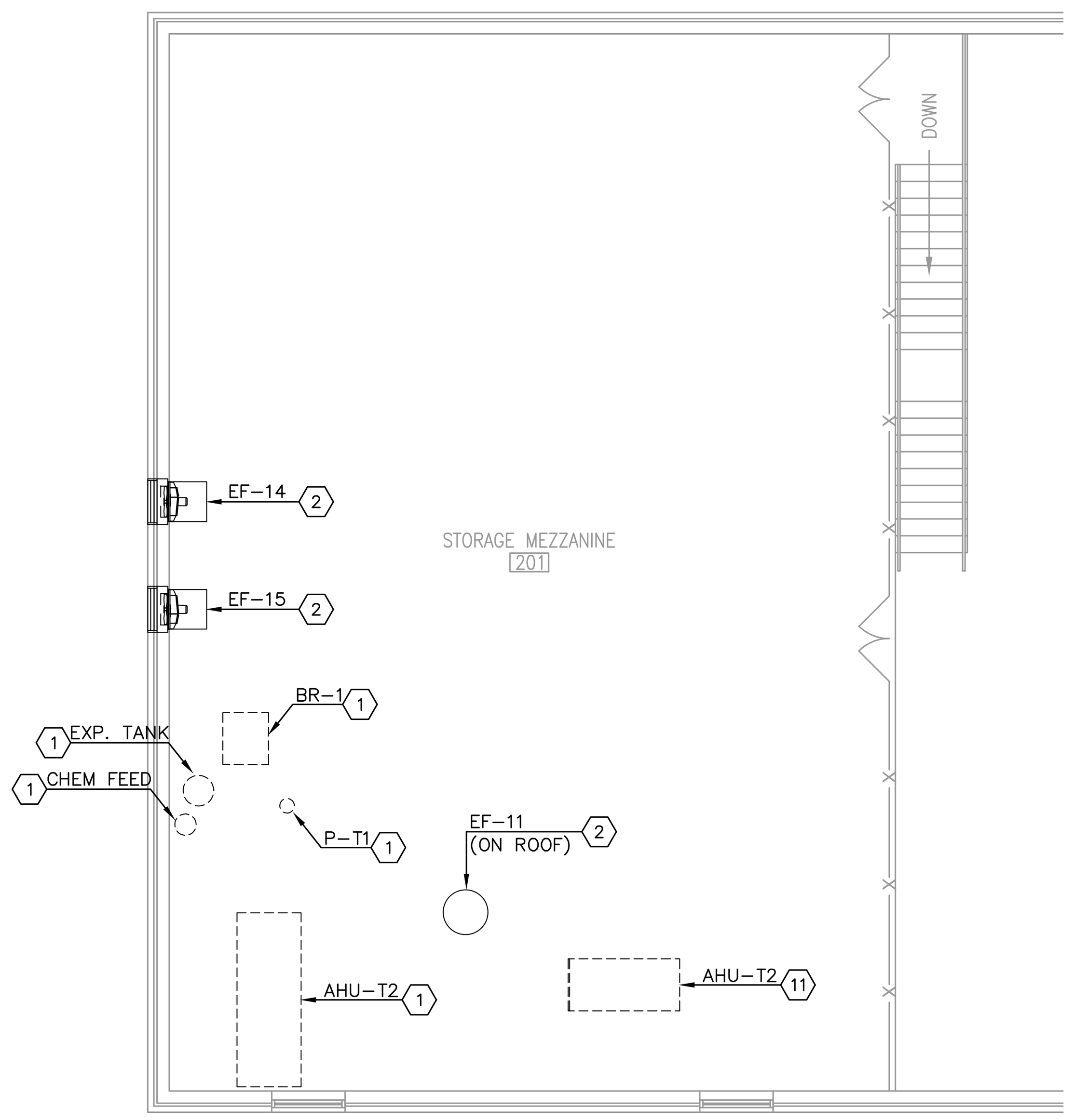
NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING #1296
TV INVESTIGATION

SHEET TITLE
PLUMBING RISER DIAGRAMS

DRAWING NUMBER
P2.2

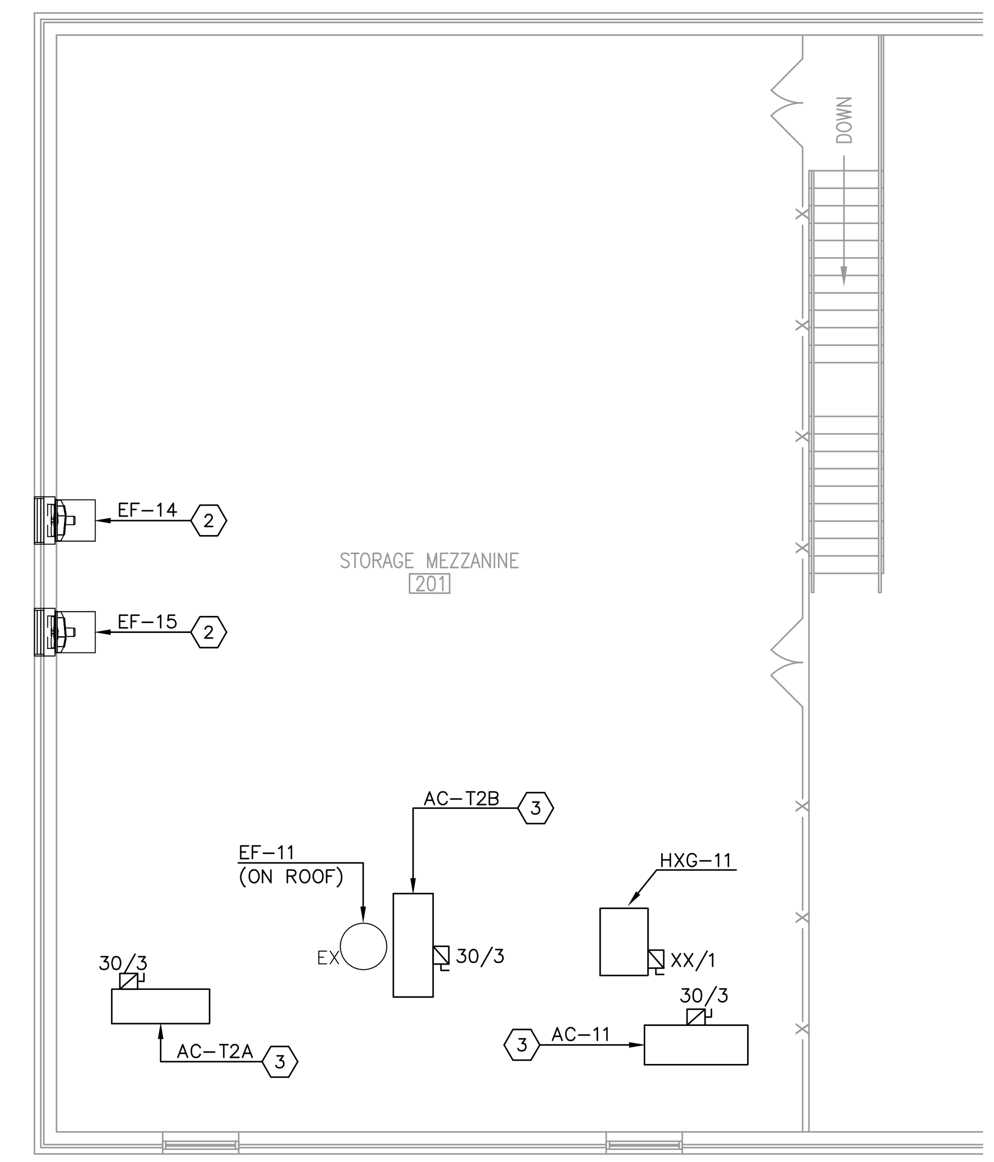
PROJECT NUMBER
202123



MEZZANINE FLOOR PLAN - DEMOLITION

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

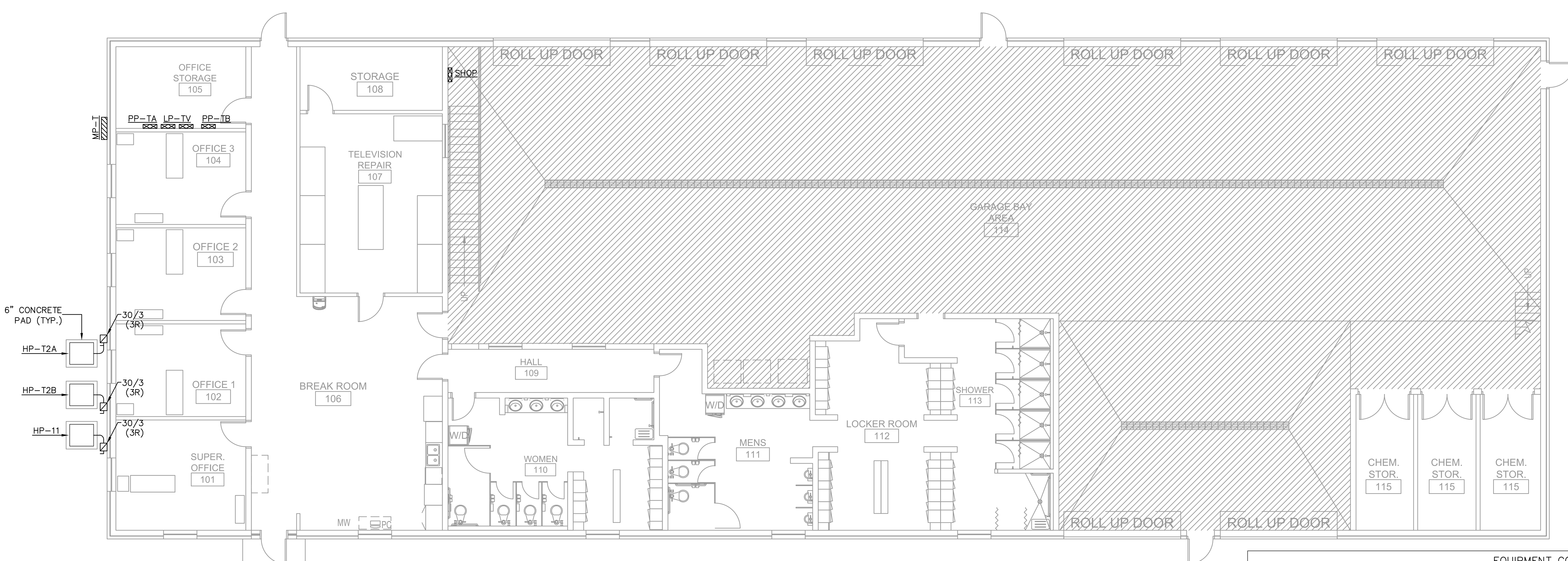
NORTH



MEZZANINE FLOOR PLAN - POWER & AUXILIARY

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

NORTH



GROUND FLOOR PLAN - POWER & AUXILIARY

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

NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com

CCE No. 2252H05 Date: Mar 28, 2024
File: EP-02.dwg Time: 11:08:05 am

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

PLAN NOTES THIS SHEET:

1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.
2. EXISTING EQUIPMENT TO REMAIN. PROTECT EXISTING CONDUIT, WIRING, AND CONNECTIONS AS REQUIRED.
3. UNIT REQUIRES TWO (2) CONNECTIONS. SEE SCHEDULE.

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
AC-T2A	208	3	1/2 HP	15	30/3	PP-TB	2,4,6	15/3	·
	208	3	9 KW	30	30/3	PP-TB	8,10,12	30/3	·
AC-T2B	208	3	1/2 HP	15	30/3	PP-TB	14,16,18	15/3	·
	208	3	9 KW	30	30/3	PP-TB	20,22,24	30/3	·
AC-11	208	3	3/4 HP	15	30/3	PP-TB	26,28,30	15/3	·
	208	3	9 KW	30	30/3	PP-TB	32,34,36	30/3	·
HXG-11	120	1	1 HP	30	30/2	PP-TB	18	30/1	·
HP-T2A	208	3	11.7 MCA	20	30/3 (3R)	PP-TB	1,3,5	20/3	·
HP-T2B	208	3	11.7 MCA	20	30/3 (3R)	PP-TB	7,9,11	20/3	·
HP-11	208	3	21.5 MCA	30	30/3 (3R)	PP-TB	13,15,17	30/3	·

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1296 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA
No. 31921
PROFESSIONAL ENGINEER
JAMIE L. BAILEY
3/28/24

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1296
TV INSPECTION

SHEET TITLE

GROUND FLOOR PLANS - ELECTRICAL

DRAWING NUMBER

E2.0

PROJECT NUMBER

202123

30% DESIGN REVIEW

PANEL: PP-TB	PANEL AMPS: 250 AMPS	VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ	MOUNTING: SURFACE
TYPE: BQL	MAIN TYPE: M.L.O.	AIC RATING: 42,000	NEMA RATING: NEMA 1
	MAIN BREAKER RATING: N/A	CALC FAULT CURRENT:	LOCATION: ELECTRICAL ROOM
	SOLID NEUTRAL: 100%	BREAKER FEATURES: **GFI** = GROUND FAULT CIRCUIT INTERRUPTER; **ST** = SHUNT TRIP; **TH** = TIE HANDLE; **AF** - ARC FAULT CIRCUIT INTERRUPTER; **LO** = LOCK-ON DEVICE	FED FROM: PANEL MSB-PSC - 225/3 BKR
	GROUND BUS: 100%		

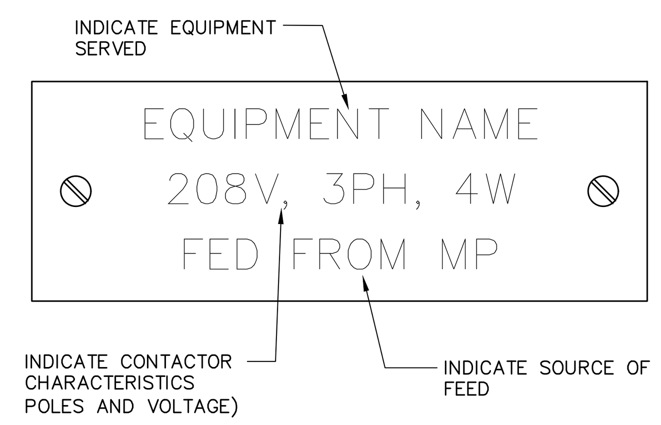
ONE SECTION PANEL

CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE A	PHASE B	PHASE C	CKT LOAD	WIRE SIZE	DESCRIPTION	LOAD TYPE	BREAKER	CKT NO
1		A/C		4#10,	1404	1848			444	4#12,		MTR		2
3	20/3	A/C	INDOOR UNIT AC-TA	1#10G-	1404		1848		444	1#12G-	INDOOR UNIT AC-TA (MOTOR)	MTR	15/3	4
5		A/C		1"C.	1404			1848	444	1"C.		MTR		6
7		A/C		4#10,	1404	4404			3000	4#10,		HTG		8
9	20/3	A/C	INDOOR UNIT AC-TB	1#10G-	1404		4404		3000	1#10G-	INDOOR UNIT AC-TA (HEATING)	HTG	30/3	10
11		A/C		1"C.	1404			4404	3000	1"C.		HTG		12
13		A/C		4#10,	2580	3024			444	4#12,		MTR		14
15	30/3	A/C	INDOOR UNIT AC-11	1#10G-	2580		3024		444	1#12G-	INDOOR UNIT AC-TB (MOTOR)	MTR	15/3	16
17		A/C		1"C.	2580			3024	444	1"C.		MTR		18
19	30/1	MTR	HEAT EXCHANGER	#10	1920	4920			3000	4#10,		HTG		20
21	30/2	LAUN	STACKED WASHER DRYER	3#10,	2500		5500		3000	1#10G-	INDOOR UNIT AC-TB (HEATING)	HTG	30/3	22
23		LAUN		1#10G-1"C.	2500			5500	3000	1"C.		HTG		24
25	30/2	LAUN	STACKED WASHER DRYER	3#10,	2500	2944			444	4#12,		MTR		26
27		LAUN		1#10G-1"C.	2500		2944		444	1#12G-	INDOOR UNIT AC-11 (MOTOR)	MTR	15/3	28
29			SPACE					444	444	1"C.		MTR		30
31			SPACE			3000			3000	4#10,		HTG		32
33			SPACE				3000		3000	1#10G-	INDOOR UNIT AC-11 (HEATING)	HTG	30/3	34
35			SPACE					3000	3000	1"C.		HTG		36
37			SPACE			0					SPACE			38
39			SPACE				0				SPACE			40
41			SPACE					0			SPACE			42
					PHASE TOTALS	20140	20720	18220						

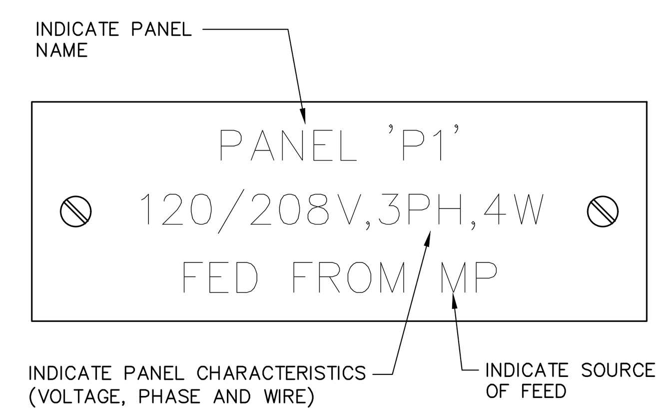
PANEL: MP-TV	PANEL AMPS: 600	VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ	MOUNTING: SURFACE
TYPE: CCB	MAIN TYPE: MAIN BKR	AIC RATING: 42,000	NEMA RATING: NEMA 3R
	MAIN BREAKER RATING: 600 AMPS	CALC FAULT CURRENT:	LOCATION: EXTERIOR WALL
	SOLID NEUTRAL: 100%	BREAKER FEATURES: **GFI** = GROUND FAULT CIRCUIT INTERRUPTER; **ST** = SHUNT TRIP; **TH** = TIE HANDLE; **AF** - ARC FAULT CIRCUIT INTERRUPTER; **LO** = LOCK-ON DEVICE	FED FROM: SERVICE TRANSFORMER
	GROUND BUS: 100%		

ONE SECTION PANEL

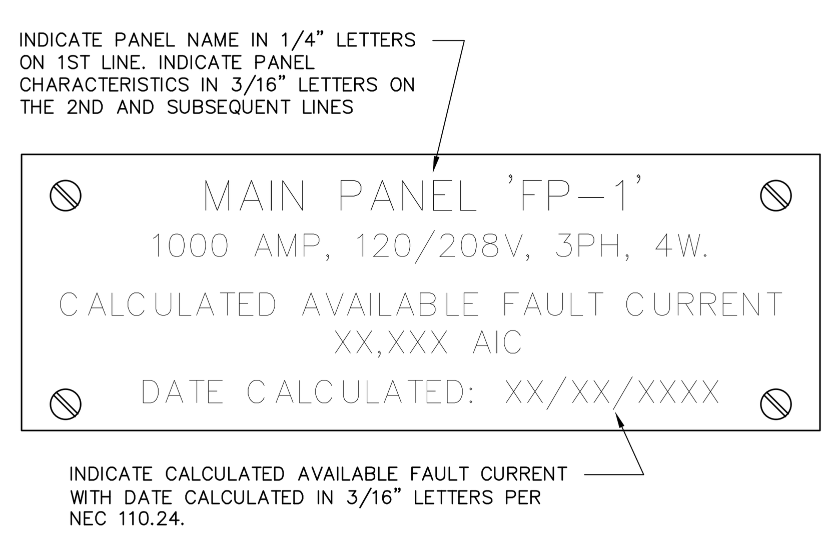
CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE A	PHASE B	PHASE C	CKT LOAD	WIRE SIZE	DESCRIPTION	LOAD TYPE	BREAKER	CKT NO
		PANEL		4#500MCM,	30000	30000								
1	400/3	PANEL	PANEL 'PP-TA'	1#3G -	30000		30000				SPACE			2
		PANEL		3 1/2"C.	30000			30000						
		PANEL		4#3/0,	20140	20140								
3	200/3	PANEL	PANEL 'PP-TB'	1#6G-	20720		20720				SPACE			4
		PANEL		2"C.	18220			18220						
						0								
5			SPACE				0				SPACE			6
								0						
					PHASE TOTALS	50140	50720	48220						



SAFETY SWITCHES AND/MOTOR STARTERS



PANELBOARD NAMEPLATE DETAIL



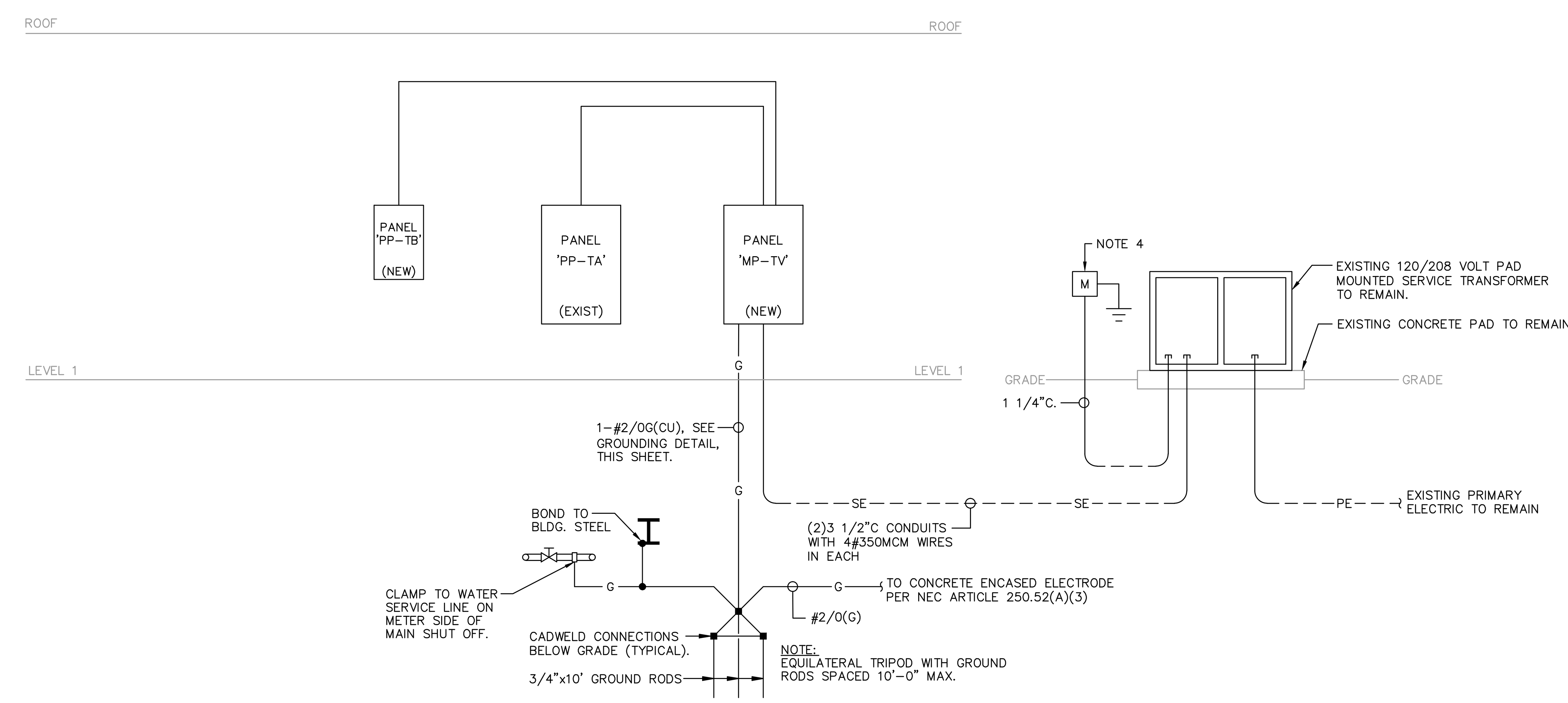
MAIN PANEL NAMEPLATE DETAIL

DETAIL NOTES:

1. PROVIDE NAMEPLATES FOR MAIN PANEL, ALL BREAKERS IN TYPE 'CCB' PANELS, TRANSFER SWITCH(ES), PANELBOARDS, ALL SAFETY SWITCHES, MOTOR STARTERS, CONTACTOR AND RELAY ENCLOSURES, ETC.
2. ALL NAMEPLATES SHALL BE WHITE WITH 1/4" HIGH ENGRAVED LETTERING, BLACK FOR NORMAL POWER AND RED FOR EMERGENCY POWER UNLESS NOTED OTHERWISE.
3. ALL NAMEPLATES TO BE SECURED TO THE EQUIPMENT WITH SCREWS OR HIGH STRENGTH WATERPROOF EPOXY ADHESIVE.

ELECTRICAL EQUIPMENT NAMEPLATE DETAILS

NOT TO SCALE



ELECTRICAL RISER DIAGRAM

SCALE: NONE

CONSULTING CONSTRUCTION ENGINEERING, LLC
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Phone: (205) 352-2500 Δ Web: www.cce-eng.com

CCE No. 22S2H05 Date: Apr 10, 2024
File: ER-02.dwg Time: 4:04:19 pm

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1296 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMIE L. BAILEY

3/28/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

LOCATION

SHADES VALLEY BUILDING **#1296**
TV INSPECTION

SHEET TITLE

RISER DIAGRAM AND PANEL SCHEDULES

DRAWING NUMBER

E2.1

PROJECT NUMBER

202123

30% DESIGN REVIEW

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER DRAWINGS:
   A. ANY DISCREPANCIES OR CONFLICTS BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL NOT PROCEED WITH SHOP DRAWING PREPARATION OR ANY CONSTRUCTION UNTIL THE ARCHITECT HAS GIVEN DIRECTION OF RESOLUTION FOR THE DISCREPANCY OR CONFLICT.
   B. NOT ALL OPENINGS AND OTHER COMPONENTS THAT ARE REQUIRED HAVE BEEN SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE AND VERIFY THE LOCATIONS AND SIZES OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS AT FLOORS, WALLS, AND ROOFS BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES.
2. IN THE CASE OF INCONSISTENCIES BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT, A BIDDER WILL BE DEEMED TO HAVE INCLUDED IN ITS BID THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK INVOLVED UNLESS THE BIDDER ASKED FOR AND OBTAINED THE ARCHITECT'S WRITTEN CLARIFICATION OF THE REQUIREMENTS BEFORE SUBMISSION OF BID.
3. ALL DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. DO NOT SCALE THE DRAWINGS.
4. ALL OF THE CONTRACTOR'S PROPOSED SUBSTITUTIONS ARE CONSIDERED CHANGE ORDERS AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND/OR APPROVAL PRIOR TO ANY PERTINENT WORK OR FABRICATION.
5. CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION, NEW AND EXISTING, AT ALL STAGES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
   A. BRACE ALL BASEMENT-TYPE WALLS RETAINING EARTH UNTIL RESTRAINING SLABS/FLOORS HAVE BEEN INSTALLED AND SLABS HAVE REACHED REQUIRED DESIGN STRENGTH.
   B. BRACE/SHORE ALL WALLS AS REQUIRED TO MAINTAIN STABILITY DURING CONSTRUCTION.
   C. SHORE EXISTING FLOORS, WALLS, AND/OR ROOFS AS REQUIRED DURING DEMOLITION OF ANY PORTION OF EXISTING STRUCTURE UNTIL NEW SUPPORT FRAMING HAS BEEN INSTALLED.
6. ALL STRUCTURAL MEMBERS, AS SHOWN, HAVE BEEN DESIGNED TO CARRY IN PLACE DESIGN LOADS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ANY LOADS AND FORCES IMPOSED DURING CONSTRUCTION, TRANSPORTATION, ERECTION, AND HANDLING. THE CONTRACTOR SHALL INSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS AND THAT THESE LOADS ARE NOT IMPOSED ON THE STRUCTURAL MEMBERS PRIOR TO THE TIME THAT CONCRETE REACHES THE FULL SPECIFIED DESIGN STRENGTH, STEEL MEMBERS AND THEIR CONNECTIONS ARE FULLY BOLTED AND / OR WELDED AND ALL OTHER FRAMING MEMBERS AND THEIR CONNECTIONS ARE IN PLACE.
7. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO ANY PERTINENT WORK OR FABRICATION. ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE NOTED ON THE SHOP DRAWINGS.
8. ALL CONSTRUCTION JOINTS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE. ADDITIONAL CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON THE SHOP DRAWINGS FOR REVIEW.
9. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED.

SHOP DRAWINGS/SUBMITTALS

1. SHOP DRAWING SUBMITTAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROJECT CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SHALL FOLLOW INDUSTRY GUIDELINES AND STANDARDS.
2. ALL QUESTIONS, CLARIFICATIONS, OR MODIFICATIONS OF THE CONTRACT DOCUMENTS SHALL BE CLEARLY DOCUMENTED AND INDICATED ON THE SHOP DRAWING TRANSMITTAL OR COVER SHEET. ITEMS SHALL NOT BE CONSIDERED APPROVED UNLESS SPECIFICALLY ADDRESSED BY MBA IN THE REVIEW COMMENTS.
3. ALL SHOP DRAWINGS ARE TO BE NEWLY PREPARED. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS FOR USE AS ERECTION DRAWINGS WILL NOT BE PERMITTED. SHOULD SHOP DRAWING SUBMITTALS CONTAIN ANY REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS, THEY WILL BE REJECTED AND RETURNED WITHOUT ENGINEER REVIEW.
   A. MBA MAY CONSIDER TRANSFERRING COMPUTER FILES, IN THE FORMAT CREATED, OF THE PLAN SHEETS TO PROJECT SUBCONTRACTORS TO ASSIST IN DEVELOPING SHOP DRAWINGS ON A CASE BY CASE BASIS. A SIGNED FILE TRANSFER AGREEMENT WILL BE REQUIRED PRIOR TO RELEASE OF MBA FILES.
4. CONTRACTOR TO REVIEW ALL SHOP DRAWING SUBMITTALS AND STAMP WITH APPROVAL PRIOR TO SUBMISSION TO ARCHITECT/ ENGINEER. SHOP DRAWINGS RECEIVED BY ARCHITECT/ENGINEER THAT HAVE NOT BEEN REVIEWED AND COORDINATED BY THE CONTRACTOR WILL BE RETURNED WITHOUT ARCHITECT/ENGINEER'S REVIEW. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING DIMENSIONS WHICH PERTAIN TO FABRICATION PROCESSES OR CONSTRUCTION TECHNIQUES PRIOR TO SUBMITTAL AND FOR COORDINATION OF WORK OF ALL TRADES.
5. CONTRACTOR MAY PROVIDE REVIEWED AND APPROVED SUBMITTALS IN AN ELECTRONIC .PDF FORMAT FOR ENGINEER REVIEW AND APPROVAL. IN LIEU OF ELECTRONIC SUBMITTALS, CONTRACTOR MAY PROVIDE NO MORE THAN FOUR PAPER COPIES OF EACH STRUCTURAL SHOP DRAWING SUBMITTAL TO THE ENGINEER. THE STRUCTURAL ENGINEER WILL REVIEW AND RETURN TWO OF THE COPIES TO THE ARCHITECT. ADDITIONAL COPIES REQUIRED BY THE CONTRACTOR SHALL BE MADE BY THE CONTRACTOR AFTER THE REVIEW PROCESS.
6. MBA REVIEW OF SHOP DRAWING SUBMITTALS IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. REVIEW AND/OR APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OR FOR ERRORS/ OMISSIONS IN THE SHOP DRAWINGS.
7. RESUBMITTED SHOP DRAWINGS SHALL HAVE CHANGES AND/OR ADDITIONS CLEARLY INDICATED. REVIEW OF RESUBMITTED SHOP DRAWINGS IS LIMITED TO THE ITEMS REQUIRING CORRECTION ON THE PREVIOUS SUBMITTAL.

INTERFACE WITH EXISTING BUILDING

1. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING AT THE INTERFACE CONNECTIONS TO THE NEW STRUCTURE.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO PROTECT THE EXISTING STRUCTURE.
3. AFTER DEMOLITION AND GENERAL SURVEY WORK HAS BEEN COMPLETED, AND PRIOR TO FABRICATION OF STRUCTURAL ELEMENTS, THE CONTRACTOR WILL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED AND ALLOWED TO EXAMINE THE AS-BUILT CONDITIONS OF THE EXISTING STRUCTURE TO DETERMINE IF ASSUMPTIONS REGARDING THE INTERFACE AT THE EXISTING STRUCTURE WERE CORRECT. MODIFICATIONS, IF REQUIRED, WILL BE MADE AT THAT TIME.
4. DESIGN OF CONNECTIONS AND ADDITIONS TO THE EXISTING BUILDING ARE BASED ON ORIGINAL STRUCTURAL DRAWINGS. [or] ORIGINAL STRUCTURAL DRAWINGS FOR THE EXISTING BUILDINGS WERE NOT AVAILABLE FOR REFERENCE IN DESIGN. DESIGN OF CONNECTIONS AND ADDITIONS TO THE EXISTING STRUCTURE ARE BASED UPON AVAILABLE PROVIDED INFORMATION AND/OR ASSUMPTIONS MADE BY THE STRUCTURAL ENGINEER.
5. THE CONTRACTOR SHALL INCLUDE ALLOWANCES FOR FABRICATED AND ERECTED STRUCTURAL STEEL AND FOR FABRICATED AND ERECTED MISCELLANEOUS STEEL ON A UNIT PRICE BASIS PER TON STATED ON THE BID FORM. THIS IS IN ADDITION TO ALL OTHER STEEL SHOWN ON THE DRAWINGS. THIS EXTRA STEEL SHALL BE INSTALLED IN THE BUILDING IN SUCH SIZES AND FORMS AS DIRECTED BY THE ARCHITECT. ANY UNUSED PORTION SHALL BE A CREDIT TO THE OWNER. SEE THE ALLOWANCE SECTION OF THE SPECIFICATION FOR SPECIFIC QUANTITIES.

CONCRETE

1. CONCRETE CONSTRUCTION AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH CURRENT ACI STANDARDS.
2. CONCRETE SCHEDULES

ITEM	28 DAY COMPRESSIVE STRENGTH
A. CONCRETE SLAB ON COMPOSITE METAL DECK	3000 PSI STRUCTURAL

3. CONCRETE COVER OVER REINFORCING (UNO)
   A. UNFORMED SURFACE IN CONTACT WITH EARTH: 3 IN.
   B. UNFORMED SURFACE OVER VAPOR BARRIER: 2 IN.
   C. FORMED SURFACES EXPOSED TO EARTH OR WEATHER:
      #6 AND LARGER 2 IN.
      #5 AND SMALLER 1 1/2 IN.
   D. FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
      WALLS, SLABS: 3/4 IN.
      COLUMNS, BEAMS: 1 1/2 IN. TO TIES
4. ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF ASTM SPECIFICATION A615, GRADE 60 AND BE DETAILED IN ACCORDANCE WITH THE LATEST REVISION OF ACI STANDARD 315.
5. ALL WELDED WIRE REINFORCING (W.W.R.) SHALL CONFORM TO ASTM A-185. WELDED WIRE REINFORCING SHALL BE LAPPED WITH A MINIMUM OF 1'-0" AND SHALL BE FURNISHED IN SHEETS ONLY (NO ROLLS).
6. PIPING AND CONDUIT SHALL BE SO FABRICATED AND INSTALLED THAT CUTTING, BENDING, OR DISPLACEMENT OF REINFORCEMENT FROM ITS PROPER LOCATION WILL NOT BE REQUIRED.
7. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, SHOP DRAWINGS FOR ALL REINFORCING BARS INCLUDING DETAILS AT ALL OPENINGS AND ASSOCIATED ADDED REINFORCEMENT AS SHOWN ON TYPICAL DETAILS.

POST-INSTALLED ANCHORS

1. ANCHOR CAPACITY USED IN DESIGN IS BASED UPON THE TECHNICAL DATA PUBLISHED BY THE MANUFACTURER. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED ON THE FOLLOWING; HAVING AN ICC-ES ESR OR IAPMO UES ER SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.
2. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
3. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY USE OF HILTI FERROSCAN, GPR, X-RAY, CHIPPING OR OTHER MEANS APPROVED BY THE ENGINEER OF RECORD. DO NOT CUT PRESTRESSED OR POST TENSIONED TENDONS WITHOUT PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
4. INSTALL ANCHORS PER THE MANUFACTURER PRINTED INSTALLATION INSTRUCTIONS.
5. UNLESS NOTED OTHERWISE, ALL ANCHORS TO BE INSTALLED WITH AN EMBEDMENT DEPTH EQUAL TO OR GREATER THAN MANUFACTURER STANDARD EMBEDMENT. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING A SYSTEM THAT IS APPROVED FOR SUCH INSTALLATIONS IN THE PRODUCT CODE REPORT.
6. THE CONTRACTOR SHOULD ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED.
7. UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, APPROVED ANCHORS ARE AS FOLLOWS:
   A. ANCHORAGE TO SOLID GROUTED MASONRY
      1. ADHESIVE ANCHORS USE:
         a. SIMPSON STRONG-TIE AT-XP ADHESIVE ANCHORING SYSTEM WITH THREADED ROD OR REBAR (IAMPMO UES ER-281).
         b. SIMPSON STRONG-TIE SET-XP ADHESIVE ANCHORING SYSTEM WITH THREADED ROD OR REBAR (IAMPMO UES ER-265).
         c. HILTI HIT-HY 70 MASONRY ADHESIVE ANCHORING SYSTEM PER ICC ESR-2682. STEEL ANCHOR ELEMENT SHALL BE HILTI HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR.

STRUCTURAL STEEL

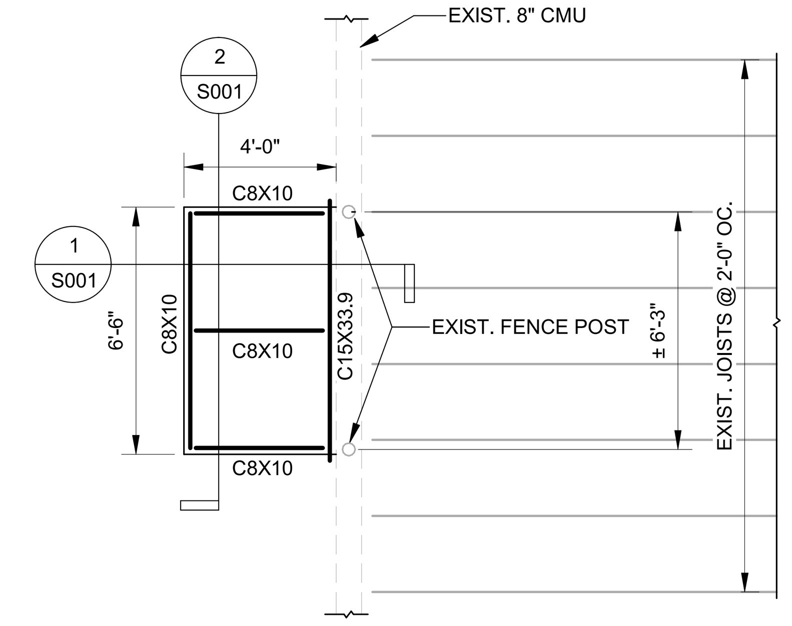
1. DESIGN, CONSTRUCTION, QUALITY ASSURANCE, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CURRENT AISC STANDARDS.
2. ALL STRUCTURAL STEEL CHANNEL SHAPES SHALL CONFORM TO ASTM A992.
3. ALL STRUCTURAL STEEL PLATES, AND ANGLES SHALL CONFORM TO ASTM A36.
4. ALL STRUCTURAL STEEL SQUARE, RECTANGULAR AND ROUND HSS SECTIONS SHALL CONFORM TO ASTM A500, GRADE B.
5. ALL STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, TYPE E OR S, GRADE B.
6. FABRICATION AND ERECTION SHALL CONFORM TO AISC CODE OF STANDARD PRACTICE.
7. ALL WELDING SHALL CONFORM TO AWS STANDARDS. THICKNESS OF WELDS ARE AS SHOWN, SPECIFIED OR REQUIRED.
8. ALL BOLTED CONNECTIONS SHALL BE MINIMUM 3/4" DIAMETER, A325 HIGH STRENGTH BOLTS, UNLESS NOTED OTHERWISE.
9. THE STRUCTURAL STEEL FABRICATOR SHALL PROVIDE CERTIFICATIONS BY A PROFESSIONAL STRUCTURAL ENGINEER (P.E.) REGISTERED IN THE STATE OF AL THAT THE CONNECTION DESIGN IS IN ACCORDANCE WITH ALL APPLICABLE CODES AND SPECIFICATIONS. CONNECTION DESIGN CALCULATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW.
10. ALL BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS" UNLESS NOTED OTHERWISE. WHERE BEAM REACTIONS AND/OR DESIGN FORCES ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE MAXIMUM UNIFORM LOAD TABLE (LATEST AISC MANUAL OF STEEL PRACTICE) MULTIPLIED BY A FACTOR OF 1.2 (NON-COMPOSITE BEAMS) OR 1.45 (COMPOSITE BEAMS) FOR GIVEN SHAPE, SPAN, AND GRADE OF STEEL.

STEEL DECK

1. STEEL DECK CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF SDI STANDARDS.
2. ATTACH NON-COMPOSITE FLOOR DECK TO SUPPORTS AT 12" OC. W/ 5/8" PUDDLE WELDS. ATTACH TO PERIMETER SUPPORTS AT 6" OC. PROVIDE #10 TEK SCREW SIDELAP FASTENERS AT 12" OC. (MIN. 2 PER SPAN).
3. REINFORCING IN ALL FLOOR SLABS LOCATED 1" FROM THE TOP. SUPPORT AS REQUIRED.
4. DECK SHALL BE CONTINUOUS OVER TWO SPANS.

DESIGN CRITERIA

1. GOVERNING CODE:
   A. INTERNATIONAL BUILDING CODE, I.B.C. 2018
2. GRAVITY DESIGN LOADS:
   A. DEAD:
      1. DESIGN DEAD LOADS ARE BASED ON THE SELF WEIGHT OF CONSTRUCTION MATERIALS SHOWN IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. ANY ALTERNATE MATERIALS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER TO REVIEW
   B. LIVE:
      1. STORAGE 250 PSF
3. LATERAL DESIGN LOADS:
   A. WIND:
      1. DESIGNED PER ASCE 7-16
      2. ULTIMATE WIND SPEED = 107 MPH
      3. NOMINAL WIND SPEED = 80 MPH
      4. RISK CATEGORY = II
      5. BUILDING CATEGORY = ENCLOSED
      6. EXPOSURE CATEGORY = C
      7. INTERNAL PRESSURE COEFFICIENT (GCpi) = ±0.18
   B. EARTHQUAKE:
      1. SEISMIC RISK CATEGORY = II
      2. SEISMIC IMPORTANCE FACTOR (Ie) = 1.0
      3. MAPPED SPECTRAL RESPONSE ACCELERATIONS
         A. Ss = 0.3
         B. S1 = 0.102
      4. SOIL SITE CLASS = C
      5. DESIGN SPECTRAL RESPONSE ACCELERATIONS
         A. Sds = 0.312
         B. Sd1 = 0.163
      6. SEISMIC DESIGN CATEGORY = B
      7. BASIC SEISMIC-FORCE-RESISTING SYSTEM
         STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
      8. DESIGN BASE SHEAR = KIPS
      9. SEISMIC RESPONSE COEFFICIENT (Cs) = 0.1
      10. RESPONSE MODIFICATION FACTOR (R) = 3
      11. ANALYSIS PROCEDURE:
          EQUIVALENT LATERAL FORCE

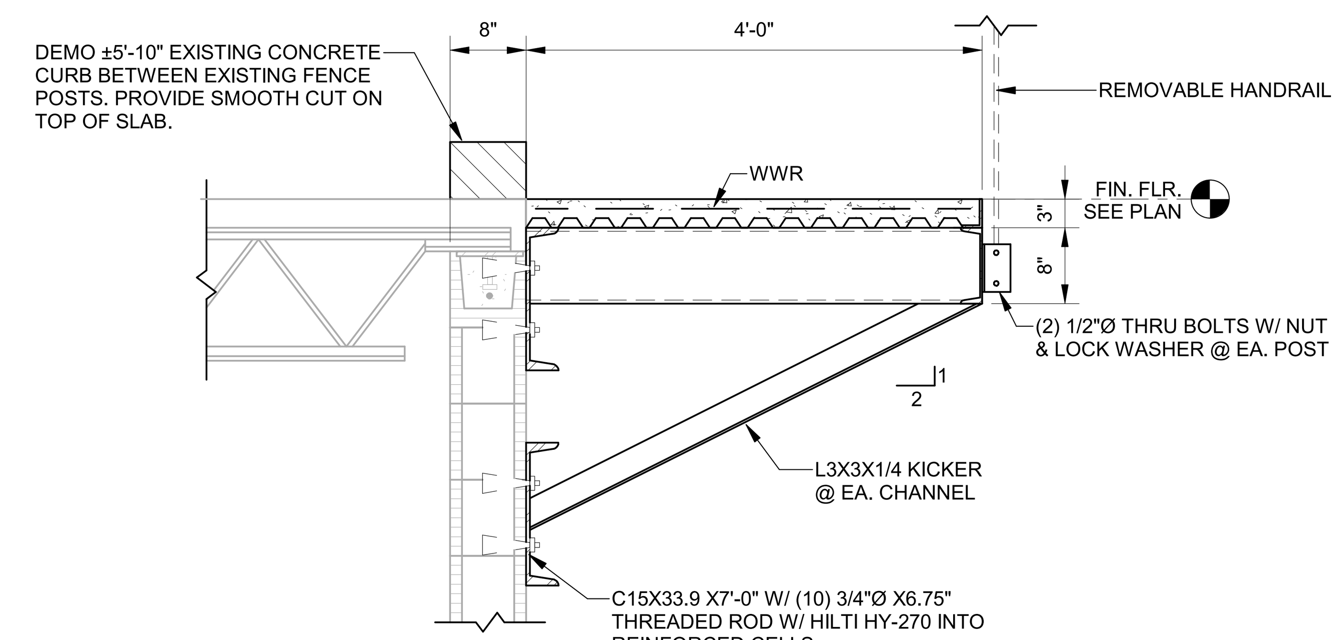


PLAN

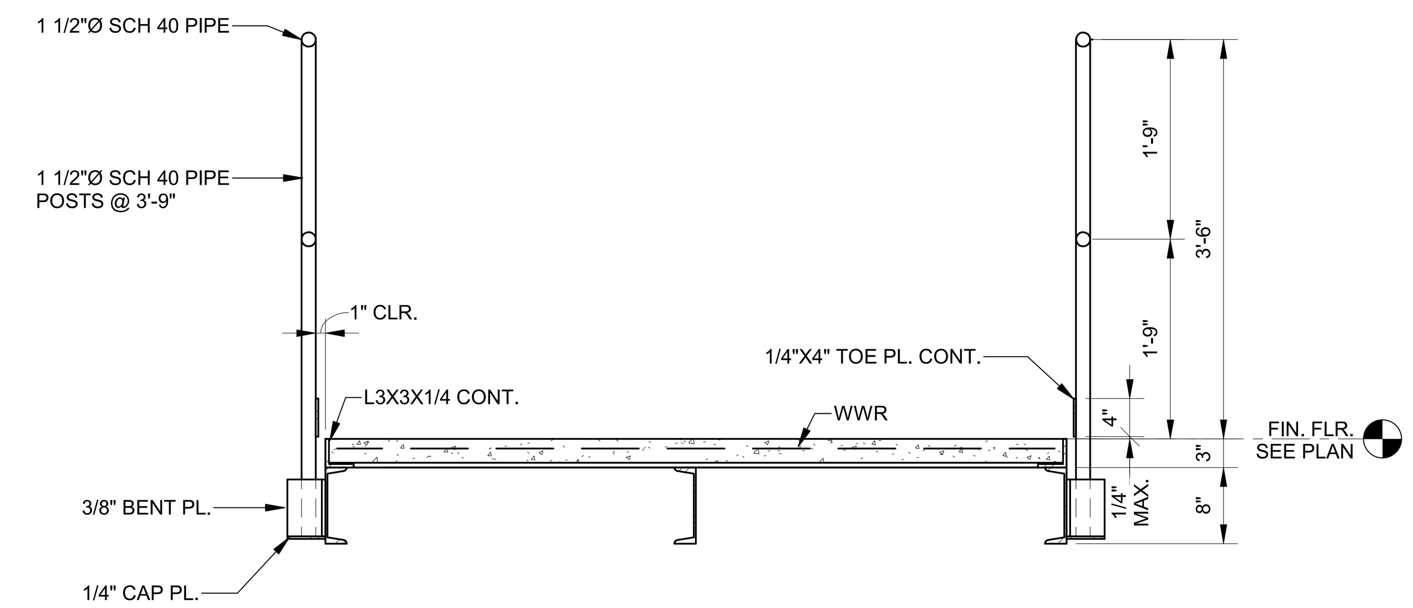
1/4" = 1'-0" REF. FIN. FLR. ELEV. 635.37'

FLOOR CONSTRUCTION:
3" NORMAL WEIGHT CONCRETE ON 0.6C NON-COMPOSITE 22 GA. DECK (3" TOTAL)
REINF. W/ 6X6 - W2.9XW2.9 WWR.

NOTES:
1. TOP OF STEEL ELEV. (-0'-3").
2. CONTRACTOR TO VERIFY & LOCATE REINFORCED CMU CELLS PRIOR TO CONSTRUCTION.



1 / S001 **SECTION**
3/4" = 1'-0"



2 / S001 **SECTION**
3/4" = 1'-0"

MBA ENGINEERS, INC.
STRUCTURAL CIVIL GEOTECHNICAL

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PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

100% DESIGN REVIEW

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DATE: 03.14.2024
DRAWN BY: TT
REVIEWED BY: KLO

REVISIONS

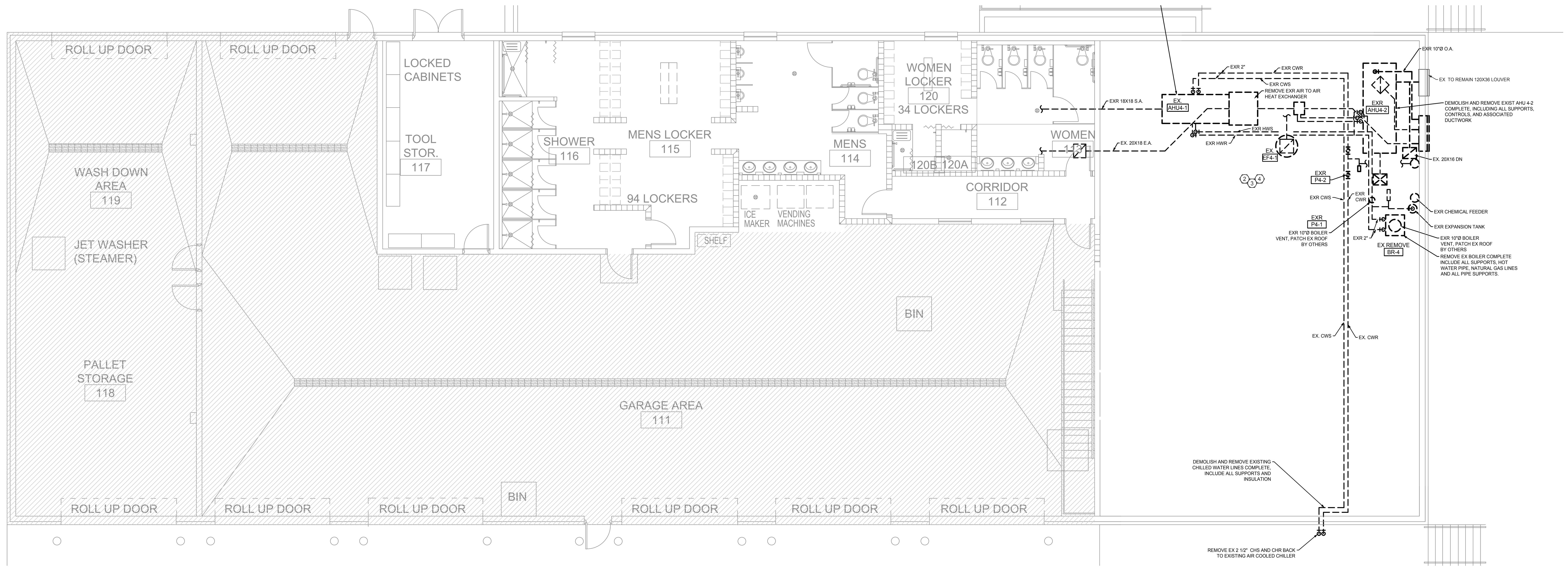
NO.	Date	Description

LOCATION
BUILDING #1299

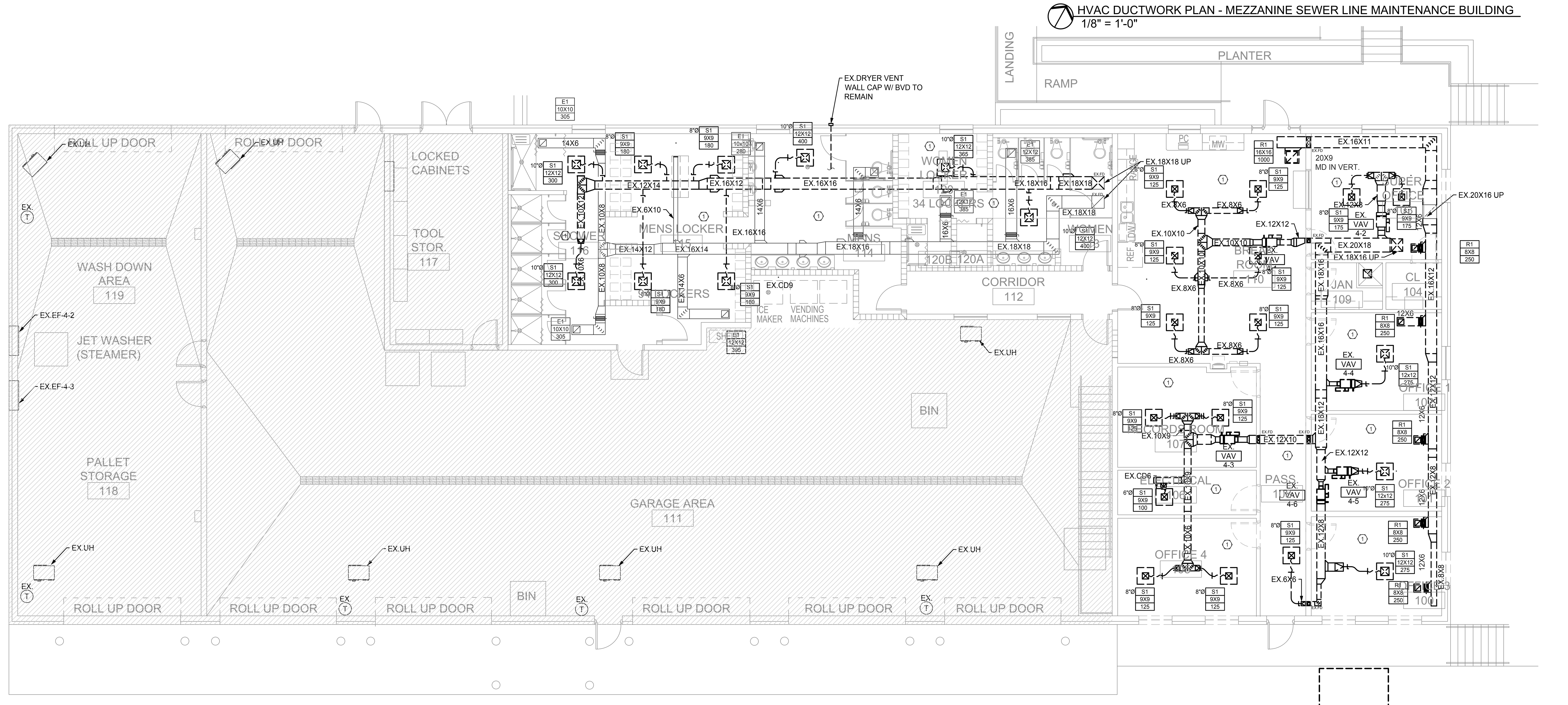
SHEET TITLE
GENERAL NOTES, TYPICAL DETAILS, PLANS, & SECTIONS

DRAWING NUMBER
S001

PROJECT NUMBER
202123



HVAC DUCTWORK PLAN - MEZZANINE SEWER LINE MAINTENANCE BUILDING
1/8" = 1'-0"



HVAC DUCTWORK PLAN - SEWER LINE MAINTENANCE BUILDING
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE THIS AREA.
2. DEMOLISH AND REMOVE ALL EXISTING HOT WATER AND CHILLED WATER PIPING IN THE MEZZANINE AND ABOVE FIRST FLOOR CEILING
3. DEMOLISH AND REMVOE EXSITING BOILERS COMPLETE CAP FLUE AT ROOF . REMOVE NATURAL GAS PIPING BACK TO MAIN AND CAP.
4. REMOVE EXISTING HOT WATER AND CHILLED WATER PUMPS COMPLETE.

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Brimingham, AL 35243
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PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

21.09.192
3/29/24

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DATE: 3/29/24

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REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - SEWER LINE MAINTENANCE BLDG. 1299

SHEET TITLE
FLOOR PLAN - SEWER LINE MAINTENANCE BLDG - HVAC DEMOLITON

DRAWING NUMBER
M3.0

PROJECT NUMBER
202123

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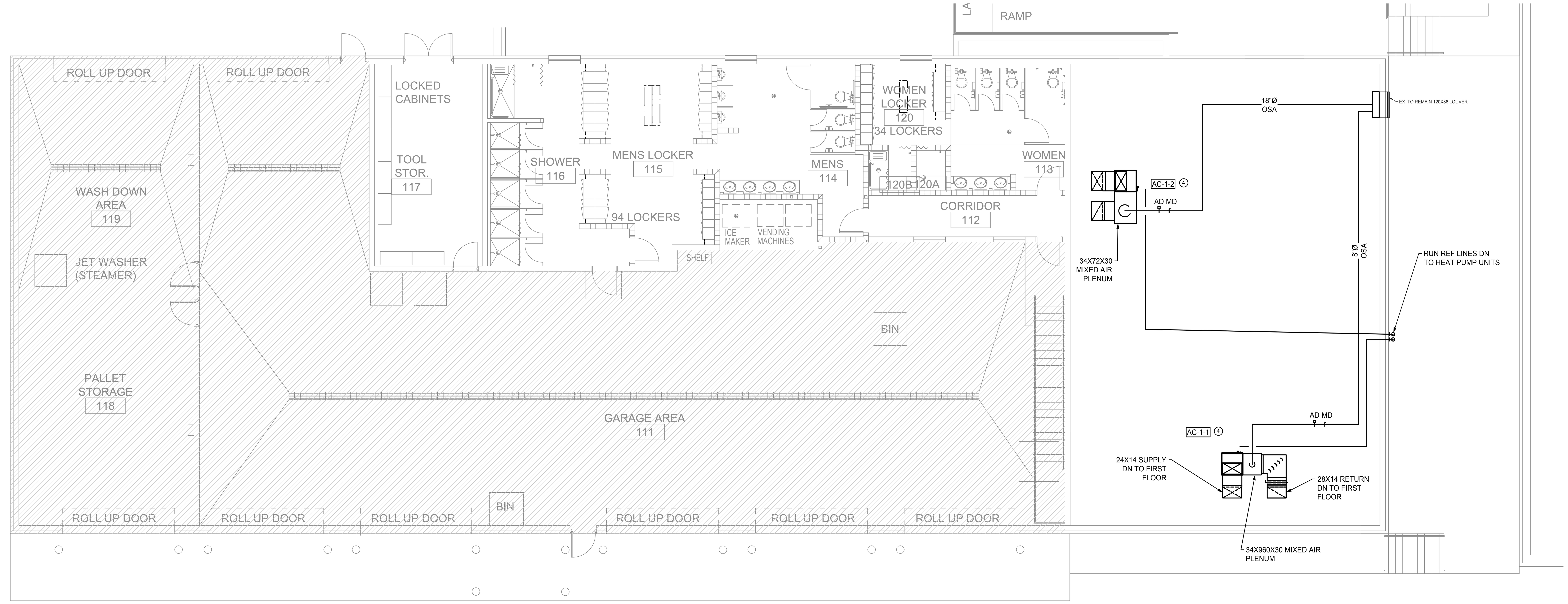
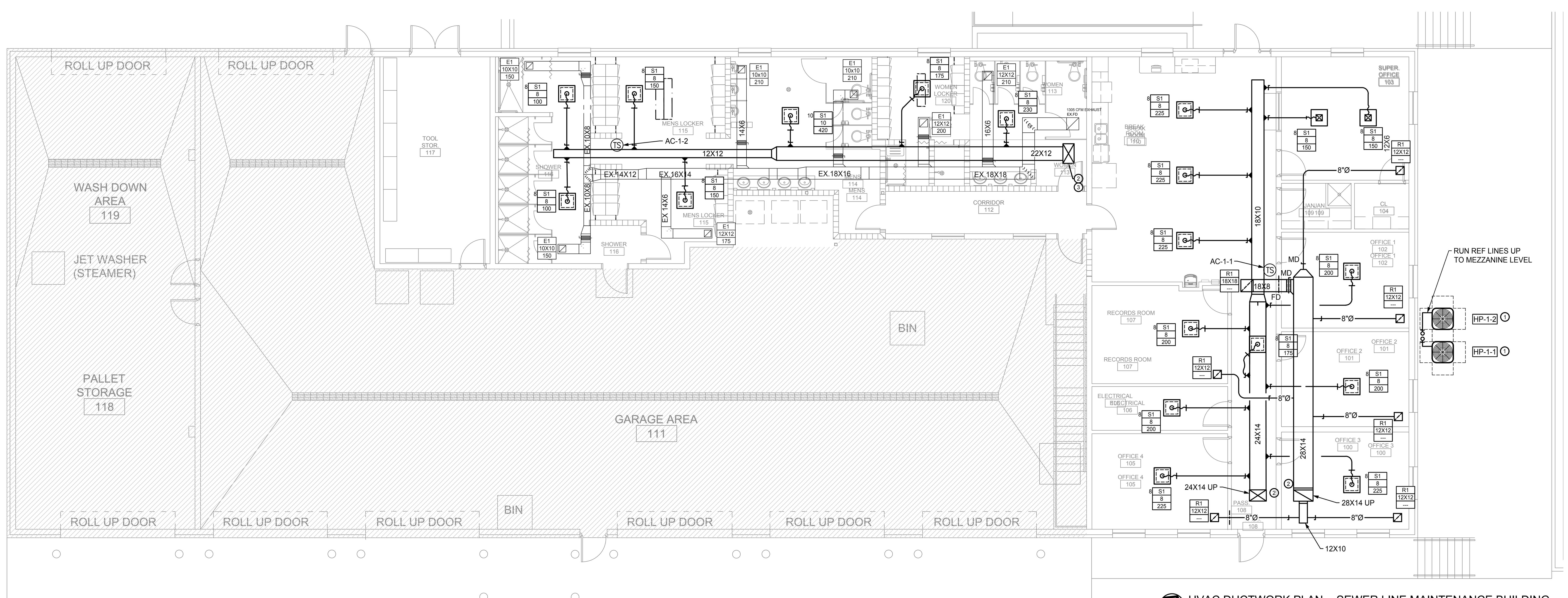


HVAC DUCTWORK PLAN - MEZZANINE SEWER LINE MAINTENANCE BUILDING
1/8" = 1'-0"



HVAC DUCTWORK PLAN - SEWER LINE MAINTENANCE BUILDING
1/8" = 1'-0"

KEYED NOTES:

1. ANCHOR HEAT PUMP UNIT TO NEW 4" THICK POURED IN PLACE CONC. PAD. REINFORCE PAD WITH REBAR 12 " OC. PAD SHALL BE 4" LARGER THAN LONGEST UNIT DIMENSION. TYPICAL ALL HEAT PUMP UNITS.
2. SUPPLY DUCT UP TO MEZZANINE.
3. EXISTING EXHAUST DUCT UP TO EXISTING EXHAUST FAN IN MEZZANINE.
4. RUN 1.5" CONDENSATE DRAINS TO MEZZANINE FLOOR DRAIN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

LAURENCE J. BOWNESS, LICENSED PROFESSIONAL ENGINEER, No. 25612, ALABAMA
21.09.192
3/29/24

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REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY
SEWER LINE MAINTENANCE BLDG. 1299

SHEET TITLE
FLOOR PLAN - HVAC NEW WORK

DRAWING NUMBER
M3.1

PROJECT NUMBER
202123

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DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE, AND VENT BACK EXTENT REQUIRED FOR FIT-UP. MAINTAIN ALL FIRE RATINGS.

GENERAL DEMOLITION NOTES

A. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, REMOVE THE FIXTURE/EQUIPMENT, ROUGH-IN AND ALL PIPING BACK TO MAINS AND CAP. REMOVE ALL ABANDONED PIPING FROM SITE.

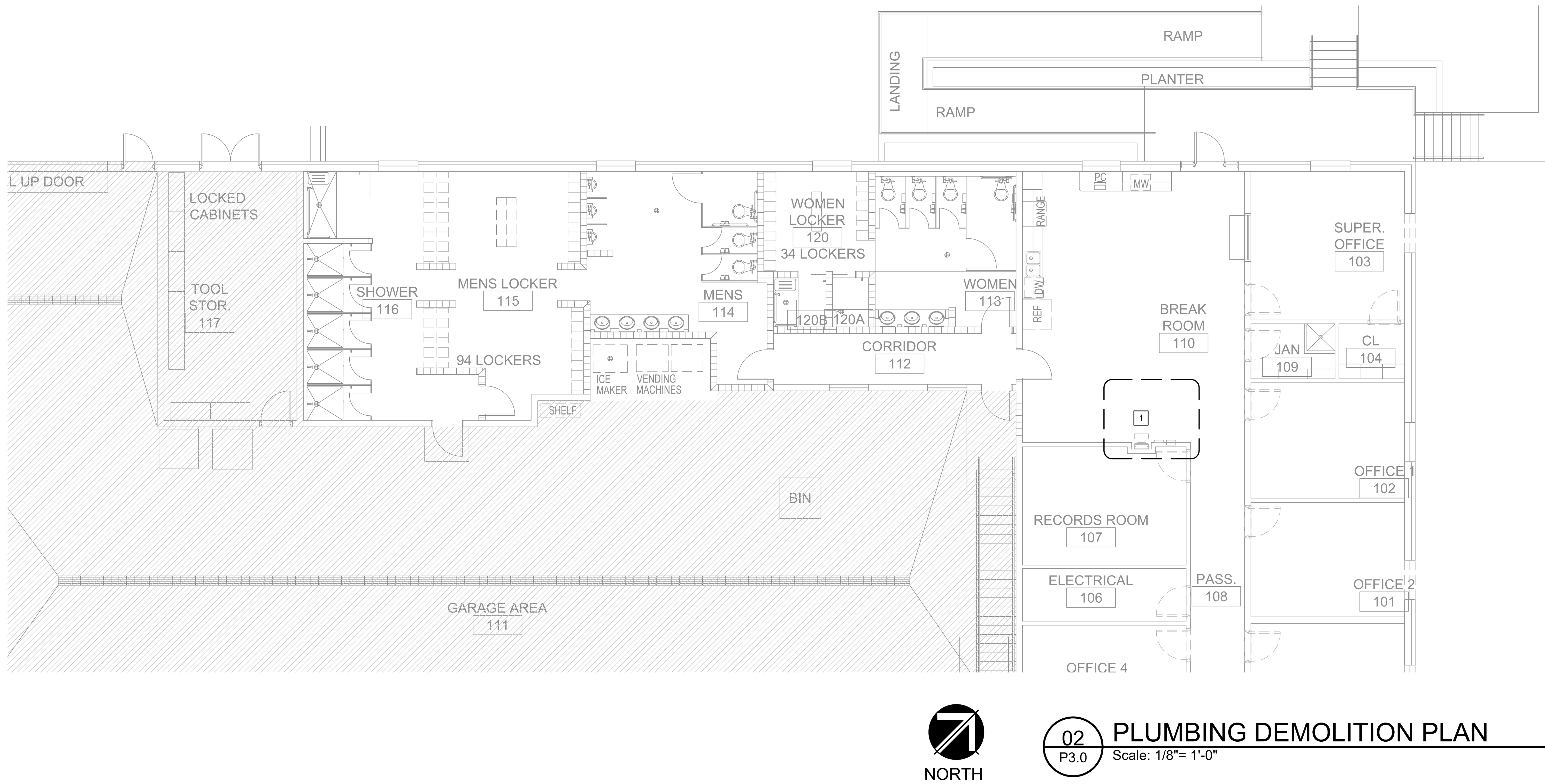
B. DO NOT ABANDON ANY PIPING IN WALLS, BELOW SLAB , ABOVE CEILING. ALL BRANCH PIPING SERVING FIXTURES BEING REMOVED SHALL BE TAKEN BACK TO ACTIVE MAINS AND CAPPED.

C. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

E. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

F. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

G. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



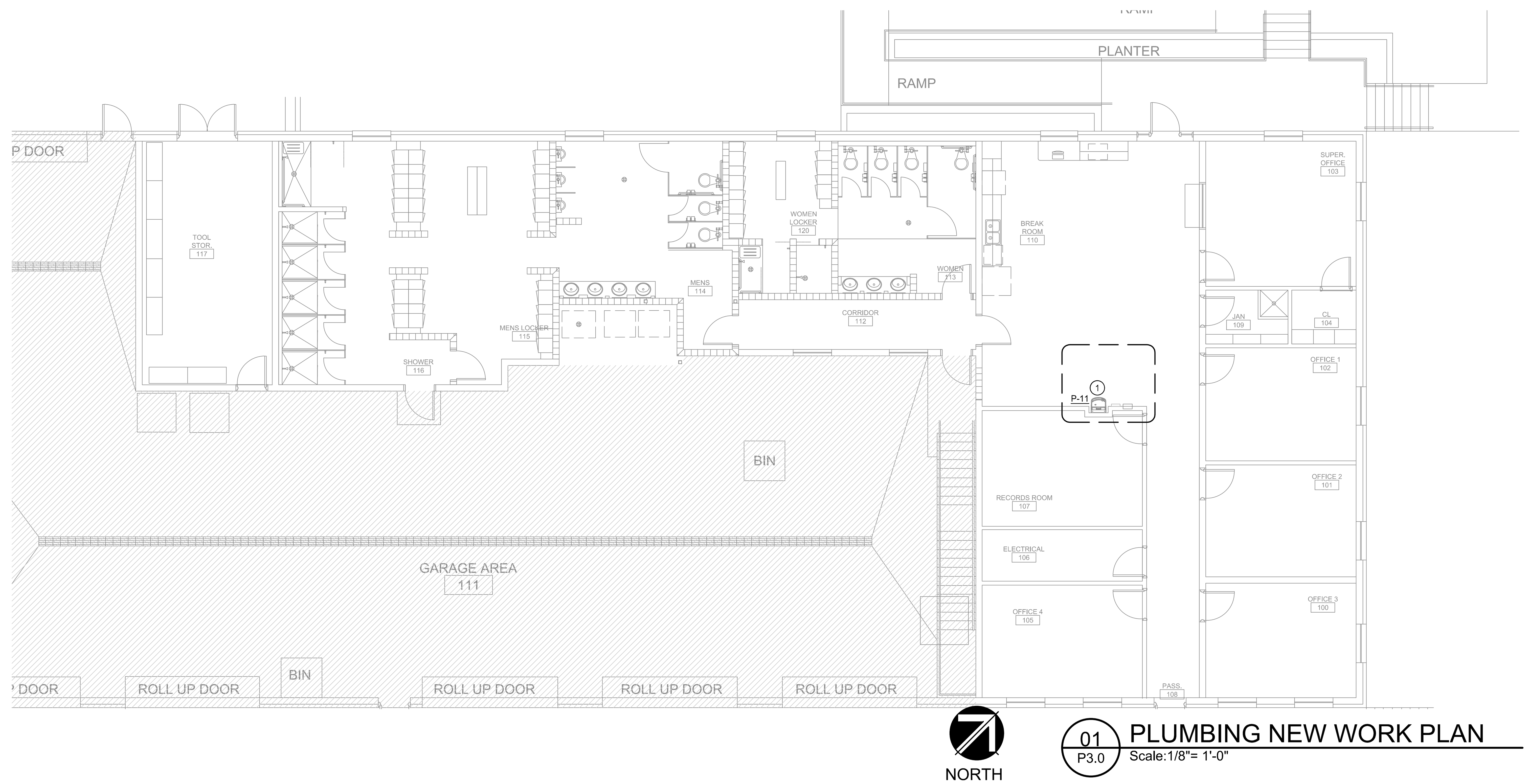
02 P3.0 PLUMBING DEMOLITION PLAN
Scale: 1/8"= 1'-0"

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS



01 P3.0 PLUMBING NEW WORK PLAN
Scale:1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

3/29/24

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RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

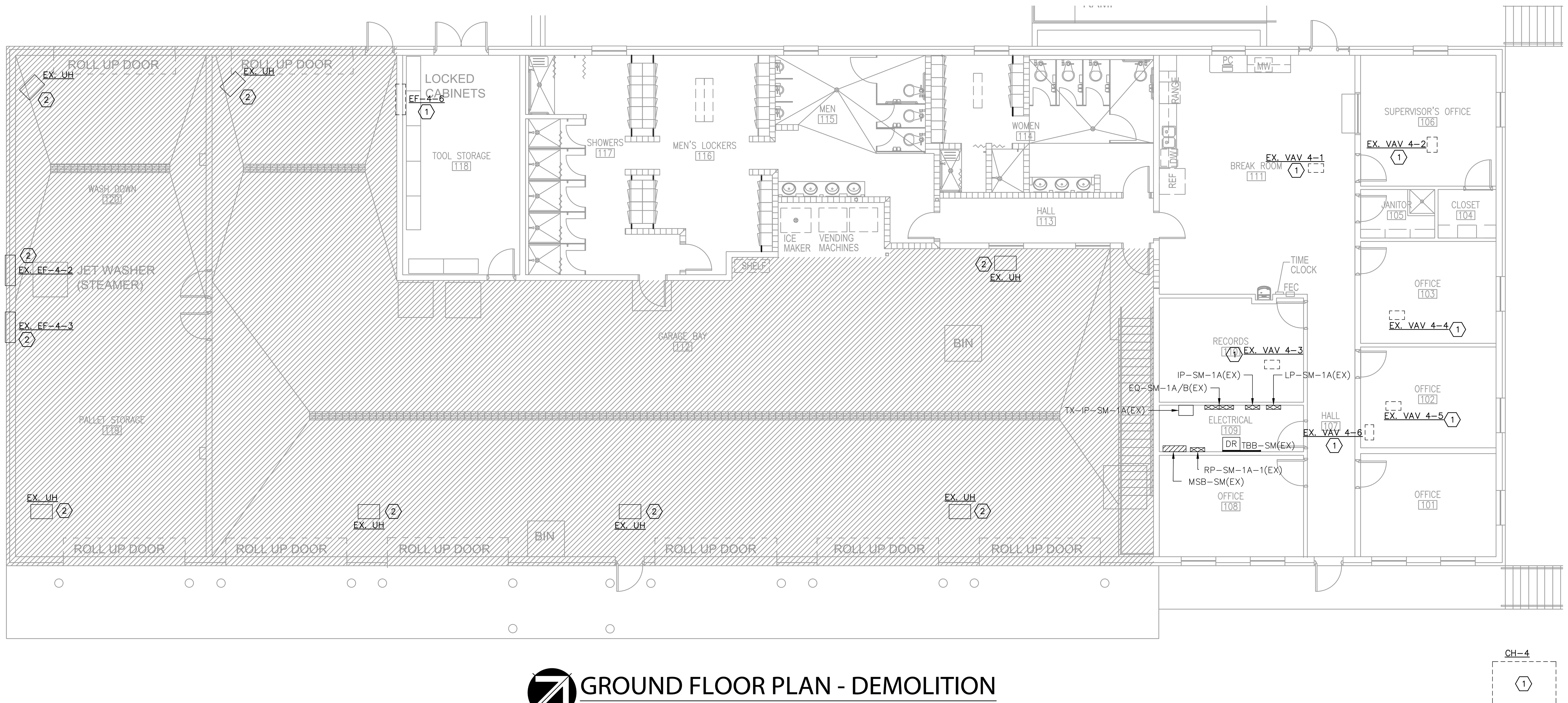
NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING #1299
SEWER LINE MAINTENANCE

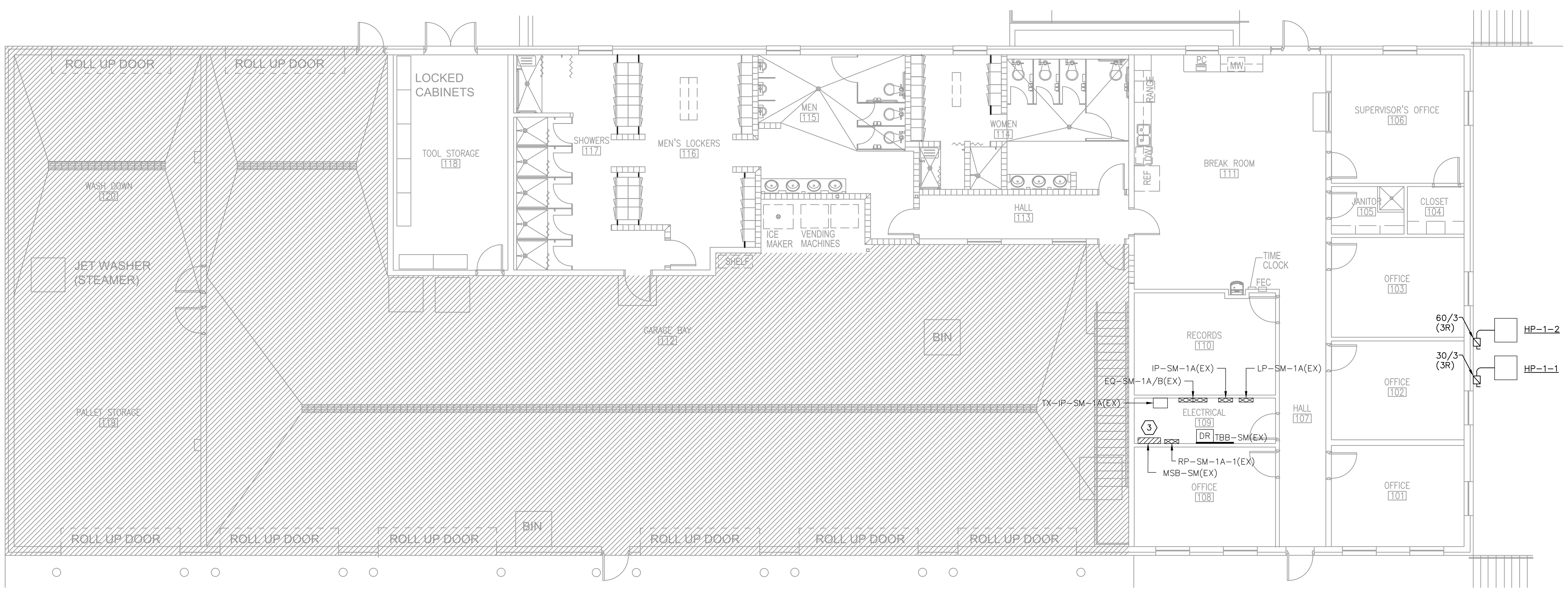
SHEET TITLE
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER
P3.0

PROJECT NUMBER
202123



GROUND FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH



GROUND FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com

CCE No. 22S2H05 Date: Mar 28, 2024
File: EP-03.dwg Time: 11:08:56 am

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

PLAN NOTES THIS SHEET:

1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.

2. EXISTING EQUIPMENT TO REMAIN. PROTECT EXISTING CONDUIT, WIRING, AND CONNECTIONS AS REQUIRED.

3. EXISTING PANEL IS A SQUARE D I-LINE SERIES, 600 AMP, MAIN BREAKER, 120/208 VOLT, 3 PHASE 4 WIRE, 65KAIC. PROVIDE NEW BREAKERS AS CALLED FOR IN SCHEDULES AND/ OR PLAN NOTES.

CH-4

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
HP-1-1	208	3	34.5 MCA	50	60/3 (3R)	MSB-SM	8	50/3	1
HP-1-2	208	3	14.5 MCA	25	30/3 (3R)	MSB-SM	10	25/3	1

SCHEDULE NOTE:
1) NEW BREAKER TO BE MOUNTED IN AVAILABLE SPACE. SEE PLAN NOTES FOR EXISTING PANEL DESCRIPTION AND CHARACTERISTICS.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1299 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

JAMIE L. BAILEY PROFESSIONAL ENGINEER No. 31921
3/28/24

STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
www.studio2hd.com
OFFICE: 205-264-9988
FAX: 205-264-9992

NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

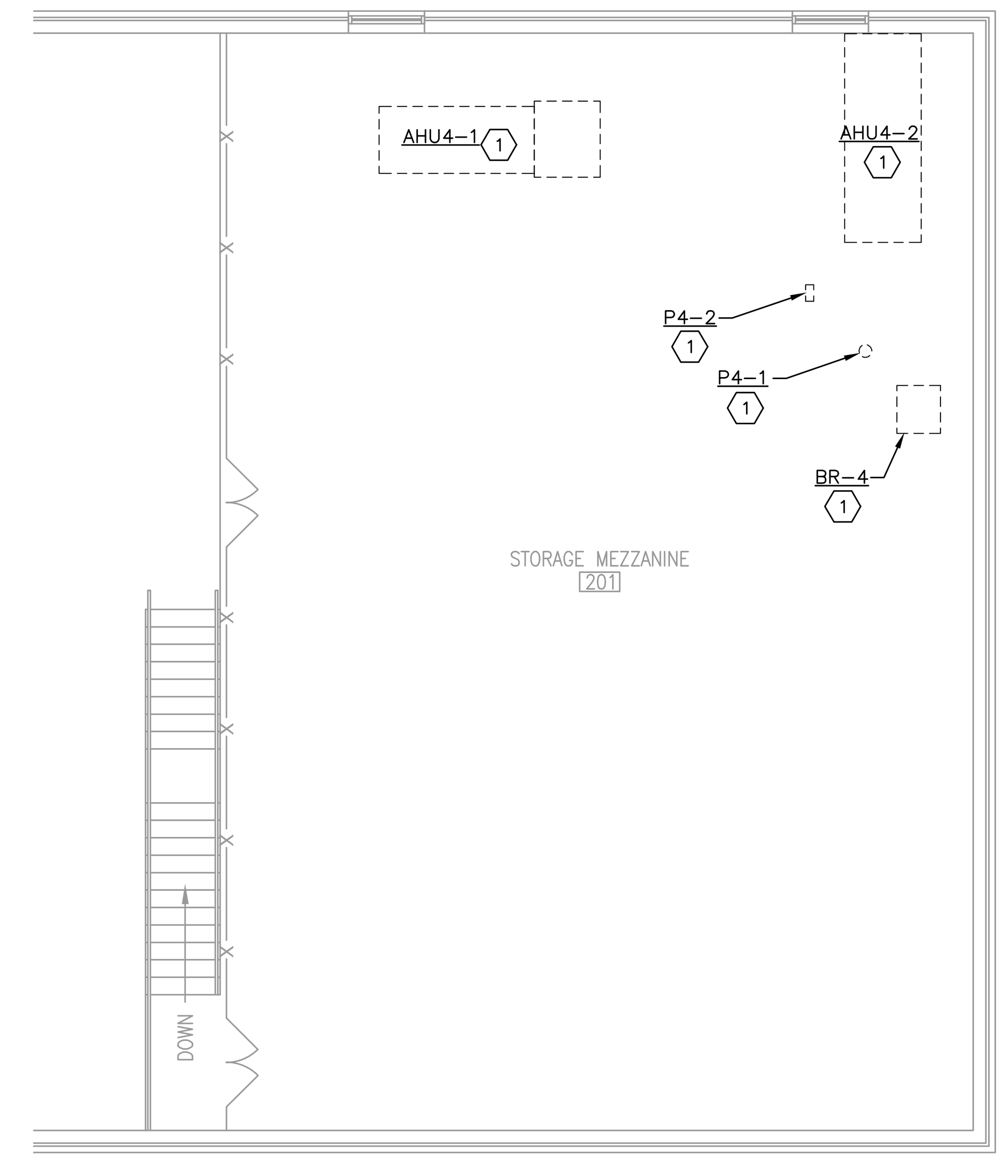
LOCATION
SHADES VALLEY BUILDING **#1299**
SEWER LINE MAINTENANCE

SHEET TITLE
GROUND FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E3.0

PROJECT NUMBER
202123

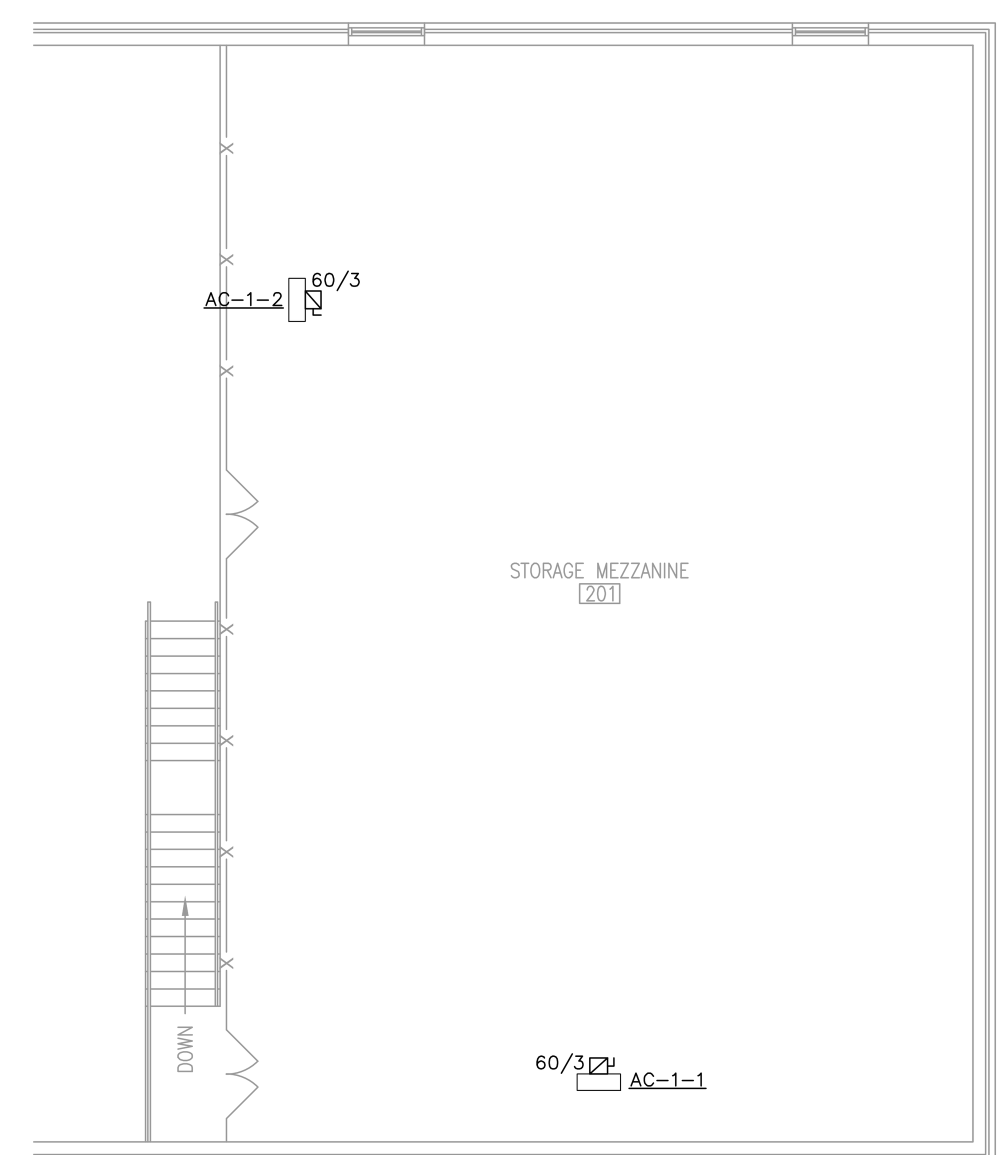
30% DESIGN REVIEW



MEZZANINE FLOOR PLAN - DEMOLITION

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

NORTH



MEZZANINE FLOOR PLAN - POWER & AUXILIARY

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

NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Δ Web: www.cce-eng.com

CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-03.dwg Time: 3:58:09 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
AC-1-1	208	3	48 MCA	50	60/3 (1R)	MSB-SM	12	50/3	1
AC-1-2	208	3	34.5 MCA	35	60/3 (1R)	MSB-SM	14	40/3	1

SCHEDULE NOTE:
1) NEW BREAKER TO BE MOUNTED IN AVAILABLE SPACE. SEE PLAN NOTES FOR EXISTING PANEL DESCRIPTION AND CHARACTERISTICS.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1299 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
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FAX: 205-264-9992

NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING **#1299**
SEWER LINE MAINTENANCE

SHEET TITLE

MEZZANINE FLOOR PLANS - ELECTRICAL

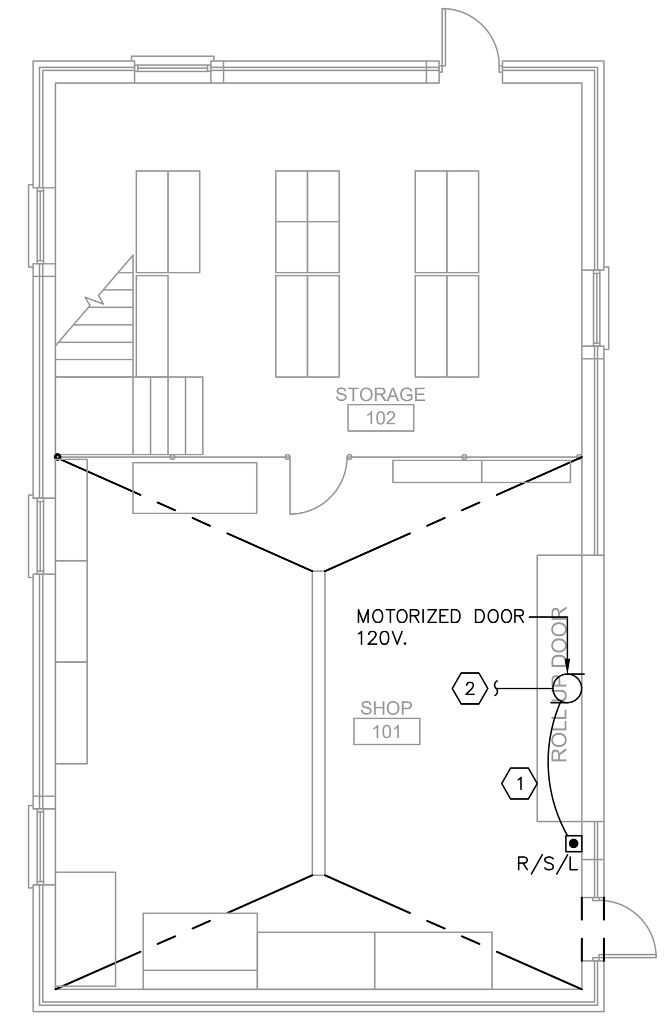
DRAWING NUMBER

E3.1

PROJECT NUMBER

202123

30% DESIGN REVIEW



FIRST FLOOR PLAN - ELECTRICAL

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

NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
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CCE No.	22S2H05	Date:	Apr 10, 2024
File:	EP-04.dwg	Time:	3:59:30 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

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G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING MOTORIZED ROLL-UP DOOR TO BE REMOVED AND REPLACED BY OTHERS. DISCONNECT AND PREPARE EXISTING CONDUIT AND WIRING FOR CONNECTION TO NEW.

2. NEW ROLL-UP INSTALLED BY OTHERS. RECONNECT TO EXISTING 120 VOLT CIRCUIT (IN KIND) AS REQUIRED. PROVIDE CONTROL WIRING FROM RAISE-STOP-LOWER BUTTON TO MOTOR AS REQUIRED.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1300 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMIE L. BAILEY
3/28/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

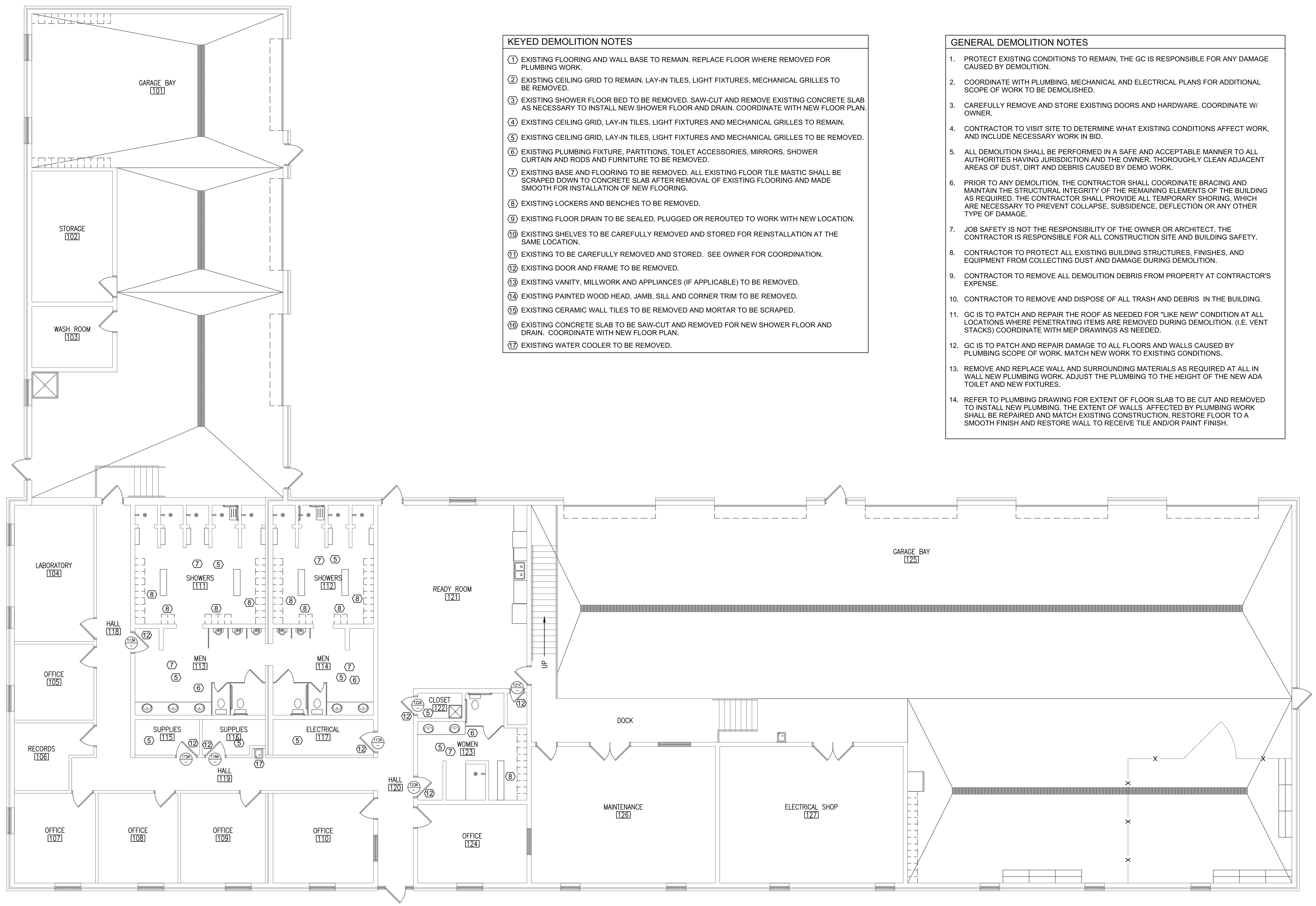
LOCATION
SHADES VALLEY BUILDING **#1300** MAINTENANCE

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E4.0

PROJECT NUMBER
202123

30% DESIGN REVIEW



KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR INSTALLATION OF NEW FLOORING.
8. EXISTING LOCKERS AND BENCHES TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
17. EXISTING WATER COOLER TO BE REMOVED.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.

NORTH

01 DEMOLITION PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1310 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
www.studio2hd.com
OFFICE: 205-264-9988
FAX: 205-264-9992

NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING **#1310**
PUMP STATION

SHEET TITLE
DEMOLITION PLAN

DRAWING NUMBER
A5.0

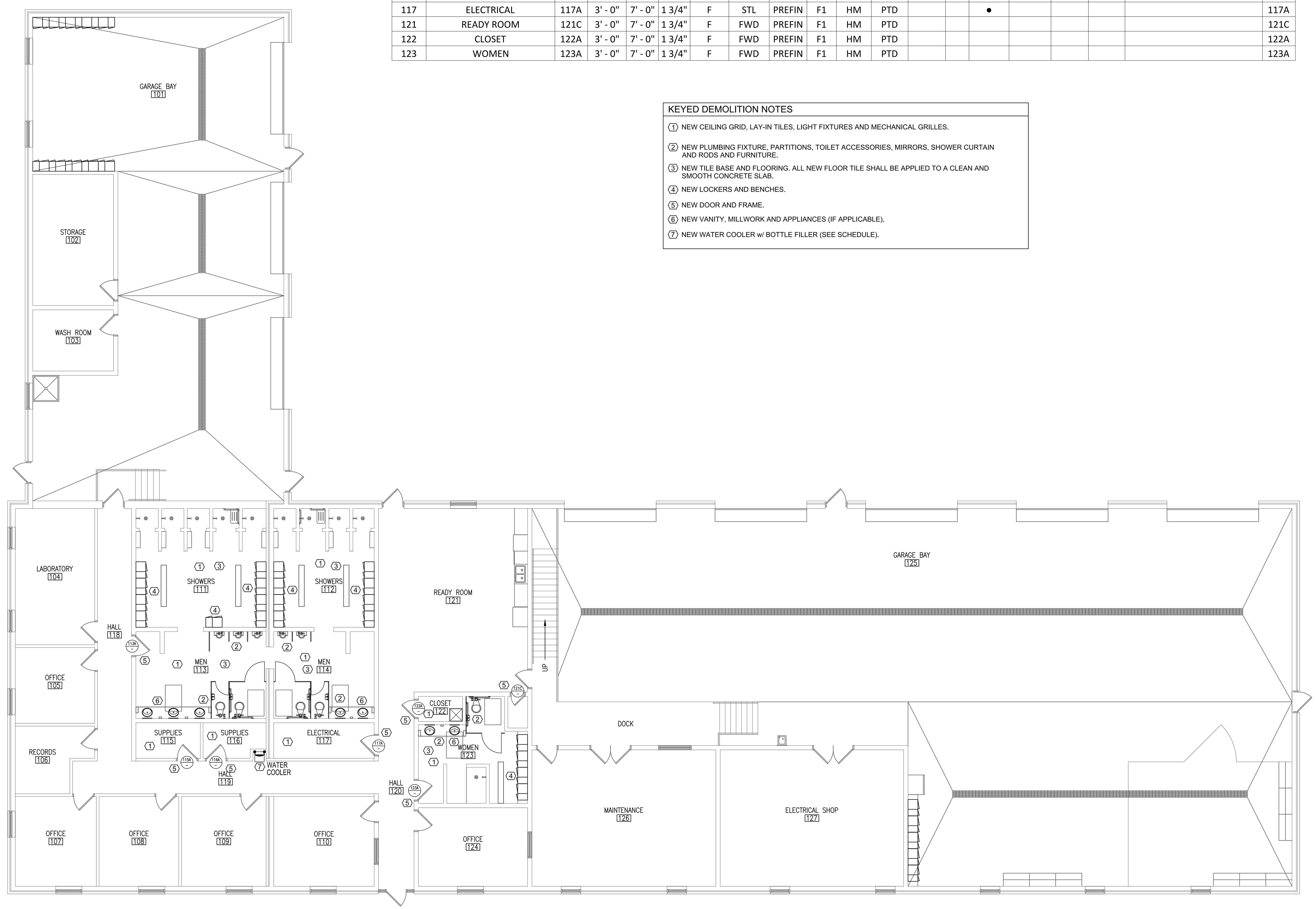
PROJECT NUMBER
202123

DOOR SCHEDULE

IDENTIFICATION			DIMENSIONS			PANEL			FRAME			FIRE RATING (Min)	HARDWARE		DETAILS			REMARKS	DOOR NO.
ROOM NO.	ROOM NAME	DOOR NO.	WIDTH W1	HGT	THK	TYPE	MAT	FIN	TYPE	MAT	FIN		HW SET	CARD READER	HEAD	JAMB	SILL		
113	MEN	113A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								113A
115	SUPPLIES	115A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								115A
116	SUPPLIES	116A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								116A
117	ELECTRICAL	117A	3' - 0"	7' - 0"	1 3/4"	F	STL	PREFIN	F1	HM	PTD			•					117A
121	READY ROOM	121C	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								121C
122	CLOSET	122A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								122A
123	WOMEN	123A	3' - 0"	7' - 0"	1 3/4"	F	FWD	PREFIN	F1	HM	PTD								123A

KEYED DEMOLITION NOTES

1. NEW CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES.
2. NEW PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE.
3. NEW TILE BASE AND FLOORING. ALL NEW FLOOR TILE SHALL BE APPLIED TO A CLEAN AND SMOOTH CONCRETE SLAB.
4. NEW LOCKERS AND BENCHES.
5. NEW DOOR AND FRAME.
6. NEW VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE).
7. NEW WATER COOLER w/ BOTTLE FILLER (SEE SCHEDULE).



NORTH

01 GROUND FLOOR PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE
1310 OAK GROVE RD S, BIRMINGHAM, AL 35209

SEAL
STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION □

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

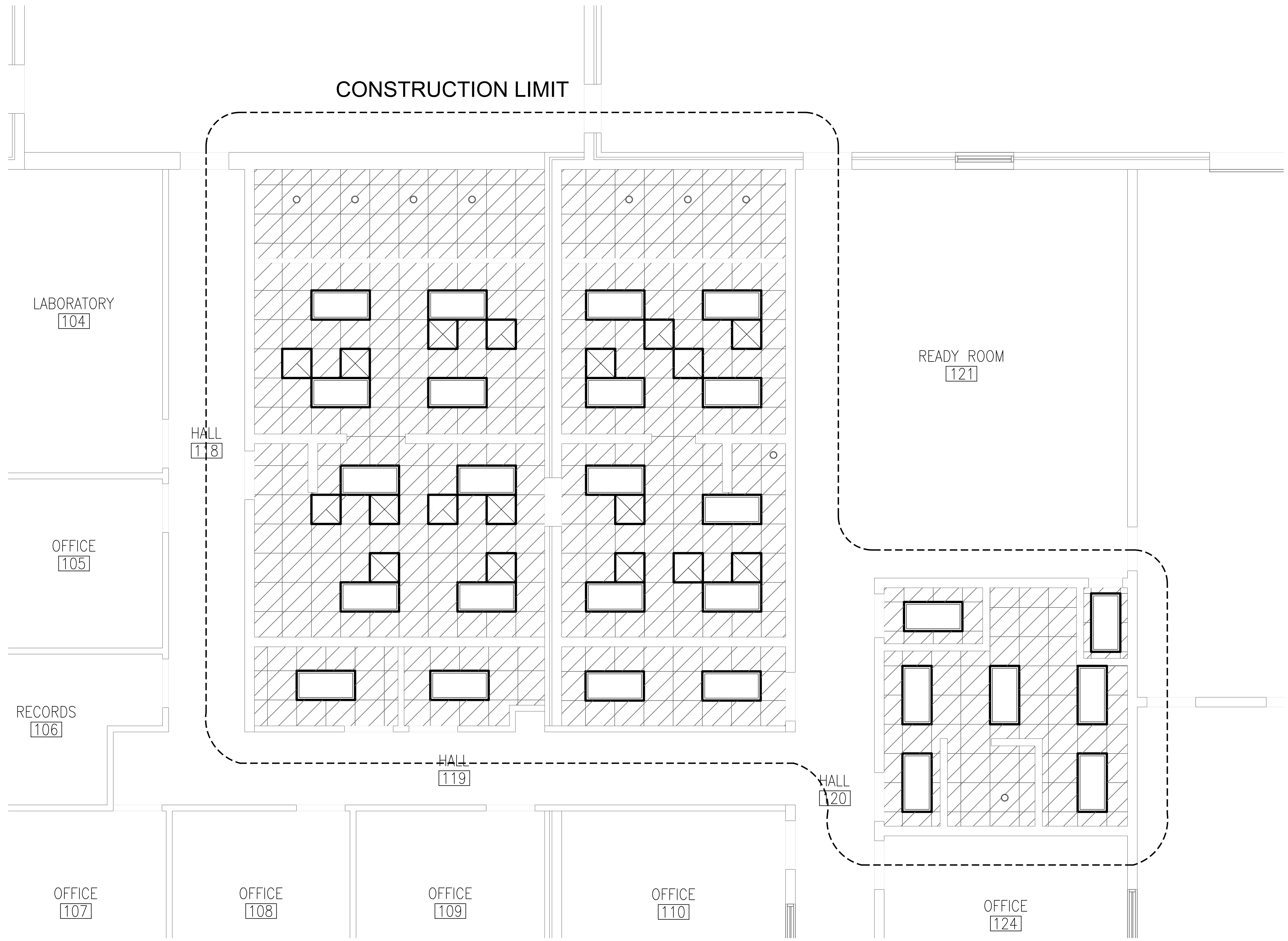
REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1310
PUMP STATION
SHEET TITLE
FLOOR PLAN

DRAWING NUMBER
A5.1
PROJECT NUMBER
202123



NORTH

01 REFLECTED CEILING PLAN
Scale: 0'-1/4"= 1'-0"

REFLECTED CEILING PLAN NOTES

1. IN CLOSET 104, JANITOR 109 AND ELECTRIC 106, EXISTING CEILING GRID, TILES AND LIGHT FIXTURES TO REMAIN.
2. IN CORRIDOR 112, SUPERVISOR'S OFFICE 103, RECORDS ROOM 107, OFFICES 1, 2, 3 AND 4, INSTALL NEW LIGHT FIXTURES AT THE SAME LOCATION AS THEY WERE ORIGINALLY LOCATED. INSTALL MECHANICAL GRILLES CLOSE TO WHERE THEY WERE LOCATED TO MINIMIZE DUCT WORK.
3. IN BREAKROOM 110 AND PASSAGE 108, INSTALL MECHANICAL GRILLES WHERE THEY WERE ORIGINALLY LOCATED.
4. AT GYP. BD. SOFFIT IN MEN'S LOCKER, SHOWER, AND TOILET, PAINT VERTICAL AND HORIZONTAL SURFACE WITH "PT-2".

RCP LEGEND

- NEW 2X2 LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- NEW 2X2 VINYL-COVERED LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- GYP BD SOFFIT: ⅝" GYP BD ON 3⅝" METAL FRAMING
- NEW 2X4 LIGHT FIXTURE
- NEW EXIT LIGHT
- NEW SUPPLY GRILLE
- NEW RETURN GRILLE
- NEW EXHAUST GRILLE
- 8'-6" CEILING HEIGHT ABOVE FINISH FLOOR

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

STUDIO 2H DESIGN
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1721 4th AVENUE NORTH
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www.studio2hd.com
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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION □

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING #1310

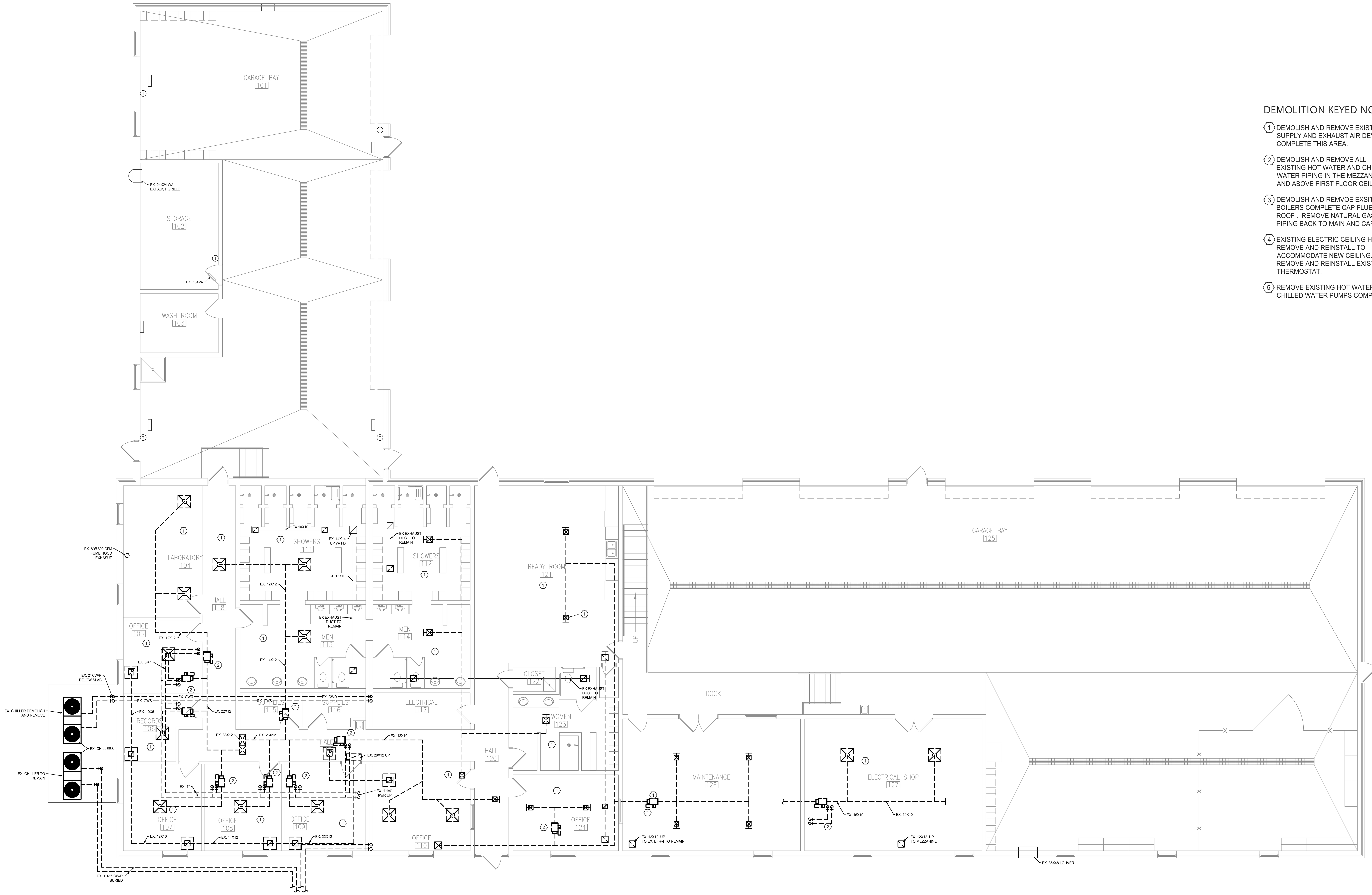
SHEET TITLE
REFLECTED CEILING PLAN

DRAWING NUMBER
A5.2

PROJECT NUMBER
202123

BBG&S Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE THIS AREA.
2. DEMOLISH AND REMOVE ALL EXISTING HOT WATER AND CHILLED WATER PIPING IN THE MEZZANINE AND ABOVE FIRST FLOOR CEILING
3. DEMOLISH AND REMVOE EXISTING BOILERS COMPLETE CAP FLUE AT ROOF. REMOVE NATURAL GAS PIPING BACK TO MAIN AND CAP.
4. EXISTING ELECTRIC CEILING HEATER REMOVE AND REINSTALL TO ACCOMMODATE NEW CEILING. REMOVE AND REINSTALL EXISTING THERMOSTAT.
5. REMOVE EXISTING HOT WATER AND CHILLED WATER PUMPS COMPLETE.

7 HVAC DUCTWORK PLAN - PUMP STATION BUILDING DEMOLITION
1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 36812 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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BIRMINGHAM, AL 35203
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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

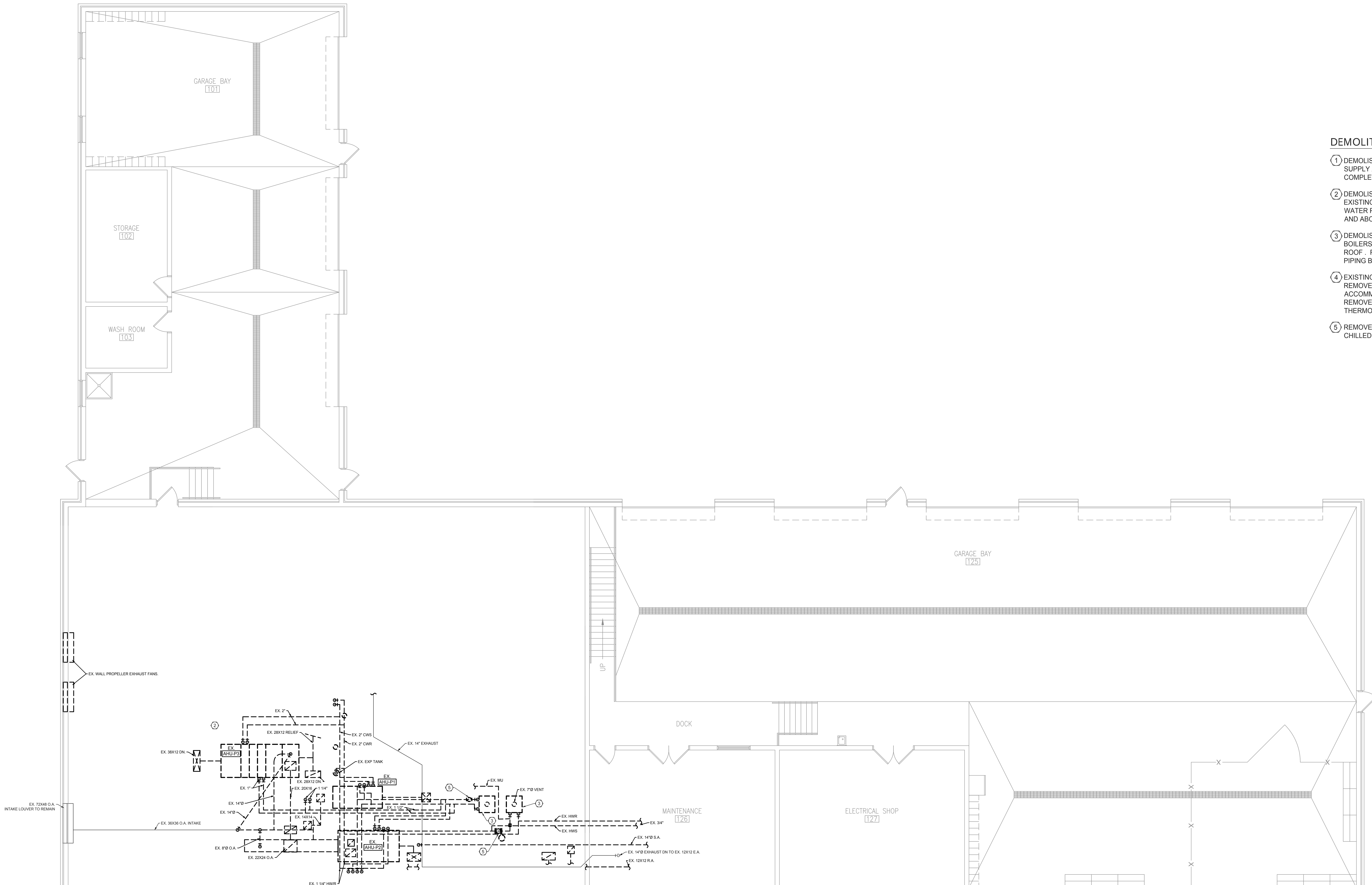
JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY - PUMP STATION BUILDING 1310

SHEET TITLE
FLOOR PLAN - PUMP STATION BLDG - HVAC DEMOLITON

DRAWING NUMBER
M5.0

PROJECT NUMBER
202123



7 HVAC DUCTWORK PLAN - MEZZANINE PUMP STATION BUILDING DEMOLITION
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE THIS AREA.
2. DEMOLISH AND REMOVE ALL EXISTING HOT WATER AND CHILLED WATER PIPING IN THE MEZZANINE AND ABOVE FIRST FLOOR CEILING
3. DEMOLISH AND REMVOE EXISTING BOILERS COMPLETE CAP FLUE AT ROOF . REMOVE NATURAL GAS PIPING BACK TO MAIN AND CAP.
4. EXISTING ELECTRIC CEILING HEATER REMOVE AND REINSTALL TO ACCOMMODATE NEW CEILING. REMOVE AND REINSTALL EXISTING THERMOSTAT.
5. REMOVE EXISTING HOT WATER AND CHILLED WATER PUMPS COMPLETE.

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 25612 LAWRENCE J. BOHNESS
21.09.192
3/29/24

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REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY - PUMP STATION BLDG. 1310

SHEET TITLE
FLOOR PLAN - PUMP STATION BLDG - HVAC DEMOLITION

DRAWING NUMBER
M5.1

PROJECT NUMBER
202123

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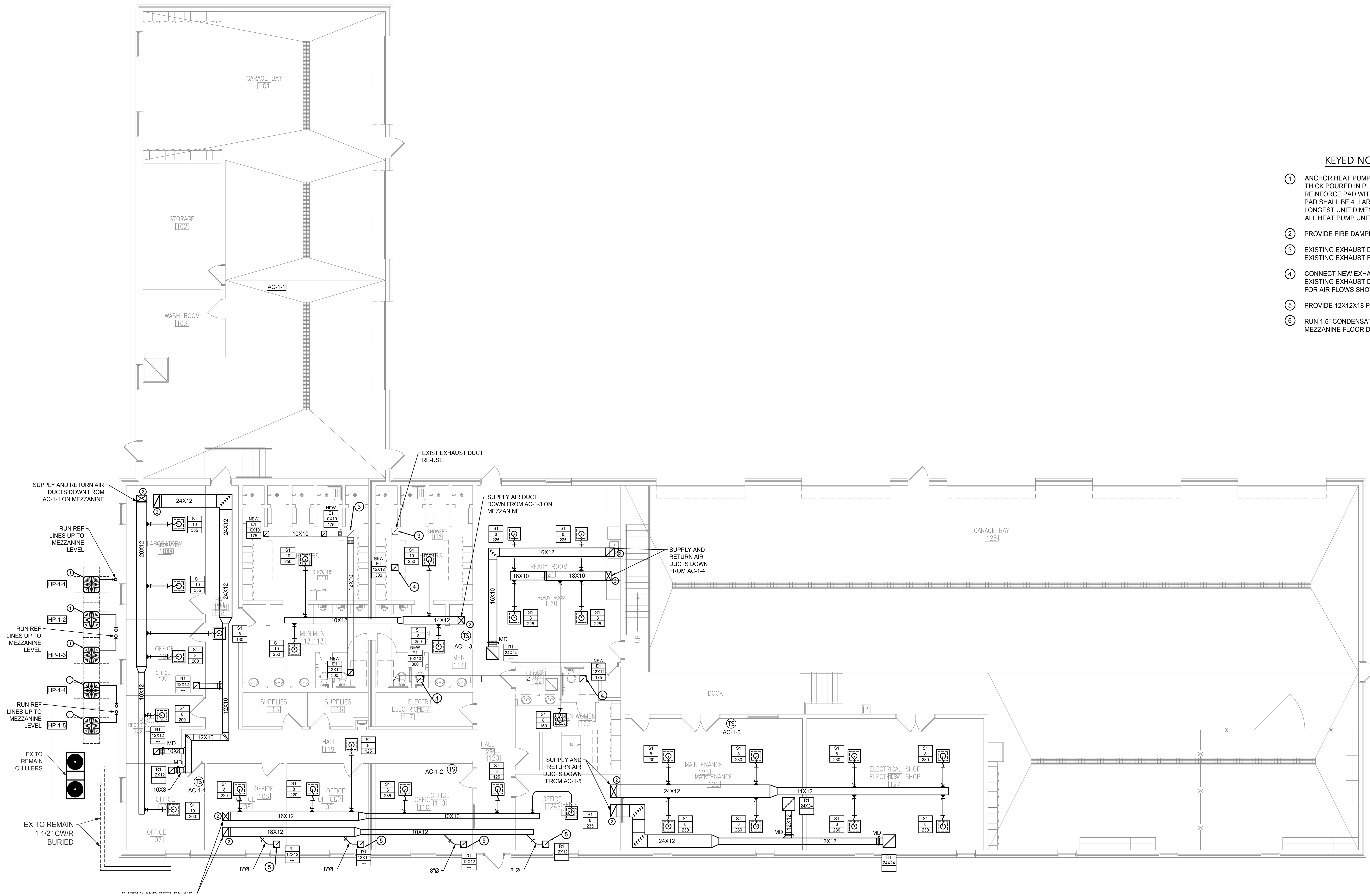
DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



HVAC DUCTWORK PLAN - PUMP STATION BUILDING
1/8" = 1'-0"

KEYED NOTES:

1. ANCHOR HEAT PUMP UNIT TO NEW 4" THICK POURED IN PLACE CONC. PAD. REINFORCE PAD WITH REBAR 12 " OC. PAD SHALL BE 4" LARGER THAN LONGEST UNIT DIMENSION. TYPICAL ALL HEAT PUMP UNITS.
2. PROVIDE FIRE DAMPER AT FLOOR.
3. EXISTING EXHAUST DUCT UP TO EXISTING EXHAUST FAN IN MEZZANINE.
4. CONNECT NEW EXHAUST GRILLE TO EXISTING EXHAUST DUCT. RE-BALANCE FOR AIR FLOWS SHOWN.
5. PROVIDE 12X12X18 PLENUM BOX.
6. RUN 1.5" CONDENSATE DRAINS TO MEZZANINE FLOOR DRAIN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 26512 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY
PUMP STATION BUILDING 1310

SHEET TITLE
FLOOR PLAN - HVAC NEW WORK

DRAWING NUMBER
M5.2

PROJECT NUMBER
202123

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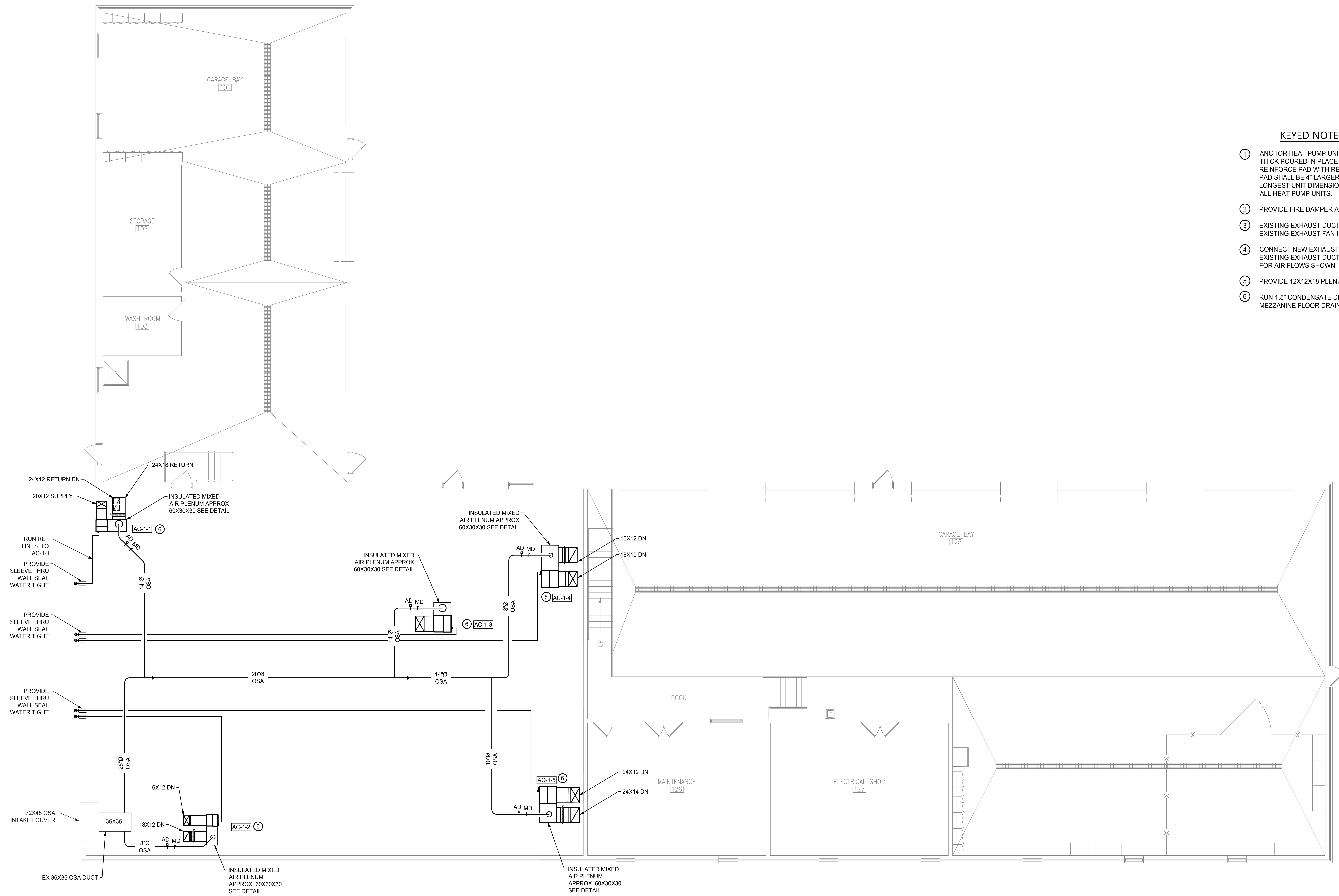

7 HVAC DUCTWORK PLAN - MEZZANINE PUMP STATION BUILDING
1/8" = 1'-0"

KEYED NOTES:

1. ANCHOR HEAT PUMP UNIT TO NEW 4" THICK POURED IN PLACE CONC. PAD. REINFORCE PAD WITH REBAR 12 " OC. PAD SHALL BE 4" LARGER THAN LONGEST UNIT DIMENSION. TYPICAL ALL HEAT PUMP UNITS.
2. PROVIDE FIRE DAMPER AT FLOOR.
3. EXISTING EXHAUST DUCT UP TO EXISTING EXHAUST FAN IN MEZZANINE.
4. CONNECT NEW EXHAUST GRILLE TO EXISTING EXHAUST DUCT. RE-BALANCE FOR AIR FLOWS SHOWN.
5. PROVIDE 12X12X18 PLENUM BOX.
6. RUN 1.5" CONDENSATE DRAINS TO MEZZANINE FLOOR DRAIN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 9512 LAWRENCE J. BOWNESS
21.09.192
3/29/24

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DATE: 3/29/24
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REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY
PUMP STATION BUILDING 1310

SHEET TITLE
FLOOR PLAN -
HVAC NEW WORK

DRAWING NUMBER
M5.3

PROJECT NUMBER
202123

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DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
2. DISCONNECT AND REMOVE EXISTING URINAL COMPLETE. REMOVE EXISTING CW, SAN. AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
4. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN, HEAD, AND VALVE COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
5. DISCONNECT AND REMOVE EXISTING ELECTRIC WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.

GENERAL DEMOLITION NOTES

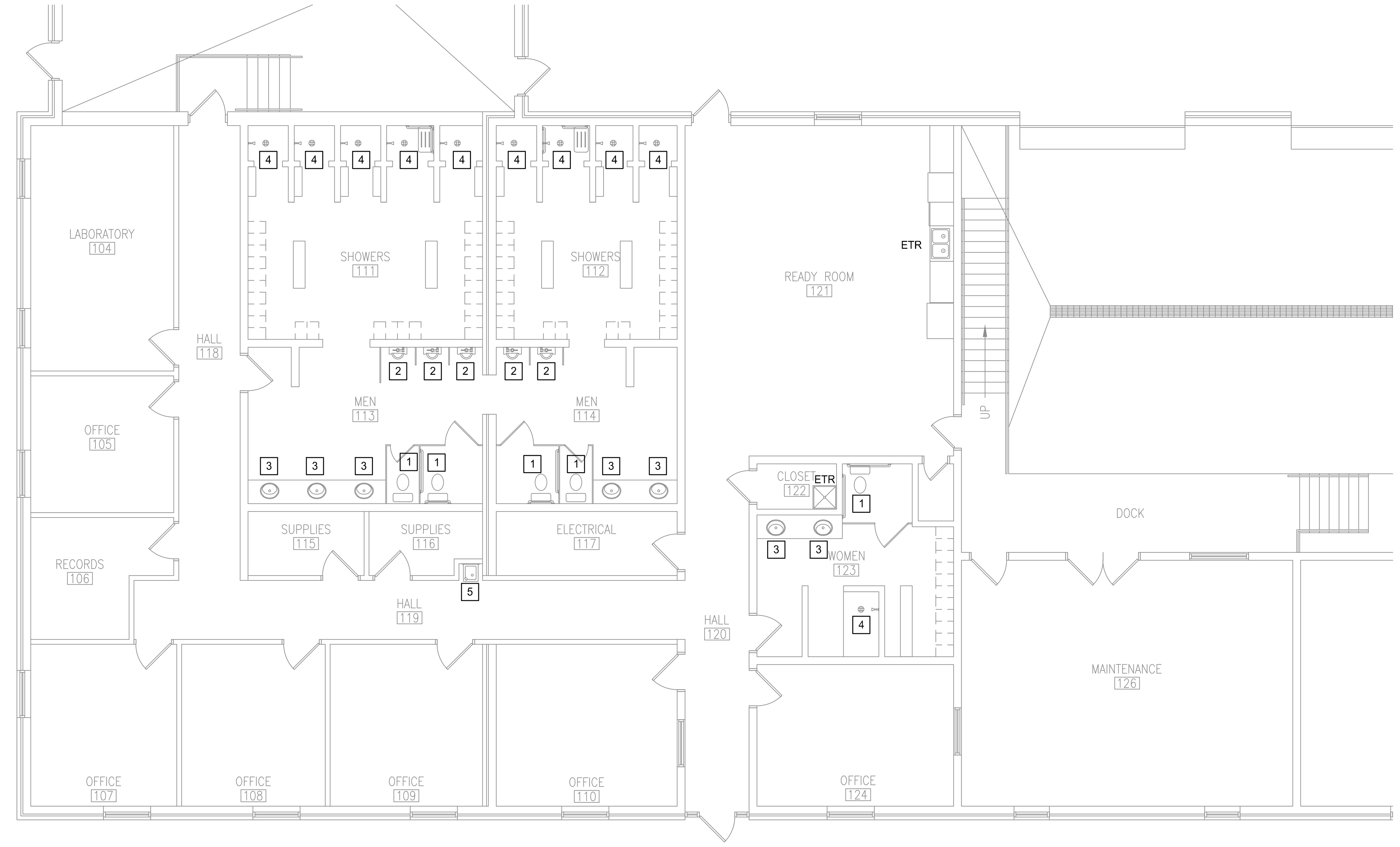
A. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

B. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

C. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

D. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

E. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



NORTH

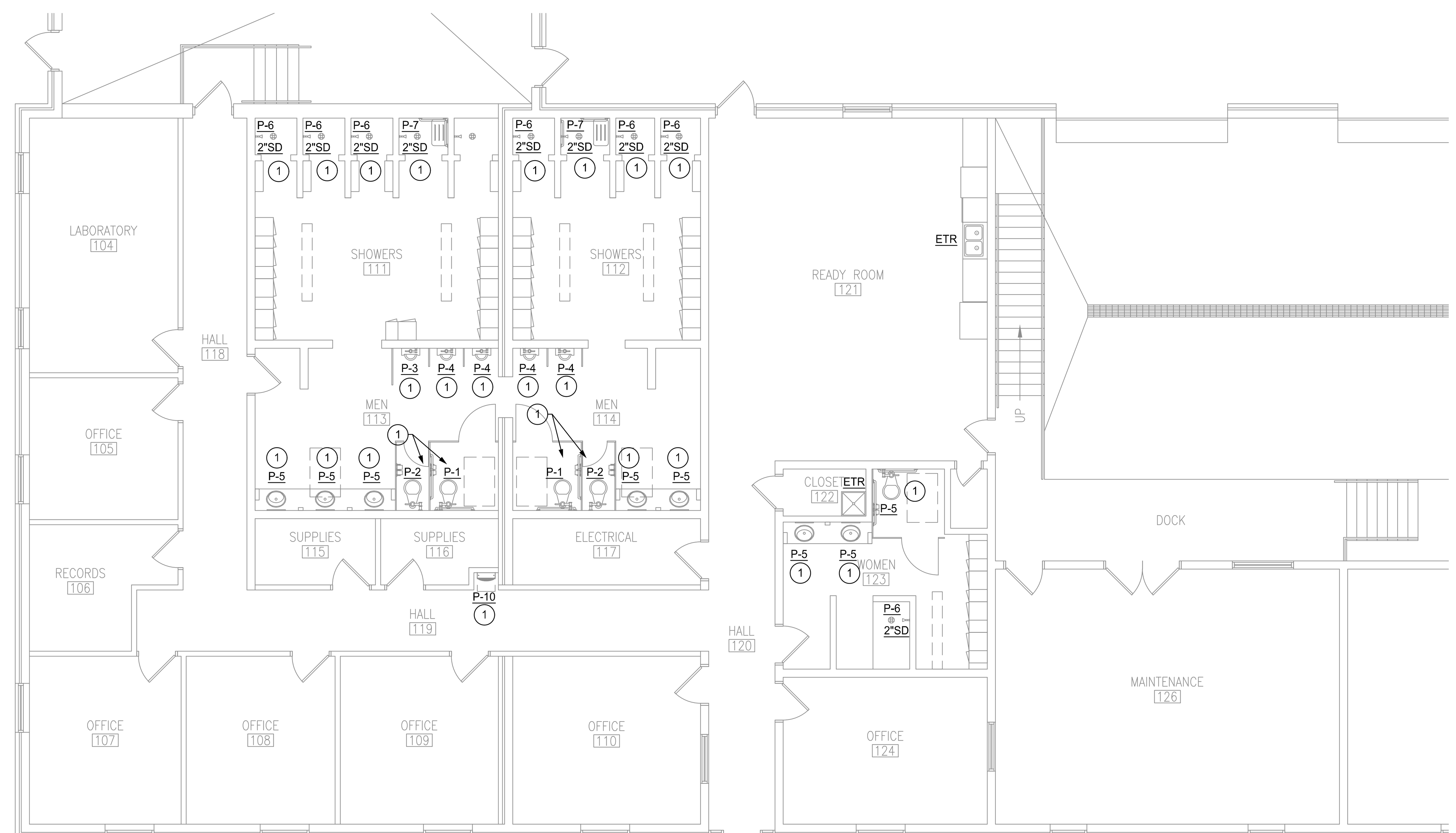
02 P5.0 PLUMBING DEMOLITION PLAN
Scale: 1/8"= 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.



NORTH

01 P5.0 PLUMBING NEW WORK PLAN
Scale:1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 19512 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

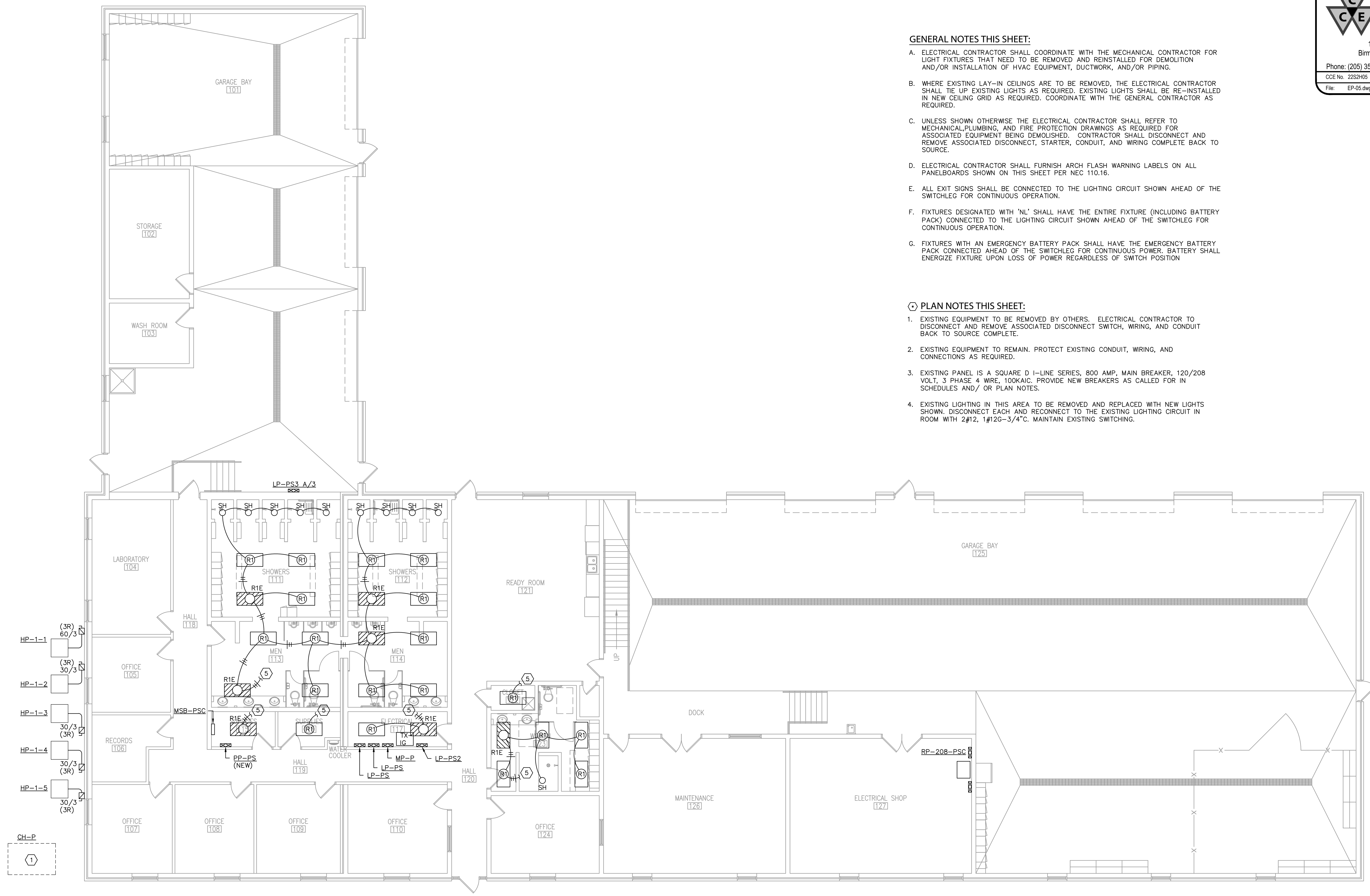
NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING #1310 PUMP STATION

SHEET TITLE
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER
P5.0

PROJECT NUMBER
202123



FIRST FLOOR PLAN - ELECTRICAL

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

NORTH

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.
2. EXISTING EQUIPMENT TO REMAIN. PROTECT EXISTING CONDUIT, WIRING, AND CONNECTIONS AS REQUIRED.
3. EXISTING PANEL IS A SQUARE D I-LINE SERIES, 800 AMP, MAIN BREAKER, 120/208 VOLT, 3 PHASE 4 WIRE, 100KAIC. PROVIDE NEW BREAKERS AS CALLED FOR IN SCHEDULES AND/ OR PLAN NOTES.
4. EXISTING LIGHTING IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW LIGHTS SHOWN. DISCONNECT EACH AND RECONNECT TO THE EXISTING LIGHTING CIRCUIT IN ROOM WITH 2#12, 1#12G-3/4"C. MAINTAIN EXISTING SWITCHING.

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
HP-1-1	208	3	34.5 MCA	50	60/3 (3R)	PP-PS	2,4,6	40/3	-
HP-1-2	208	3	11.7 MCA	20	30/3 (3R)	PP-PS	8,10,12	60/3	-
HP-1-3	208	3	27.5 MCA	45	30/3 (3R)	PP-PS	14,16,18	60/3	-
HP-1-4	208	3	11.7 MCA	20	30/3 (3R)	PP-PS	20,22,24	60/3	-
HP-1-5	208	3	21.5 MCA	30	30/3 (3R)	PP-PS	26,28,30	60/3	-

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com
CCE No. 2252H05 Date: Apr 10, 2024
File: EP-05.dwg Time: 3:59:54 pm

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1310 OAK GROVE RD S, BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31921 JAMIE L. BAILEY
3/28/24

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1310
PUMP STATION

SHEET TITLE

GROUND FLOOR PLAN - POWER & AUXILIARY

DRAWING NUMBER

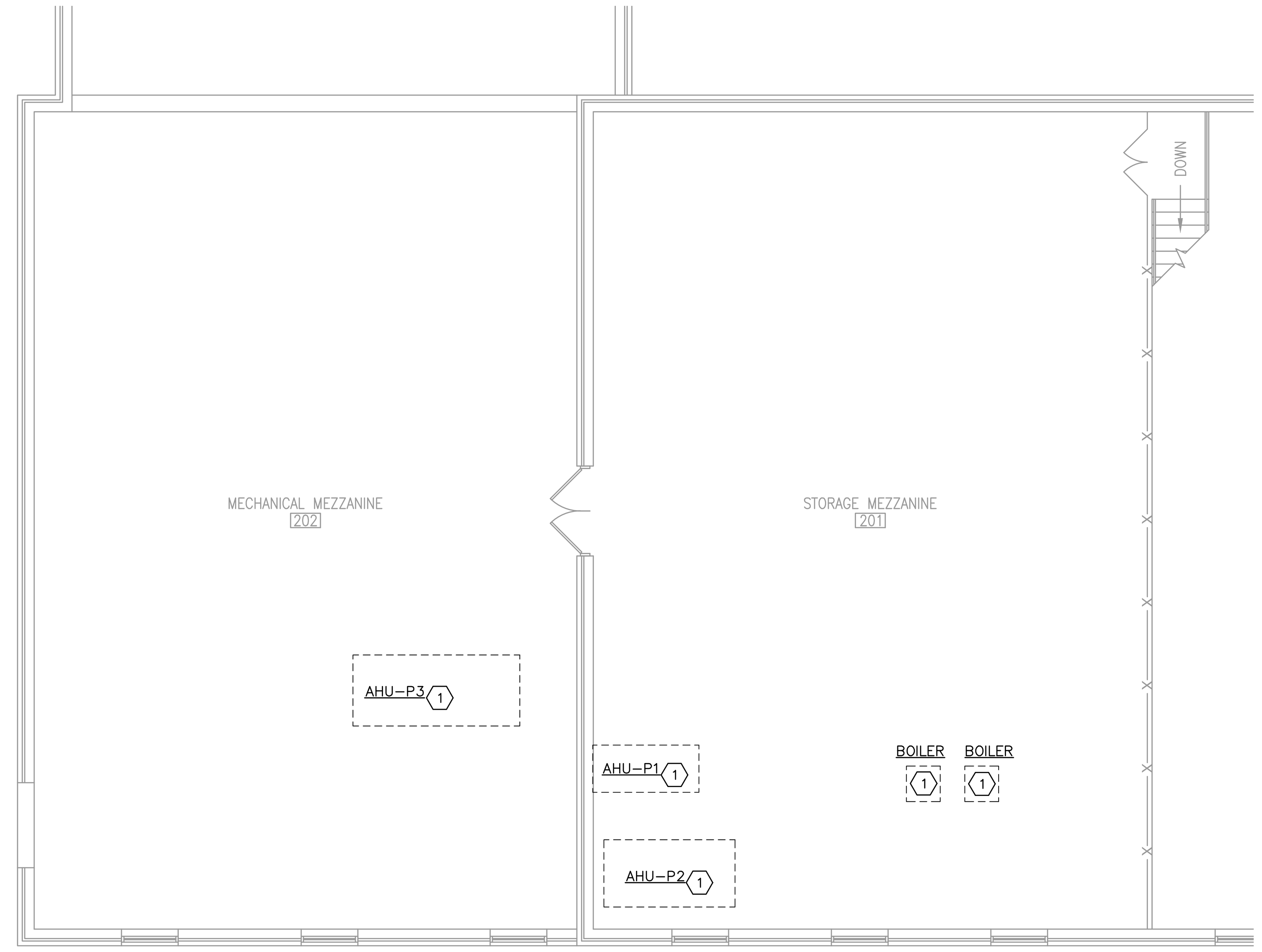
E5.0

PROJECT NUMBER

202123

30% DESIGN REVIEW

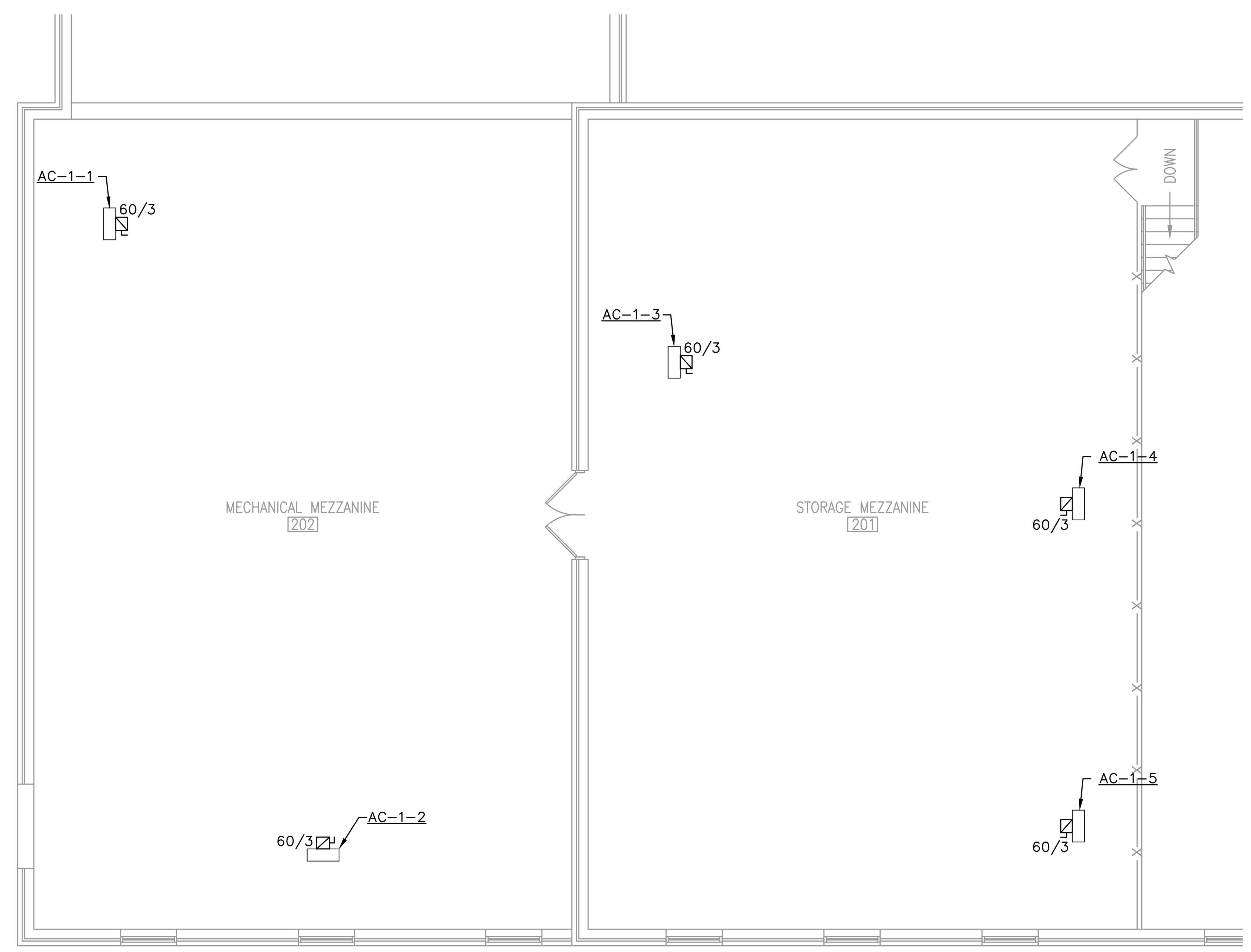
CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com
CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-05.dwg Time: 4:00:44 pm



MEZZANINE FLOOR PLAN - DEMOLITION

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

NORTH



MEZZANINE FLOOR PLAN - ELECTRICAL

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

NORTH

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
AC-1-1	208	3	48 MCA	50	60/3 (1R)	MSB-PSC	--	40/3	1
AC-1-2	208	3	32 MCA	35	60/3 (1R)	PP-PS	1,3,5	60/3	·
AC-1-3	208	3	34.9 MCA	35	60/3 (1R)	PP-PS	2,4,6	60/3	·
AC-1-4	208	3	32 MCA	35	60/3 (1R)	PP-PS	8,10,12	60/3	·
AC-1-5	208	3	49.5 MCA	50	60/3 (1R)	MSB-PSC	--	60/3	1

SCHEDULE NOTE:
1) NEW BREAKER TO BE MOUNTED IN AVAILABLE SPACE. SEE PLAN NOTES FOR EXISTING PANEL DESCRIPTION AND CHARACTERISTICS.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1310 OAK GROVE RD S, BIRMINGHAM, AL 35209

SEAL

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REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1310 PUMP STATION

SHEET TITLE

MEZZANINE FLOOR PLANS - ELECTRICAL

DRAWING NUMBER

E5.1

PROJECT NUMBER

202123

30% DESIGN REVIEW

PANEL PP-PS

PANEL: PP-PS	PANEL AMPS	250 AMPS	VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ	MOUNTING	SURFACE
	MAIN TYPE	M.L.O.		NEMA RATING	NEMA 1
	MAIN BREAKER RATING	N/A	AIC RATING 42,000	LOCATION	ELECTRICAL ROOM
TYPE: BQL	SOLID NEUTRAL	100%	CALC FAULT CURRENT	FED FROM	PANEL MSB-PSC - 225/3 BKR
	GROUND BUS	100%	BREAKER FEATURES: **GFI** = GROUND FAULT CIRCUIT INTERRUPTER; **ST** = SHUNT TRIP; **TH** = TIE HANDLE; **AF** - ARC FAULT CIRCUIT INTERRUPTER; **LO** = LOCK-ON DEVICE		

ONE SECTION PANEL

CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE A	PHASE B	PHASE C	CKT LOAD	WIRE SIZE	DESCRIPTION	LOAD TYPE	BREAKER	CKT NO
1		HTG			3840	7980			4140			A/C		2
3	40/3	HTG	INDOOR UNIT AC-1-2	4#8, 1#10G-1"C.	3840		7980		4140	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-1-1	A/C	25/3	4
5		HTG			3840			7980	4140			A/C		6
7		HTG			4188	5928			1740			A/C		8
9	40/3	HTG	INDOOR UNIT AC-1-3	4#8, 1#10G-1"C.	4188		5928		1740	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-1-2	A/C	30/3	10
11		HTG			4188			5928	1740			A/C		12
13		HTG			3840	7140			3300			A/C		14
15	40/3	HTG	INDOOR UNIT AC-1-4	4#8, 1#10G-1"C.	3840		7140		3300	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-1-3	A/C	25/3	16
17		HTG			3840			7140	3300			A/C		18
19			SPACE			1740			1740			A/C		20
21			SPACE				1740		1740	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-1-4	A/C	30/3	22
23			SPACE					1740	1740			A/C		24
25			SPACE			2580			2580			A/C		26
27			SPACE				2580		2580	4#12, 1#12G-1"C.	OUTDOOR UNIT HP-1-5	A/C	20/3	28
29			SPACE					2580	2580			A/C		30
31			SPACE			0					SPACE			32
33			SPACE				0				SPACE			34
35			SPACE					0			SPACE			36
37			SPACE			0					SPACE			38
39			SPACE				0				SPACE			40
41			SPACE					0			SPACE			42
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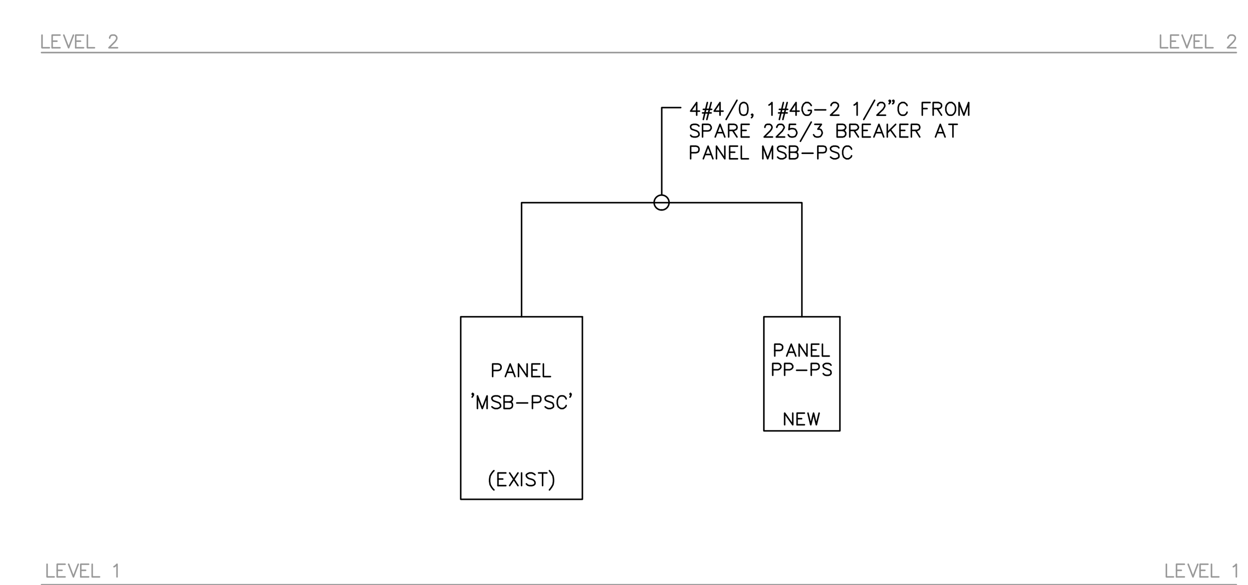

ELECTRICAL RISER DIAGRAM

SCALE: NONE

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com
CCE No. 2252H05 Date: Apr 10, 2024
File: ER-05.dwg Time: 4:04:42 pm

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1310 OAK GROVE RD S, BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMIE L. BAILEY
3/28/24

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
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BIRMINGHAM, AL 35203
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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING **#1310** PUMP STATION

SHEET TITLE

RISER DIAGRAM AND PANEL SCHEDULES

DRAWING NUMBER

E5.2

PROJECT NUMBER

202123

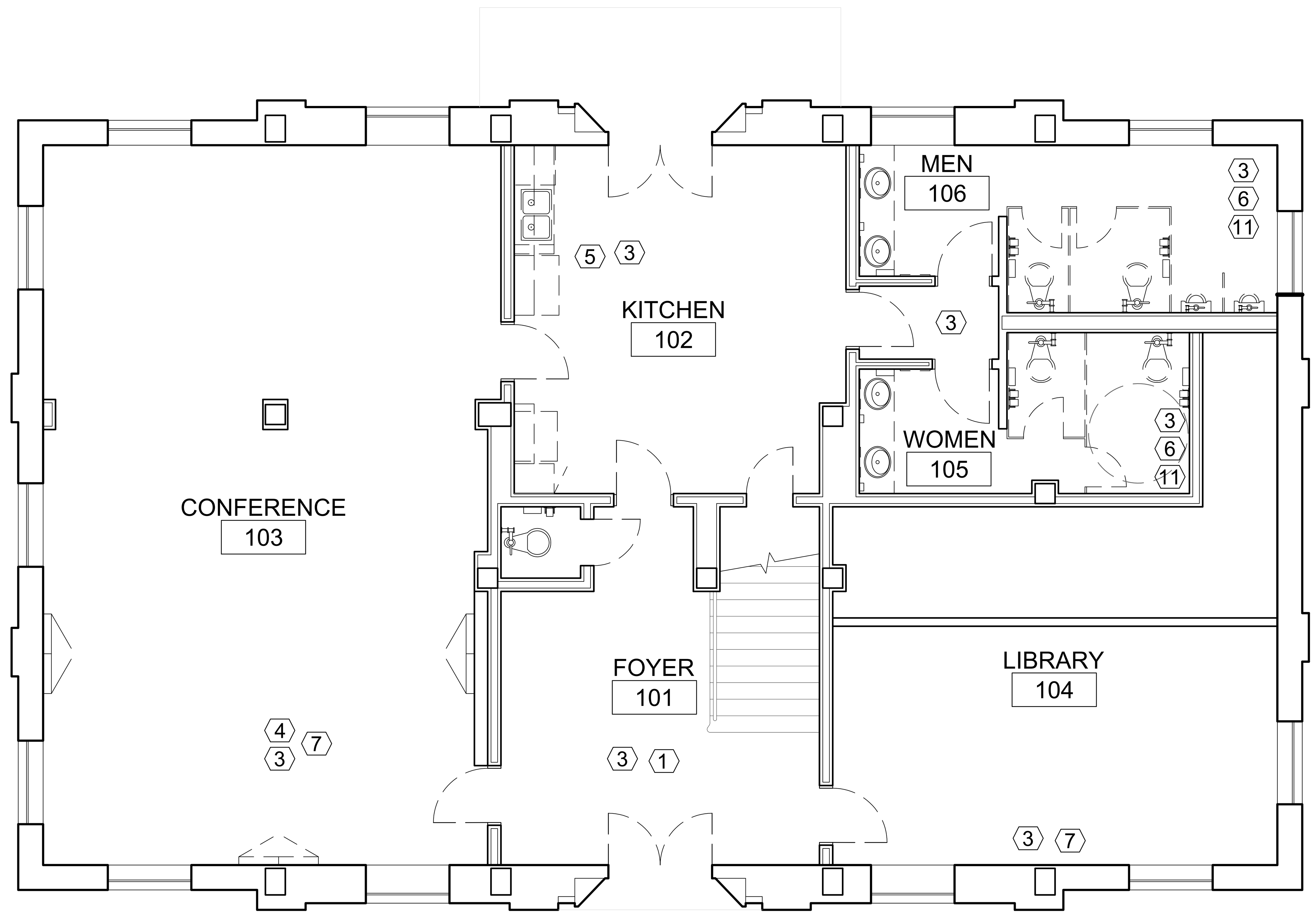
30% DESIGN REVIEW

KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK. PROTECT FLOORING AND WALL TRIM.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
4. EXISTING WHITE BOARD CABINET TO BE REMOVED CAREFULLY TO PRESERVE AND EXISTING CHAIR MOLDING TO BE REMOVED.
5. EXISTING MILLWORK, EQUIPMENT ACCESSORIES, ETC. TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING CARPET FLOOR SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR INSTALLATION OF NEW FLOORING.
8. EXISTING SHELVE TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT DIFFERENT LOCATION.
9. EXISTING DOORS TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
10. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
11. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
12. EXISTING PAINTED WALLS TO BE REMOVED.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



BUILDING #1330 TO BE COMPLETED LAST IN THE SHADES VALLEY CONSTRUCTION SEQUENCE.
EMPLOYEES OF BUILDING #1296 TO RELOCATE TO #1330 WHILE #1296 IS BEING RENOVATED.

NORTH

01 --- DEMOLITION PLAN
Scale: 0'-1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1330

SHEET TITLE

DEMOLITION PLAN

DRAWING NUMBER

A6.0

PROJECT NUMBER

202123

TOILET ACCESSORY SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

BREAK ROOM APPLIANCE SCHEDULE

ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.

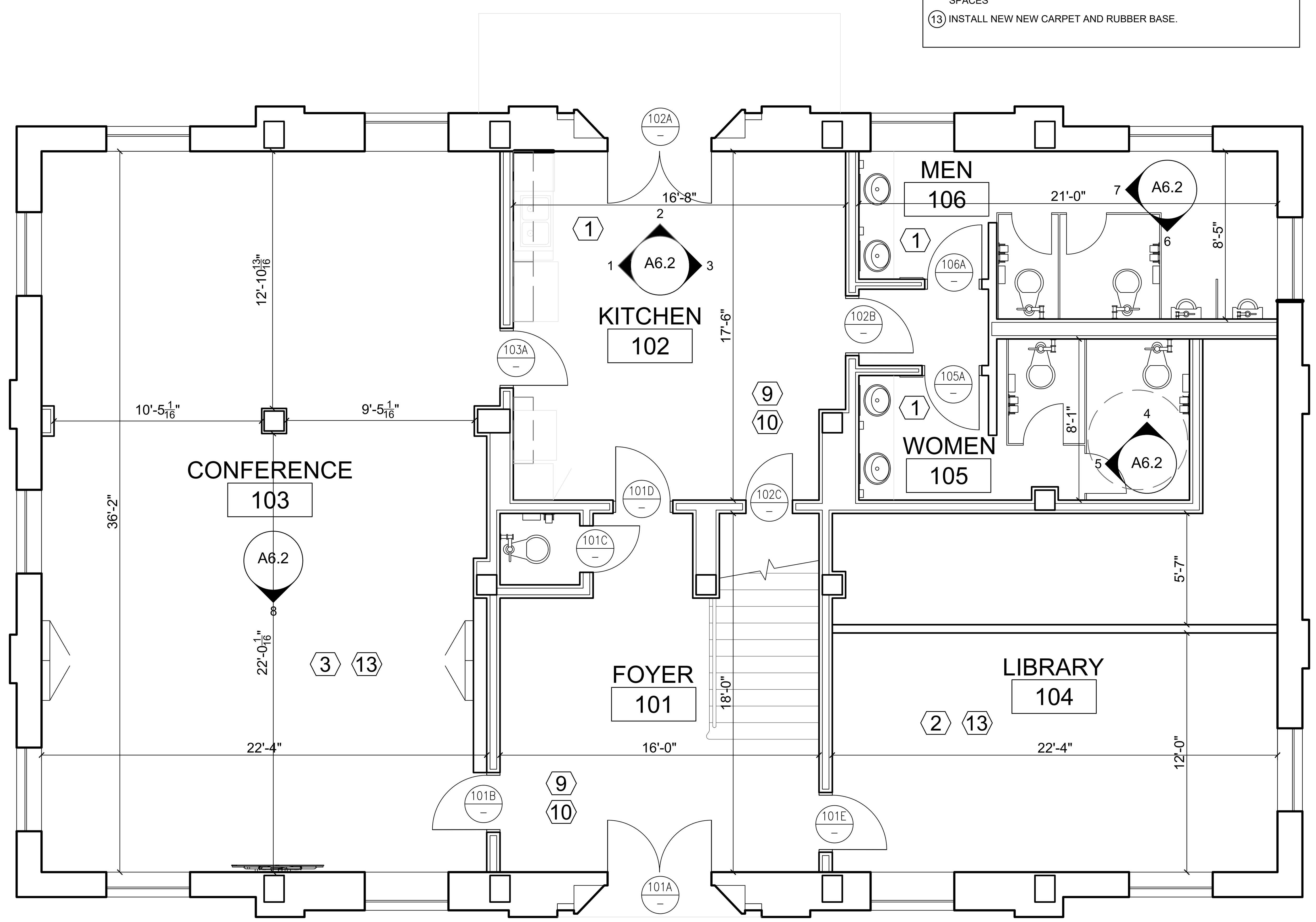
DOOR SCHEDULE

IDENTIFICATION			DIMENSIONS			PANEL			FRAME			FIRE RATING (Min)	HARDWARE		DETAILS			REMARKS	DOOR NO.
ROOM NO.	ROOM NAME	DOOR NO.	WIDTH W1	HGT	THK	TYPE	MAT	FIN	TYPE	MAT	FIN		HW SET	CARD READER	HEAD	JAMB	SILL		
101	FOYER	101A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								101A
101	FOYER	101B	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								102A
101	FOYER	101C	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								103A
101	FOYER	101D	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								104A
101	FOYER	101E	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								105A
102	KITCHEN	102A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								106A
102	KITCHEN	102B	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								106B
102	KITCHEN	102C	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								107A
103	CONFERENCE ROOM	103A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								108A
105	WOMEN'S RESTROOM	105A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								113A
106	MEN'S RESTROOM	106A	3' - 0"	7' - 0"	1 3/4"	FN	FWD	PREFIN	F1	HM	PTD								114A

KEYED FLOOR PLAN NOTES

1. INSTALL BLOCKING AS REQUIRED FOR INSTALLATION OF NEW MILLWORK, EQUIPMENT, ACCESSORIES, ETC.
2. TIME CLOCK TO BE RELOCATED AS SHOWN. 48" MAX. A.F.F. TO OPERABLE PART.
3. INSTALL 1/2" SOLID SURFACE WINDOW SILL. DO NOT EXTEND BEYOND SIDE WALL OF WINDOW OPENING. EASED EDGE CORNERS.
4. EXISTING FLOOR DRAIN. REWORK FLOOR SLOPE TO THE DRAIN.
5. NEW FLOOR DRAIN.
6. INSTALL WALL TILE "WT-1" AT WINDOW HEAD, JAMB AND SILL. TILES TO BE CENTERED WITHIN THE OPENING. INSTALL METAL TRIMS AT CORNERS AS SHOWN ON ELEVATIONS.
7. NEW LIGHTING FIXTURES TO BE INSTALLED.
8. INSTALL NEW CONCRETE SLAB TO ACCOMMODATE NEW DRAIN SYSTEM AND MINIMUM 1" RECESS FOR SHOWER FLOOR.
9. NEW FLOOR DRAIN. INSTALL FLOOR AT MAX. 1/4" PER LINEAR FOOT PITCH.
10. INSTALL NEW WALL TO ALIGN FACE OF EXISTING WALL.
11. INSTALL NEW WINDOWS AND SILLS AS NEEDED.
12. INSTALL NEW DOORS, CLOSERS AND HARDWARE IN ALL EXISTING SPACES
13. INSTALL NEW NEW CARPET AND RUBBER BASE.

NOTE: DIMENSIONS OF EXISTING ITEMS ARE APPROXIMATE. GC TO VERIFY ALL DIMENSIONS IN THE FIELD.



NORTH

01 FLOOR PLAN
Scale: 0'-1/4"= 1'-0"

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SEAL

STATE OF ALABAMA
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REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1330

SHEET TITLE

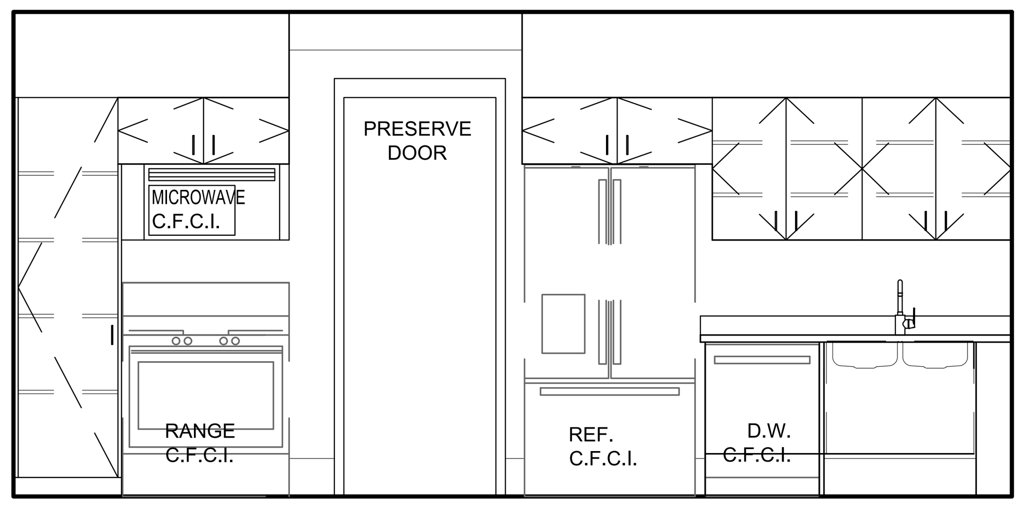
FLOOR PLAN

DRAWING NUMBER

A6.1

PROJECT NUMBER

202123



01 INTERIOR ELEVATION
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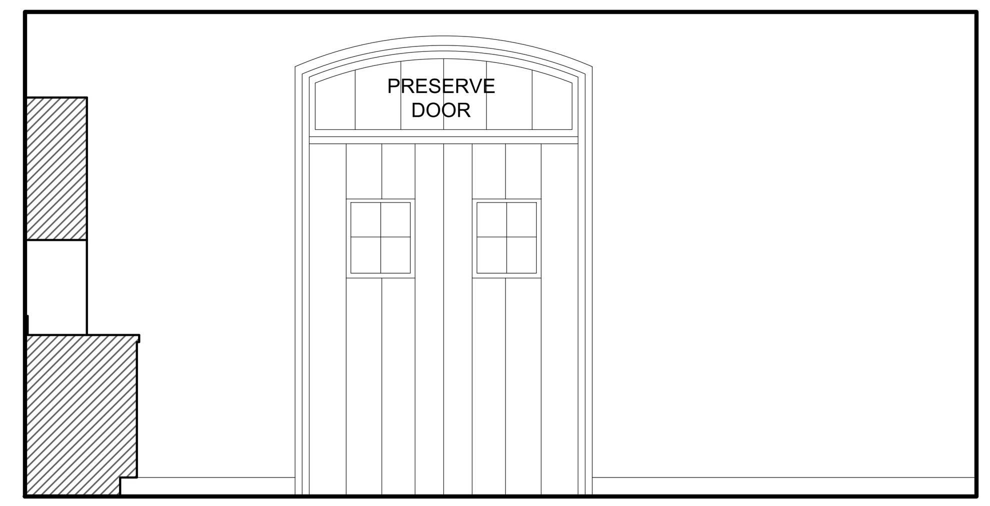

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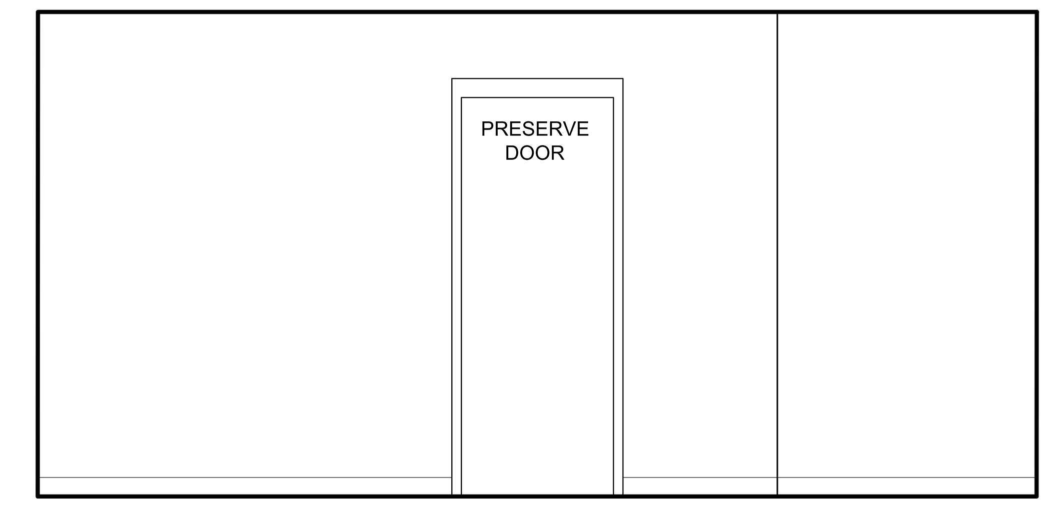

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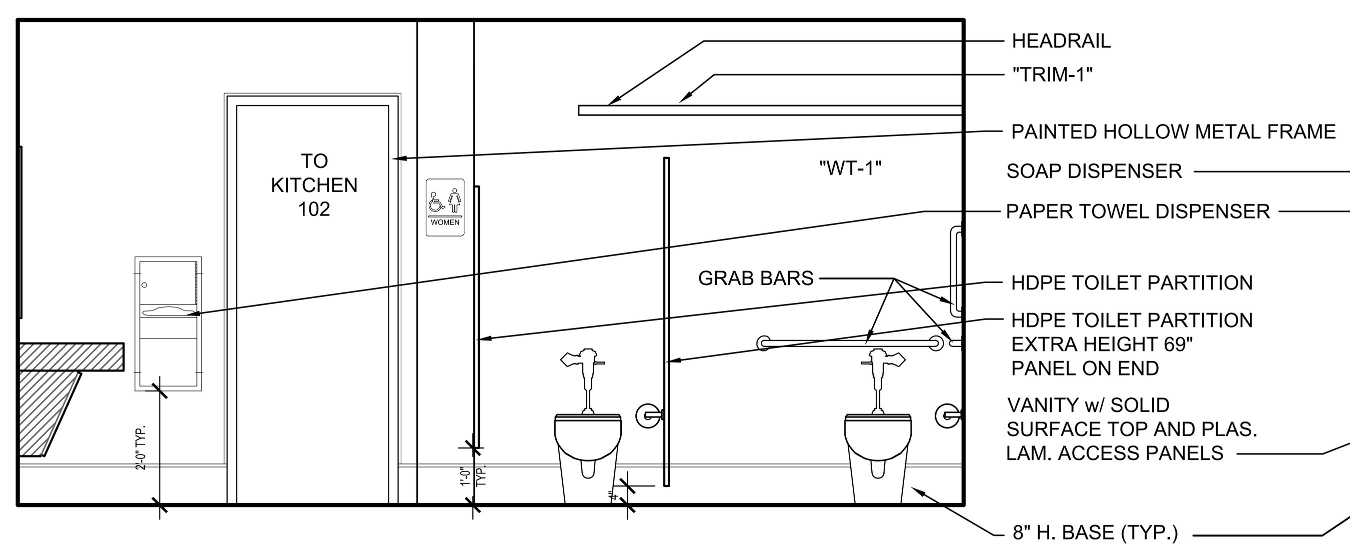

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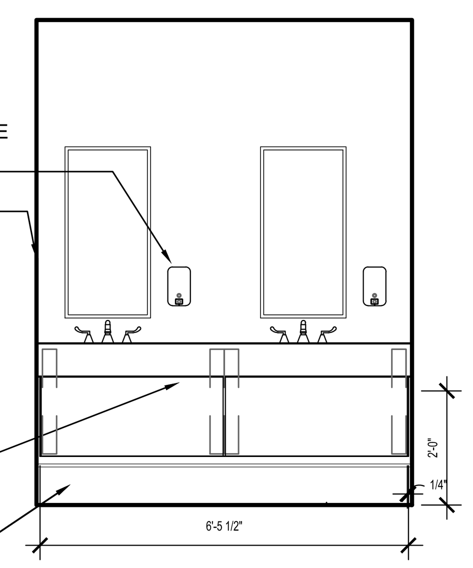

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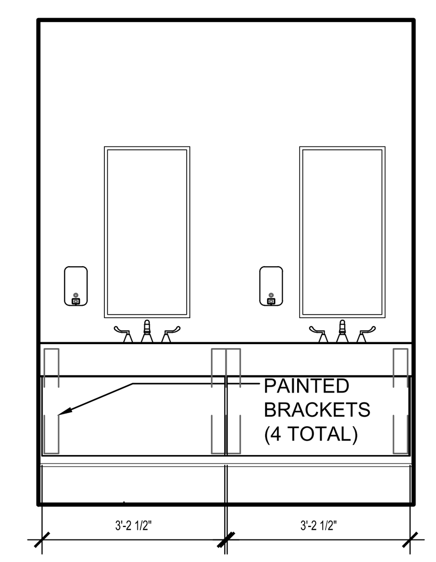

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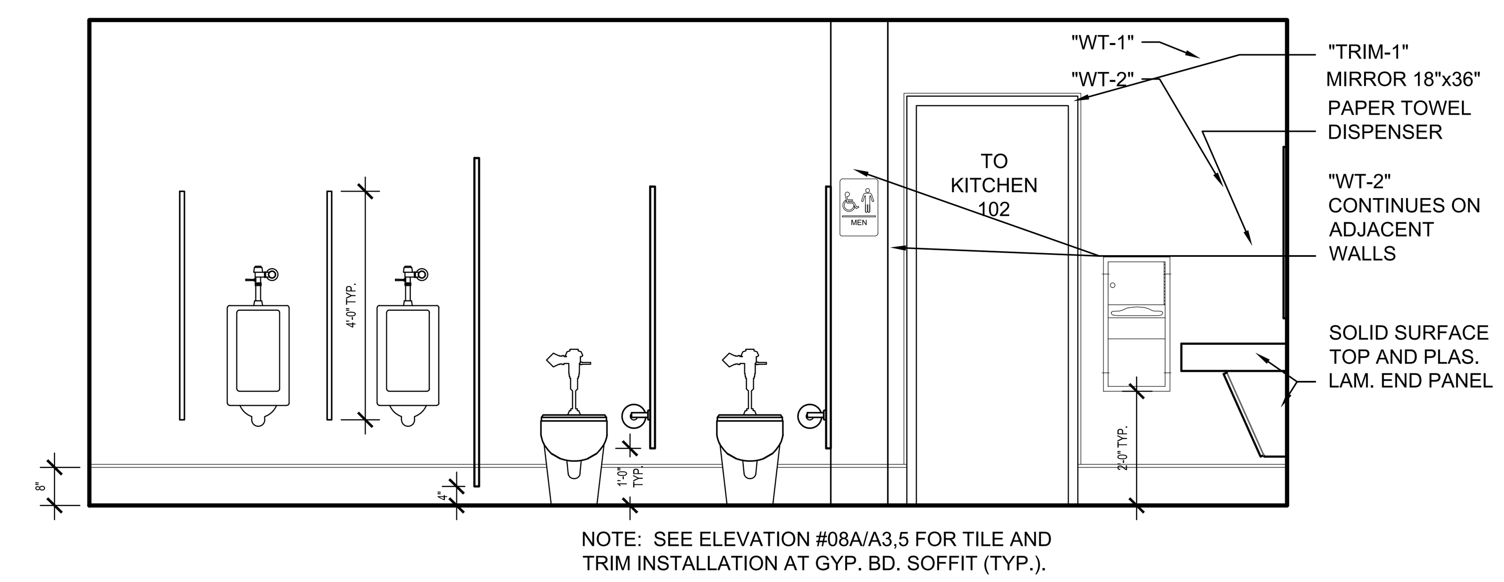
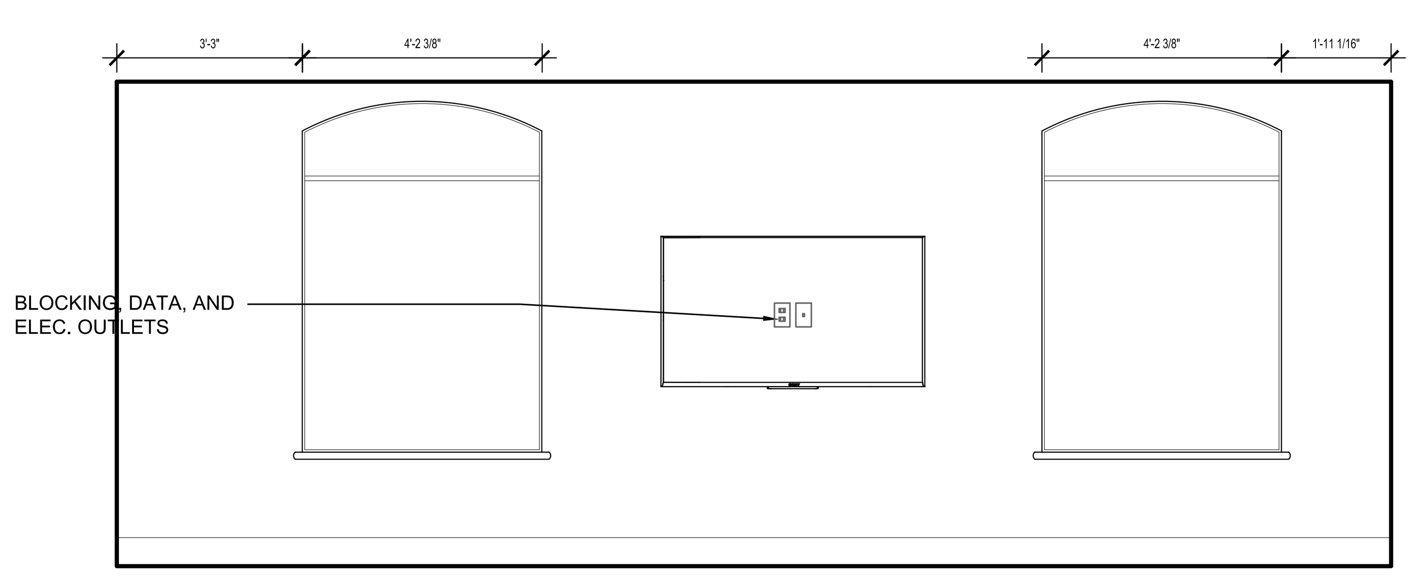


NOTE: SEE ELEVATION #08A/A3.5 FOR TILE AND TRIM INSTALLATION AT GYP. BD. SOFFIT (TYP.).

07 INTERIOR ELEVATION
Scale: 0'-3/8"= 1'-0"



08 INTERIOR ELEVATION
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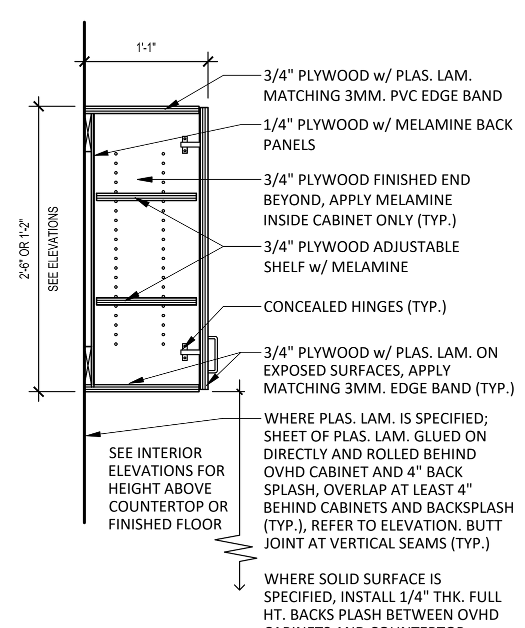

09 CASE WORK SECTION
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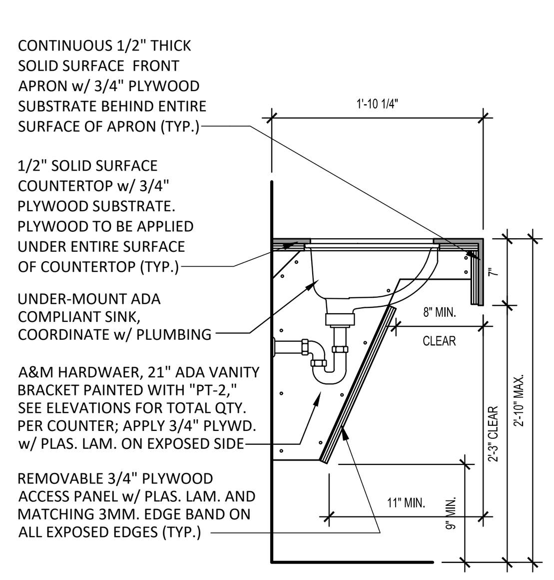

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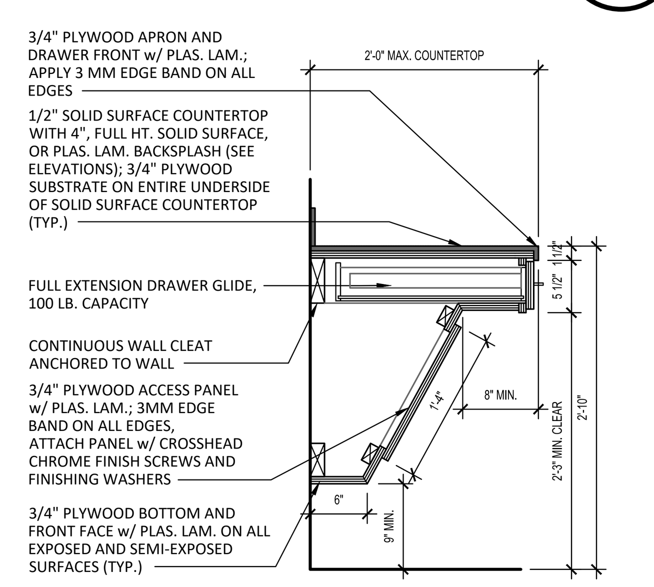

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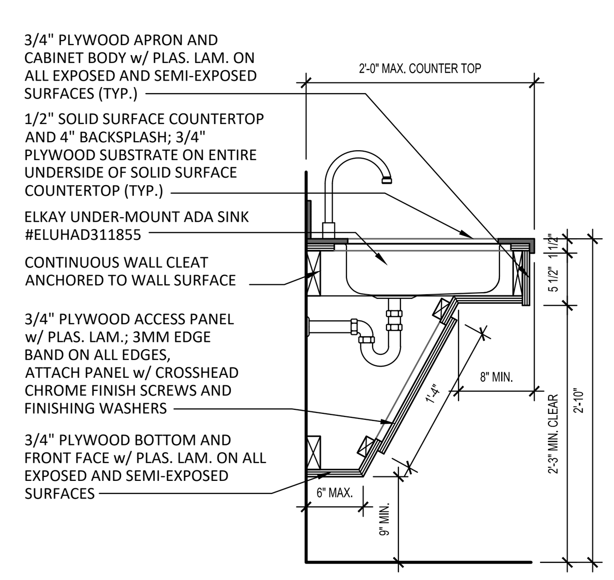

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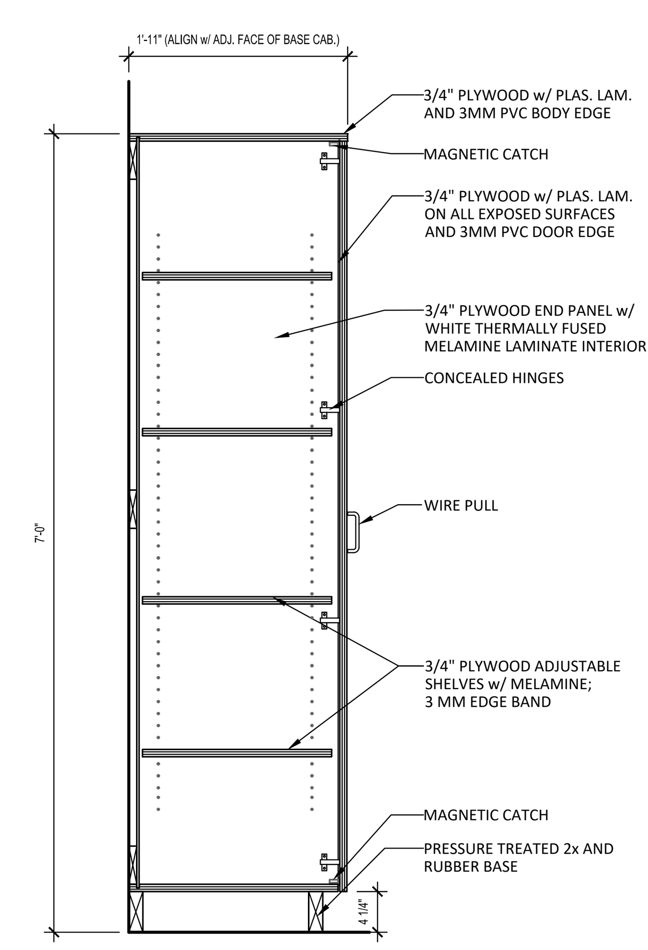

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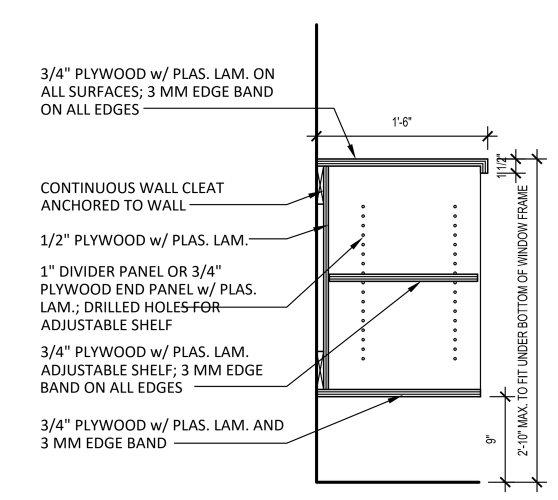

14 CASE WORK SECTION
Scale: 0'-3/4"= 1'-0"

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NO. 4484
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REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1330

SHEET TITLE

INTERIOR ELEVATIONS

DRAWING NUMBER

A6.2

PROJECT NUMBER

202123

RCP LEGEND

	NEW 2X2 LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
	NEW 2X2 VINYL-COVERED LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
	EXISTING 2X2 GRID SYSTEM NEWLY PAINTED AND NEW ACOUSTICAL CEILING TILES
	GYP BD SOFFIT: ⅝" GYP BD ON 3⅝" METAL FRAMING
	NEW 2X4 LIGHT FIXTURE
	NEW EXIT LIGHT
	NEW SUPPLY GRILLE
	NEW RETURN GRILLE
	NEW EXHAUST GRILLE

REFLECTED CEILING PLAN NOTES

1. INSTALL NEW CEILING GRID, TILES AND LIGHT FIXTURES.

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NORTH

01

REFLECTIVE CEILING PLAN
Scale: 0'-1/4"= 1'-0"

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SHADES VALLEY BUILDING #1330

SHEET TITLE
REFLECTED CEILING PLAN

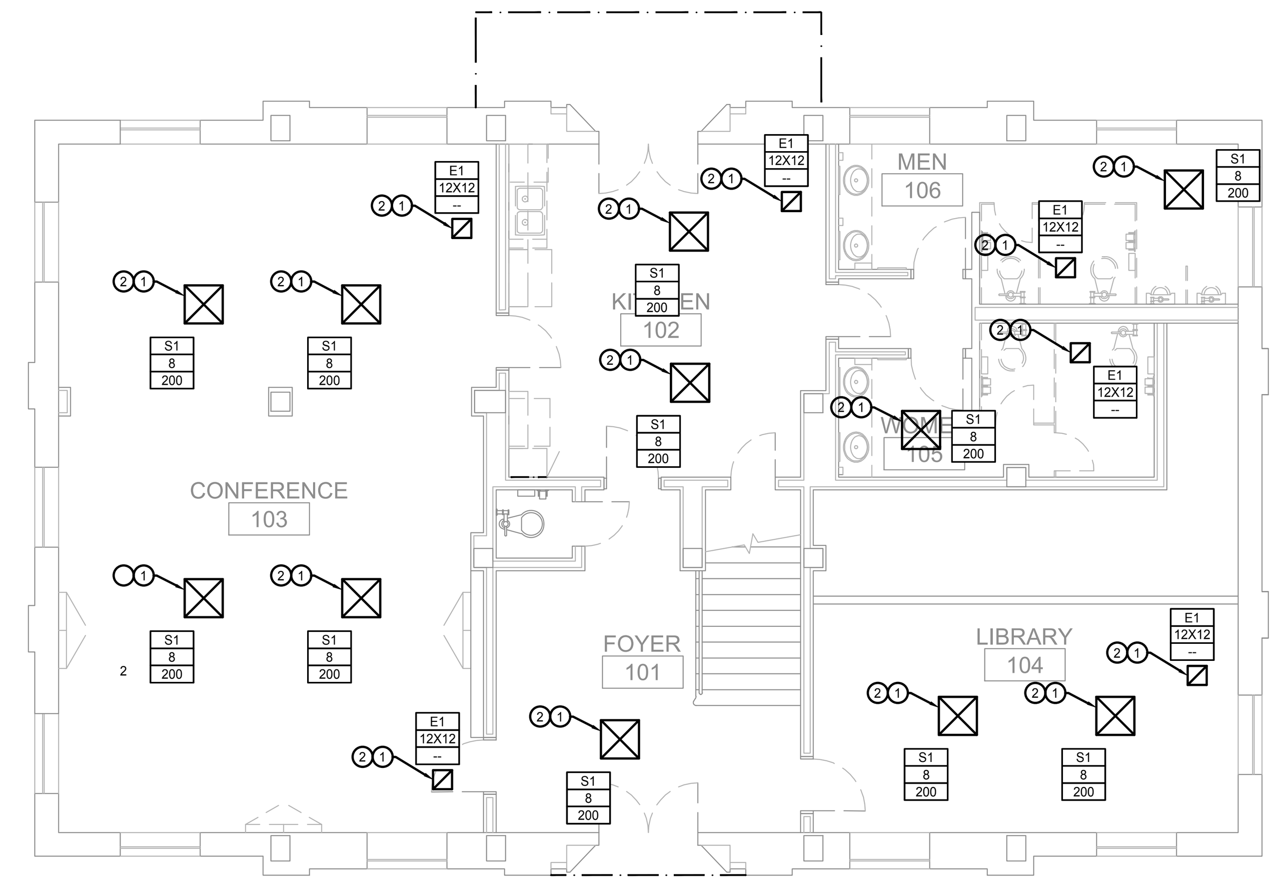
DRAWING NUMBER
A6.3

PROJECT NUMBER
202123

BBG&S

Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

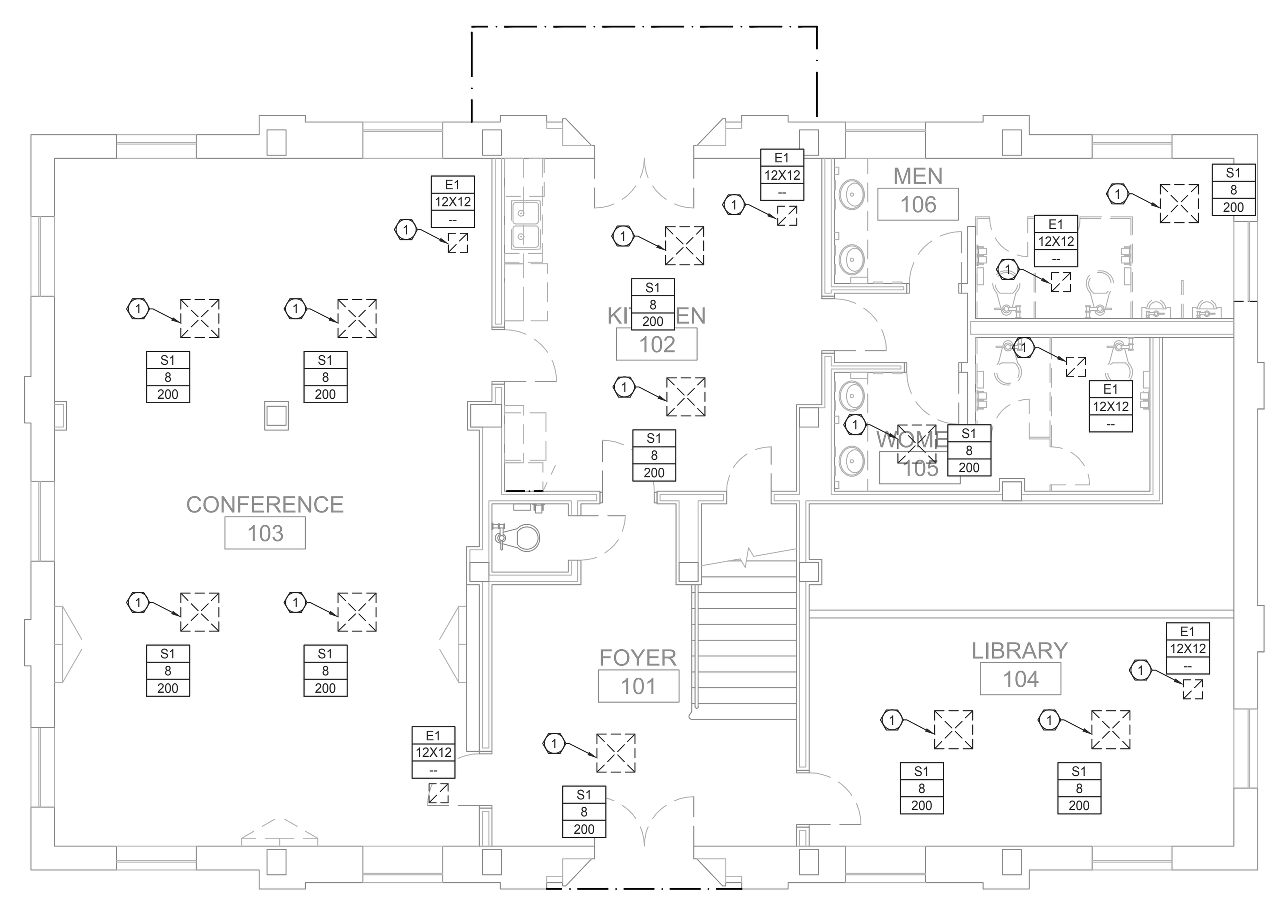
DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



HVAC PIPING PLAN - TRAINING BUILDING DEMOLITION
1/8" = 1'-0"

KEYED NOTES:

1. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
2. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.



HVAC DUCTWORK PLAN - TRAINING FACILITY DEMOLITION
1/8" = 1'-0"

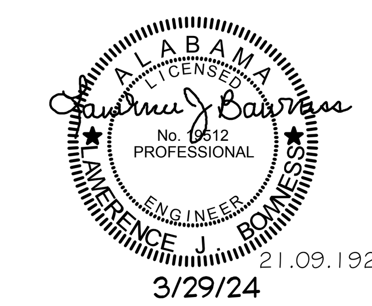
DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



3/29/24

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STUDIO 2H DESIGN, LLC

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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

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NOLANDA HATCHER & CREIG HOSKINS

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - TRAINING FACILITY - 1330

SHEET TITLE
FLOOR PLAN - TRAINING FACILITY - HVAC DEMOLITION AND NEW WORK

DRAWING NUMBER
M6.0

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
2. DISCONNECT AND REMOVE EXISTING URINAL COMPLETE. REMOVE EXISTING CW, SAN. AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
4. DISCONNECT AND REMOVE EXISTING 2-COMPARTMENT SINK COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
5. DISCONNECT AND REMOVE EXISTING ELECTRIC WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.

GENERAL DEMOLITION NOTES

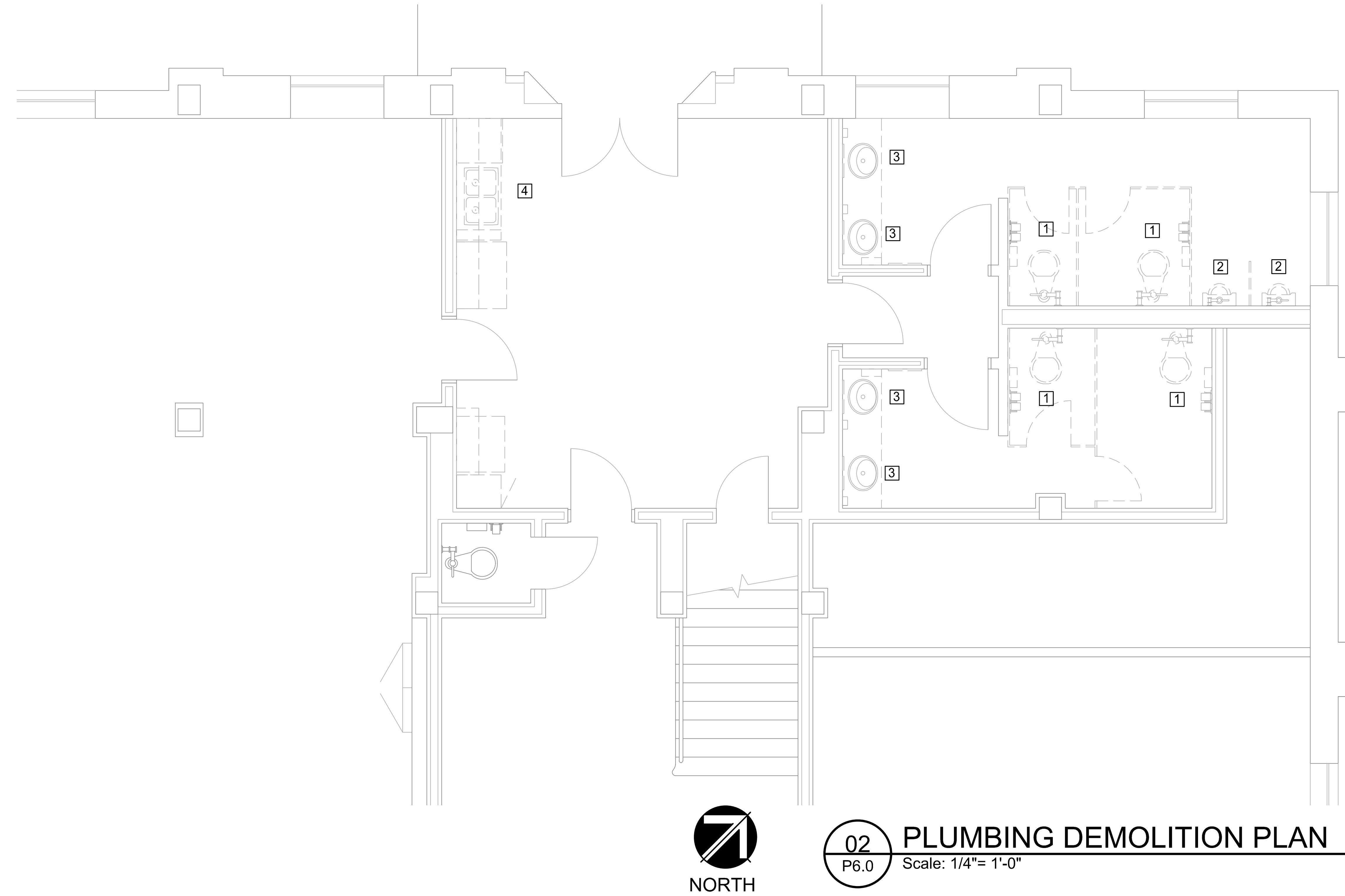
A. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

B. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

C. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

E. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

F. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



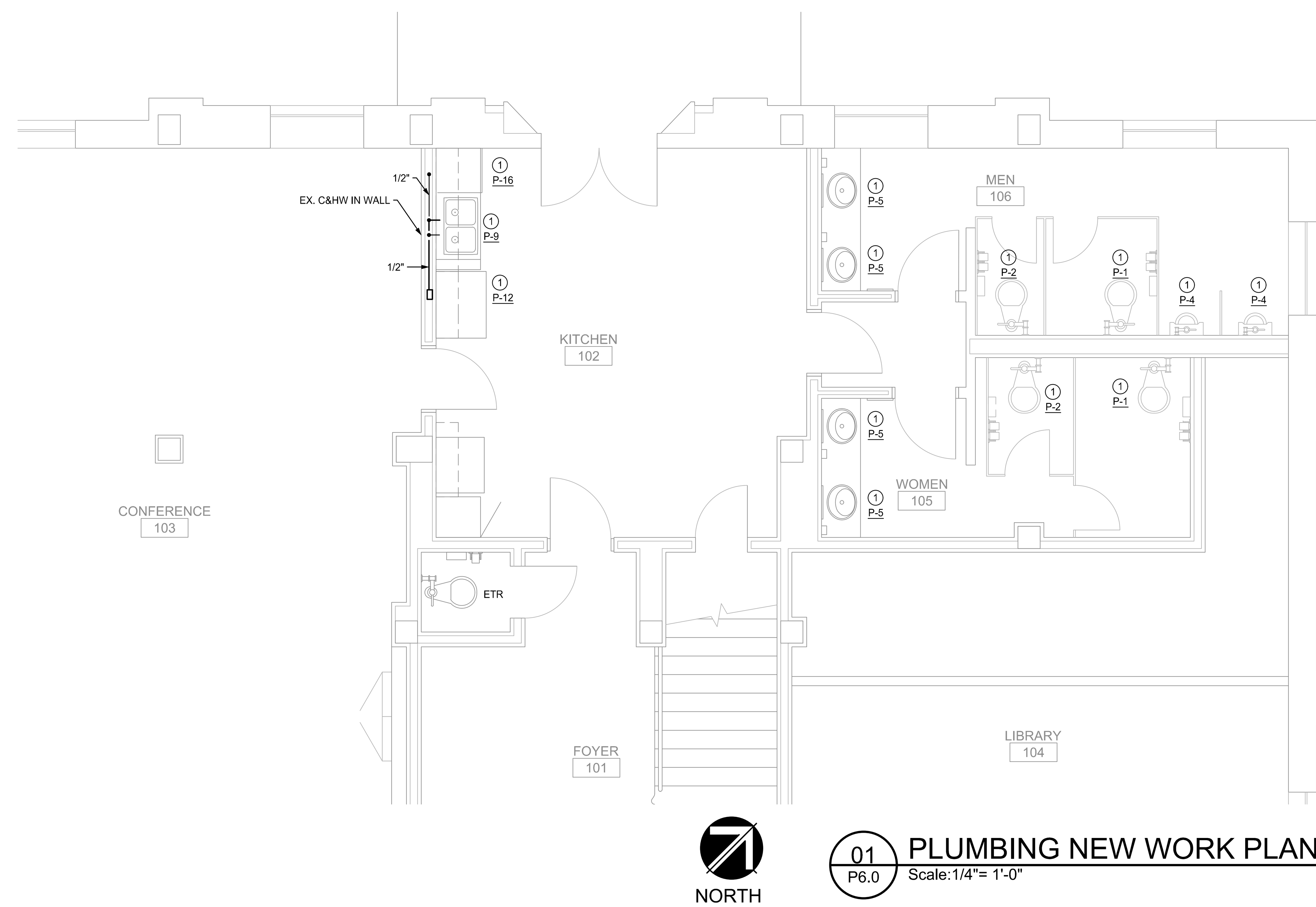
02 P6.0 PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.



01 P6.0 PLUMBING NEW WORK PLAN
Scale:1/4"= 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 25512 LAWRENCE J. BOWNES
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

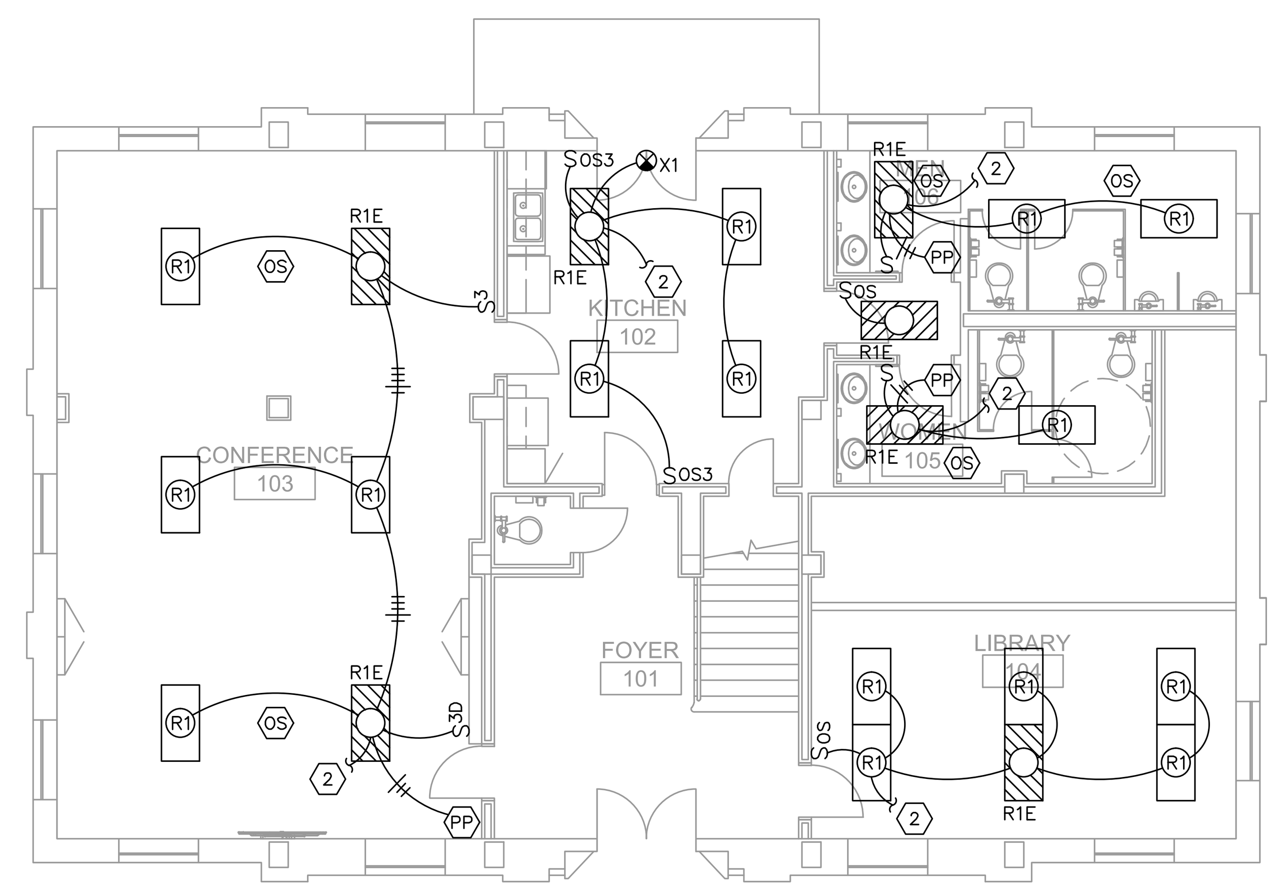
JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1330
TRAINING BUILDING

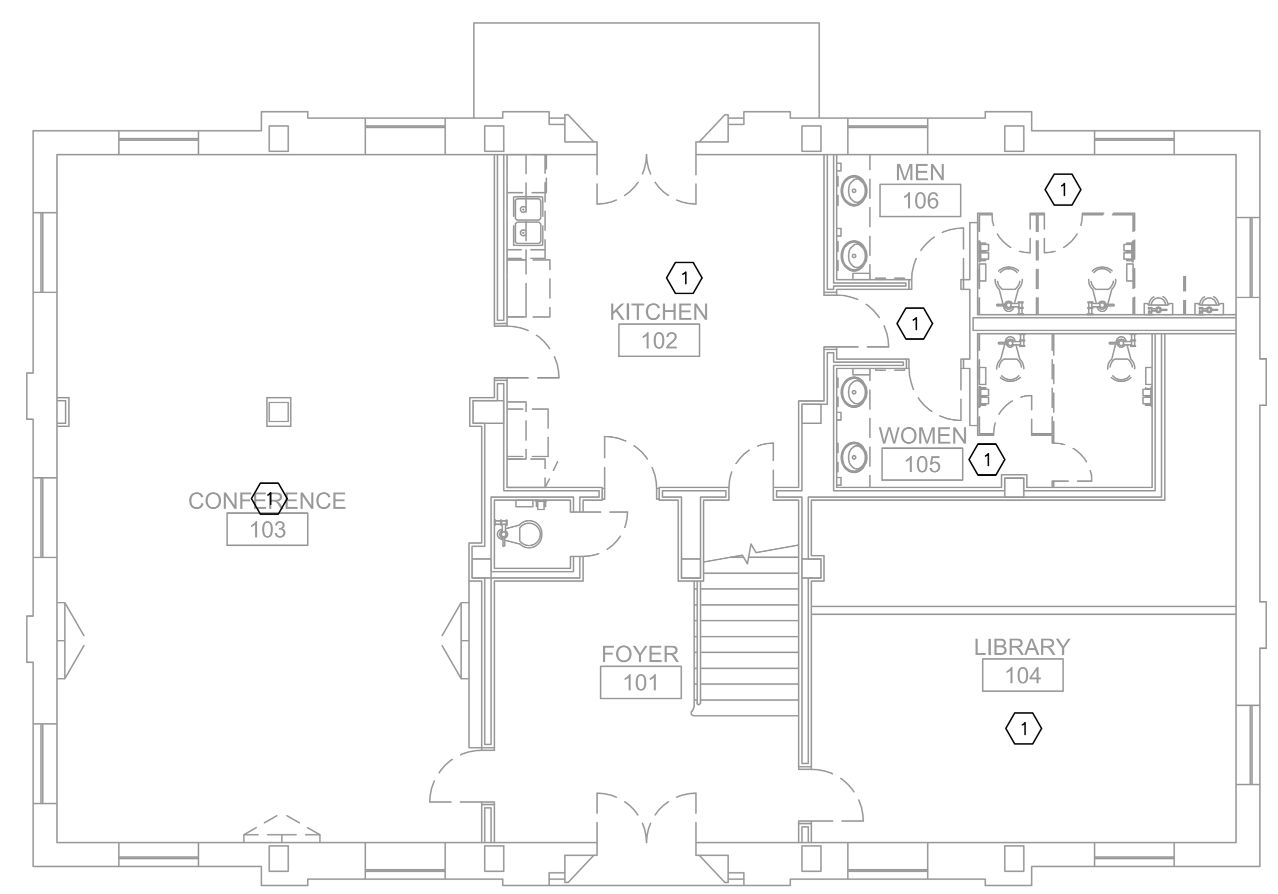
SHEET TITLE
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER
P6.0

PROJECT NUMBER
202123



FIRST FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH



FIRST FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Δ Web: www.cce-eng.com

CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-06.dwg Time: 4:01:01 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS ROOM TO BE REMOVED COMPLETE. PREPARE EXISTING LIGHTING CIRCUIT FOR CONNECTION TO NEW LIGHTS SHOWN IN NEW WORK PLANS..

2. CONNECT TO EXISTING LIGHTING CIRCUIT IN ROOM WITH 2#12, 1#12G–3/4"C. REWORK SWITCHING AS SHOWN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1330 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA
No. 31921
PROFESSIONAL ENGINEER
JAMIE L. BAILEY
3/28/24

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ★ ALABAMA ★

LOCATION

SHADES VALLEY BUILDING **#1330** TRAINING

SHEET TITLE

FLOOR PLANS - ELECTRICAL

DRAWING NUMBER

E6.0

PROJECT NUMBER

202123

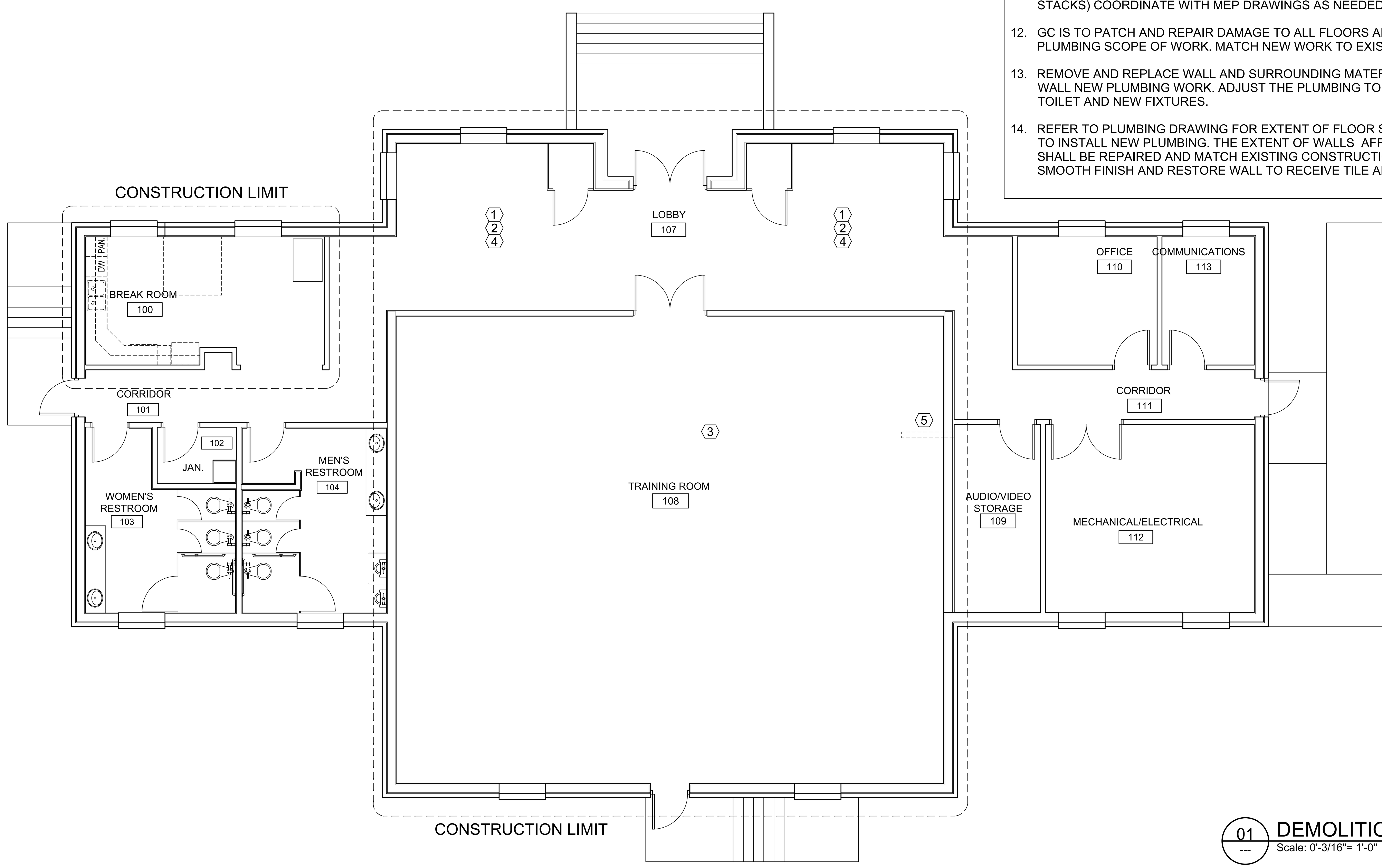
30% DESIGN REVIEW

KEYED DEMOLITION NOTES

1. EXISTING CEILING TO REMAIN.
2. EXISTING WALL PAPER TO BE REMOVED.
3. EXISTING CARPET TO BE REMOVED.
4. EXISTING DRYWALL TO BE REMOVED AS NECESSARY. LOCATION OF MOLD CAUSING LEAKS TO BE VERIFIED AND REPAIRED TO NEW FINISH.
5. EXISTING FLOOR TO BE TRENCHED FROM THE PODIUM TO A NEW WALL BOX. INSTALLED TO CREATE THRU-WALL ACCESS INTO THE AUDIO/ VIDEO STORAGE ROOM.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



01

DEMOLITION PLAN
Scale: 0'-3/16"= 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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STUDIO 2H DESIGN, LLC
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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1331

SHEET TITLE
DEMOLITION PLAN

DRAWING NUMBER
A7.0

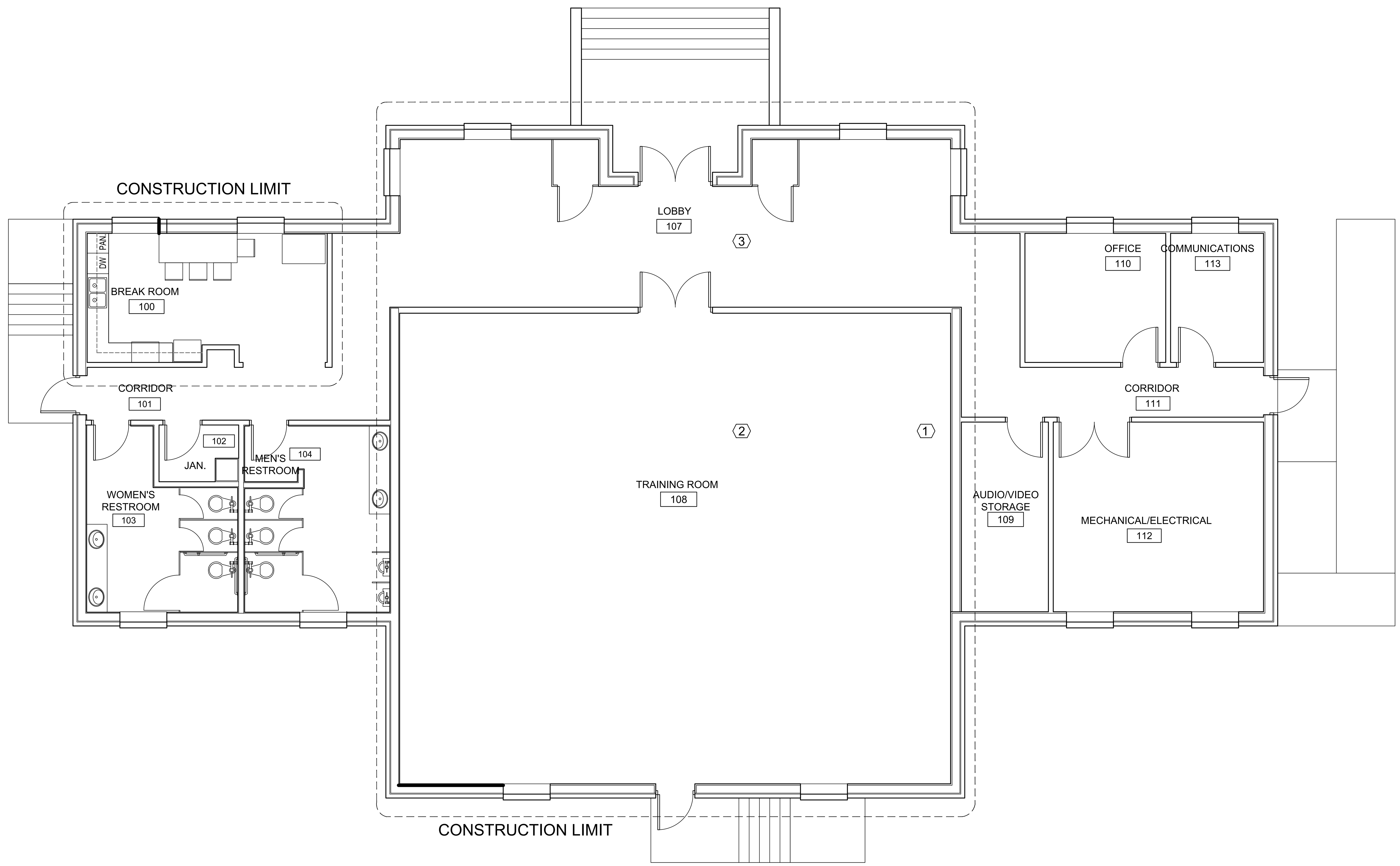
PROJECT NUMBER
202123

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

KEYED FLOOR PLAN NOTES

1. INSTALL BLOCKING, DATA, AND POWER NEAR PODIUM AT FRONT WALL OF TRAINING ROOM 106.
2. INSTALL NEW CARPET SQUARE FLOORING w/ COVE BASE IN TRAINING ROOM 108. FLOOR TRENCH FROM PODIUM FLOOR BOX TO A NEW WALL BOX. INSTALLED TO CREATE THRU-WALL ACCESS INTO THE AUDIO/ VIDEO STORAGE ROOM.
3. AFTER LEAK AND MOLD IDENTIFIED AND ABATED, REPAIR LEAK AND INSTALL NEW DRYWALL (AS NEEDED) AND WALLPAPER IN LOBBY 107. REPLACE MOLDING ON WALL AS NECESSARY.



01

FLOOR PLAN
Scale: 0'-3/16"= 1'-0"

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

STUDIO 2H DESIGN, STUDIO 2H DESIGN, LLC
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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

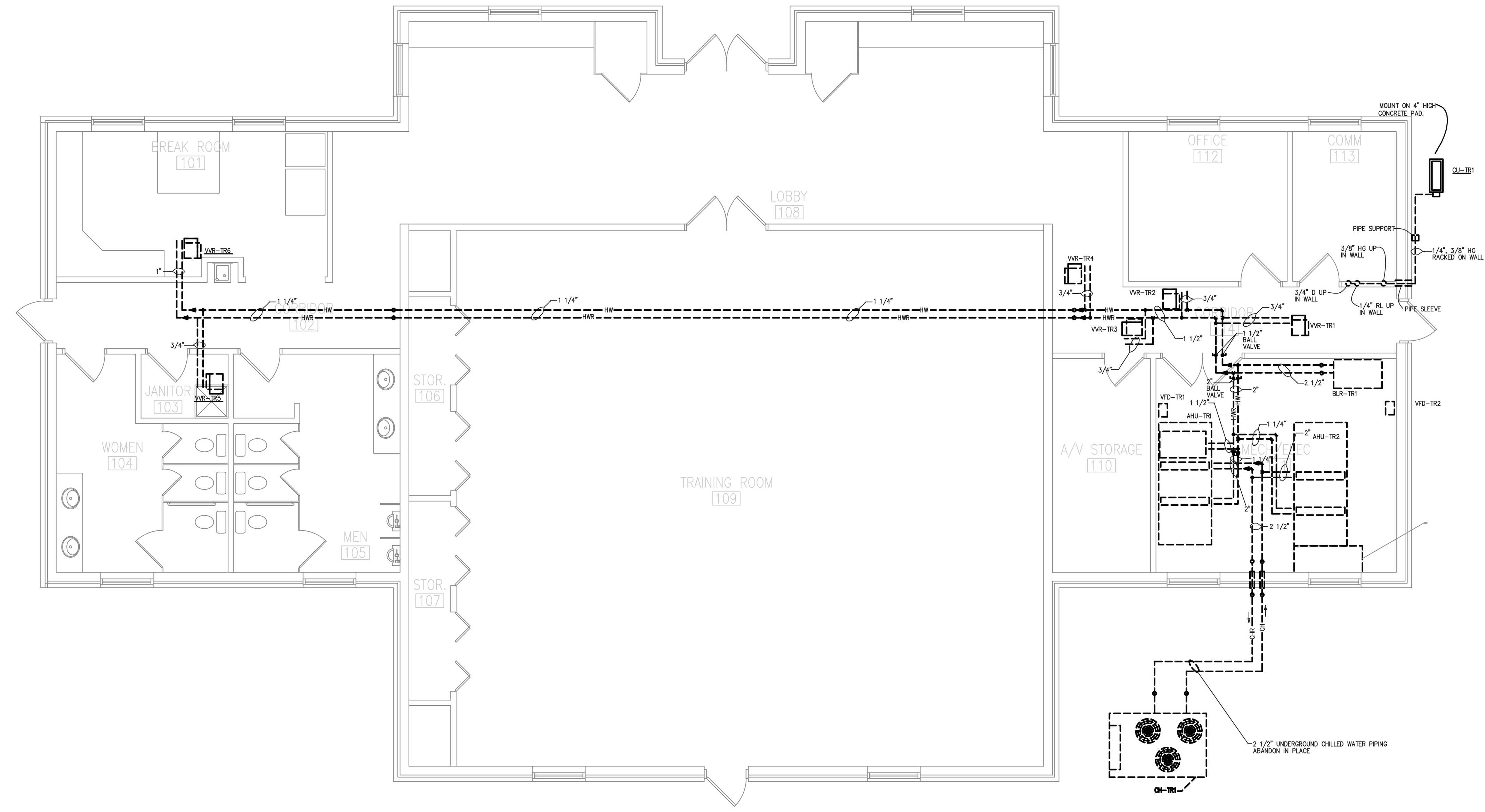
JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1331

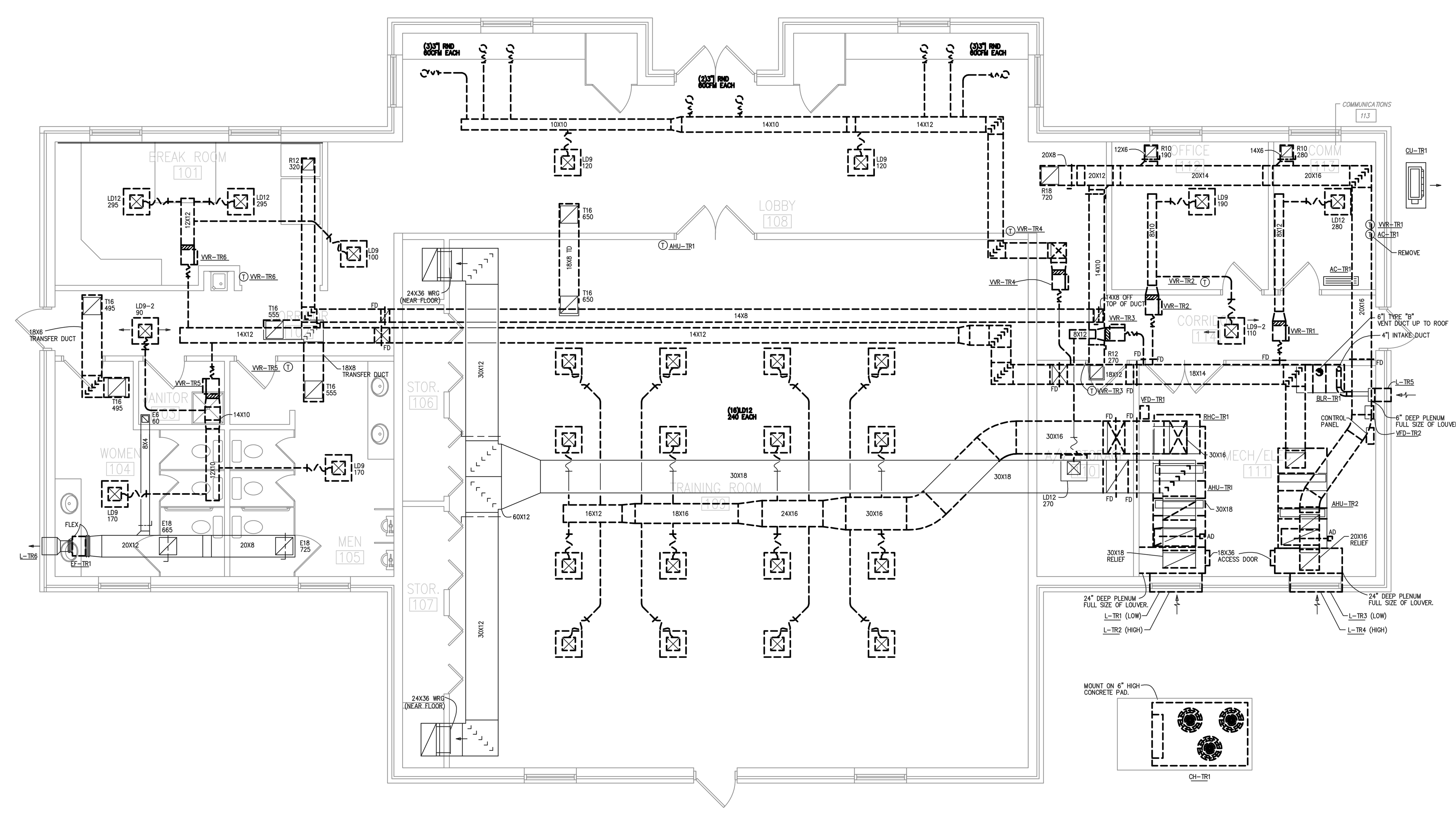
SHEET TITLE
FLOOR PLAN

DRAWING NUMBER
A7.1

PROJECT NUMBER
202123



HVAC PIPING PLAN - TRAINING BUILDING DEMOLITION
1/8" = 1'-0"



HVAC DUCTWORK PLAN - TRAINING BUILDING DEMOLITION
1/8" = 1'-0"

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

21.09.192
3/29/24

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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - TRAINING BLDG. 1331

SHEET TITLE
FLOOR PLAN - TRAINING BLDG - HVAC DEMOLITION

DRAWING NUMBER
M7.0

PROJECT NUMBER
202123

BBG&S
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HVAC - PLUMBING - FIRE PROTECTION
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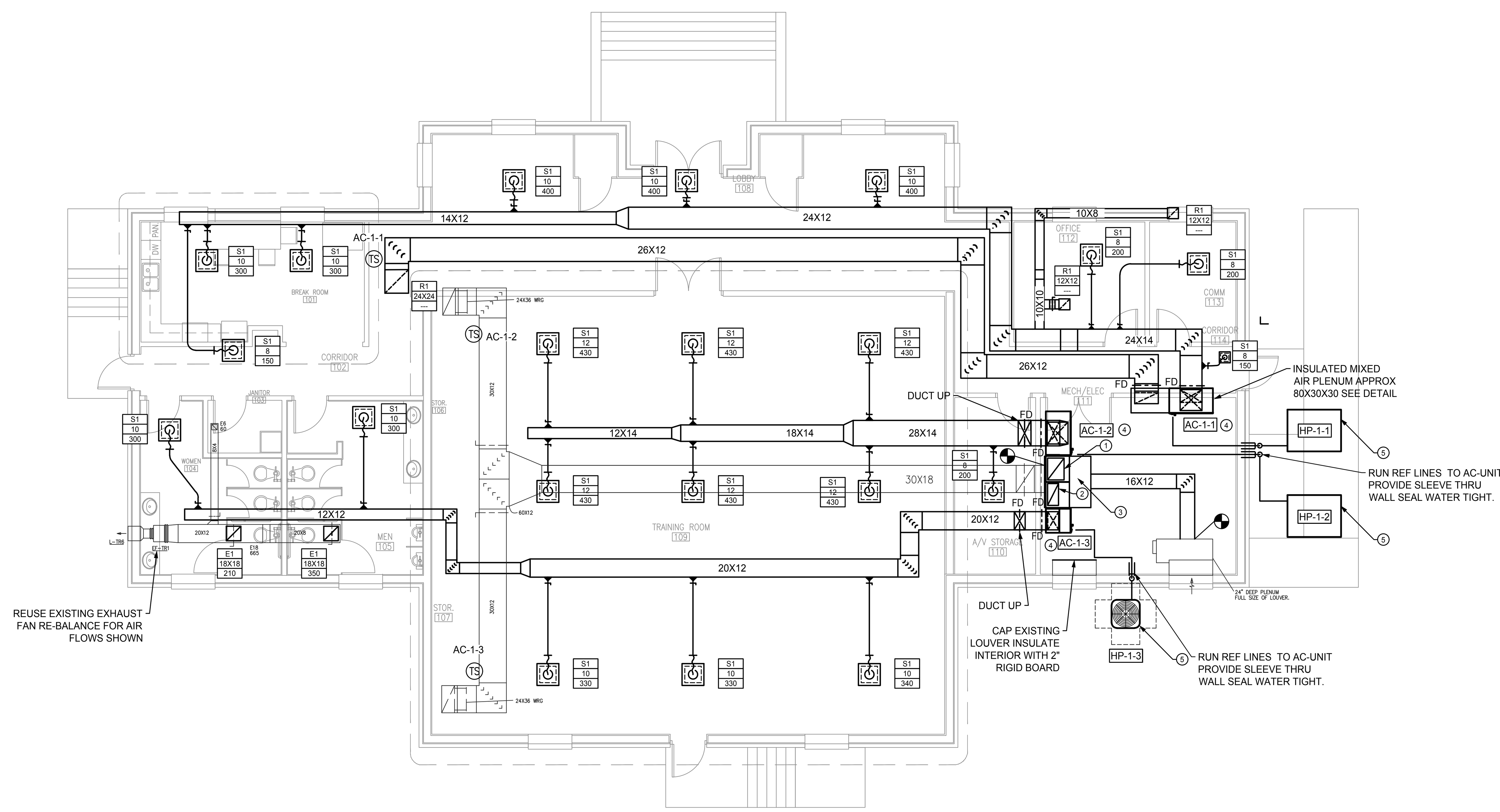
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192



HVAC DUCTWORK PLAN - TRAINING BUILDING
1/8" = 1'-0"

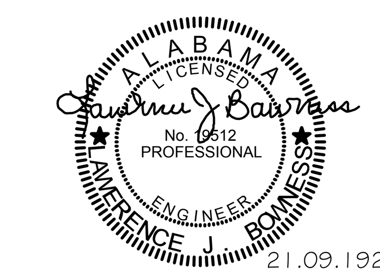
KEYED NOTES:

1. 24X18 DN TO AC-1-2 RETURN MIXED AIR PLENUM
2. 24X12 DN TO AC-1-3 MIXED AIR PLENUM.
3. 50X56X18 RETURN PLENUM.
4. RUN 1" CONDENSATE DRAIN LINE FROM UNIT DISCHARGE TO MECHANICAL ROOM FLOOR DRAIN.
5. ANCHOR OUTDOOR UNIT TO NEW 4" THICK POURED IN PLACE CONC. REINFORCED PAD. RECTANGULAR PAD LENGTH AND WIDTH 4" LARGER THAN CONDENSING UNIT FOOT PRINT.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY
TRAINING BUILDING 1331

SHEET TITLE
FLOOR PLAN -
HVAC NEW WORK

DRAWING NUMBER
M7.1

PROJECT NUMBER
202123

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HVAC - PLUMBING - FIRE PROTECTION
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Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING 2 COMPARTMENT SINK COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
2. DISCONNECT AND REMOVE EXISTING DISHWASHER COMPLETE. REMOVE EXISTING WASTE AND HW BACK TO EXTENT REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS. MAINTAIN ALL FIRE RATINGS.

GENERAL DEMOLITION NOTES

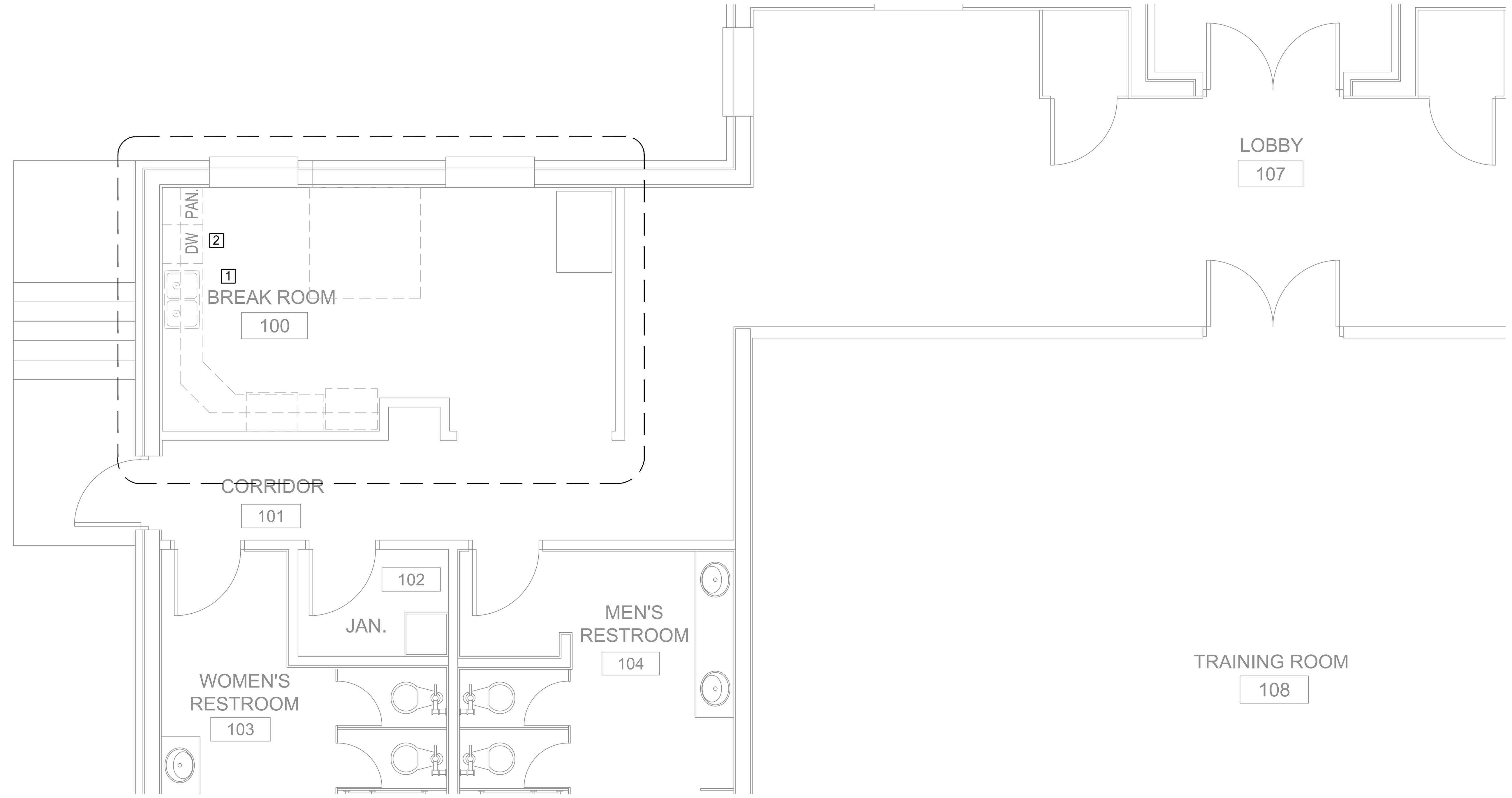
A. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

B. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

C. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

E. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

F. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



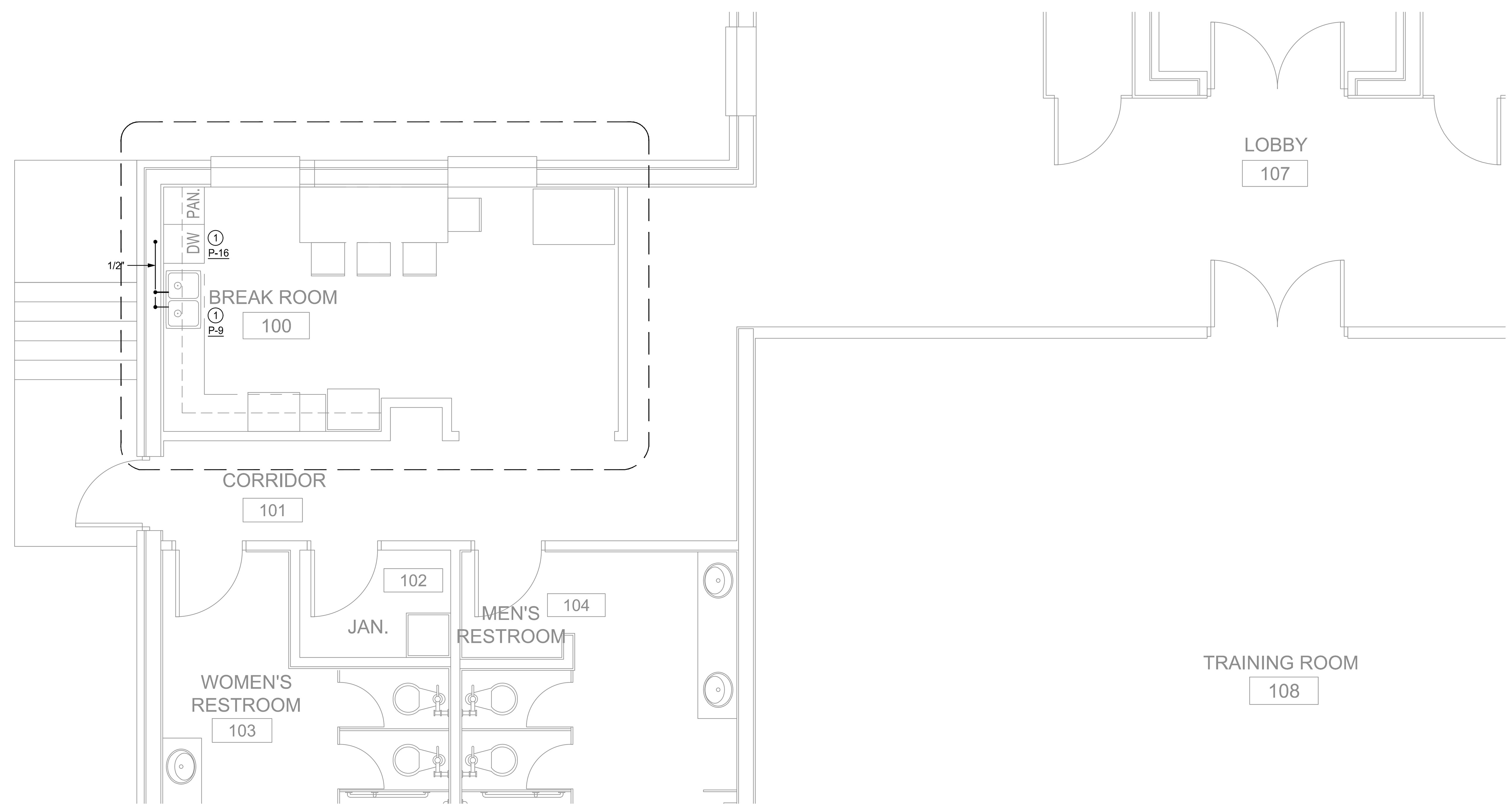
02 P7.0 PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.

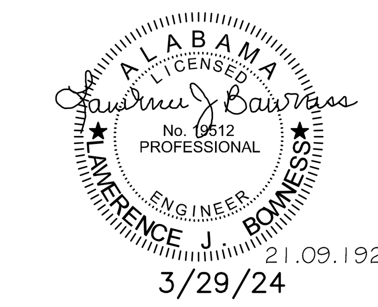


01 P7.0 PLUMBING NEW WORK PLAN
Scale:1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

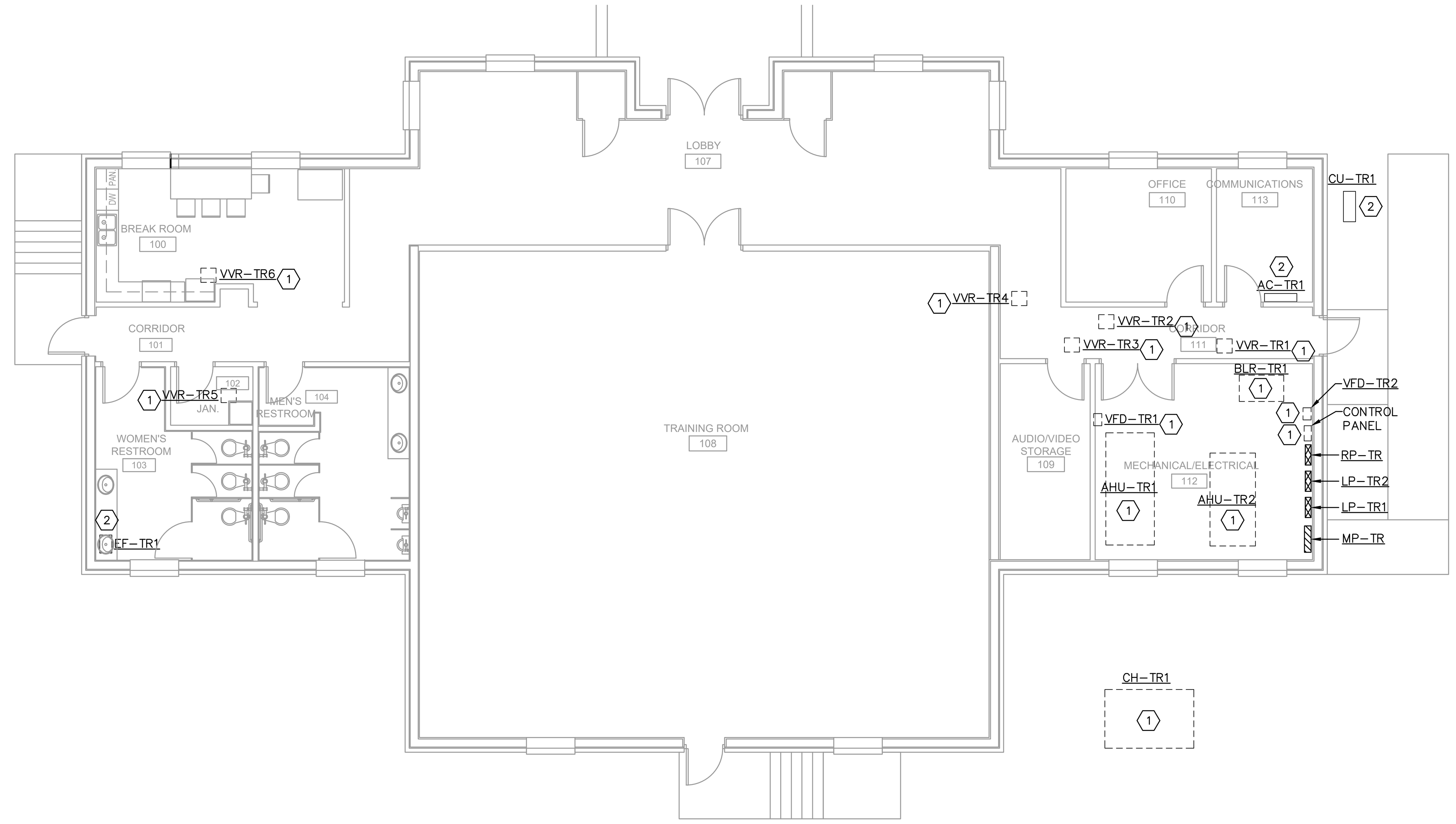
NO	DATE	Description

LOCATION
SHADES VALLEY BUILDING #1331
TRAINING FACILITY

SHEET TITLE
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER
P7.0

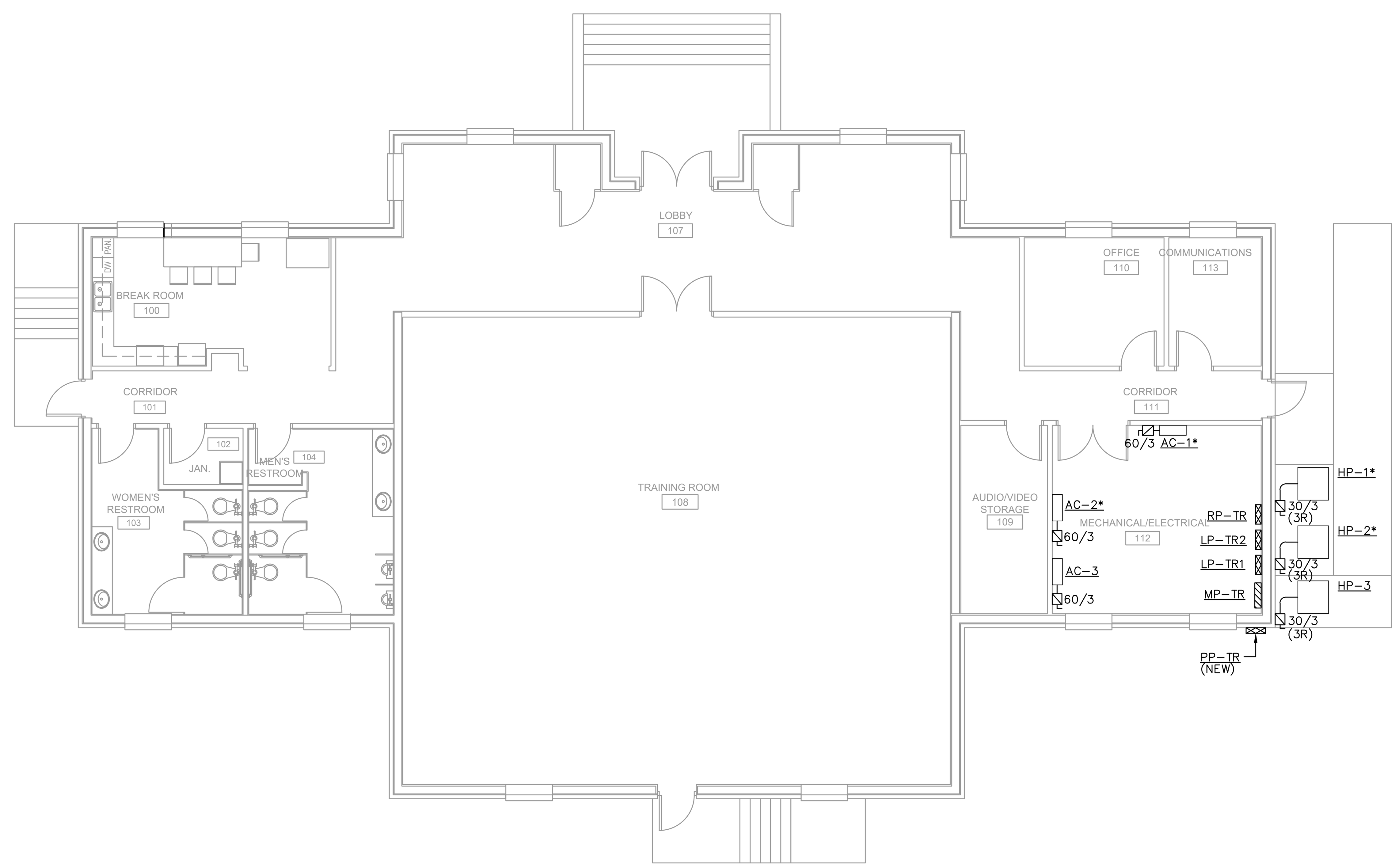
PROJECT NUMBER
202123



FLOOR PLAN - DEMOLITION

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

NORTH



FLOOR PLAN - POWER & AUXILIARY

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

NORTH

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com

CCE No.	22S2H05	Date:	Apr 10, 2024
File:	EP-07.dwg	Time:	4:01:21 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

PLAN NOTES THIS SHEET:

1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.
2. EXISTING EQUIPMENT TO REMAIN. PROTECT EXISTING CONDUIT, WIRING, AND CONNECTIONS AS REQUIRED.
3. EXISTING PANEL IS A SQUARE D I-LINE SERIES, 600 AMP, MAIN BREAKER, 120/208 VOLT, 3 PHASE 4 WIRE, 65KAIC. PROVIDE NEW BREAKERS AS CALLED FOR IN SCHEDULES AND/ OR PLAN NOTES.

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
AC-1	208	3	34.5 MCA	35	60/3 (1R)	MP-TR	--	40/3	1
AC-2	208	3	34.5 MCA	35	60/3 (1R)	MP-TR	--	40/3	1
AC-3	208	3	34.5 MCA	35	60/3 (1R)	MP-TR	--	40/3	1
HP-1	208	3	14.5 MCA	25	30/3 (3R)	PP-TR	2,4,6	25/3	·
HP-2	208	3	14.5 MCA	25	30/3 (3R)	PP-TR	8,10,12	25/3	·
HP-3	208	3	14.5 MCA	25	30/3 (3R)	PP-TR	14,16,18	25/3	·

SCHEDULE NOTE:
1) NEW BREAKER TO BE MOUNTED IN AVAILABLE SPACE MADE BY DEMOLITION. SEE PLAN NOTES FOR EXISTING PANEL DESCRIPTION AND CHARACTERISTICS.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1331 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA
No. 31921
PROFESSIONAL ENGINEER
JAMIE L. BAILEY
3/28/24

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
www.studio2hd.com
OFFICE: 205-264-9988
FAX: 205-264-9992

NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING **#1331**
TRAINING BUILDING

SHEET TITLE

FLOOR PLANS - ELECTRICAL

DRAWING NUMBER

E7.0

PROJECT NUMBER

202123

30% DESIGN REVIEW

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com
CCE No. 2252H05 Date: Apr 10, 2024
File: ER-07.dwg Time: 4:05:03 pm

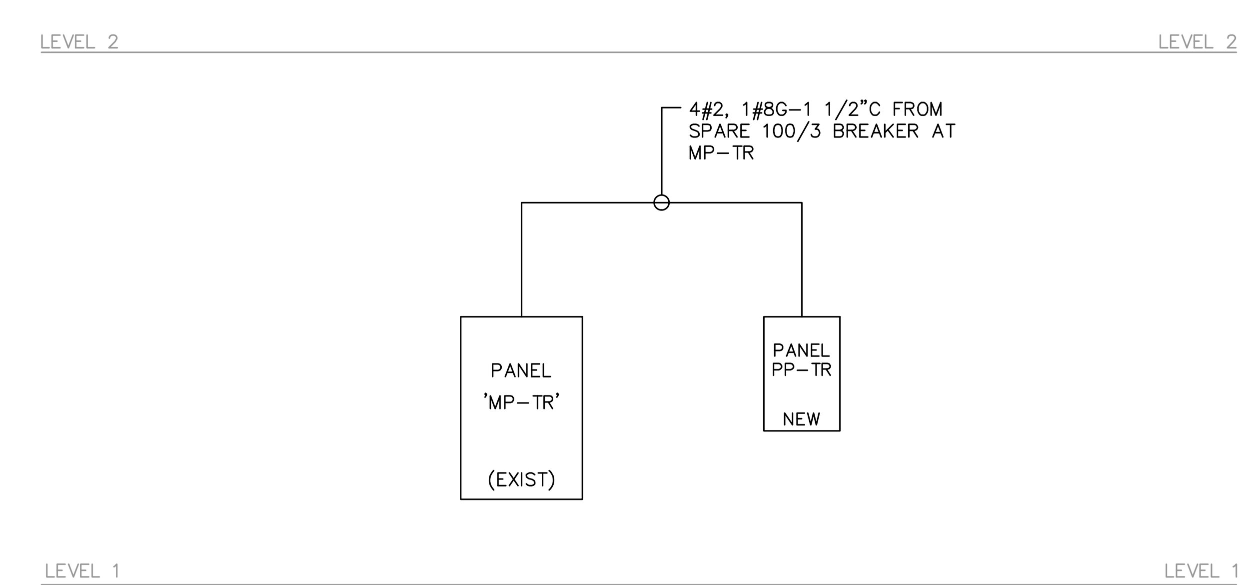
PANEL: **PP-TR**
TYPE: **BQL**

PANEL AMPS	250 AMPS	VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ	MOUNTING: SURFACE
MAIN TYPE	M.L.O.	AIC RATING: 42,000	NEMA RATING: NEMA 3R
MAIN BREAKER RATING	N/A	CALC FAULT CURRENT:	LOCATION: EXTERIOR
SOLID NEUTRAL	100%		FED FROM: PANEL MP-TR - 100/3 BKR
GROUND BUS	100%		

BREAKER FEATURES: **GFI** = GROUND FAULT CIRCUIT INTERRUPTER; **ST** = SHUNT TRIP; **TH** = TIE HANDLE
AF - ARC FAULT CIRCUIT INTERRUPTER; **LO** = LOCK-ON DEVICE

ONE SECTION PANEL

CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE A	PHASE B	PHASE C	CKT LOAD	WIRE SIZE	DESCRIPTION	LOAD TYPE	BREAKER	CKT NO
1			SPACE			1740			1740	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-1	A/C	25/3	2
3			SPACE				1740		1740			A/C		4
5			SPACE					1740	1740			A/C		6
7			SPACE			1740			1740	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-2	A/C	25/3	8
9			SPACE				1740		1740			A/C		10
11			SPACE					1740	1740			A/C		12
13			SPACE			1740			1740	4#10, 1#10G-1"C.	OUTDOOR UNIT HP-3	A/C	25/3	14
15			SPACE				1740		1740			A/C		16
17			SPACE					1740	1740			A/C		18
19			SPACE			0								20
21			SPACE				0							22
23			SPACE					0						24
25			SPACE			0								26
27			SPACE				0							28
29			SPACE					0						30
					PHASE TOTALS	5220	5220	5220						



ELECTRICAL RISER DIAGRAM
SCALE: NONE

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1331 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL
ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMIE L. BAILEY
3/28/24

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RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024
DRAWN BY: JLB
REVIEWED BY: JLB

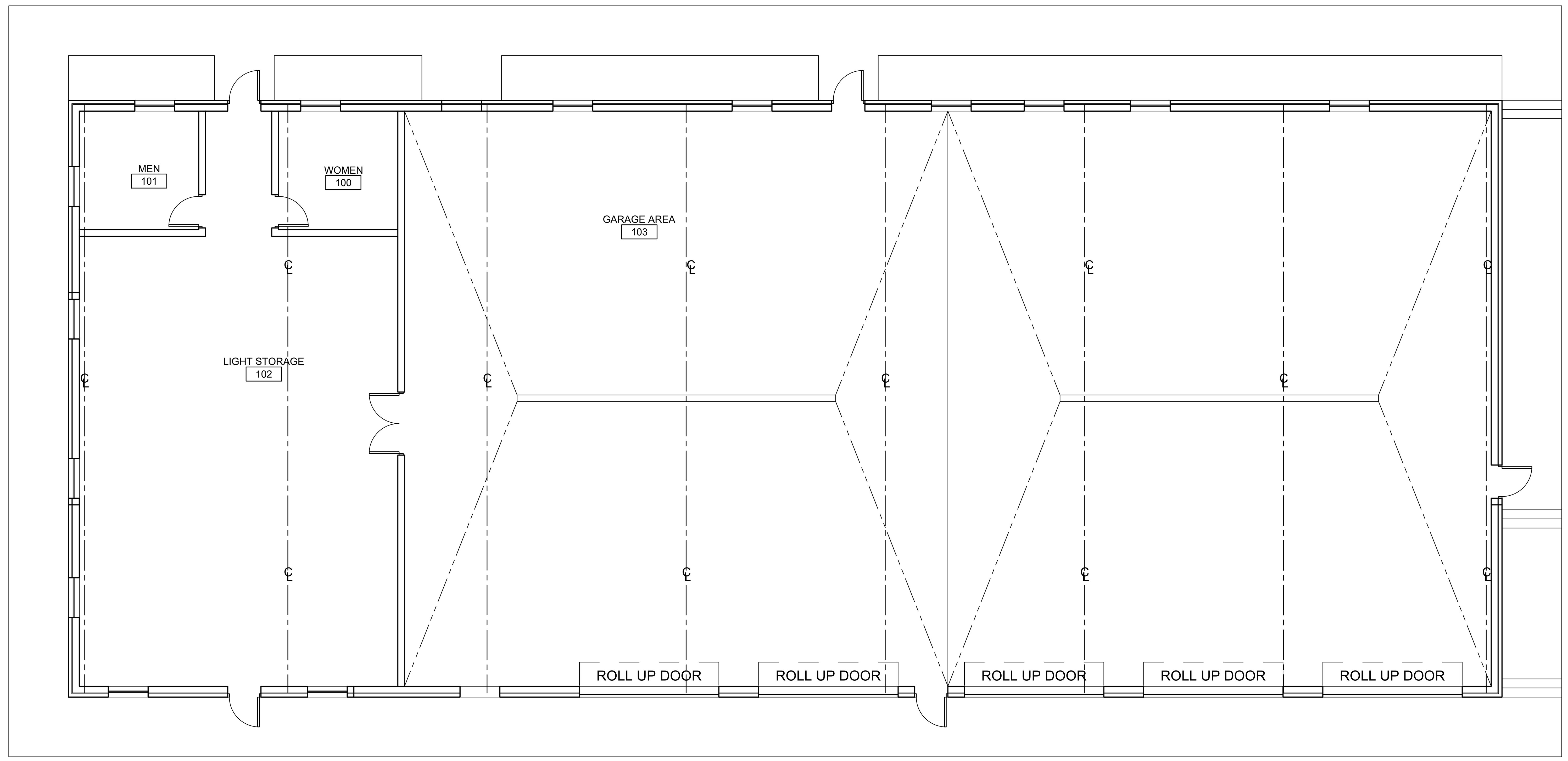
REUSE OF DOCUMENTS
THIS DOCUMENT, THE IDEAS AND DESIGNS INCORPORATED HEREIN, IS AN INSTRUMENT OF STUDIO 2H DESIGN, LLC AND MUST NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF STUDIO 2H DESIGN, LLC
NOLANDA HATCHER & CREIG HOSKINS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ★ ALABAMA ★

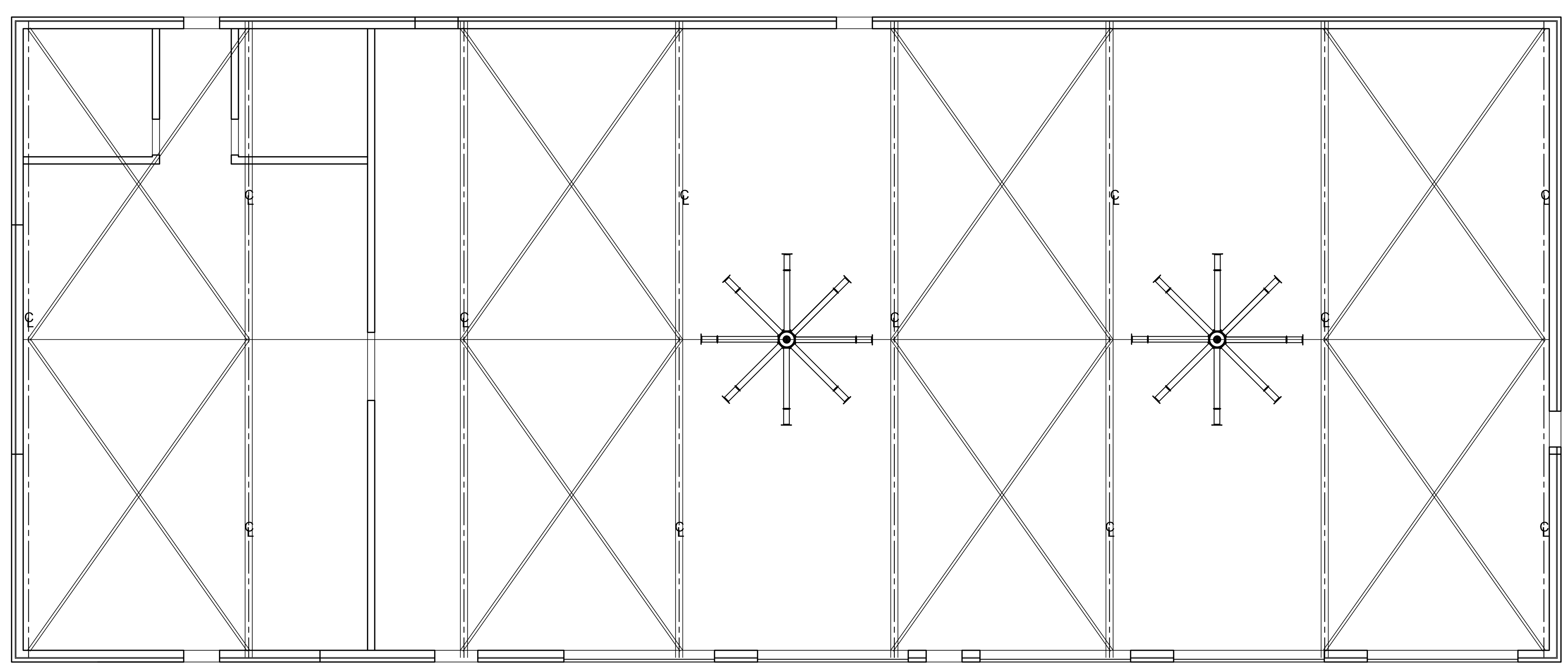
LOCATION
SHADES VALLEY BUILDING **#1331**
TRAINING BUILDING
SHEET TITLE
RISER DIAGRAM AND PANEL SCHEDULES
DRAWING NUMBER
E7.1
PROJECT NUMBER
202123
30% DESIGN REVIEW



01 --- FLOOR PLAN
Scale: 0'-1/8"= 1'-0"

REFLECTED CEILING PLAN NOTES

1. EXISTING STRUCTURE, ROOF, AND THINGS TO REMAIN.
2. INSTALL BIG ASS FANS - POWERFOIL X4 (MODEL PFX4-16) FANS TO THE EXISTING STRUCTURE IN LOCATION SHOWN.



02 --- REFLECTED CEILING PLAN
Scale: 0'-1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1351

SHEET TITLE
FLOOR PLAN & REFLECTED CEILING PLAN

DRAWING NUMBER
A8.0

PROJECT NUMBER
202123

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 ∆ Web: www.cce-eng.com

CCE No.	22S2H05	Date:	Apr 10, 2024
File:	EP-08.dwg	Time:	4:02:58 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

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D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

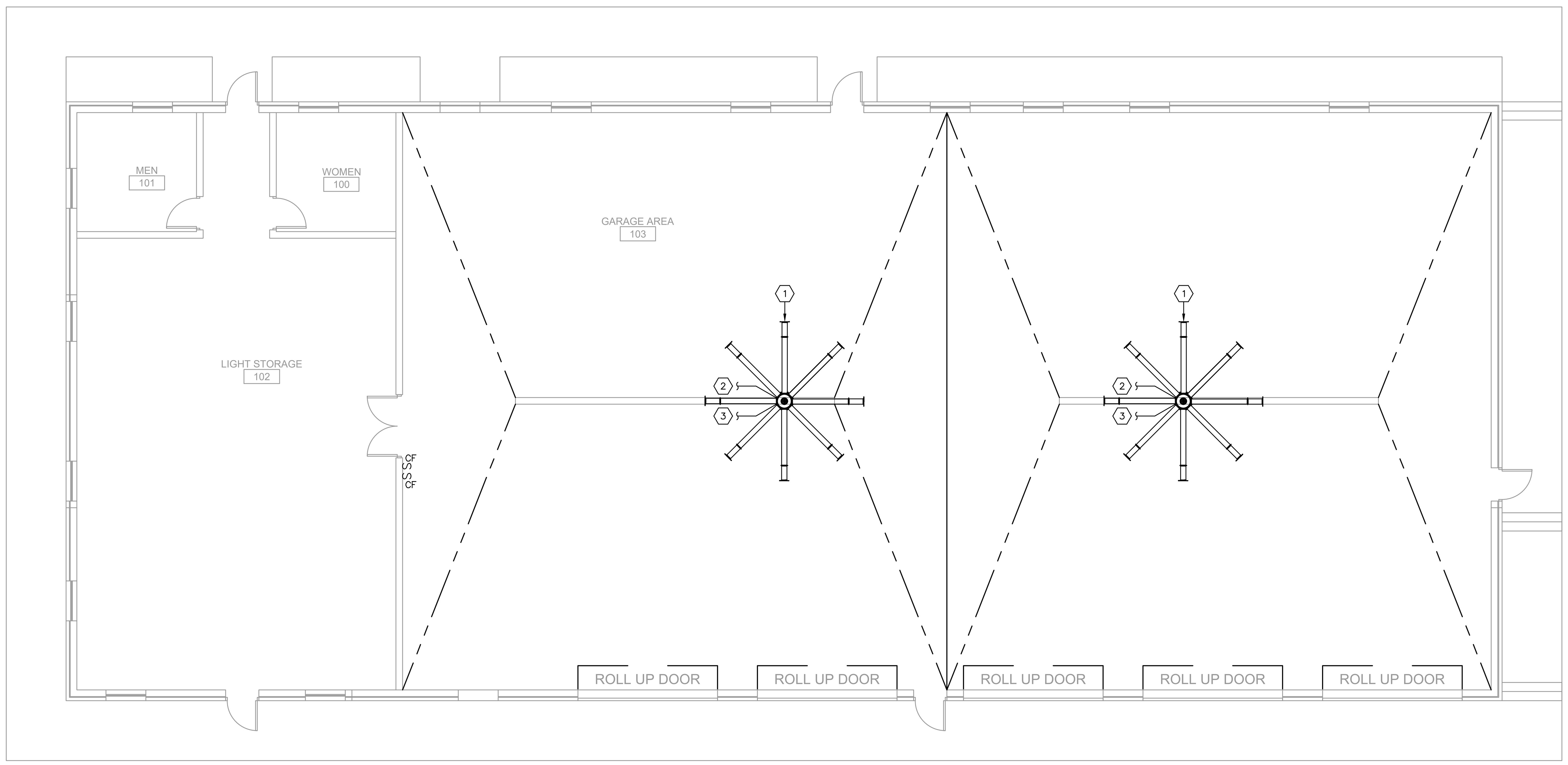
E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. NEW CEILING FAN INSTALLED BY OTHERS.
2. CONNECT FAN TO NEW 20/1 BREAKER AT NEAREST 120 VOLT PANEL WITH 2#12, 1#12G–3/4"C. BREAKER TO BE INSTALLED IN AVAILABLE SPACE, MATCH MANUFACTURER, AND AIC RATING OF PANEL. UPDATE PANEL CIRCUIT DIRECTORY AS REQUIRED.
3. CONTROL WIRING AS REQUIRED IN 3/4"C TO CEILING FAN SWITCHES. VERIFY WIRING REQUIREMENTS PRIOR TO ANY WORK.



NORTH

FIRST FLOOR PLAN - ELECTRICAL

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

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1351 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA
No. 31921
PROFESSIONAL ENGINEER
JAMIE L. BAILEY
3/28/24

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
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BIRMINGHAM, AL 35203
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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024
DRAWN BY: JLB
REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ★ ALABAMA ★

LOCATION
SHADES VALLEY BUILDING **#1351**
OPERATIONS CREW

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E8.0

PROJECT NUMBER
202123

30% DESIGN REVIEW

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	
WT-1	WALL TILE (FIELD TILE)	DALTILE	
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	
WT-3	WALL TILE	MATCH EXISTING	
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	
QB-1	QUARRY TILE BASE	DALTILE	
FLOOR			
FT-1	FLOOR TILE	DALTILE	
FT-2	FLOOR TILE	DALTILE	
FT-3	FLOOR TILE	DALTILE	
SC	SEALED CONCRETE		
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	
PL-2	PLASTIC LAMINATE	WILSONART	
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	
TRIM-4	METAL TRIM FOR CERAMIC WALL TILES	CERAMIC TOOL COMPANY	

FINISH LEGEND

- WALL / BASE / FLOOR — FINISH SYMBOL
- ACCENT FINISH
- ① KEYED FINISH NOTES
- # SHEET — TRANSITION OF FLOOR MATERIAL

GENERAL NOTES - FINISH PLAN:

1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

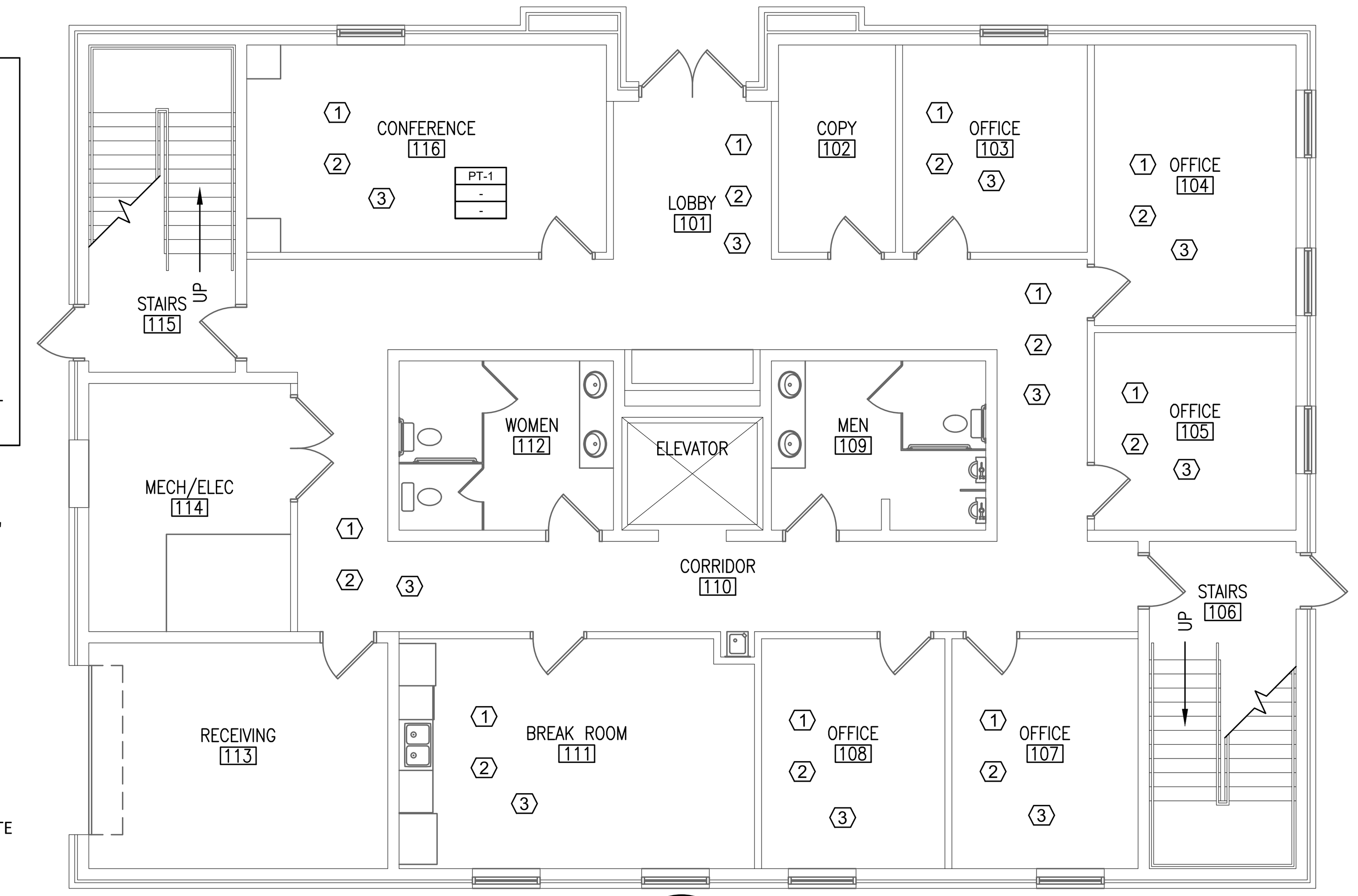
① 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "???" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.

② INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.

③ NOT USED

④ INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY

⑤ MANUFACTURER'S FULL RANGE.
REPLACE DAMAGED WALL TILES WITH NEW AS REQUIRED.



02 FINISH FLOOR PLAN
Scale: 1/8"= 1'-0"

02 NEW FLOOR PLAN
Scale: 1/8"= 1'-0"

KEYED FLOOR PLAN NOTES

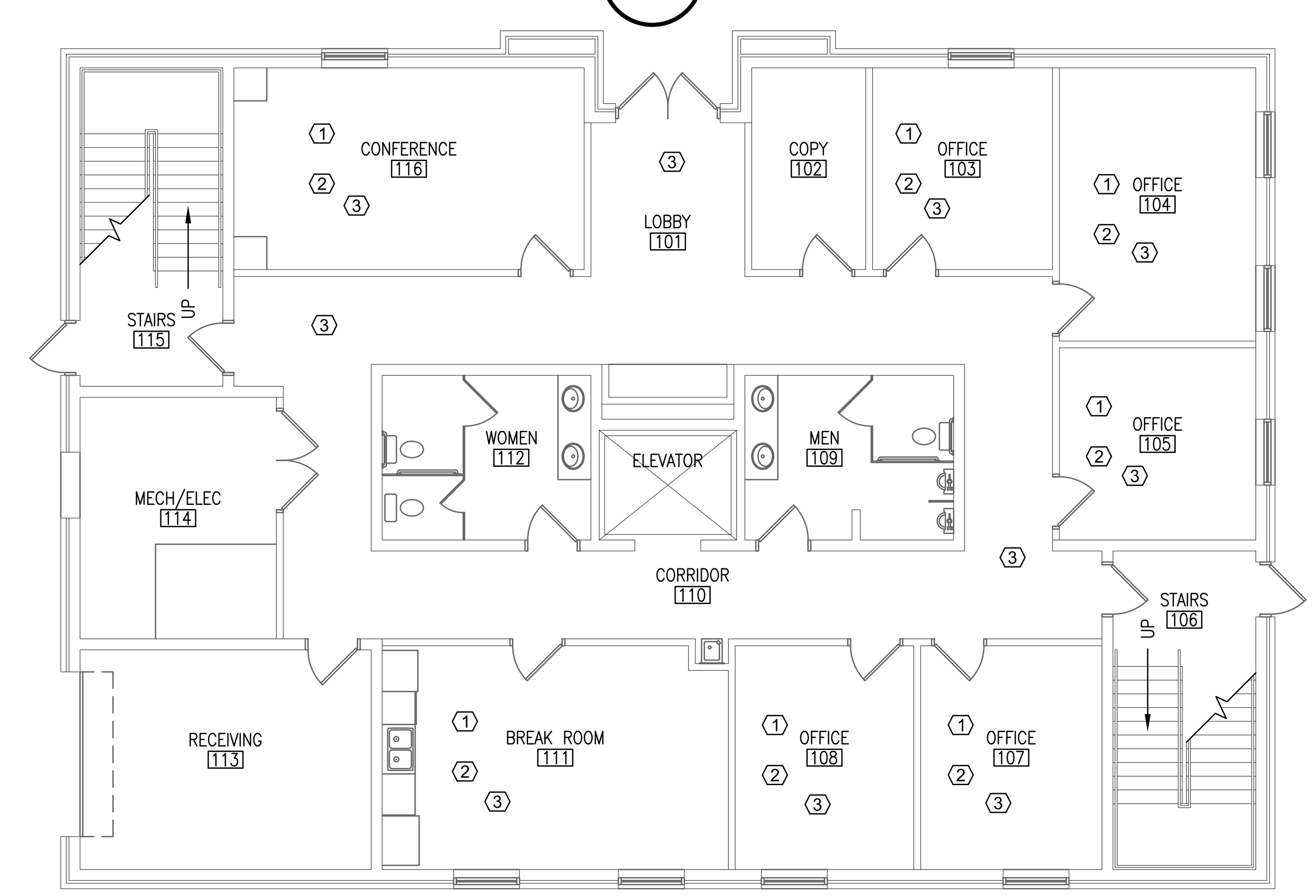
① PROTECT EXISTING FURNITURE AND EQUIPMENT.
② WALLS TO BE CLEANED AND PREPPED FOR PAINT. NEW PAINT TO BE INSTALLED.
③ INSTALL NEW RUBBER BASE.
④ NOT USED.
⑤ NOT USED.
⑥ NOT USED.
⑦ NOT USED.
⑧ NOT USED.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN. THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION. COVER AND PROTECT EXISTING FURNITURE AND EQUIPMENT. DOCUMENT EXISTING CONDITIONS TO SUPPORT ANY POSSIBLE CLAIMS.
2. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
3. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
4. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
5. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
6. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
7. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
8. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.

KEYED DEMOLITION NOTES

① EXISTING WALL MOUNTED ITEMS, WALL PAPER, ETC TO BE REMOVED.
② EXISTING WALL TO BE CLEANED AND PREPPED FOR PAINT.
③ EXISTING BASE TO BE REMOVED.
④ NOT USED.
⑤ NOT USED.
⑥ NOT USED.



NORTH

01 DEMO FLOOR PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1357 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA — NOLANDA HATCHER — NO. 4484 — BIRMINGHAM, ALABAMA — REGISTERED ARCHITECT

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
www.studio2hd.com
OFFICE: 205-264-9988
FAX: 205-264-9992

NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1357
INSTRUMENTATION FACILITY

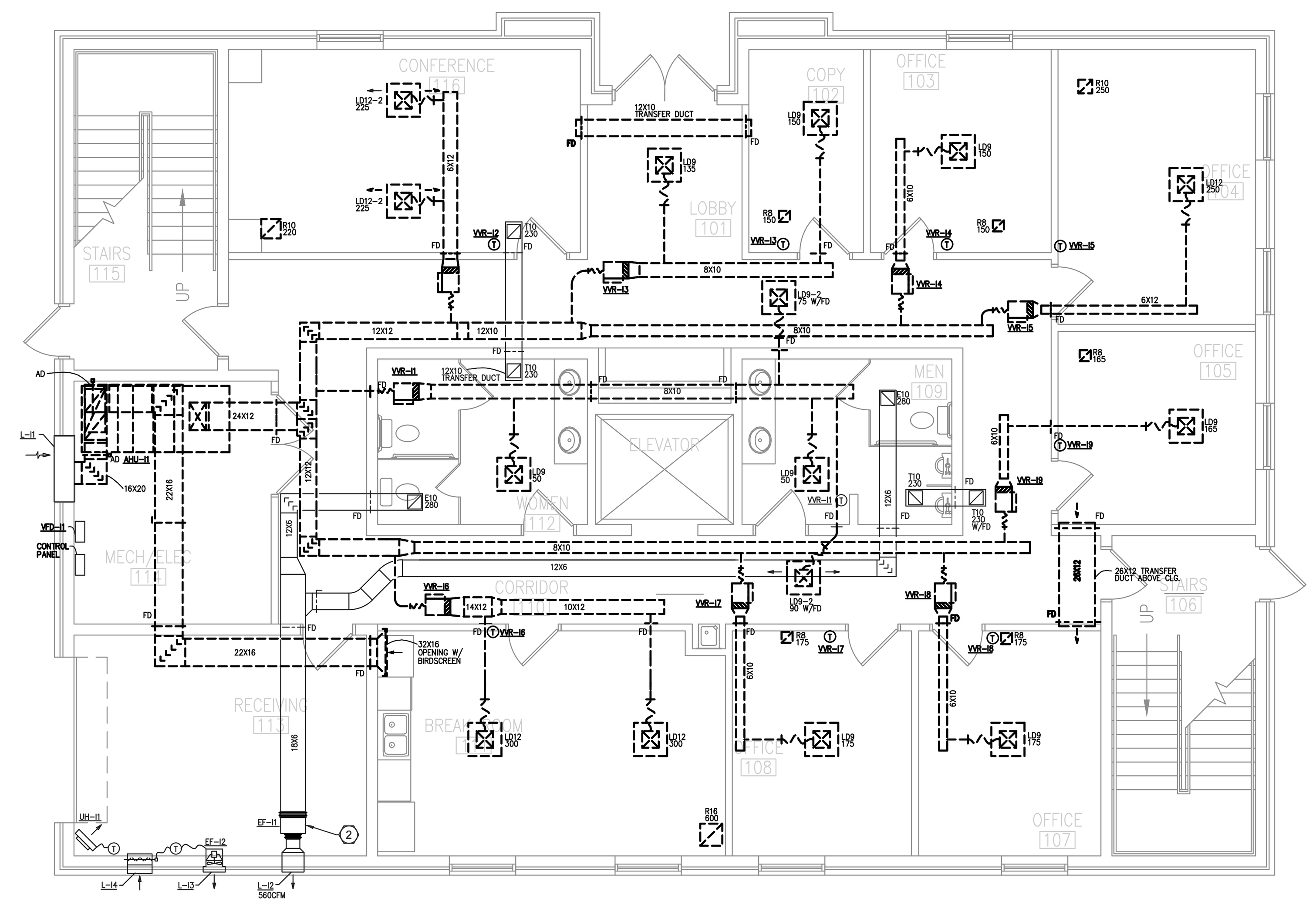
SHEET TITLE
FLOOR PLANS

DRAWING NUMBER
A9.0

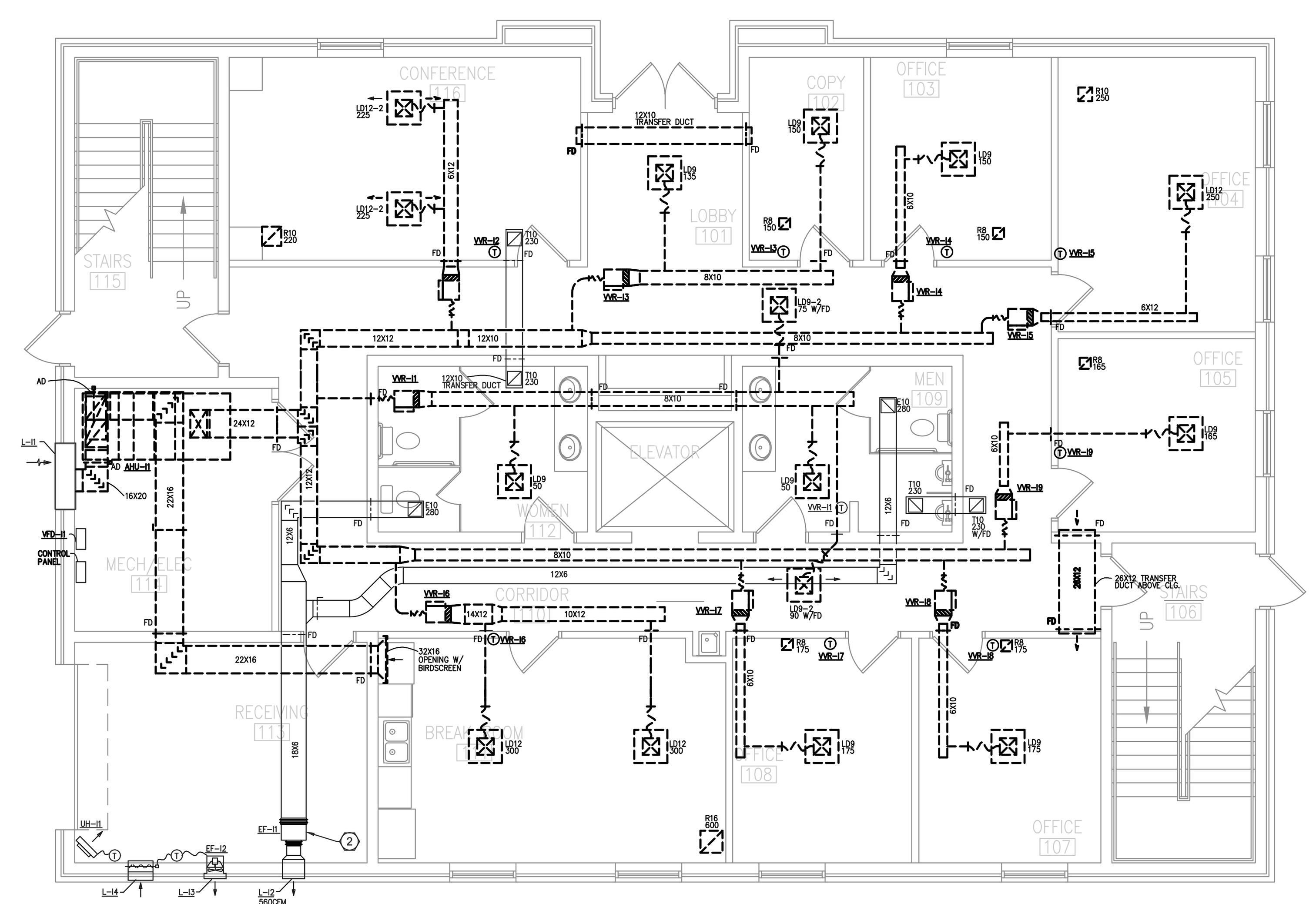
PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



HVAC DUCTWORK PLAN - INSTRUMENT BUILDING DEMOLITION SECOND FLOOR
1/8" = 1'-0"



HVAC DUCTWORK PLAN - INSTRUMENT BUILDING DEMOLITION FIRST FLOOR
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING ALL EXISTING SUPPLY AIR, RETURN AIR DUCTWORK, AIR DEVICES, TERMINAL UNITS AND ALL HYDRONIC PIPING SHOWN OR ASSOCIATED WITH EXISTING HVAC SYSTEMS.
2. EXISTING EXHAUST FAN AND DUCTWORK TO REMAIN.
3. DEMOLISH AND REMOVE ALL EXISTING CONTROL DEVICES INCLUDING THERMOSTATS, HUMIDITY, SENSORS, AND CO2 SENSORS.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

3/29/24

1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
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OFFICE: 205-264-9988
FAX: 205-264-9992

NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
SHADES VALLEY - INSTRUMENTATION BLDG. 1357

SHEET TITLE
FLOOR PLAN - HVAC DEMOLITION

DRAWING NUMBER
M9.0

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
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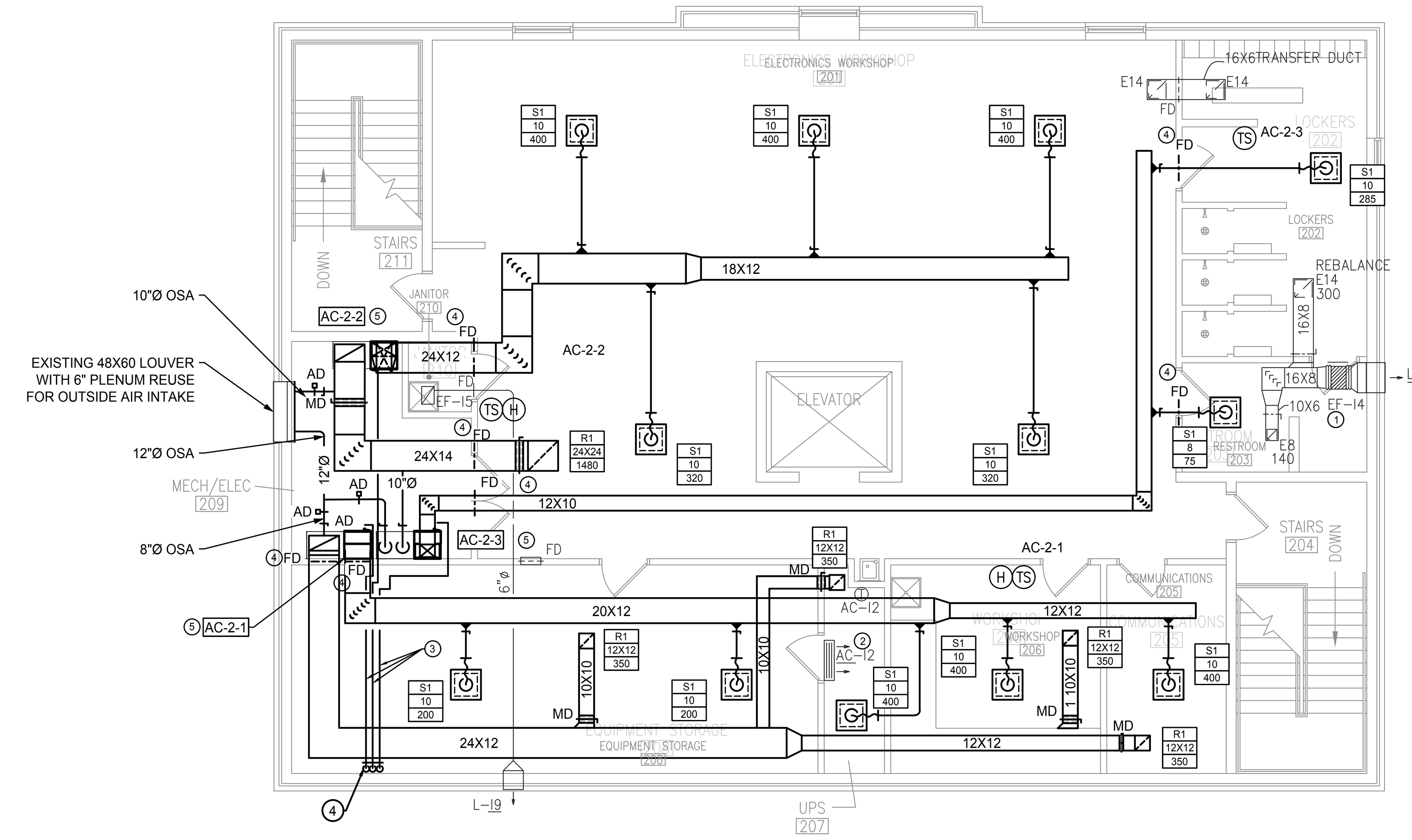
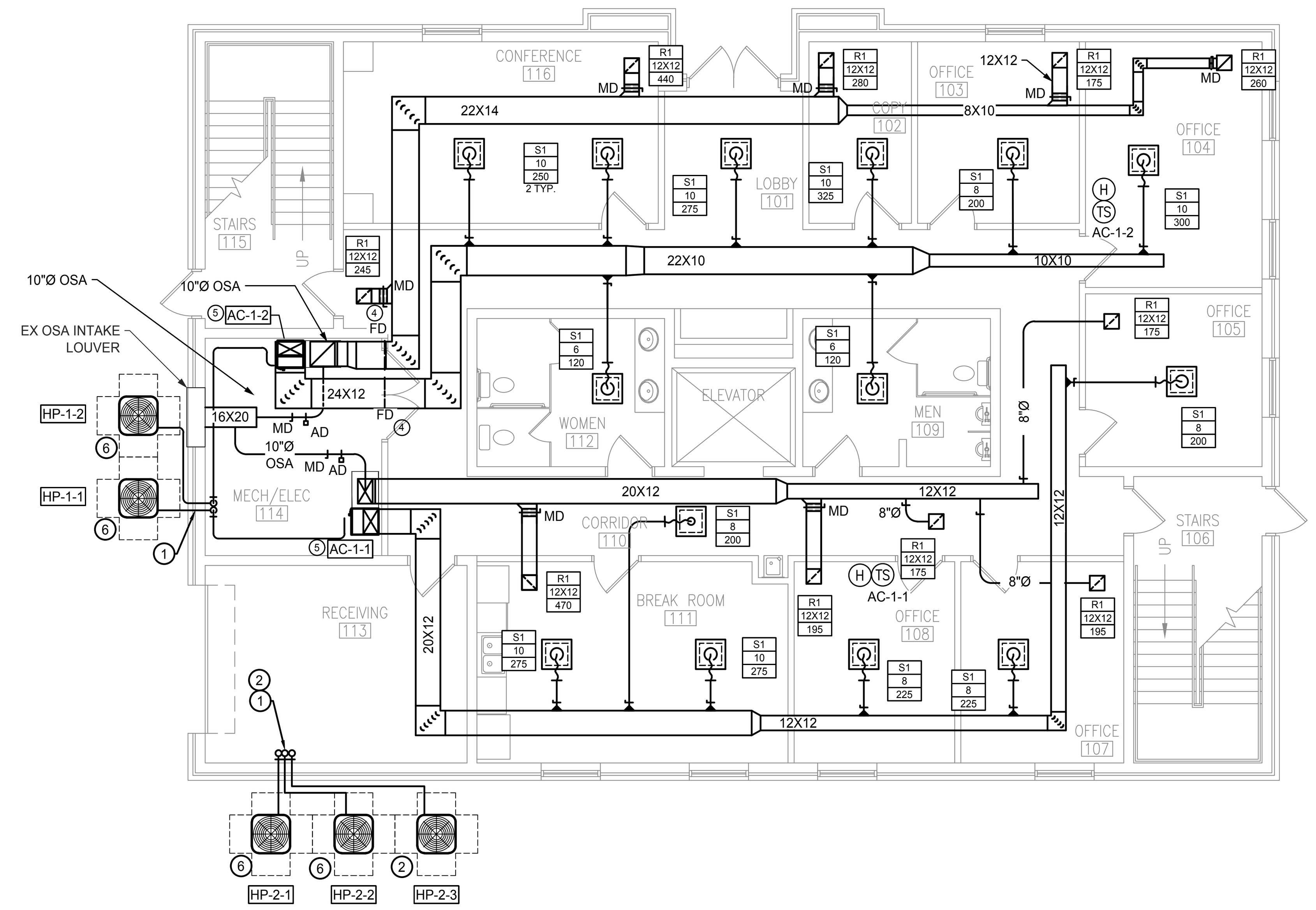
Phone: 205-995-4979
web: bbgs.pro
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192



HVAC DUCTWORK PLAN - INSTRUMENT BUILDING SECOND FLOOR
1/8" = 1'-0"

KEYED NOTES:

1. REUSE EXISTING EXHAUST FAN RE-BALANCE FOR AIR FLOWS SHOWN.
2. EXISTING WALL MOUNTED AC UNIT TO REMAIN.
3. NEW REFRIGERANT HOT GAS AND LIQUID LINES UP FROM FIRST FLOOR TO MECHANICAL ROOM.
4. PROVIDE SQUARE ACCESS DOOR UPSTREAM OF FIRE DAMPER, LENGTH SHALL BE MINIMUM 2" SMALLER THAN THE DUCT WIDTH.
5. RUN 1"Ø CONDENSATE DRAIN LINE TO THE FLOOR MECHANICAL ROOM FLOOR DRAIN.
6. ANCHOR HEAT PUMP UNIT TO NEW 4" POURED IN PLACE CONCRETE PAD.



HVAC DUCTWORK PLAN - INSTRUMENT BUILDING FIRST FLOOR
1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 28512 LAWRENCE J. BARNESS
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

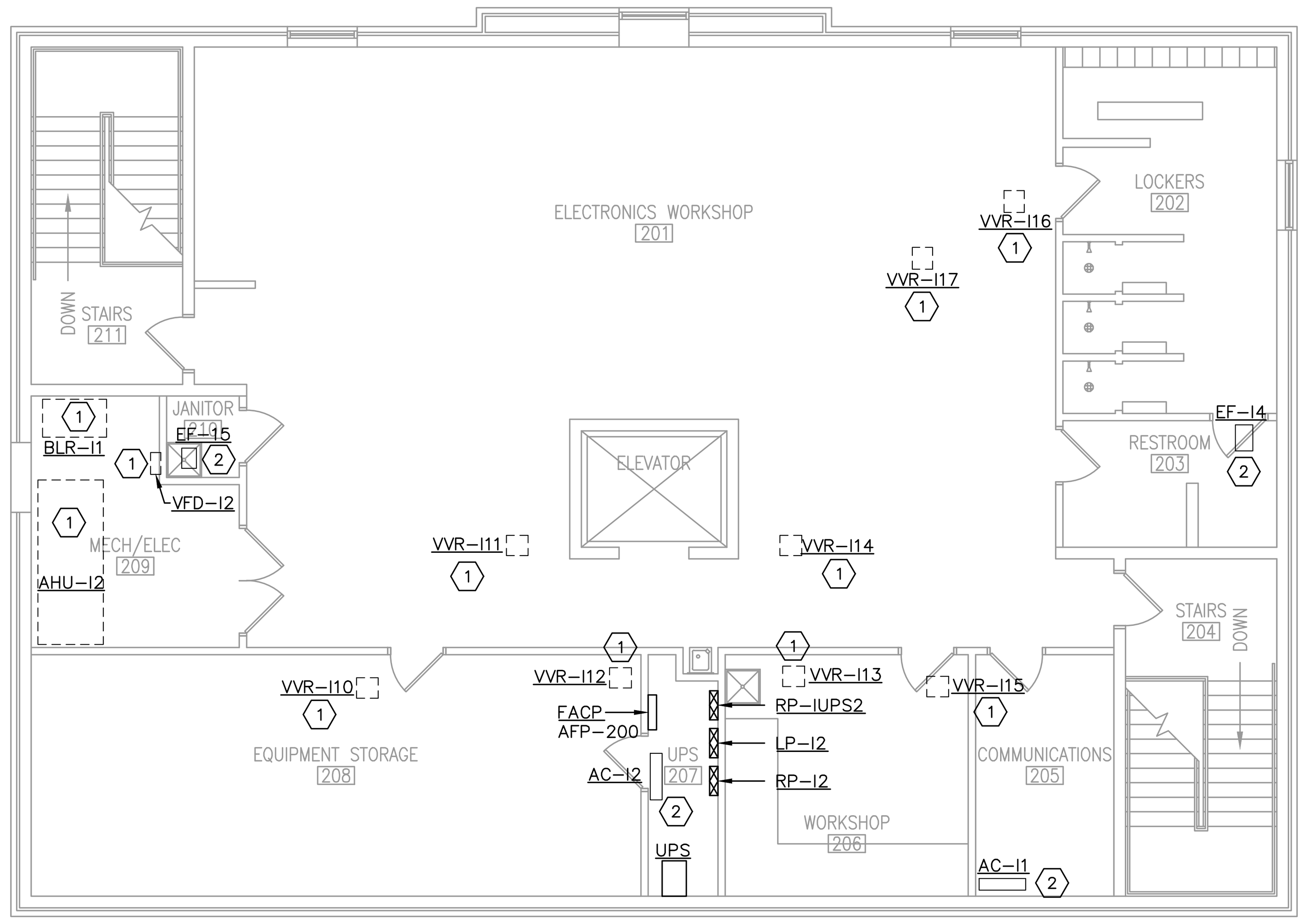
JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY
INSTRUMENTATION BUILDING 1357

SHEET TITLE
FLOOR PLAN -
HVAC NEW WORK

DRAWING NUMBER
M9.1

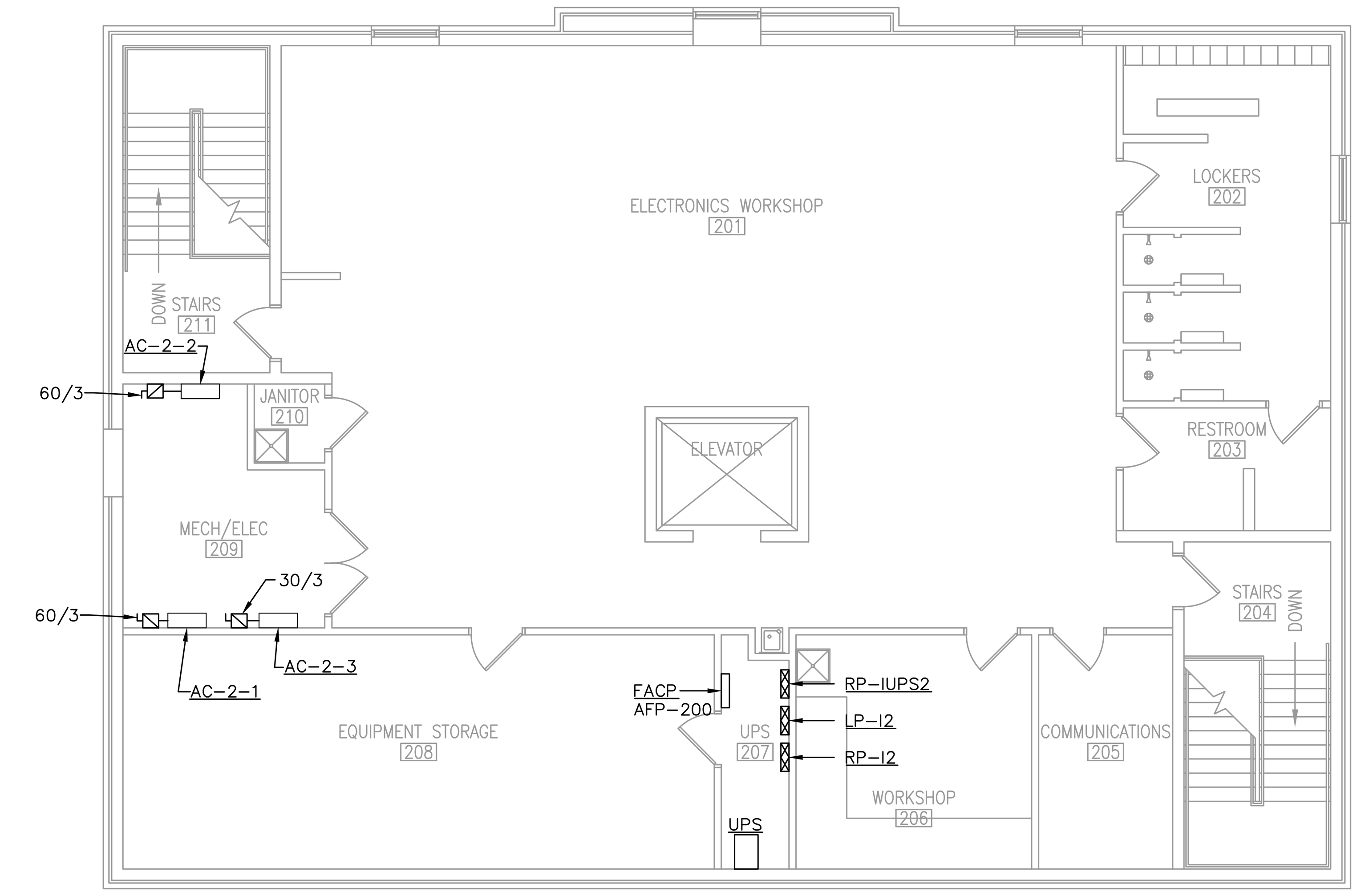
PROJECT NUMBER
202123



SECOND FLOOR PLAN - DEMOLITION

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

NORTH



SECOND FLOOR PLAN - ELECTRICAL

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

NORTH

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

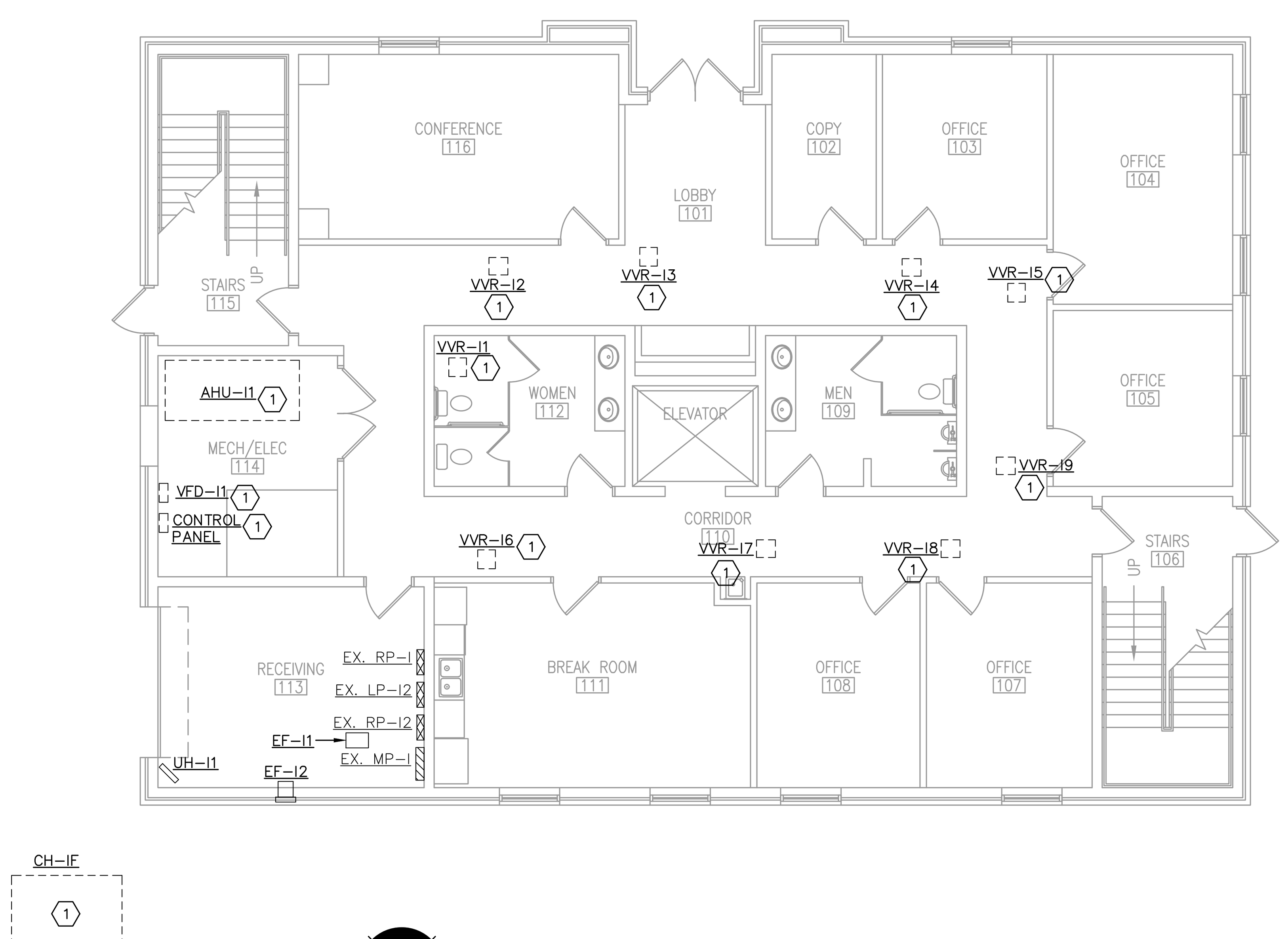
E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

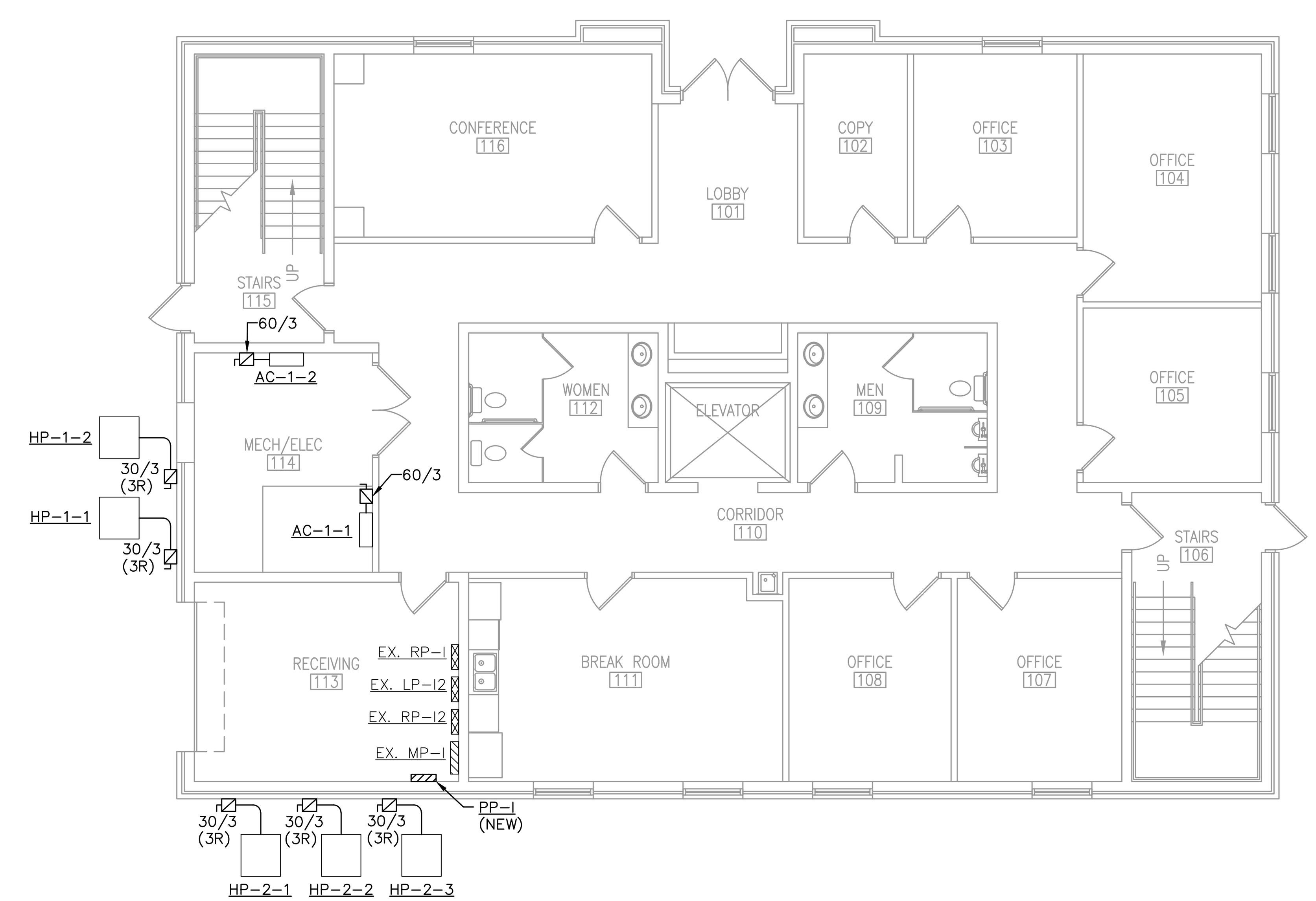
1. EXISTING EQUIPMENT TO BE REMOVED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE ASSOCIATED DISCONNECT SWITCH, WIRING, AND CONDUIT BACK TO SOURCE COMPLETE.
2. EXISTING EQUIPMENT TO REMAIN. PROTECT EXISTING CONDUIT, WIRING, AND CONNECTIONS AS REQUIRED.
3. EXISTING PANEL IS A GE SPECTRA SERIES APNB, 800 AMP, MAIN BREAKER, 120/208 VOLT, 3 PHASE 4 WIRE, 100KAIC. PROVIDE NEW BREAKERS AS CALLED FOR IN SCHEDULES AND/ OR PLAN NOTES.



FIRST FLOOR PLAN - DEMOLITION

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

NORTH



FIRST FLOOR PLAN - ELECTRICAL

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

NORTH

EQUIPMENT CONNECTIONS

UNIT	VOLTS	PHASE	LOAD	MOCP	DISCONNECT SWITCH	PANEL	CKT #	BREAKER	NOTES
AC-1-1	208	3	34.5 MCA	35	60/3 (1R)	PP-I	1,3,5	40/3	·
AC-1-2	208	3	51.8 MCA	60	60/3 (1R)	MP-I	3	60/3	1
AC-2-1	208	3	51.8 MCA	60	60/3 (1R)	MP-I	4	60/3	1
AC-2-2	208	3	51.8 MCA	60	60/3 (1R)	MP-I	12	60/3	1
AC-2-3	208	3	24.9 MCA	25	30/3 (1R)	PP-I	7,9,11	60/3	·
HP-1-1	208	3	14.5 MCA	25	30/3 (3R)	PP-I	2,4,6	25/3	·
HP-1-2	208	3	21.5 MCA	30	30/3 (3R)	PP-I	8,10,12	30/3	·
HP-2-1	208	3	14.5 MCA	25	30/3 (3R)	PP-I	14,16,18	25/3	·
HP-2-2	208	3	21.5 MCA	30	30/3 (3R)	PP-I	20,22,24	30/3	·
HP-2-3	208	3	11.7 MCA	20	30/3 (3R)	PP-I	26,28,30	20/3	·

SCHEDULE NOTE:
1) NEW BREAKER TO BE MOUNTED IN AVAILABLE SPACE MADE BY DEMOLITION. SEE PLAN NOTES FOR EXISTING PANEL DESCRIPTION AND CHARACTERISTICS.

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CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-09.dwg Time: 4:03:23 pm

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1357 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMES L. BAILEY
3/28/24

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DATE: 03/29/2024
DRAWN BY: JLB
REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
SHADES VALLEY BUILDING #1357
INSTRUMENTATION FACILITY

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E9.0

PROJECT NUMBER
202123

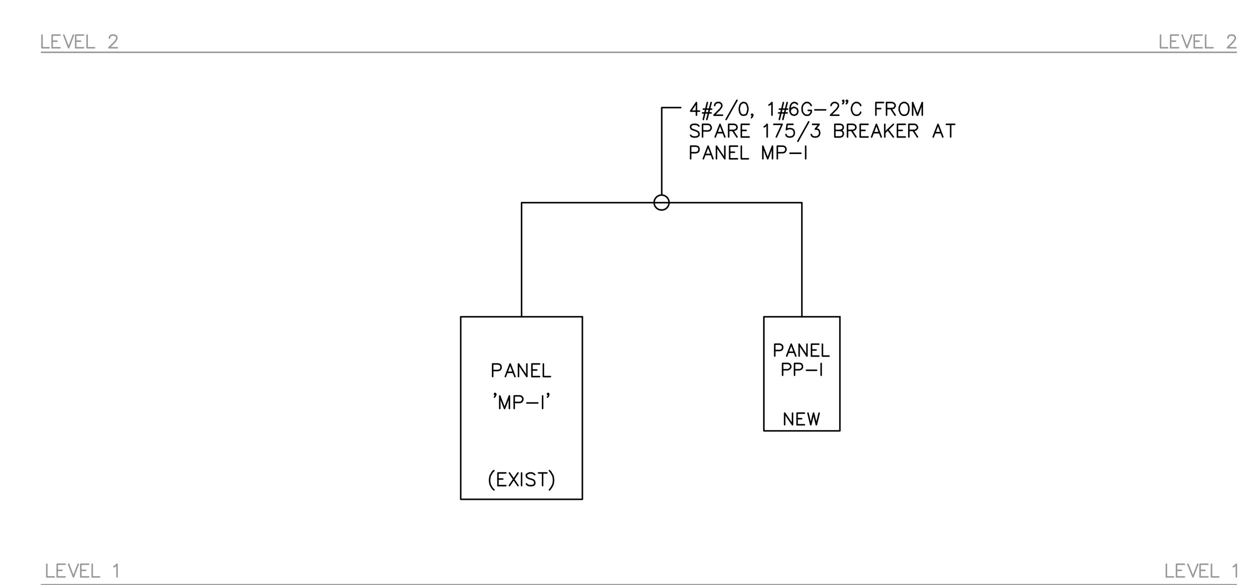
30% DESIGN REVIEW

1 2 3 4 5 6 7 8

PANEL: PP-I	PANEL AMPS	200 AMPS	VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ		MOUNTING	SURFACE
	MAIN TYPE	M.L.O.			NEMA RATING	NEMA 1
	MAIN BREAKER RATING	N/A	AIC RATING	22,000	LOCATION	ELECTRICAL ROOM
TYPE: BQL	SOLID NEUTRAL	100%	CALC FAULT CURRENT		FED FROM	PANEL MP-I - 175/3 BKR
	GROUND BUS	100%	BREAKER FEATURES: **GFI** = GROUND FAULT CIRCUIT INTERRUPTER; **ST** = SHUNT TRIP; **TH** = TIE HANDLE; **AF** - ARC FAULT CIRCUIT INTERRUPTER; **LO** = LOCK-ON DEVICE			

ONE SECTION PANEL

CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE A	PHASE B	PHASE C	CKT LOAD	WIRE SIZE	DESCRIPTION	LOAD TYPE	BREAKER	CKT NO
1		HTG		4#8,	4140	5880			1740	4#10,		A/C		2
3	40/3	HTG	INDOOR UNIT AC-1-1	1#10G-	4140		5880		1740	1#10G-	OUTDOOR UNIT HP-1-1	A/C	25/3	4
5		HTG		1"C.	4140			5880	1740	1"C.		A/C		6
7		HTG		4#10,	2988	5568			2580	4#10,		A/C		8
9	30/3	HTG	INDOOR UNIT AC-2-3	1#10G-	2988		5568		2580	1#10G-	OUTDOOR UNIT HP-1-2	A/C	30/3	10
11		HTG		1"C.	2988			5568	2580	1"C.		A/C		12
13			SPACE			1740			1740	4#10,		A/C		14
15			SPACE				1740		1740	1#10G-	OUTDOOR UNIT HP-2-1	A/C	25/3	16
17			SPACE					1740	1740	1"C.		A/C		18
19			SPACE			2580			2580	4#10,		A/C		20
21			SPACE				2580		2580	1#10G-	OUTDOOR UNIT HP-2-2	A/C	30/3	22
23			SPACE					2580	2580	1"C.		A/C		24
25			SPACE			1404			1404	4#12,		A/C		26
27			SPACE				1404		1404	1#12G-	OUTDOOR UNIT HP-2-3	A/C	20/3	28
29			SPACE					1404	1404	1"C.		A/C		30
31			SPACE			0					SPACE			32
33			SPACE				0				SPACE			34
35			SPACE					0			SPACE			36
37			SPACE			0					SPACE			38
39			SPACE				0				SPACE			40
41			SPACE					0			SPACE			42
				PHASE TOTALS		17172	17172	17172						



ELECTRICAL RISER DIAGRAM

SCALE: NONE

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CCE No. 2252H05 Date: Apr 10, 2024
File: ER-09.dwg Time: 4:05:27 pm

PROJECT TITLE

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1357 OAK GROVE RD
BIRMINGHAM, AL 35209

SEAL

STATE OF ALABAMA REGISTERED No. 31921 PROFESSIONAL ENGINEER JAMIE L. BAILEY
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DATE: 03/29/2024
DRAWN BY: JLB
REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

SHADES VALLEY BUILDING #1357
INSTRUMENTATION FACILITY

SHEET TITLE

RISER DIAGRAM AND
PANEL SCHEDULES

DRAWING NUMBER

E9.1

PROJECT NUMBER

202123

30% DESIGN REVIEW

NORTH

01 VILLAGE CREEK SITE PLAN
Scale: 0'-1/128" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

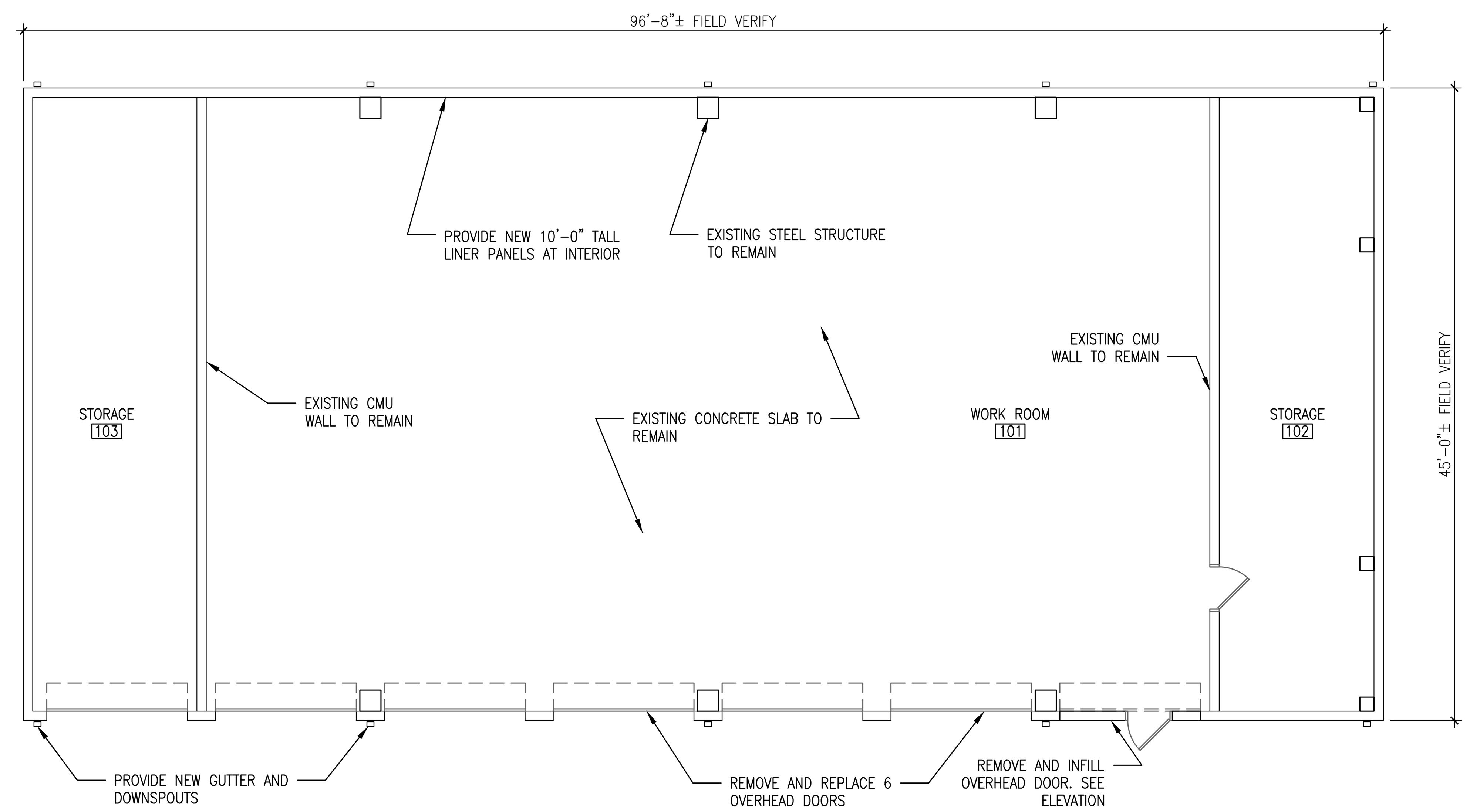
JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK

SHEET TITLE
SITE PLAN

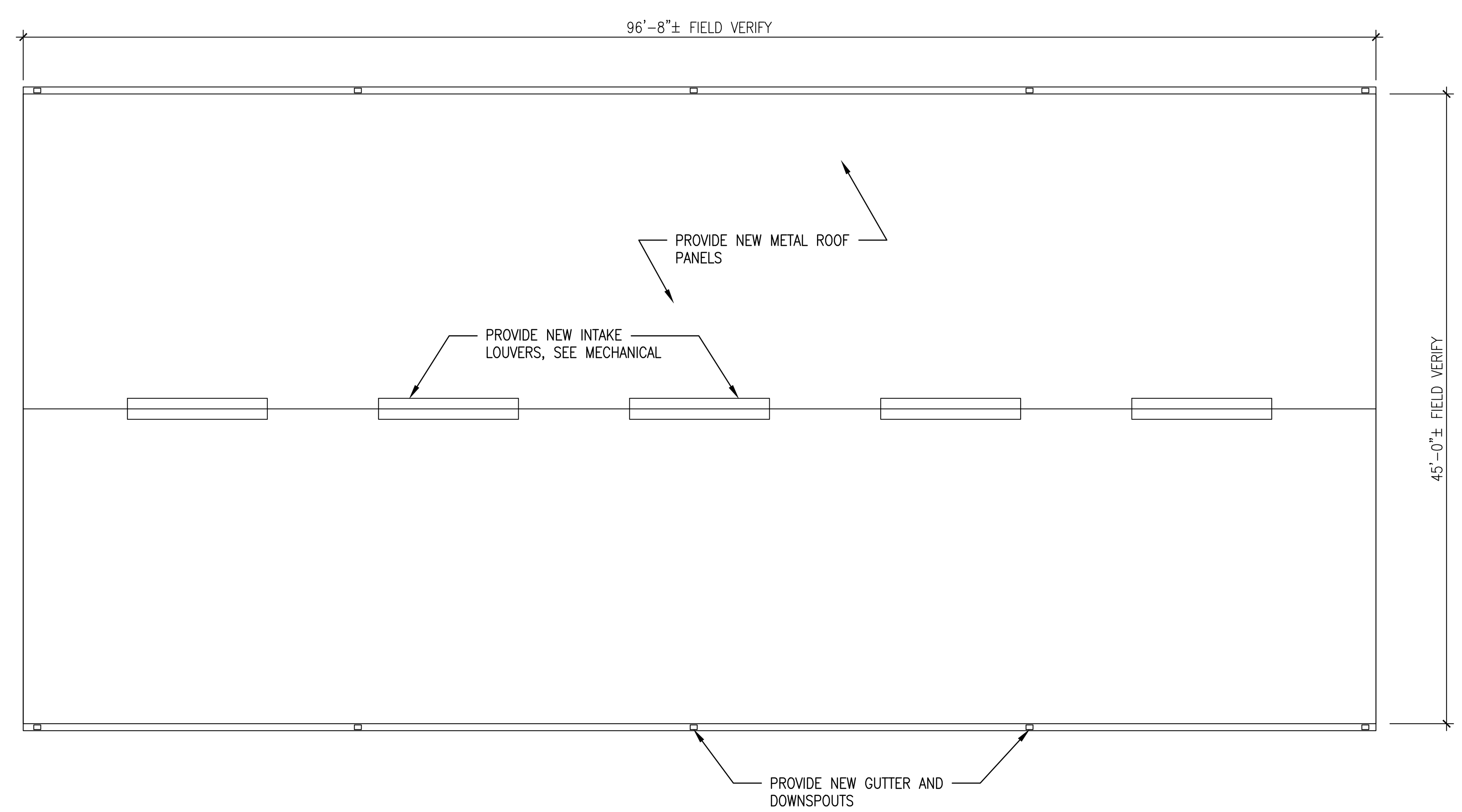
DRAWING NUMBER
A10.0

PROJECT NUMBER
202123



NORTH

02 FLOOR PLAN



NORTH

01 ROOF PLAN

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ★ ALABAMA ★

LOCATION

VILLAGE CREEK
CONSTRUCTION SHOP BUILDING

SHEET TITLE

FLOOR PLAN & ROOF PLAN

DRAWING NUMBER

A11.0

PROJECT NUMBER

202123

CHECKLIST
CHECK MARK DENOTES ITEMS TO BE PROVIDED FOR THIS BUILDING.
GC SHALL INSPECT EACH ITEM IN THE FIELD AND ADVISE THE ARCHITECT IF A CHANGE IN THE SCOPE OF WORK IS RECOMMENDED.

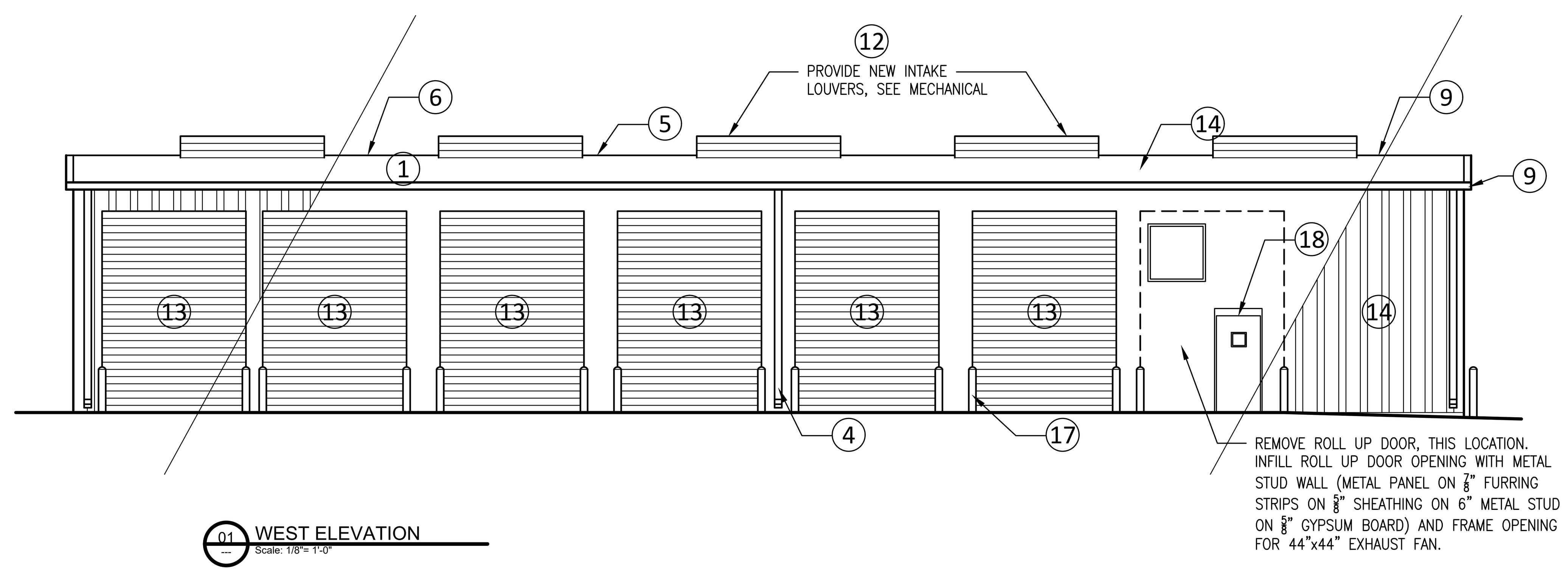
- ☒ NEW GUTTERS AND FLASHING
- ☒ NEW FASCIA AT GUTTERS
- ☒ NEW DOWNSPOUTS
- ☒ NEW SOFFITS
- ☒ NEW RAKE FASCIA
- ☒ NEW RIDGE CAP
- ☒ NEW RIDGE VENT
- ☒ NEW SEALANT AND CAULK AT DOORS AND WINDOWS
- ☒ PAINT HOLLOW METAL DOORS AND FRAMES (INSIDE AND OUT OF EXTERIOR DOORS)
- ☒ PAINT BOLLARDS
- ☒ PAINT ROLL-UP DOOR FRAMES

ROOFING DEMOLITION GENERAL NOTES
NOTES ARE GENERIC - NOT EVERY NOTE APPLIES TO EVERY SHEET. SEE CHECKLIST FOR INDIVIDUAL ROOFING SCOPES.

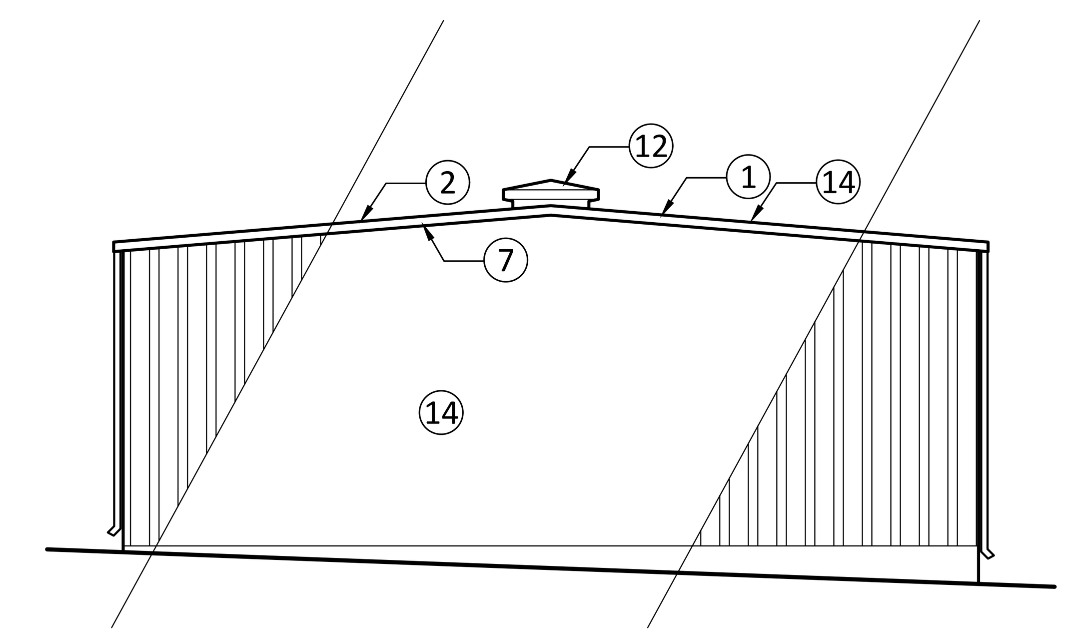
A. LOCATE DUMPSTERS ADJACENT TO BUILDING WHERE ROOFING IS BEING DEMOLISHED IN AREA APPROVED BY OWNER'S REPRESENTATIVE. REMOVE FILLED DUMPSTERS WITHIN 24 HOURS AFTER THEY ARE FILLED TO CAPACITY.
B. PLACE DEMOLISHED MATERIALS IN DUMPSTERS, NO MATERIALS ARE TO BE STOCKPILED ON THE GROUND.
C. RAKE OR SWEEP AREAS AROUND THE BUILDING WHERE ROOFING IS DEMOLISHED ON A DAILY BASIS.
D. DEMOLISH EXISTING SHINGLES/METAL PANELS, MEMBRANE UNDERLAYMENT, AND FELTS DOWN TO EXISTING DECKING.
E. MARK AREAS OF DETERIORATED DECKING AND REVIEW WITH ARCHITECT FOR REPLACEMENT WITH DECKING UNDER UNIT COST ALLOWANCE.
F. DEMOLISH EXISTING EAVE AND RAKE FLASHING, SOFFIT PANELS, AND FASCIA TO EXPOSE EXISTING ROOF JOIST OUTRIGGERS.
G. REPLACE DAMAGED FRAMING AT RAKES AND EAVES UNDER UNIT COST ALLOWANCE.

KEYED NOTES
ONLY ITEMS KEYED ON THIS SHEET APPLY TO THIS BUILDING.

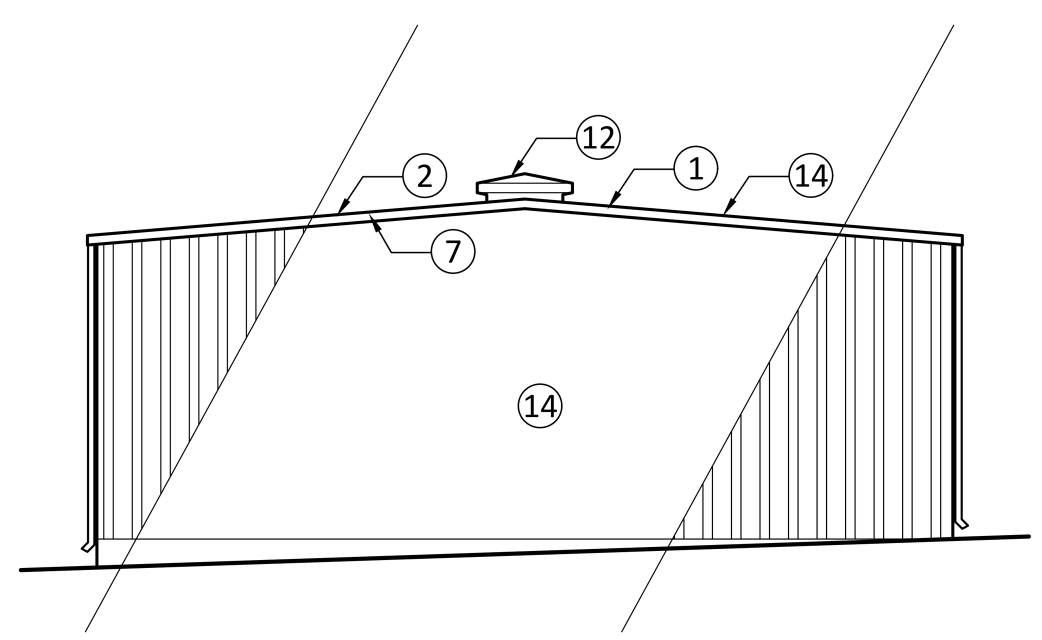
1. PROVIDE NEW METAL ROOF PANELS OVER 1 LAYER OF 30 LBS. FELT ON EXISTING ROOF DECKING. REPLACE ROOF DECKING WHERE NECESSARY.
2. PROVIDE NEW SELF-ADHERING MEMBRANE UNDERLAYMENT AT EAVES, RAKES, RIDGES, AND OTHER AREAS INDICATED, LAP FELT OVER UNDERLAYMENT.
3. NEW PREFINISHED GUTTERS
4. NEW PREFINISHED DOWNSPOUTS
5. NEW RIDGE CAP (TYPICAL AT STEEL STRUCTURE)
6. NEW RIDGE VENT (TYPICAL AT STEEL STRUCTURE)
7. NEW RAKE FASCIA AND FLASHING
8. EXISTING MECHANICAL EQUIPMENT TO REMAIN
9. NEW PIPE BOOT FLASHING AT ALL EXISTING PLUMBING VENTS
10. EXISTING SKYLIGHTS TO BE DEMOLISHED AND DECK INFILLED - SEE DETAIL 4/A60.2
11. SEE ROOF DETAILS SHEET A60.2
12. NEW INTAKE LOUVER AND EXHAUST FAN
13. NEW OVERHEAD DOORS w/ ELECTRIC OPERATORS
14. NEW INSULATION AT ROOF AND WALLS. NEW ROOF AND WALL PANELS
15. PREP AND PAINT EXISTING STRUCTURE
16. NEW INTERIOR LINER PANELS AT LOWER PORTION OF WALLS
17. PAINT EXISTING BOLLARDS
18. EXTERIOR HOLLOW METAL FRAME AND DOOR



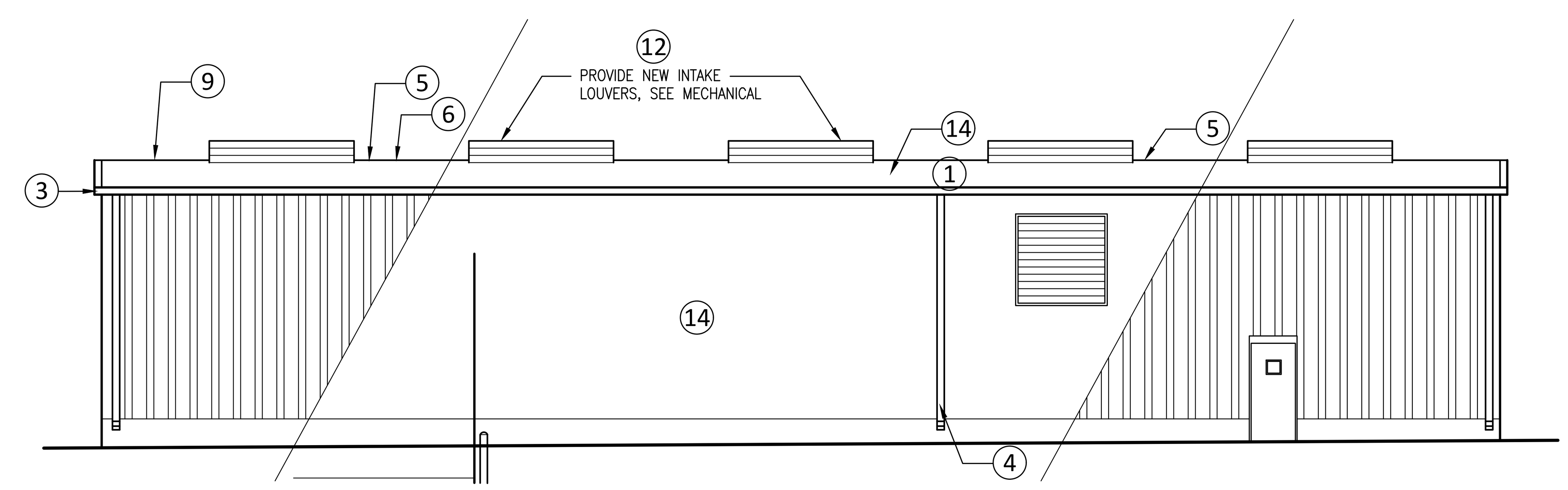
01 WEST ELEVATION
Scale: 1/8" = 1'-0"



02 SOUTH ELEVATION
Scale: 1/8" = 1'-0"



03 NORTH ELEVATION
Scale: 1/8" = 1'-0"



03 EAST ELEVATION
Scale: 1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

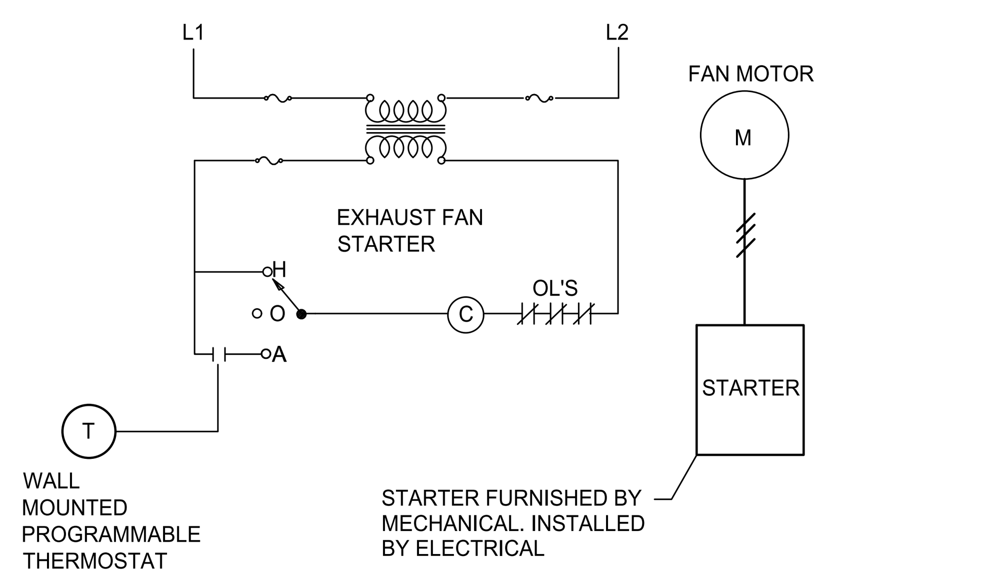
JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK
CONSTRUCTION SHOP BUILDING

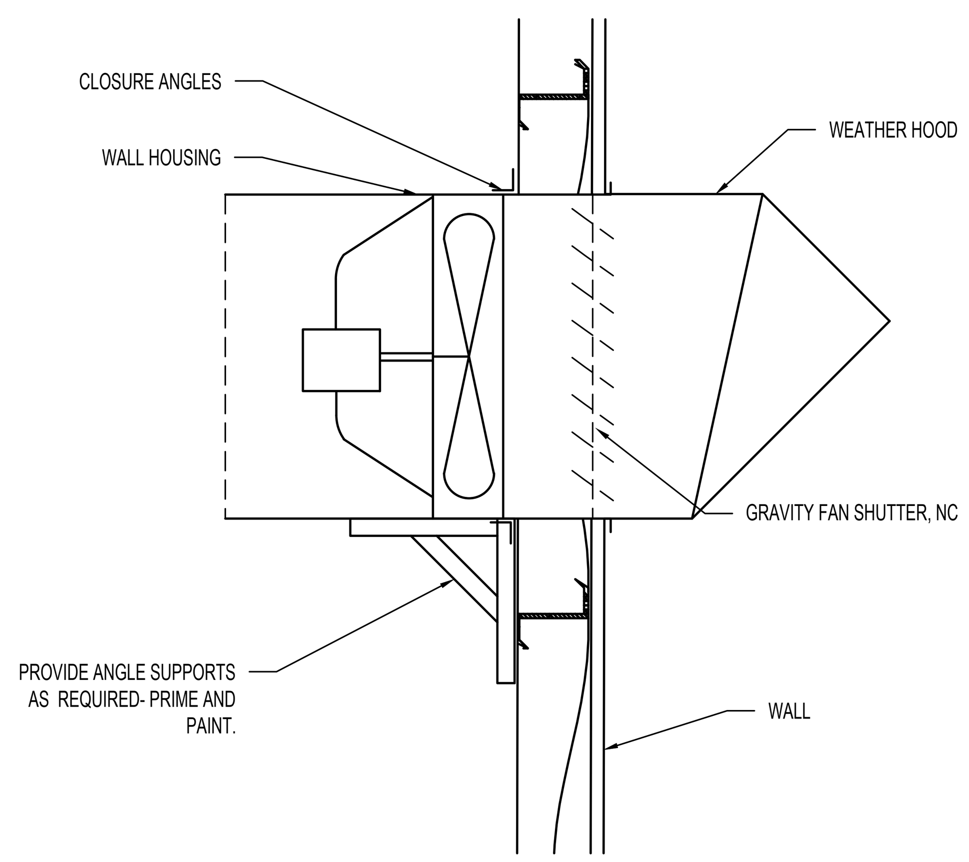
SHEET TITLE
EXTERIOR ELEVATIONS

DRAWING NUMBER
A11.1

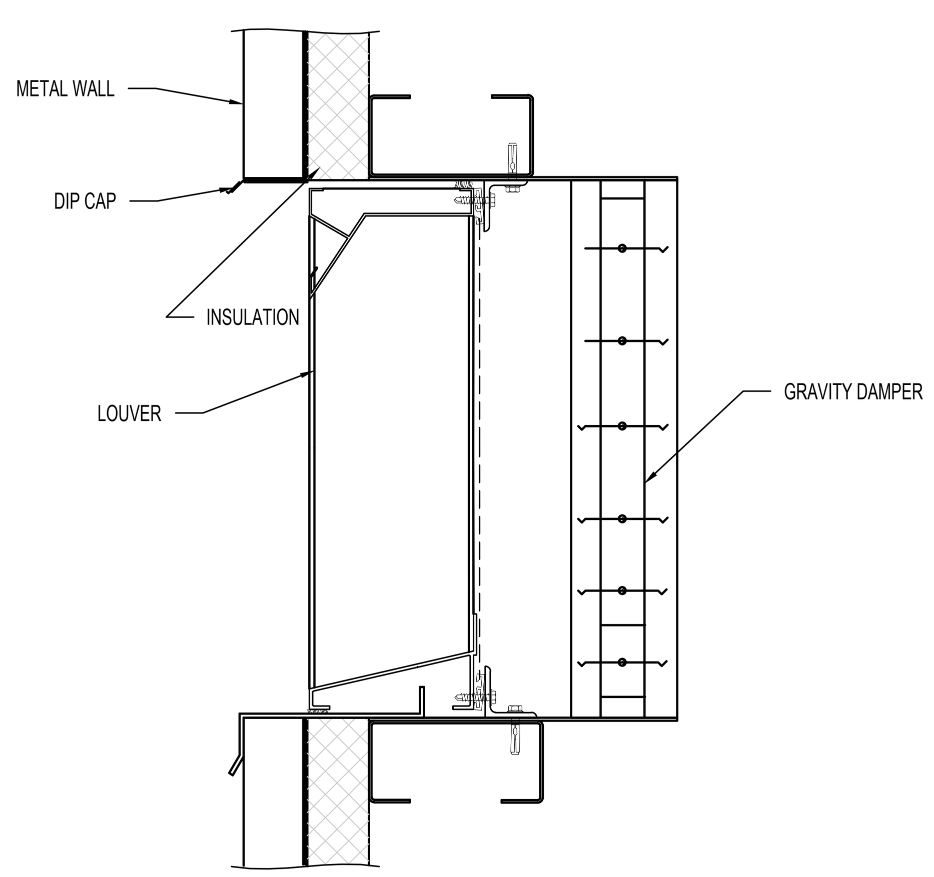
PROJECT NUMBER
202123



EXHAUST FAN CONTROL DIAGRAM | CD NO: 1



SIDEWALL PROPELLER FAN MOUNTING | DETAIL NO: 1



LOUVER INSTALLATION IN METAL PANEL WALL | DETAIL NO: 2

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DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

FAN SCHEDULE

MARK	SERVES	LOCATION	TYPE	CFM	E.S.P IN. W.G	LIMIT (SONES)	MOTOR HP	MOTOR V/Ph/Hz	ACCESSORIES	INTERLOCK	BASIS OF DESIGN (GREENHECK)
EF-1	CONST SHOP BLDG	WALL MOUNTED	[A]	8750	0.375	21	1 1/2	208/3/60	[1] [2] [3] [4] [5] [6]	TSTAT	SBE-3H30-15
EF-2	CONST SHOP BLDG	WALL MOUNTED	[A]	8750	0.375	21	1 1/2	208/3/60	[1] [2] [3] [4] [5] [6]	TSTAT	SBE-3H30-15

FAN TYPES
[A] SIDEWALL PROPELLER SIDE FAN, BELT DRIVE

NOTES:
1. PROVIDE BASIS OF DESIGN FAN OR APPROVE EQUAL.

FAN ACCESSORIES
[1] DISCONNECT SWITCH
[2] OUTLET BIRD SCREEN
[3] EXTERIOR WEATHER HOOD
[4] WALL HOUSING
[5] BACKDRAFT DAMPER
[6] MOTOR SIDE GUARD

LOUVER SCHEDULE

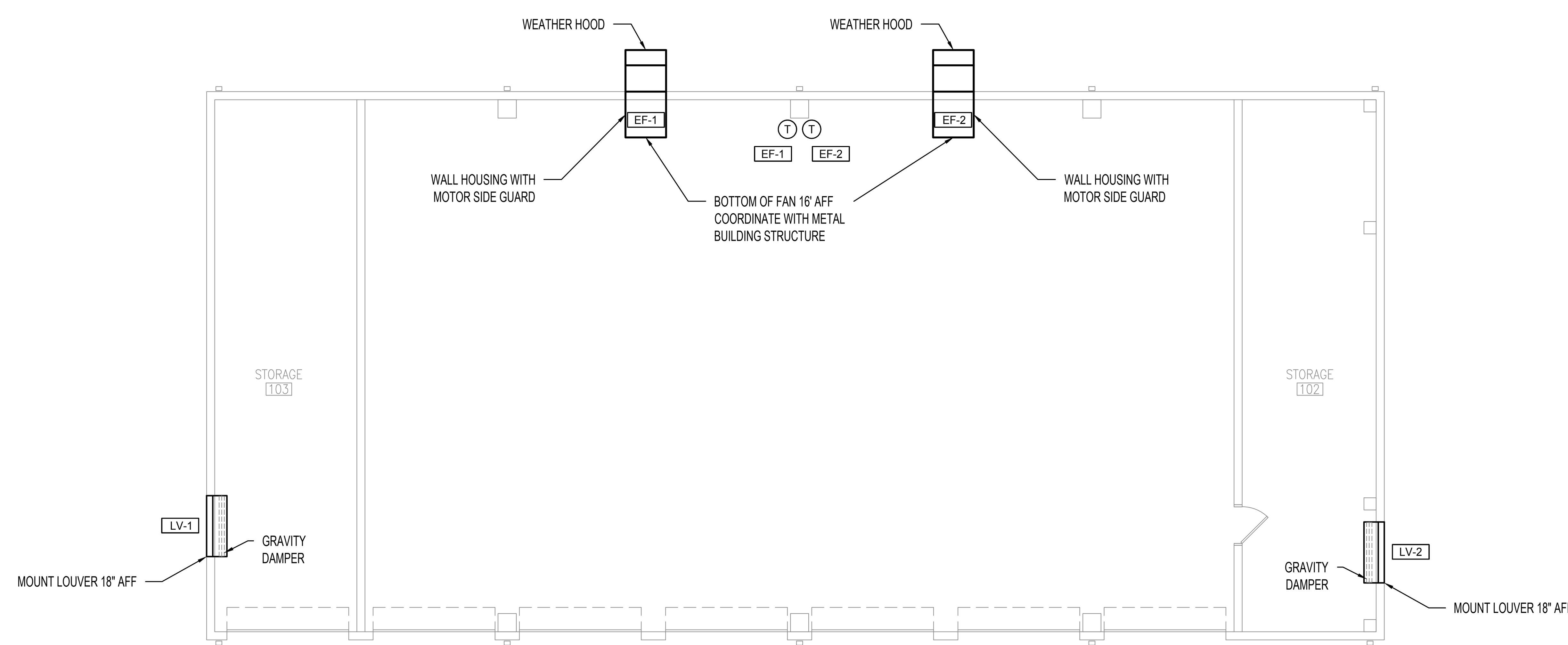
MARK	TYPE	WIDTH	HEIGHT	DEPTH	ACCESSORIES	FINISH	BASIS OF DESIGN (GREENHECK)
L-1	I	60	44	6"	[1] [2] [3] [4] [5]	[A]	ESD-635X
L-2	I	60	44	6"	[1] [2] [3] [4] [5]	[A]	ESD-635X

TYPES:
I. FLORIDA PRODUCT APPROVED DRAINABLE FIXED BLADE GREENHECK ESD-635X OR EQUAL

FINISH:
[A] BAKED ENAMEL

NOTES
1. COLOR SELECTED BY ARCHITECT FROM FACTORY STANDARD COLORS.

ACCESSORIES
[1] FORMED ALUMINUM EXTENDED STILL
[2] FLANGED FRAME
[3] BIRDSCREEN, ALUMINUM
[4] BACKDRAFT DAMPER
[5] WEATHER HOOD



7 HVAC PLAN - CONSTRCTION SHOP BUILDING
1/8" = 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STUDIO 2H DESIGN, LLC
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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK
CONSTRUCTION SHOP BUILDING

SHEET TITLE
FLOOR PLAN -
HVAC NEW WORK

DRAWING NUMBER
M11.0

PROJECT NUMBER
202123

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com

CCE No.	22S2H05	Date:	Apr 10, 2024
File:	EP-11.dwg	Time:	4:05:56 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

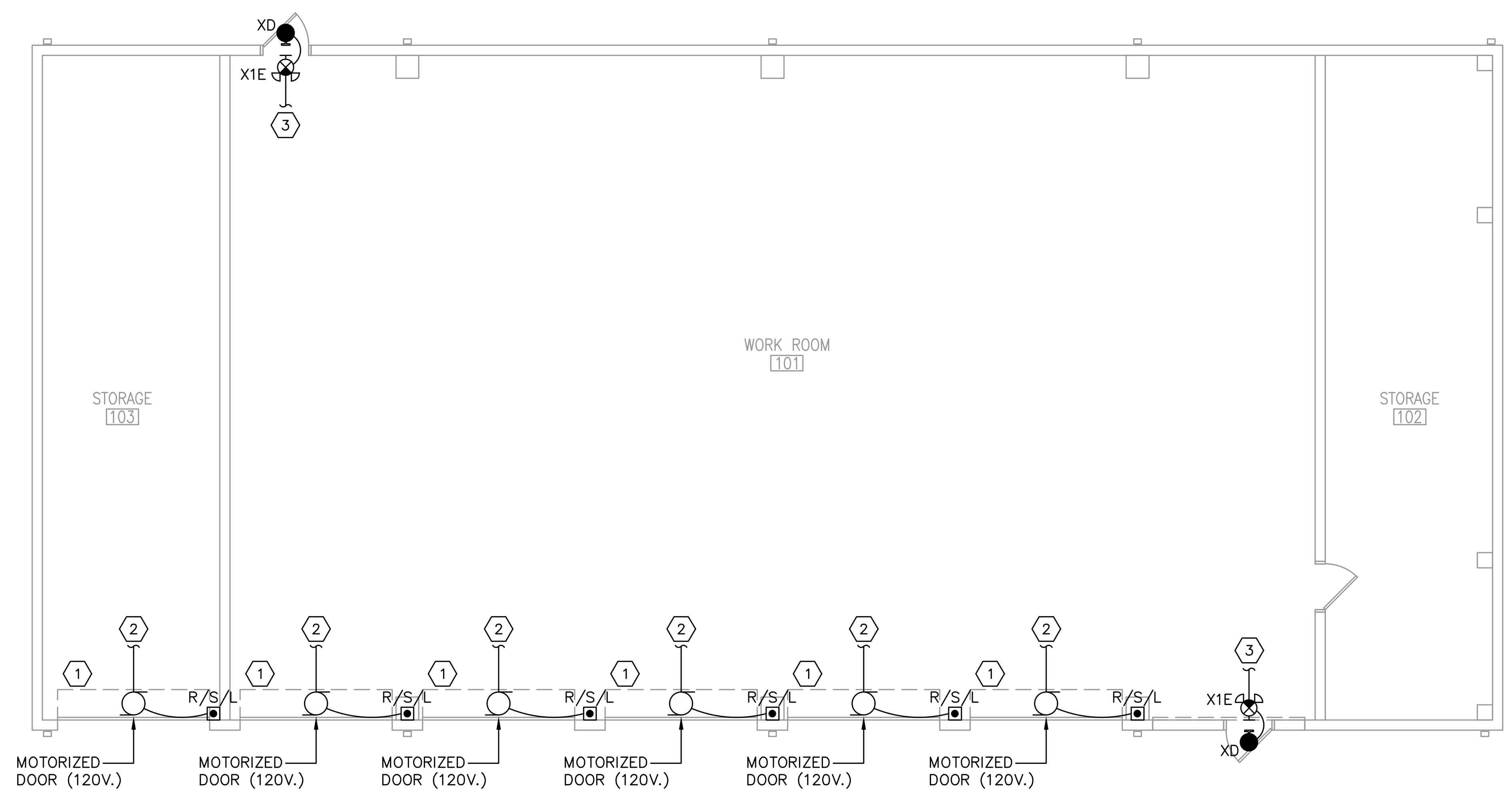
G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

PLAN NOTES THIS SHEET:

1. EXISTING MOTORIZED ROLL–UP DOOR TO BE REMOVED AND REPLACED BY OTHERS. DISCONNECT AND PREPARE EXISTING CONDUIT AND WIRING FOR CONNECTION TO NEW.

2. NEW ROLL–UP INSTALLED BY OTHERS. RECONNECT TO EXISTING 120 VOLT CIRCUIT (IN KIND) AS REQUIRED. PROVIDE CONTROL WIRING FROM RAISE–STOP–LOWER BUTTON TO MOTOR AS REQUIRED.

3. CONNECT TO EXISTING LIGHTING CIRCUIT IN AREA WITH 2#12, 1#12G–3/4"C. FIXTURE TO BE CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER.



FIRST FLOOR PLAN - ELECTRICAL

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

NORTH

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

3/28/24

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

LOCATION

VILLAGE CREEK
CONSTRUCTION SHOP BUILDING

SHEET TITLE

FLOOR PLANS - ELECTRICAL

DRAWING NUMBER

E11.0

PROJECT NUMBER

202123

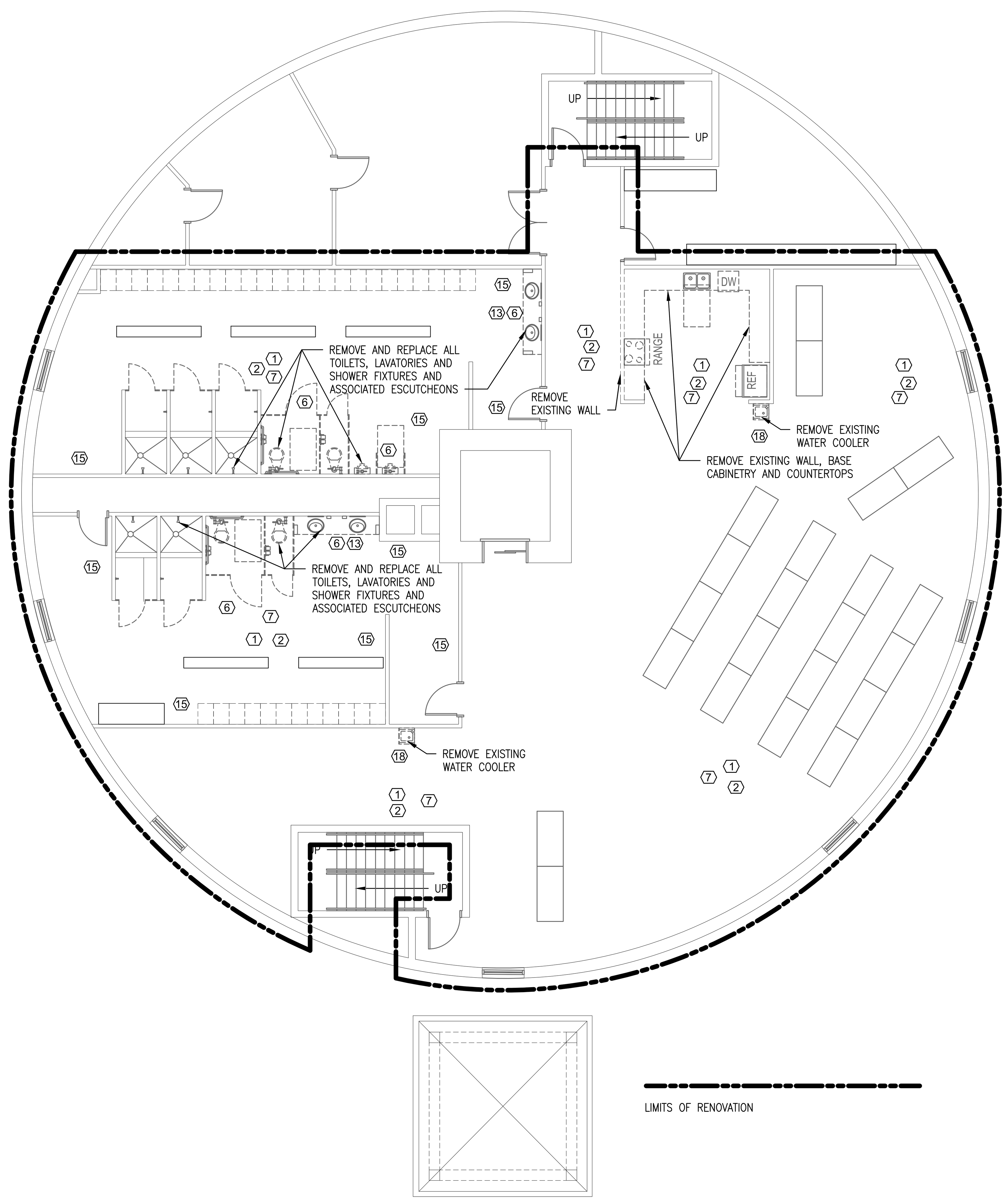
30% DESIGN REVIEW

KEYED DEMOLITION NOTES

1. EXISTING QUARRY TILE FLOORING AND TILE BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR OTHER WORK.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR STAINING CONCRETE SLAB.
8. EXISTING CMU WALL TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
17. EXISTING WINDOW TO BE REMOVED.
18. EXISTING DRINKING FOUNTAIN TO BE REMOVED.

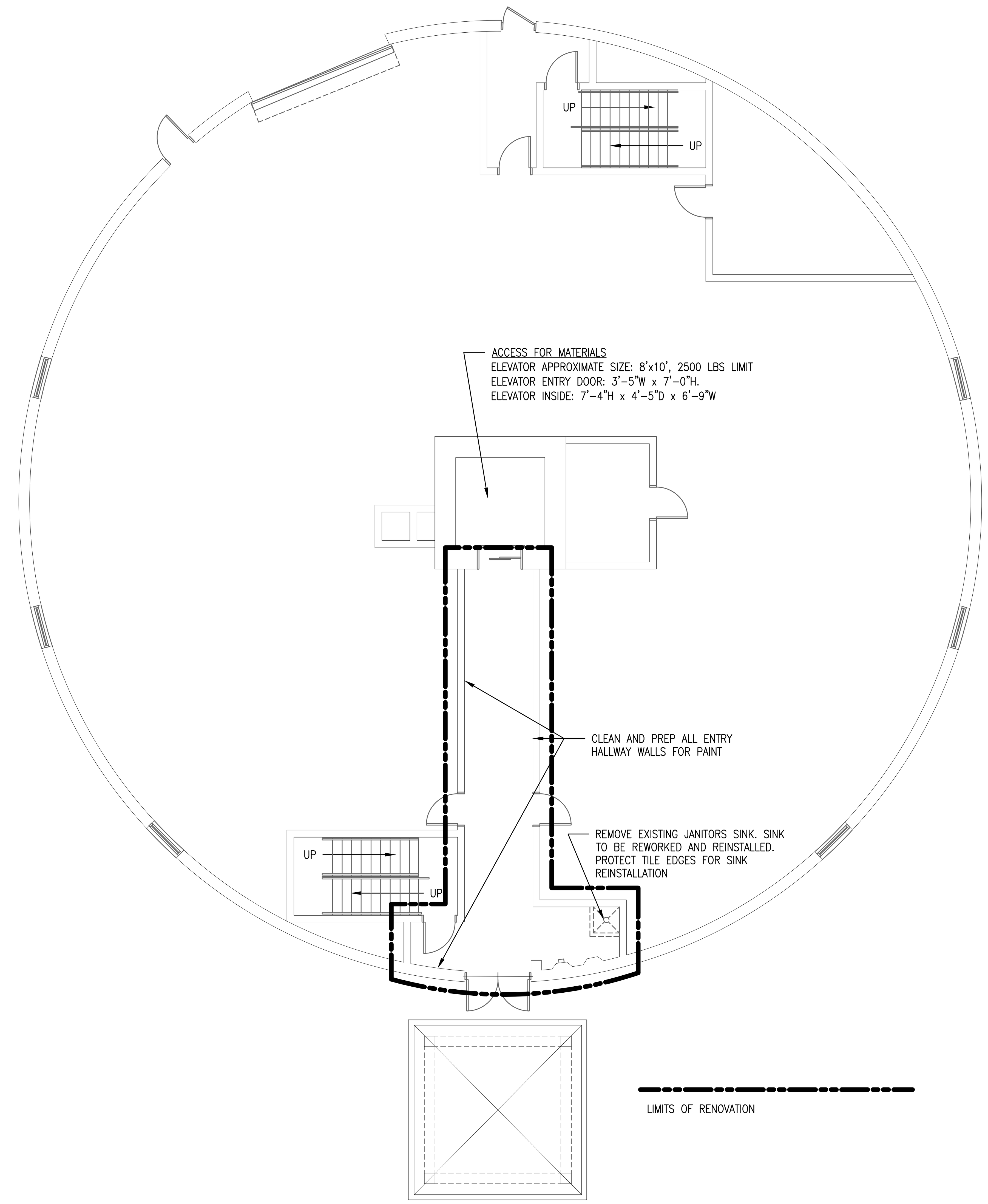
GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
4. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
5. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
6. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
7. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
8. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEMOLITION DEBRIS IN THE BUILDING, AT CONTRACTOR'S EXPENSE.
9. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
10. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
11. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
12. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



NORTH

01 2ND FLOOR DEMOLITION PLAN
Scale: 1/4" = 1'-0"



NORTH

01 1ST FLOOR DEMOLITION PLAN
Scale: 1/4" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA ★ NOLANDA HATCHER NO. 4484 BIRMINGHAM, ALABAMA ★ REGISTERED ARCHITECT

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RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK WATER TOWER

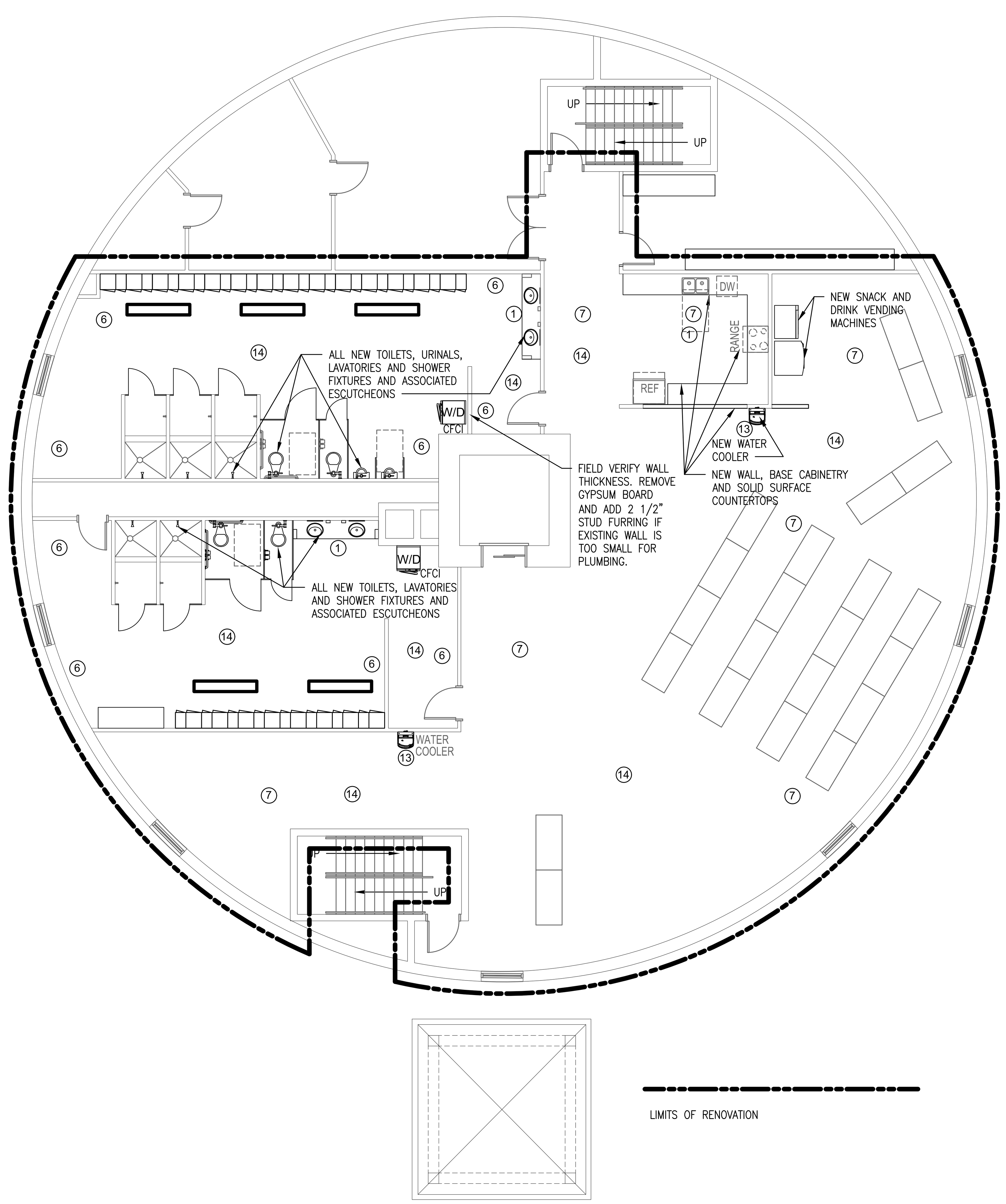
SHEET TITLE
DEMOLITION FLOOR PLANS

DRAWING NUMBER
A12.0

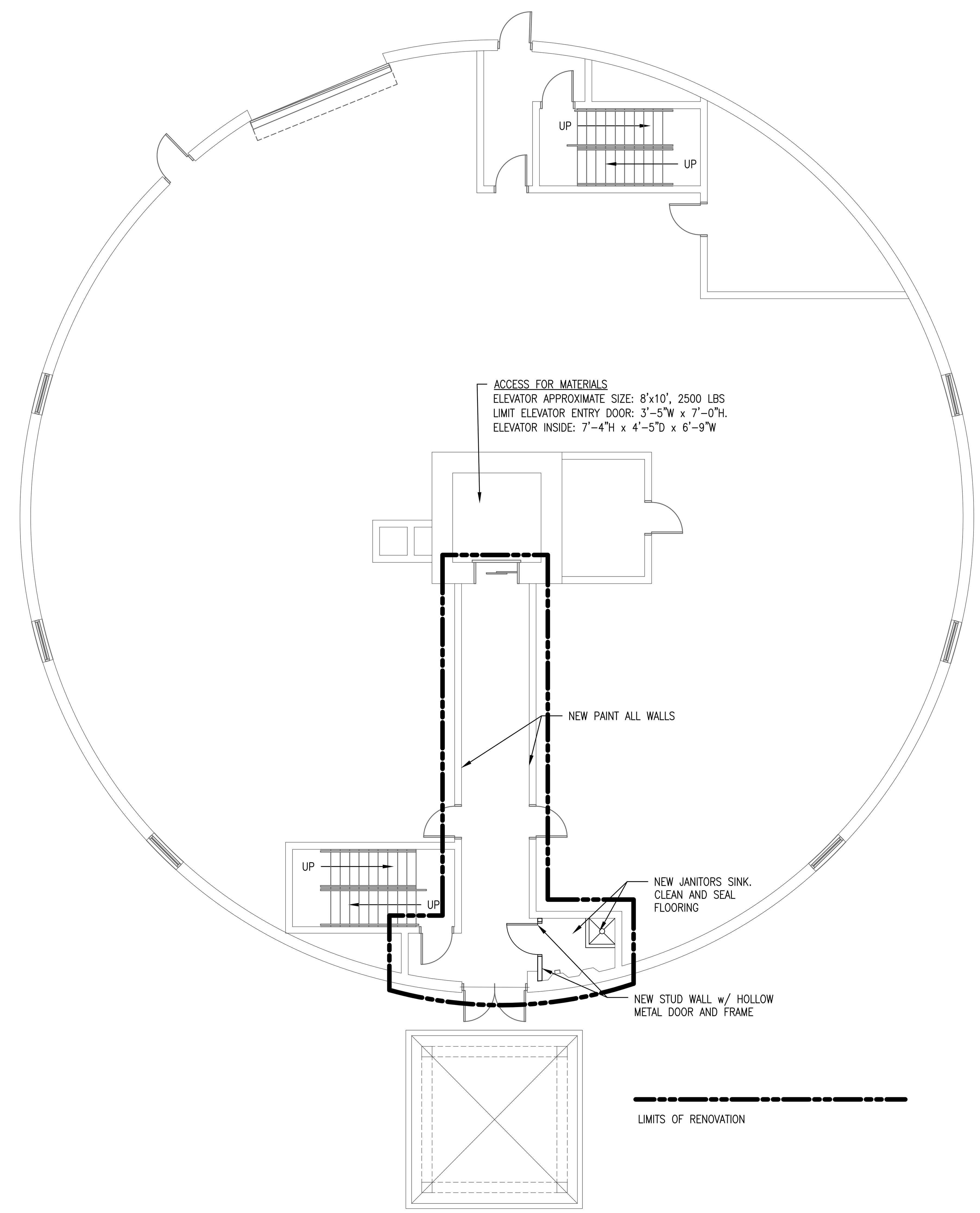
PROJECT NUMBER
202123

KEYED FLOOR PLAN NOTES

1. INSTALL BLOCKING AS REQUIRED FOR INSTALLATION OF NEW MILLWORK, EQUIPMENT, ACCESSORIES, ETC.
2. TIME CLOCK TO BE RELOCATED AS SHOWN. 48" MAX. A.F.F. TO OPERABLE PART.
3. INSTALL 1/2" SOLID SURFACE WINDOW SILL. DO NOT EXTEND BEYOND SIDE WALL OF WINDOW OPENING. EASED EDGE CORNERS.
4. EXISTING FLOOR DRAIN. REWORK FLOOR SLOPE TO THE DRAIN.
5. NEW FLOOR DRAIN.
6. INSTALL WALL TILE "WT-1" AT WINDOW HEAD, JAMB AND SILL. TILES TO BE CENTERED WITHIN THE OPENING. INSTALL METAL TRIMS AT CORNERS AS SHOWN ON ELEVATIONS.
7. NEW LIGHTING FIXTURES TO BE INSTALLED.
8. INSTALL NEW CONCRETE SLAB TO ACCOMMODATE NEW DRAIN SYSTEM AND MINIMUM 1" RECESS FOR SHOWER FLOOR.
9. NEW FLOOR DRAIN. INSTALL FLOOR AT MAX. 1/4" PER LINEAR FOOT PITCH.
10. INSTALL NEW WALL TO ALIGN FACE OF EXISTING WALL.
11. INSTALL NEW WINDOWS AND SILLS.
12. INSTALL NEW DOORS, CLOSERS AND HARDWARE IN ALL EXISTING SPACES
13. INSTALL NEW DRINKING FOUNTAIN.
14. INSTALL NEW FLOORING.



02 2ND FLOOR NEW
Scale: 1/8" = 1'-0"



01 1ST FLOOR NEW
Scale: 1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
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NO. 4484
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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

VILLAGE CREEK WATER TOWER

SHEET TITLE

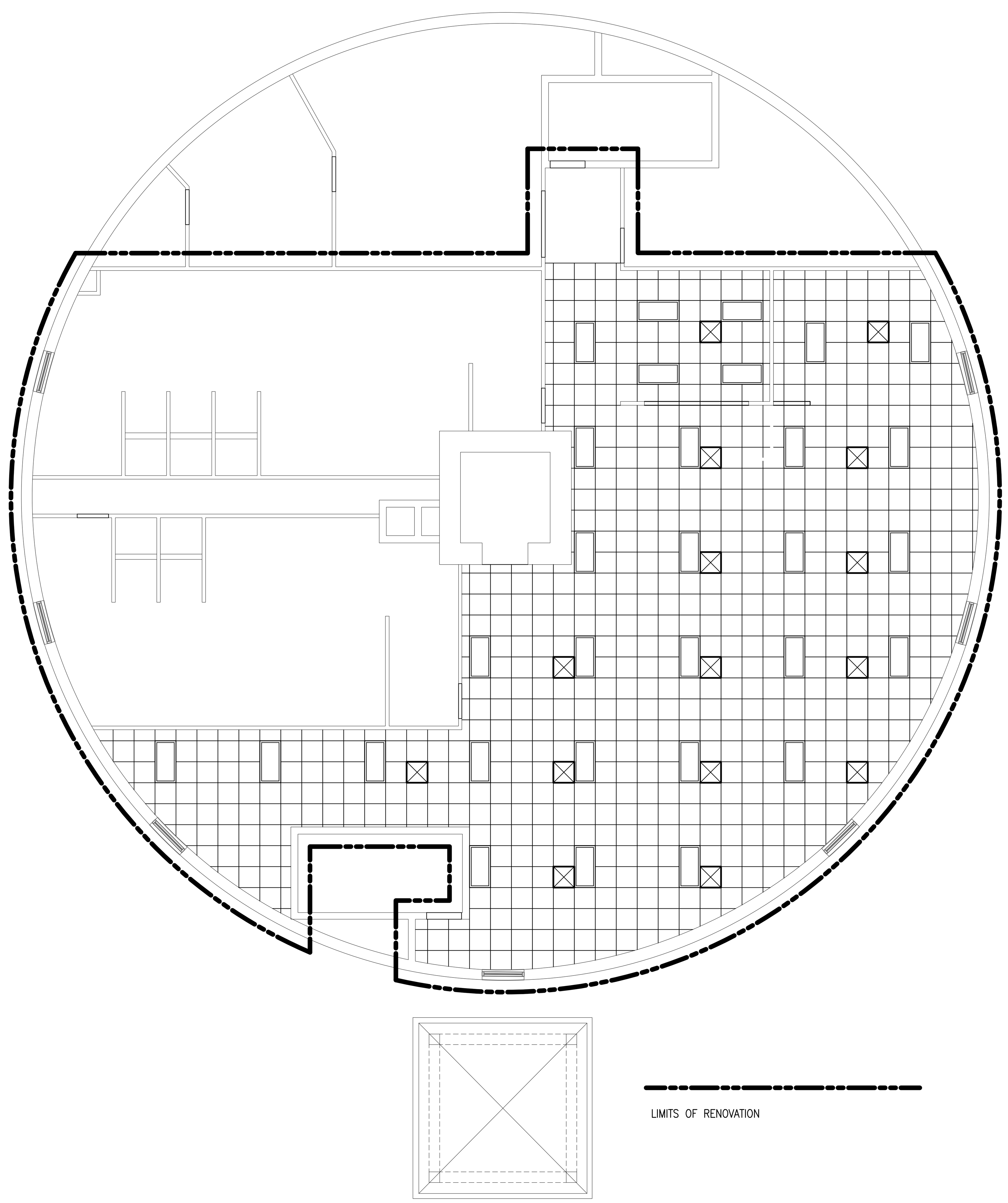
NEW FLOOR PLANS

DRAWING NUMBER

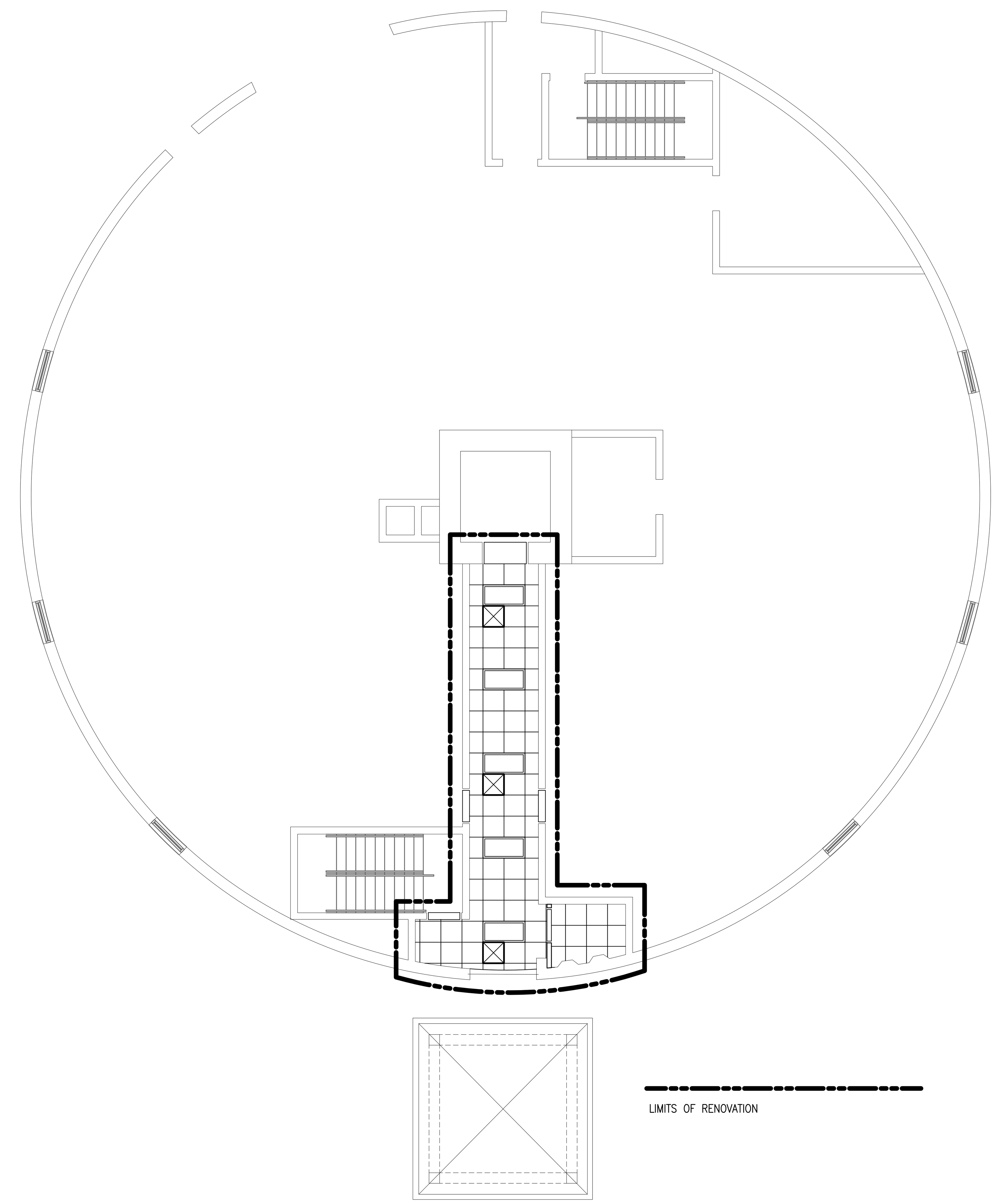
A12.1

PROJECT NUMBER

202123



02 2ND FLOOR REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"



01 1ST FLOOR REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

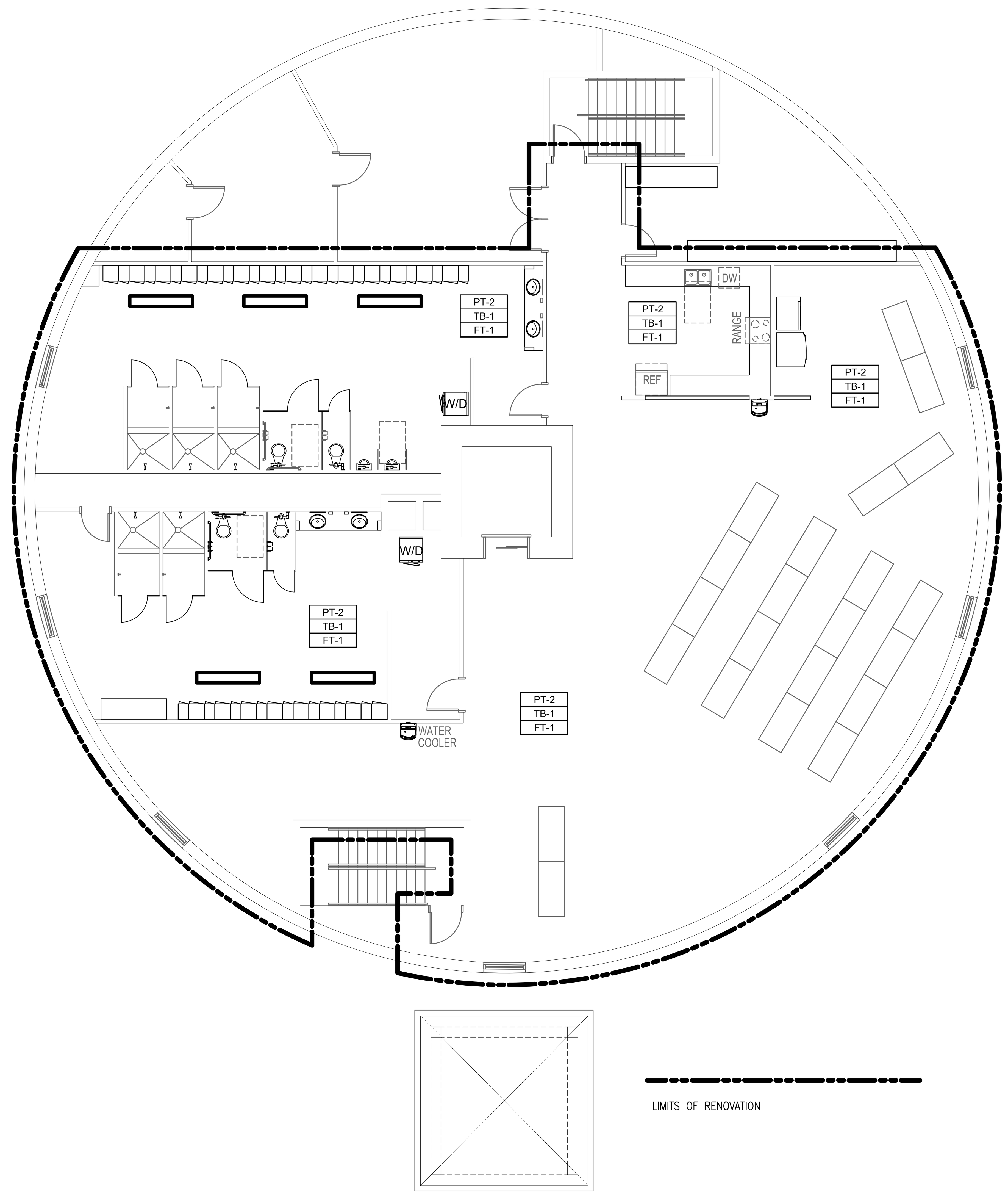
JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK
WATER TOWER

SHEET TITLE
NEW REFLECTED CEILING PLANS

DRAWING NUMBER
A12.2

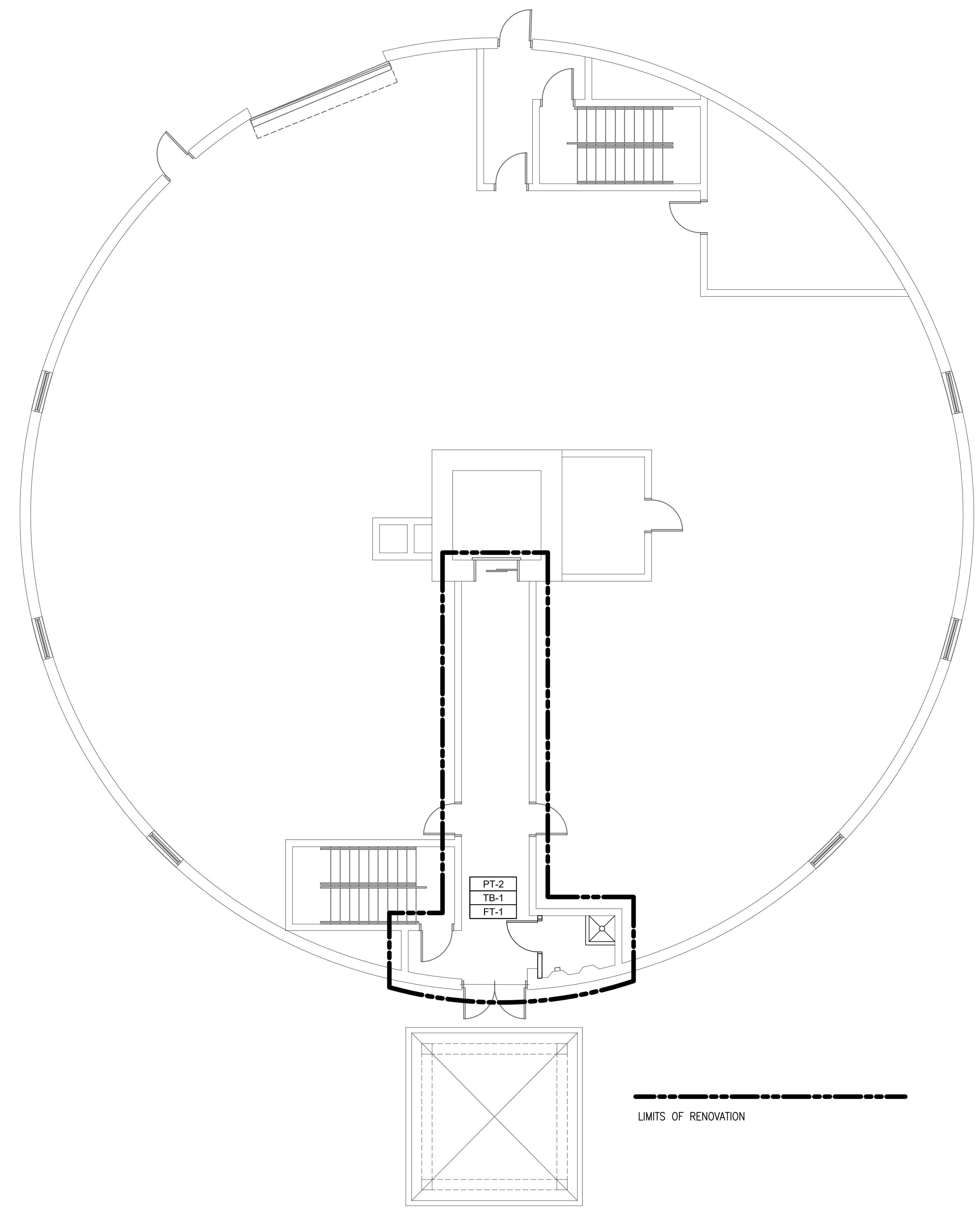
PROJECT NUMBER
202123



LIMITS OF RENOVATION

NORTH

02 2ND FLOOR FINISH PLAN
Scale: 1/8"= 1'-0"



LIMITS OF RENOVATION

NORTH

01 1ST FLOOR FINISH PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

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NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK WATER TOWER

SHEET TITLE
FINISH PLAN

DRAWING NUMBER
A12.3A

PROJECT NUMBER
202123

TOILET ACCESSORY SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

BREAK ROOM APPLIANCE SCHEDULE

ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	NOT USED
WT-1	WALL TILE (FIELD TILE)	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET
WT-3	WALL TILE	MATCH EXISTING	MATCH EXISTING SIZE, STYLE, COLOR AND TEXTURE
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
QB-1	QUARRY TILE BASE	DALTILE	MATCH EXISTING STYLE, COLOR AND TEXTURE
FLOOR			
FT-1	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 24X24, 1/8" GROUT JOINT
FT-2	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET, 1/8" GROUT JOINT
FT-3	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
SC	SEALED CONCRETE		SEALER FOR EXISTING CONCRETE FLOOR
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	BRADMAR 1" THICK SOLID PLASTIC PARTITION, COLOR TO BE SELECTED
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC12 SQ (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC58 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	QUADEC 110 EB (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM

FINISH LEGEND

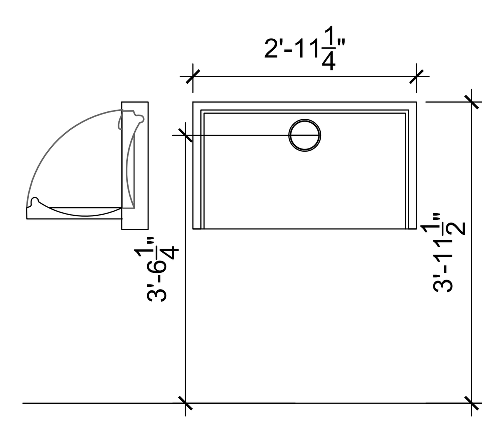
WALL
BASE FINISH SYMBOL
FLOOR
ACCENT FINISH
1 KEYED FINISH NOTES
SHEET TRANSITION OF FLOOR MATERIAL

GENERAL NOTES - FINISH PLAN:

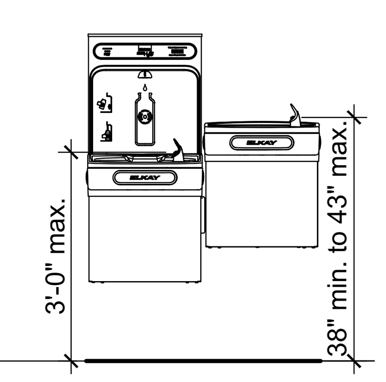
1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

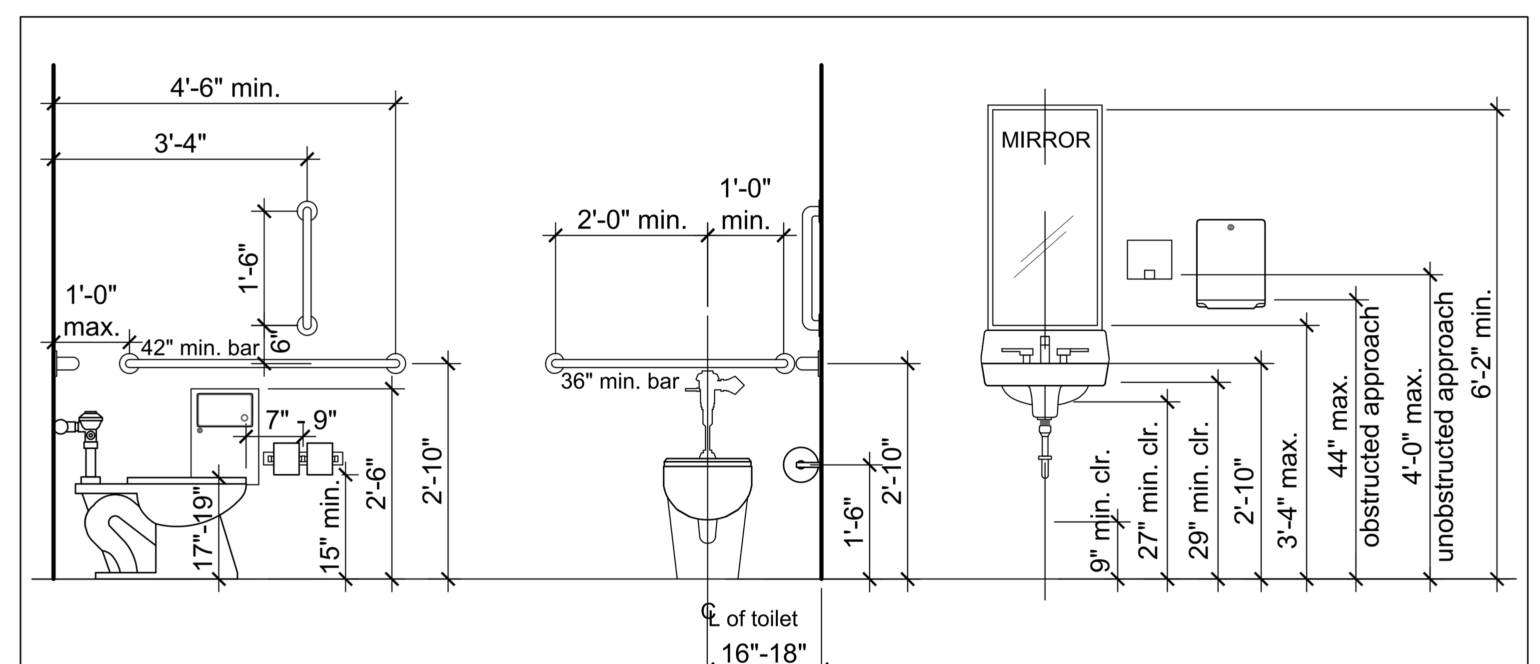
1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "UCB-1" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.
3. INSTALL URETHANE FLOORING WITH #90 GRIT SILICA (STONHARD'S TEXTURE #2) IN SHOWER FLOOR ONLY, SEE SPEC.
4. INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY MANUFACTURER'S FULL RANGE.
5. REPLACE DAMAGED FLOOR TILES WITH NEW AS REQUIRED.



BABY CHANGING STATION



WATER FOUNTAIN w/ BOTTLE FILLER



PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE
1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL
STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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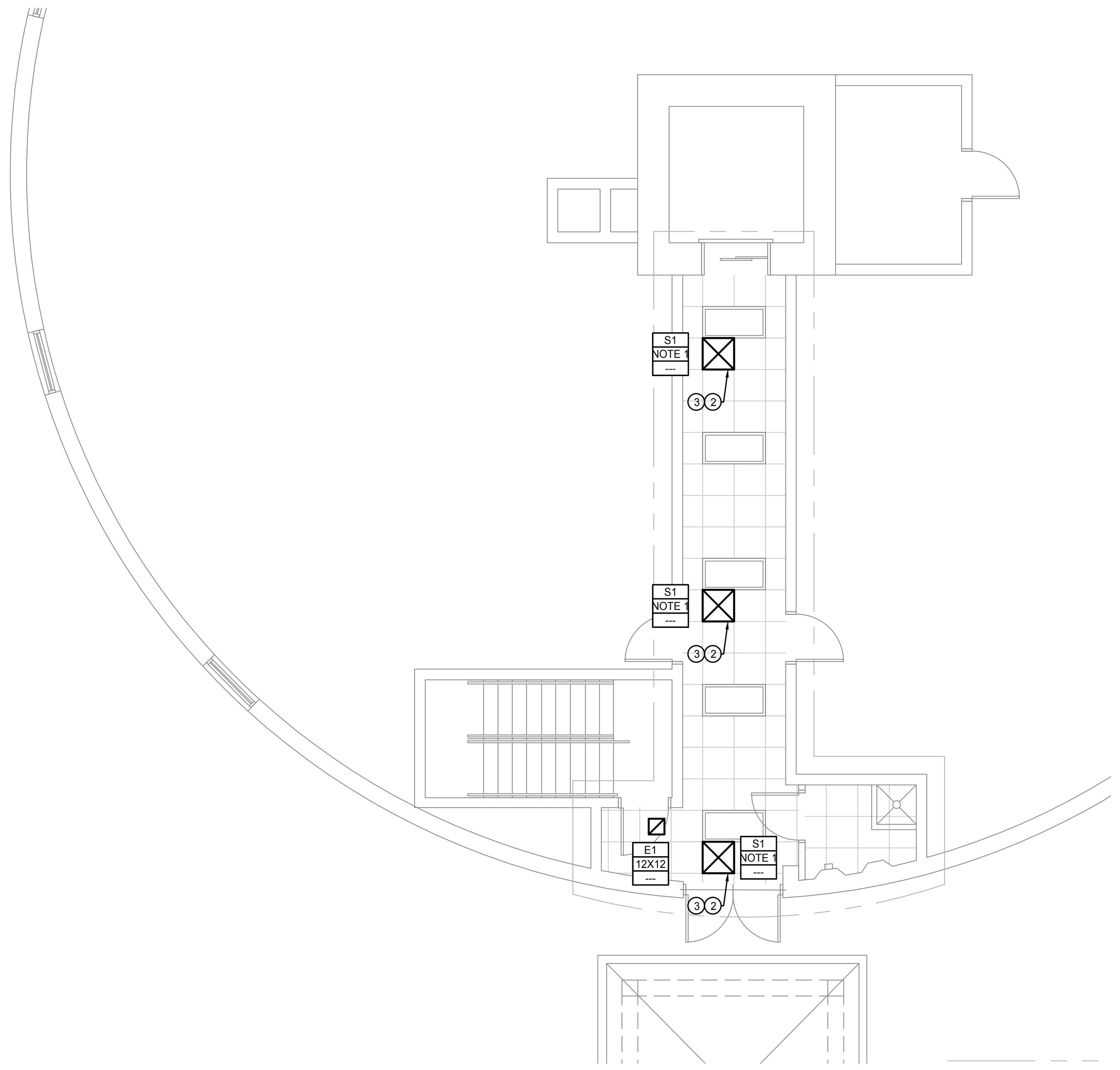
DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

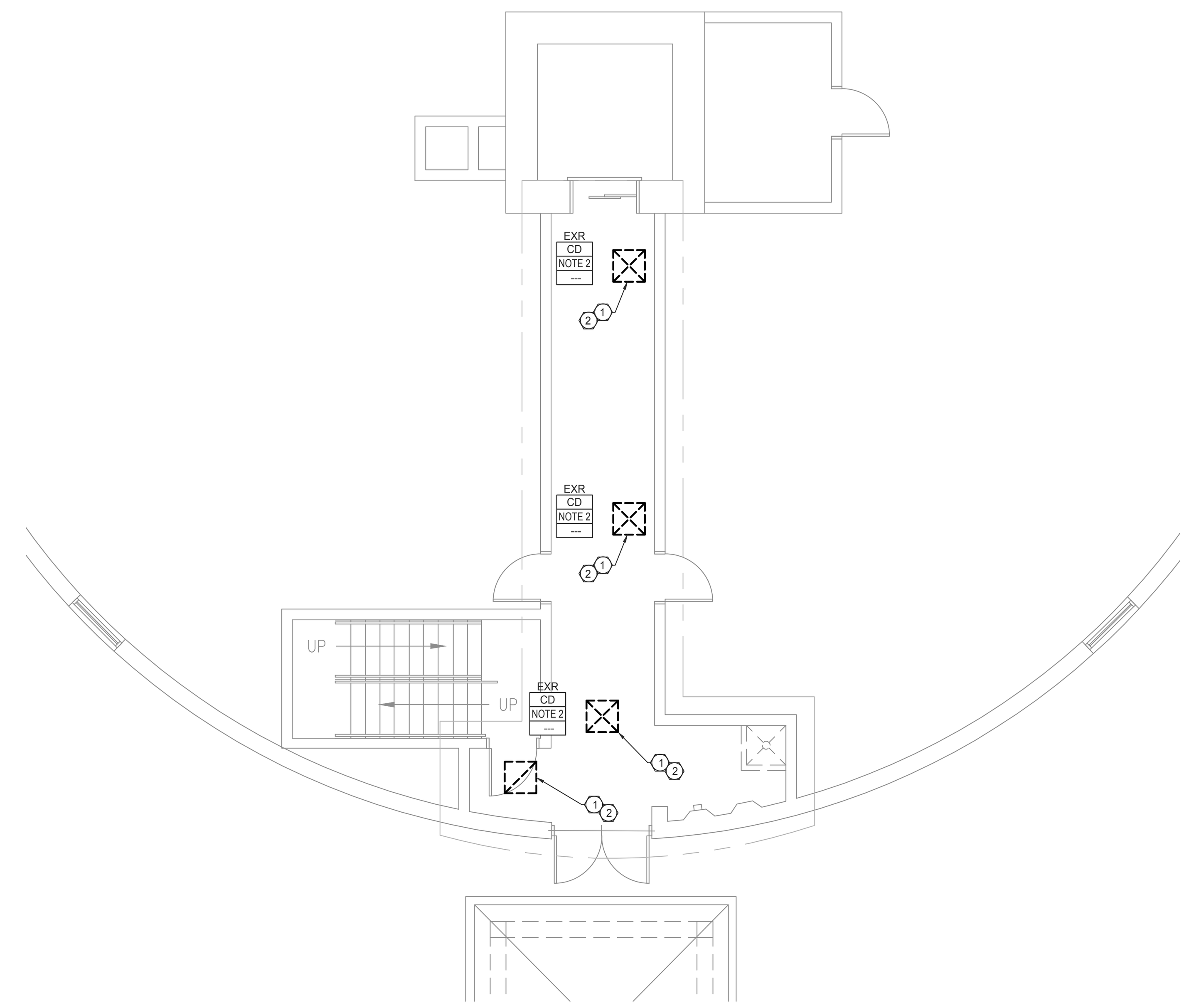
LOCATION
VILLAGE CREEK WATER TOWER
SHEET TITLE
FINISH SCHEDULE & NOTES
DRAWING NUMBER
A12.3B
PROJECT NUMBER
202123



HVAC DUCTWORK PLAN - WATER TOWER FIRST LEVEL
1/8" = 1'-0"

KEYED NOTES:

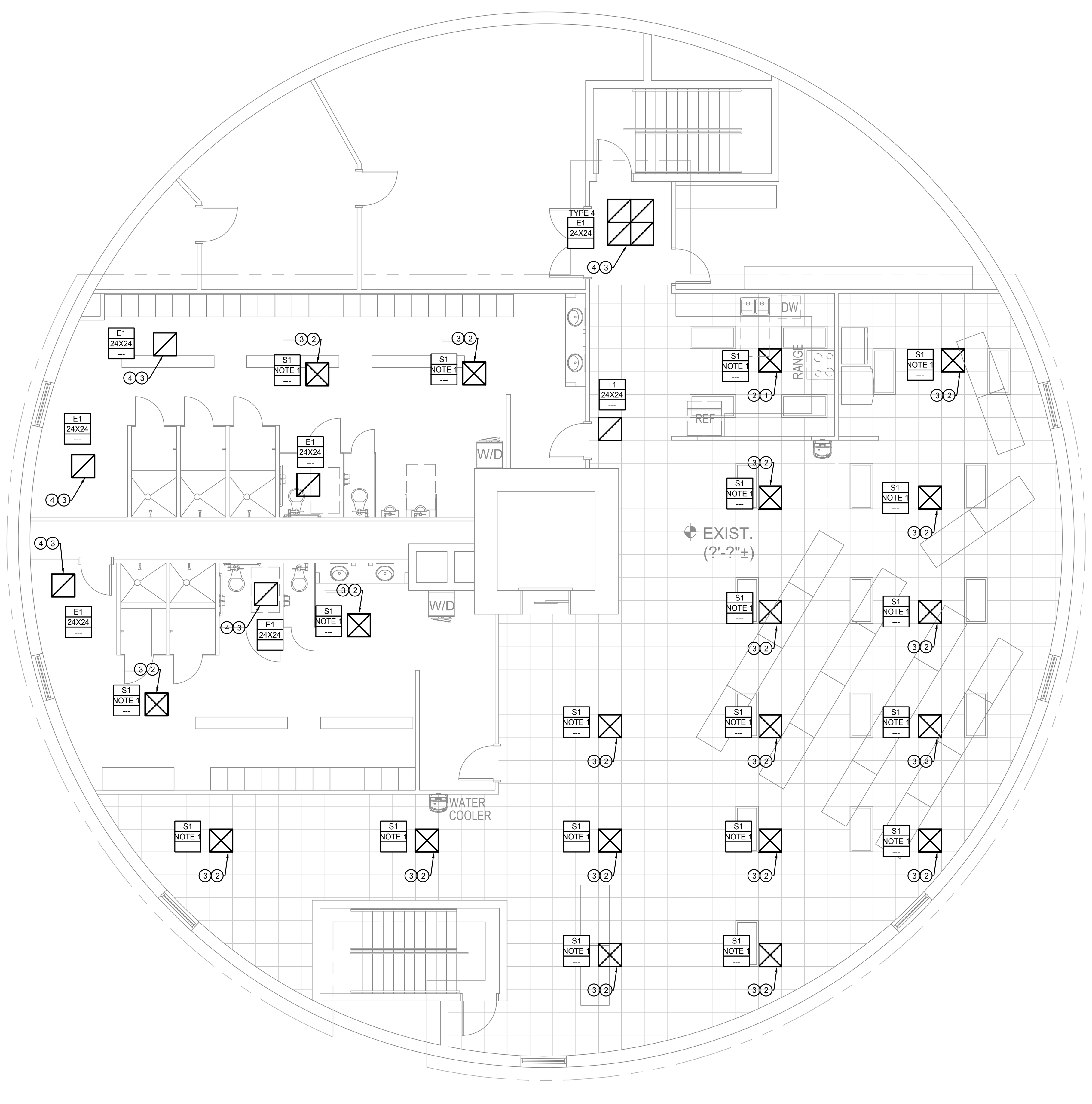
1. THE CONTRACTOR SHALL SELECT SUPPLY AIR DIFFUSER SIZES BASED ON THE PRE TAB REPORT AND THE SIZING CHART PROVIDED.
2. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
3. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.
4. PROVIDE NEW 24X24 EXHAUST GRILLES, CONNECT TO EXISTING EXHAUST AIR DUCTWORK.



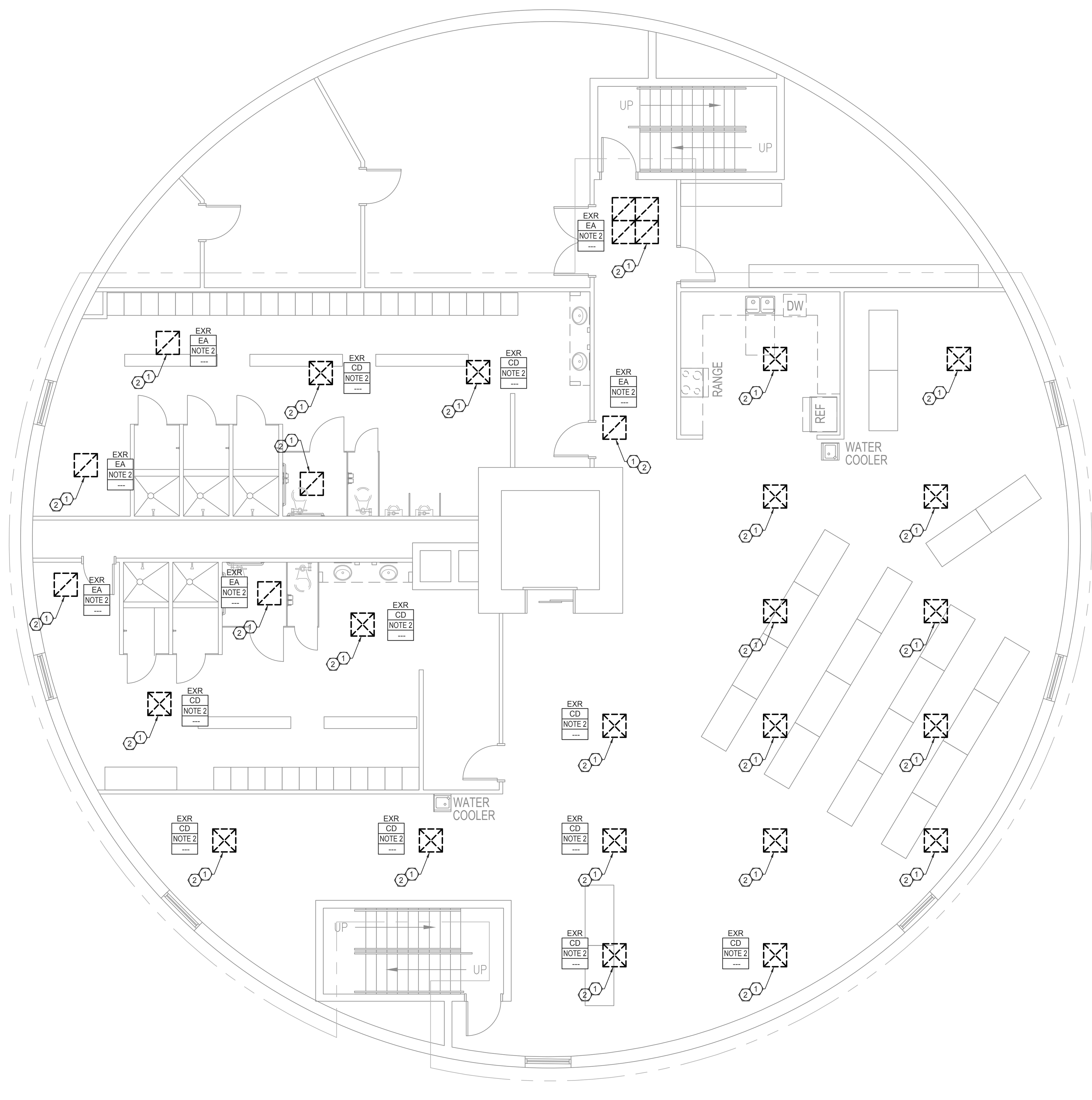
DEMOLITION HVAC DUCTWORK PLAN - WATER TOWER FIRST LEVEL
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE.
2. THE CONTRACTOR SHALL ENGAGE A NEBB CERTIFIED TEST ADJUST AND BALANCE CONTRACTOR TO TEST ALL SUPPLY, RETURN AND EXHAUST AIR DEVICES PRIOR TO STARTING DEMOLITION. TAB REPORT SHALL BE SUBMITTED TO THE ENGINEER WITH THE SUPPLY AIR DIFFUSER SUBMITTAL.



HVAC DUCTWORK PLAN - WATER TOWER SECOND FLOOR
1/8" = 1'-0"



DEMOLITION HVAC DUCTWORK PLAN - WATER TOWER SECOND LEVEL
1/8" = 1'-0"

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web: bbgs.pro
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 12612 LAWRENCE J. BOWNESS
21.09.192
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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK WATER TOWER

SHEET TITLE
FLOOR PLAN HVAC DEMOLITION AND NEW WORK - FIRST AND SECOND FLOORS

DRAWING NUMBER
M12.0

PROJECT NUMBER
202123

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

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DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
2. DISCONNECT AND REMOVE EXISTING URINAL COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EXISTING CW, HW , WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
4. DISCONNECT AND REMOVE EXISTING 2 COMPARTMENT SINK COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
5. DISCONNECT AND REMOVE EXISTING WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
6. DISCONNECT EXISTING SHOWER DRAIN, HEAD, AND VALVE COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
7. DISCONNECT AND REMOVE EXISTING MOP BASIN COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
8. DISCONNECT AND REMOVE EXISTING DISHWASHER COMPLETE. REMOVE WASTE, AND HW BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE PROTECTION.
9. DISCONNECT AND REMOVE EXISTING WALL SUPPLY BOX COMPLETE. REMOVE EXISTING CW BACK TO EXTENT REQUIRED FOR FIT-UP.

GENERAL DEMOLITION NOTES

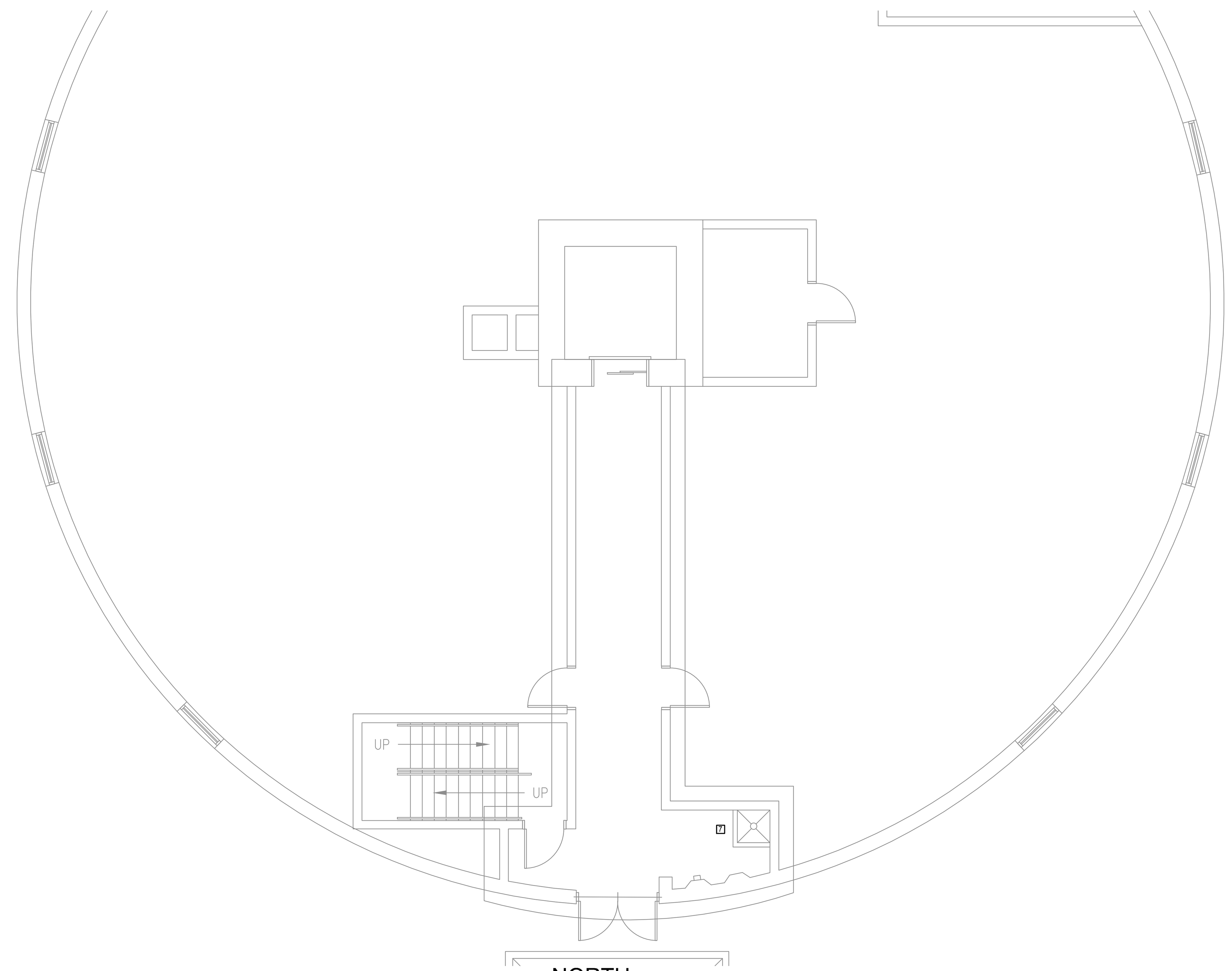
A. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

B. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

C. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

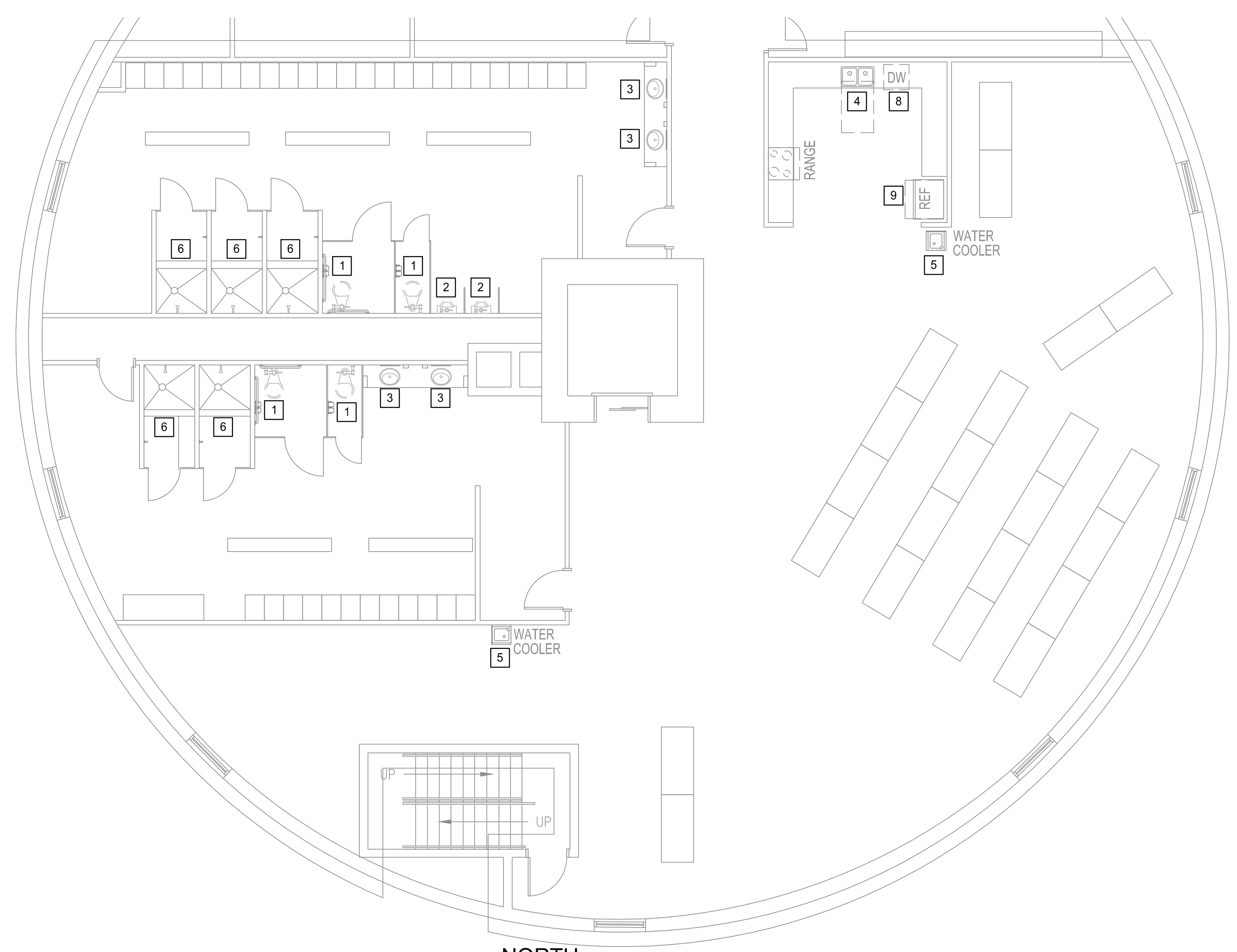
E. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

F. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



NORTH

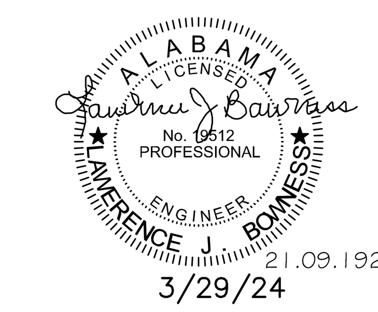
01 P12.0 PLUMBING DEMOLITION PLAN LEVEL 1
Scale: 1/8"= 1'-0"



NORTH

02 P12.0 PLUMBING DEMOLITION PLAN LEVEL 2
Scale: 1/8"= 1'-0"

SEAL



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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK WATER TOWER

SHEET TITLE
PLUMBING DEMOLITION PLANS

DRAWING NUMBER
P12.0

PROJECT NUMBER
202123

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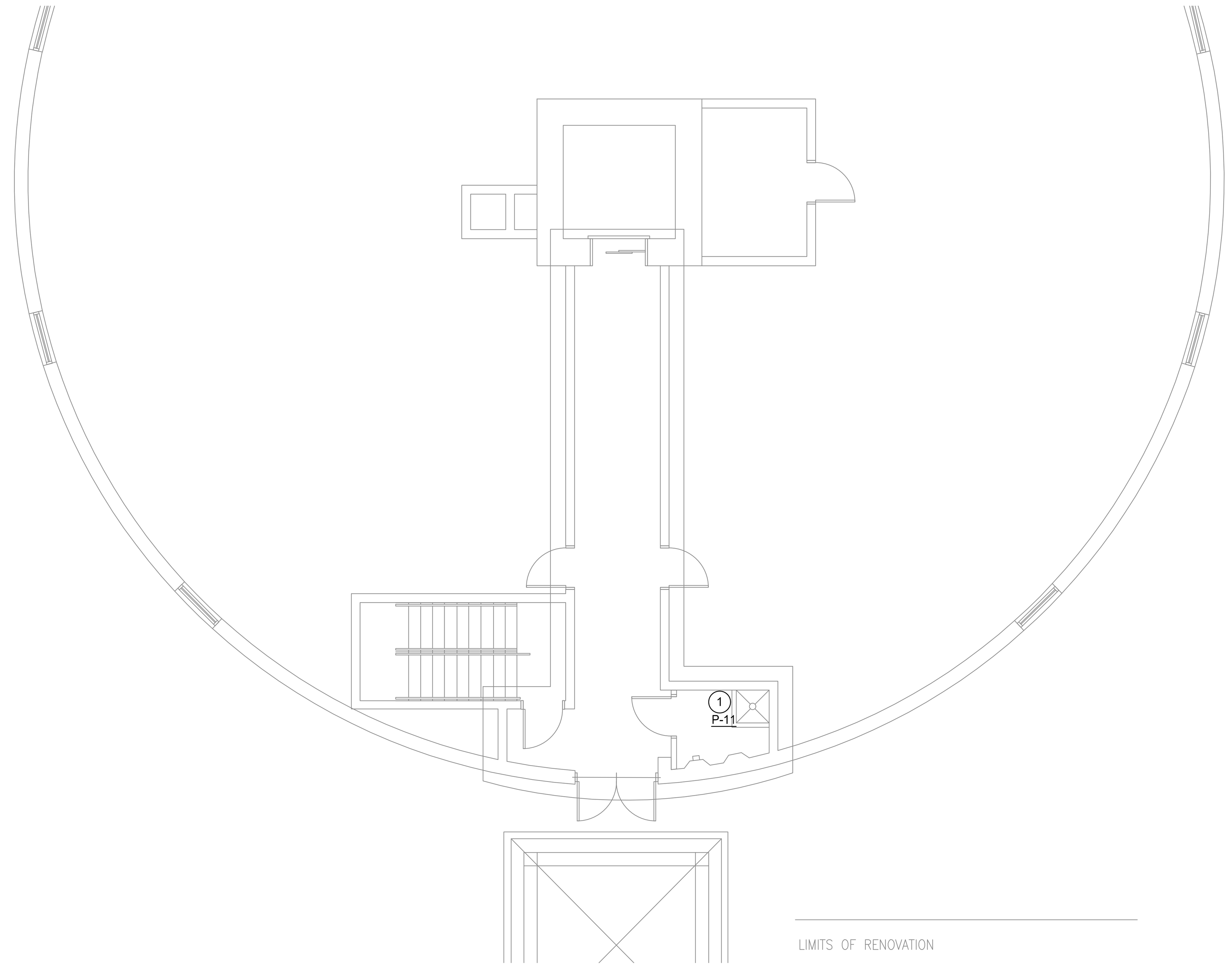
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192



LIMITS OF RENOVATION

NORTH

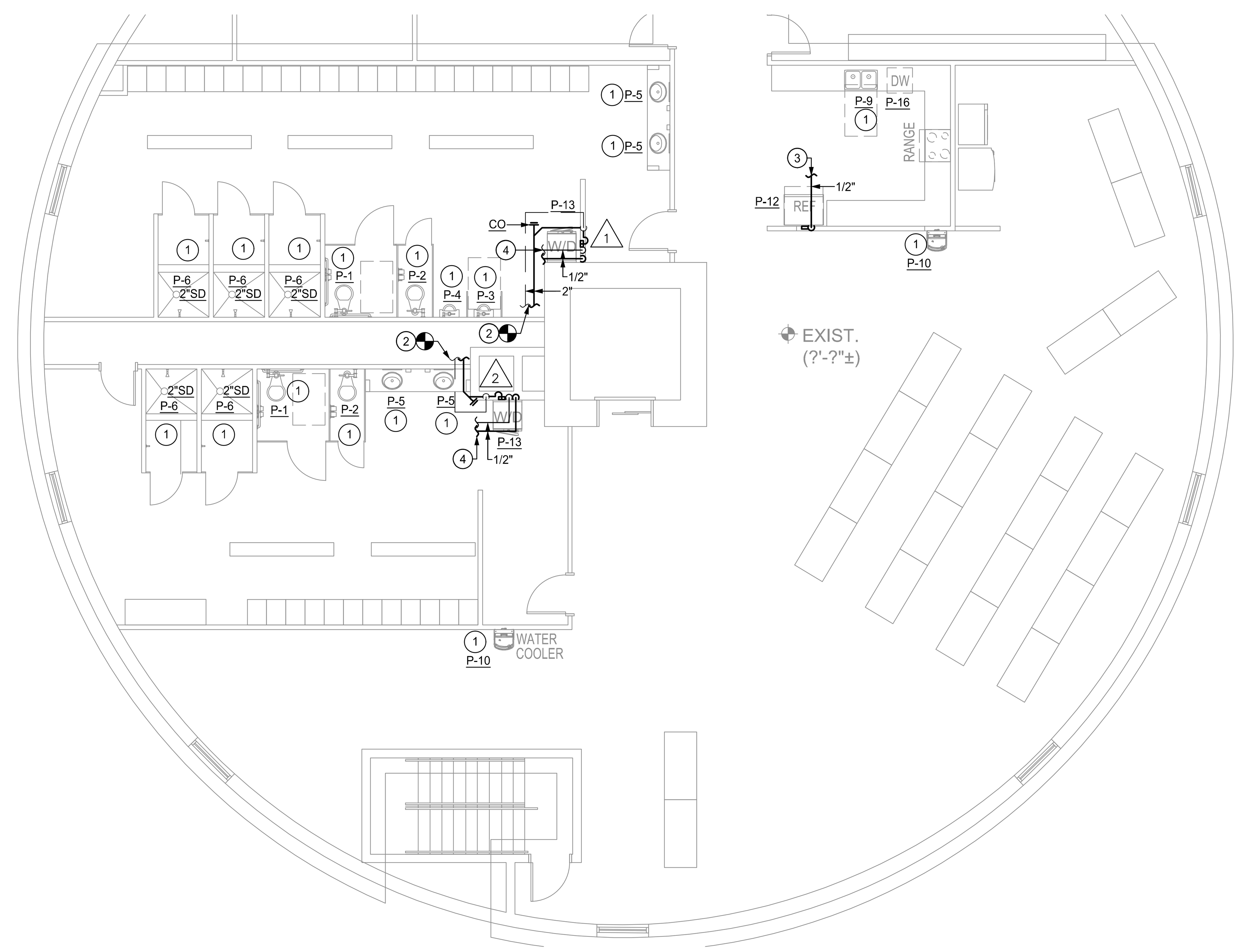
02 P12.1 PLUMBING NEW WORK LEVEL 1
Scale: 1/8"= 1'-0"

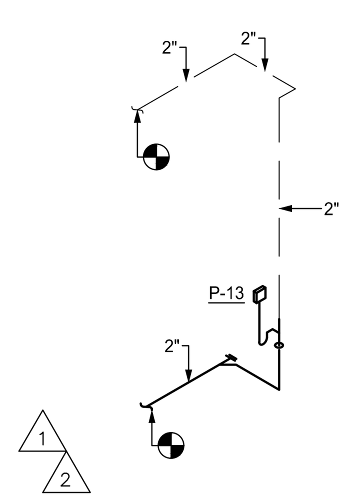
DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.
2. EXTEND 2" WASTE AND 2" VENT PIPING TO EXISTING SAN. AND VENT PIPNG IN RESTROOM AND CONNECT.
3. EXTEND 1/2" CW TO EXISTING CW PIPING AND CONNECT.
4. EXTEND 1/2" CW, 1/2" HW TO EXISTING CW, HW PIPING IN RESTROOM AND CONNECT.

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS





03 P12.1 PLUMBING RISER DIAGRAMS
Scale:NTS

NORTH

02 P12.1 PLUMBING NEW WORK LEVEL 2
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 19512 LAWRENCE J. BONNESS
21.09.192
3/29/24

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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK
WATER TOWER

SHEET TITLE
PLUMBING NEW WORK PLANS

DRAWING NUMBER
P12.1

PROJECT NUMBER
202123

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS AREA TO REMAIN. PROTECT EXISTING LIGHTS, SWITCHING, AND WIRING AS REQUIRED.
2. EXISTING LIGHTS IN THIS AREA TO BE REMOVED. PREPARE EXISTING LIGHTING CIRCUIT FOR CONNECTION TO NEW LIGHTS SHOWN IN NEW WORK PLANS.
3. EXISTING RECEPTACLES LOCATED AT KITCHEN AREA TO BE REMOVED. PREPARE EXISTING CIRCUIT(S) FOR CONNECTION TO NEW DEVICES SHOWN IN NEW WORK PLANS.
4. EXISTING RANGE TO BE REMOVED AND RELOCATED. REMOVE EXISTING WIRING COMPLETE BACK TO SOURCE AND PROVIDE NEW AS CALLED FOR IN NEW WORK PLANS.

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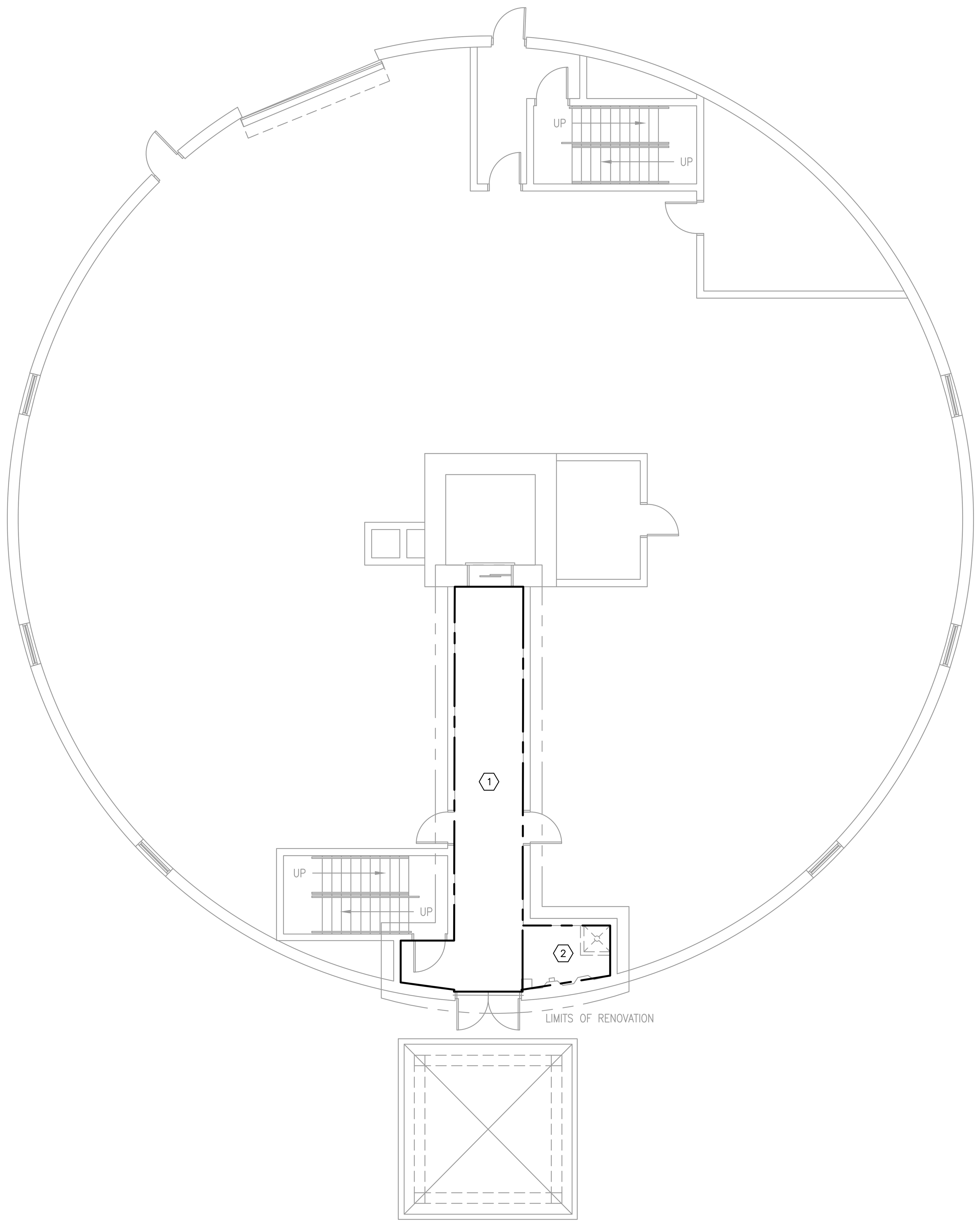
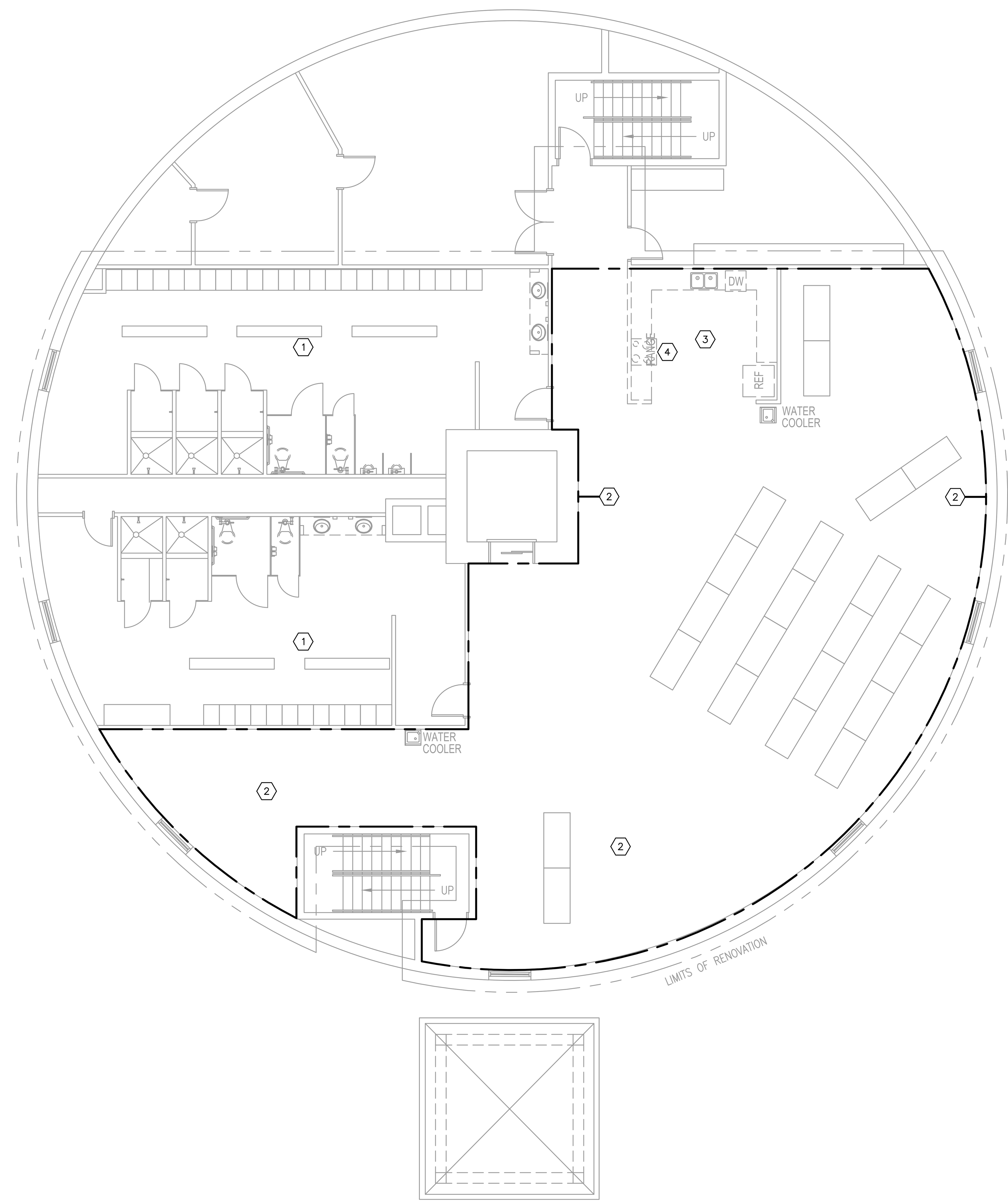
CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-12.dwg Time: 4:06:54 pm



FIRST FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH

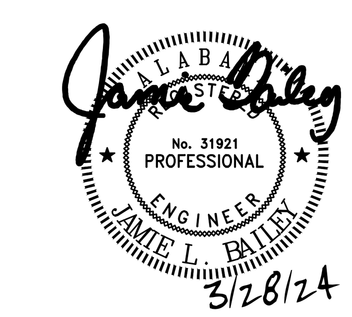


SECOND FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL



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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK
WATER TOWER

SHEET TITLE
FLOOR PLANS - DEMOLITION

DRAWING NUMBER
E12.0

PROJECT NUMBER
202123

30% DESIGN REVIEW

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

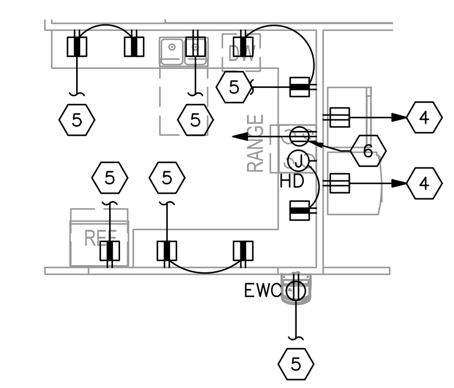
E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

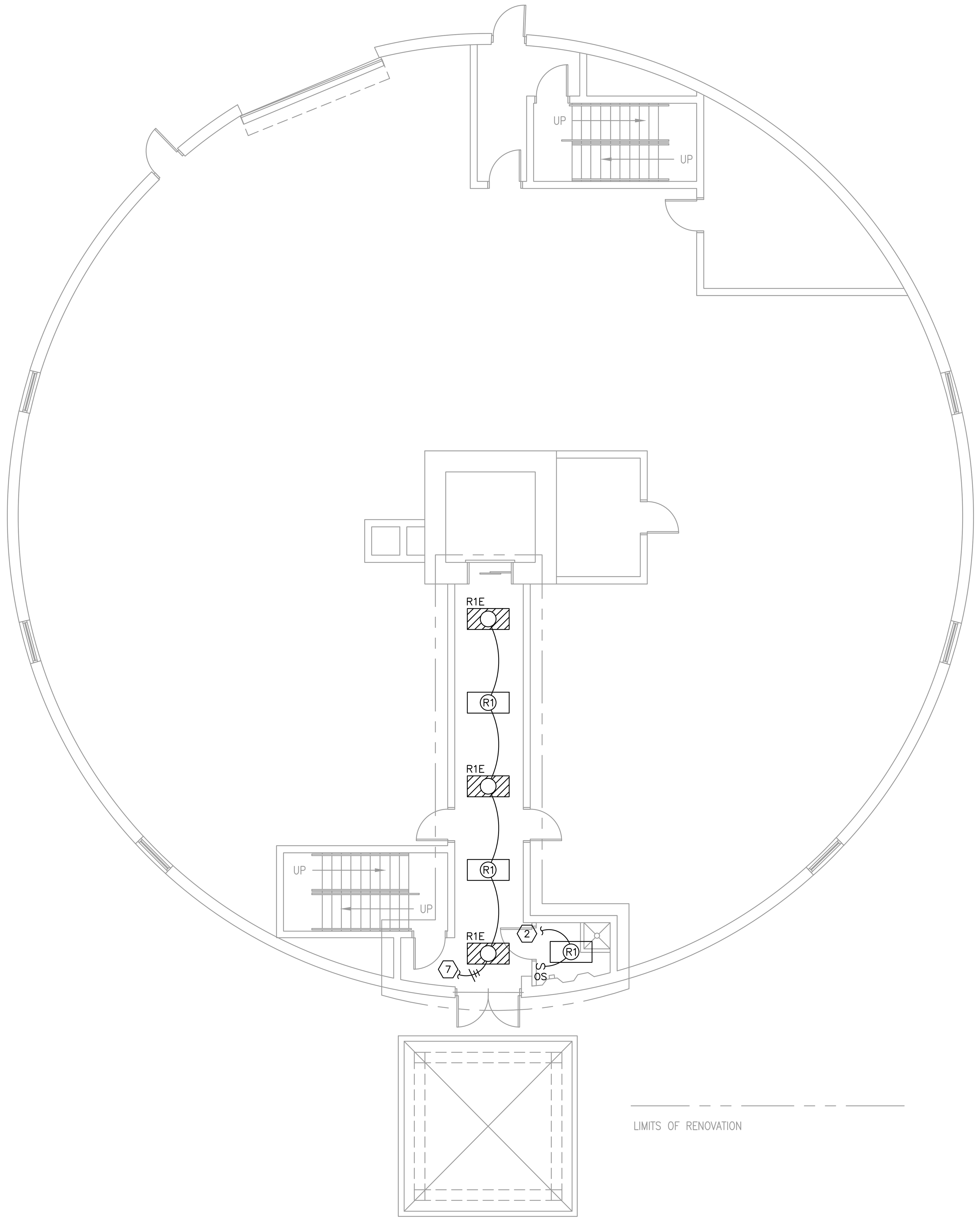
G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

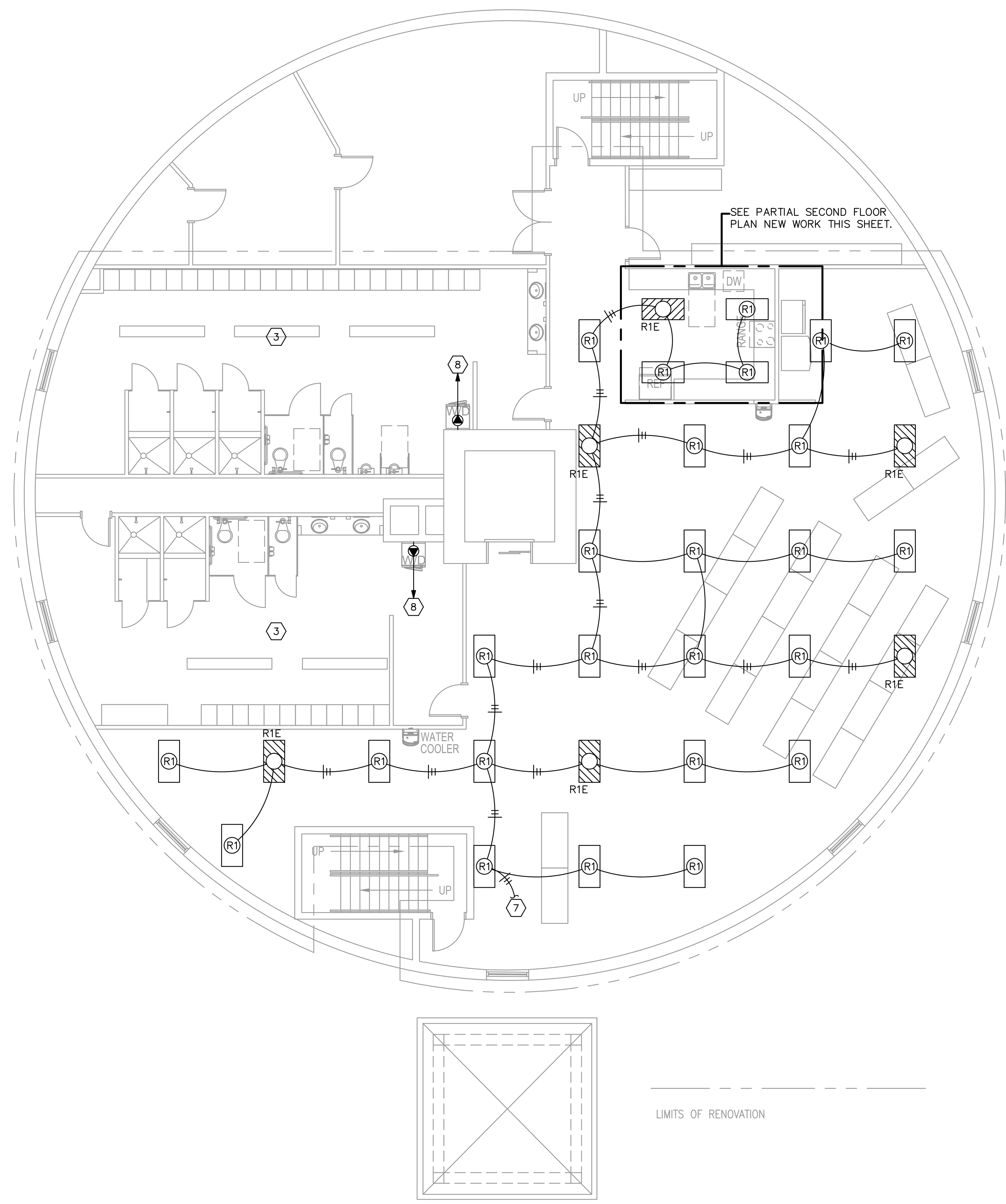
1. EXISTING LIGHTING IN THIS AREA TO REMAIN. PROTECT EXISTING LIGHTS, SWITCHING, AND WIRING AS REQUIRED.
2. CONNECT TO EXISTING LIGHTING CIRCUIT MADE AVAILABLE BY DEMOLITION WITH 2#12, 1#12G–3/4'C. REWORK SWITCHING AS SHOWN.
3. EXISTING LIGHTING IN THIS AREA TO REMAIN. MAINTAIN EXISTING SWITCHING.
4. NEW GFCI RECEPTACLE FOR VENDING. CONNECT TO NEW 20/1 BREAKER AT NEAREST 120/208 VOLT PANEL WITH 2#12, 1#12G–3/4"C. BREAKER TO BE MOUNTED IN AVAILABLE SPACE. MATCH MANUFACTURER AND AIC RATING OF PANEL.
5. CONNECT TO EXISTING 120 VOLT APPLIANCE CIRCUIT MADE AVAILABLE BY DEMOLITION WITH 2#12, 1#12G–3/4"C.
6. EXISTING RANGE RELOCATED. PROVIDE 3#6, 1#10G–1"C. BACK TO EXISTING 50/2 SPARE BREAKER MADE AVAILABLE BY DEMOLITION. VERIFY NEMA CONFIGURATION OF DEVICE PRIOR TO PURCHASE.
7. EXISTING LIGHTING IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW LIGHTS SHOWN. DISCONNECT EACH AND RECONNECT TO THE EXISTING LIGHTING CIRCUIT IN ROOM WITH 2#12, 1#12G–3/4"C. MAINTAIN EXISTING SWITCHING.
8. NEW 208 VOLT, 30 AMP, RECEPTACLE FOR STACK WASHER DRYER. CONNECT TO NEW 30/2 BREAKER AT NEAREST 120/208 VOLT PANEL WITH 3#12, 1#12G–1"C. BREAKER TO BE MOUNTED IN AVAILABLE SPACE. MATCH MANUFACTURER AND AIC RATING OF PANEL.



PARTIAL SECOND FLOOR PLAN NEW WORK - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH



FIRST FLOOR PLAN - ELECTRICAL NEW WORK
SCALE: 1/8" = 1'-0"
NORTH



SECOND FLOOR PLAN - ELECTRICAL NEW WORK
SCALE: 1/8" = 1'-0"
NORTH

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1028 23rd Street South
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CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-12.dwg Time: 4:06:17 pm

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024
DRAWN BY: JLB
REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK WATER TOWER

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E12.1

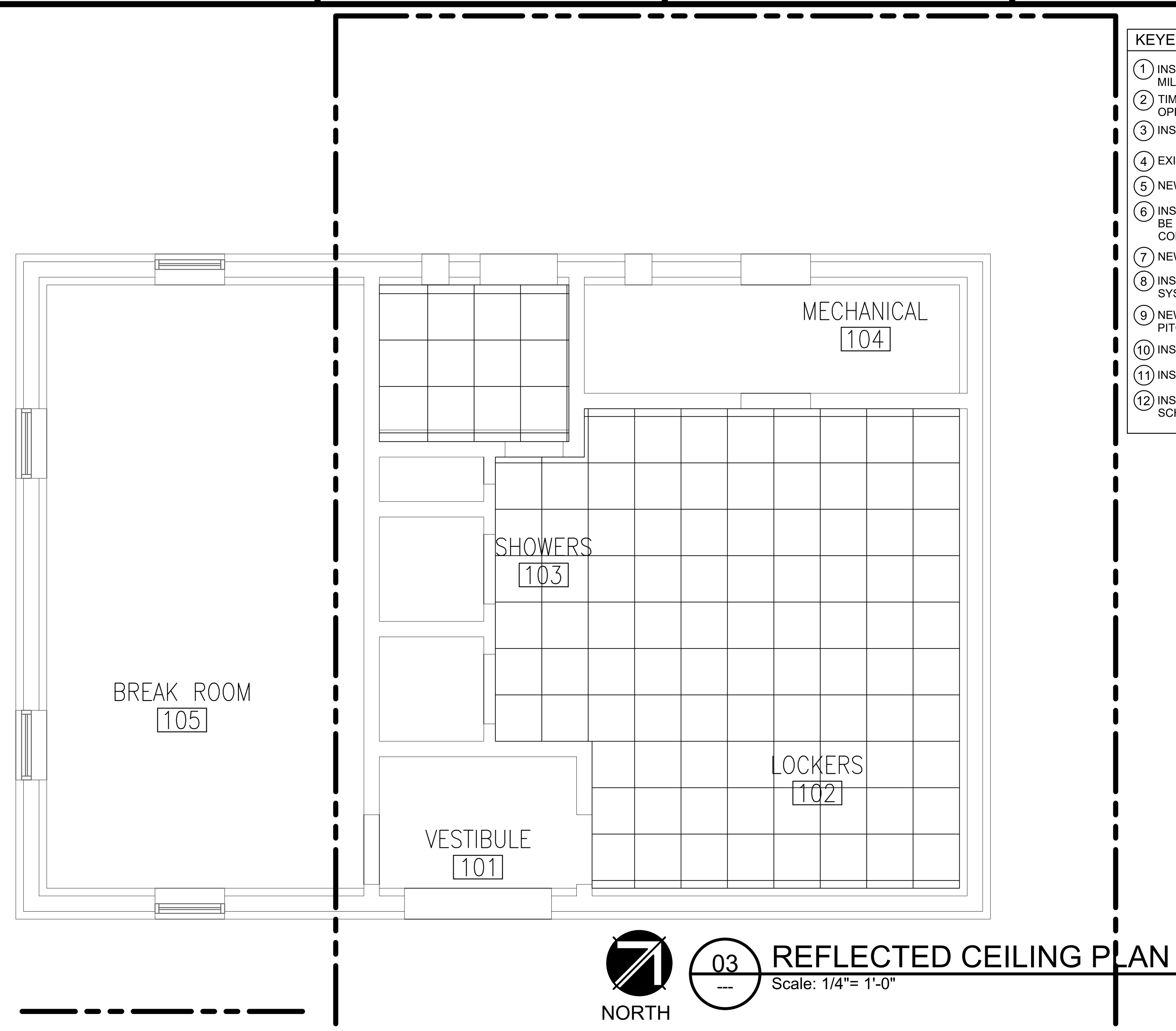
PROJECT NUMBER
202123

30% DESIGN REVIEW

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214



03 REFLECTED CEILING PLAN
Scale: 1/4"= 1'-0"

KEYED FLOOR PLAN NOTES

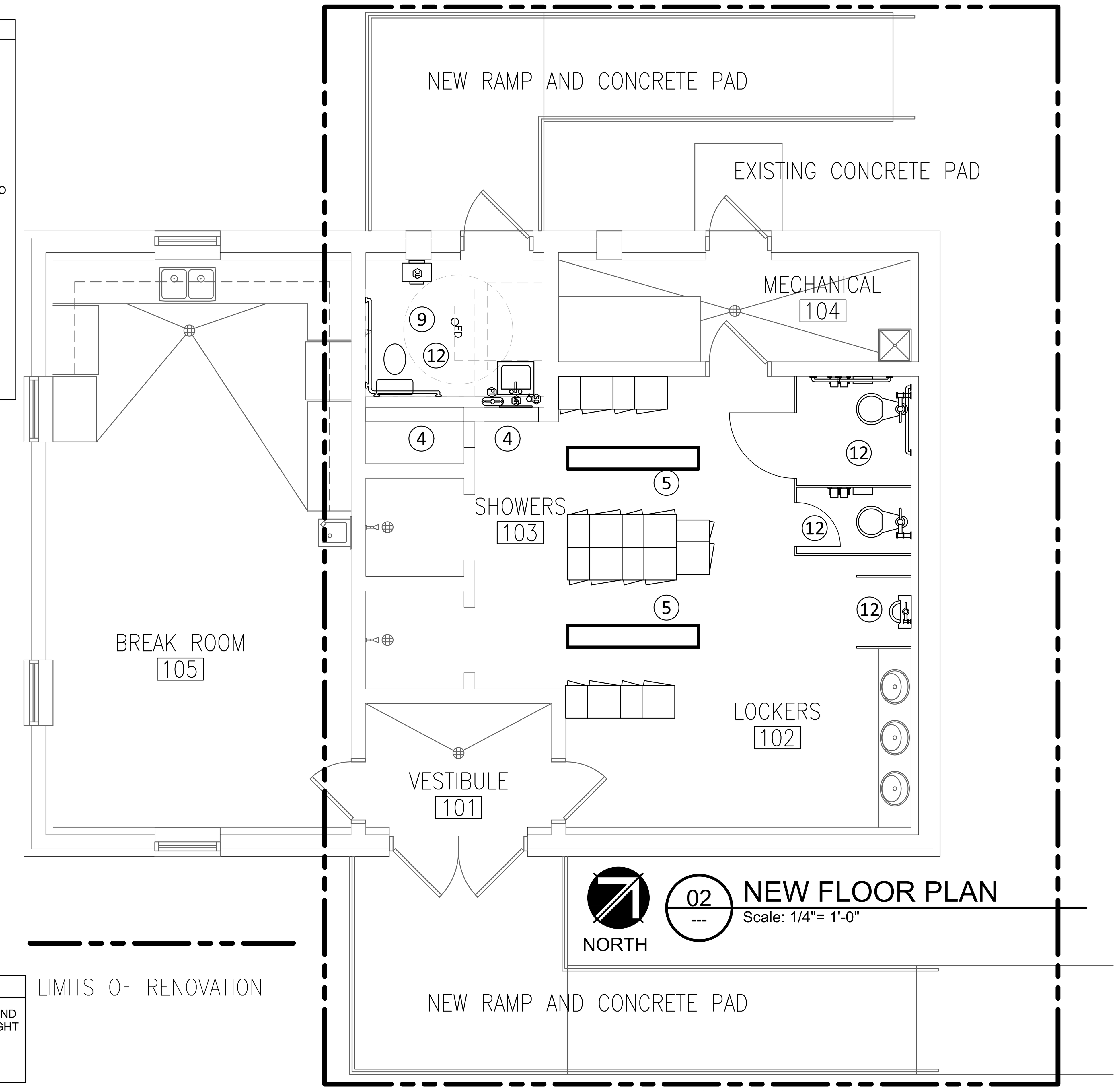
1. INSTALL BLOCKING AS REQUIRED FOR INSTALLATION OF NEW MILLWORK, EQUIPMENT, ACCESSORIES, ETC.
2. TIME CLOCK TO BE RELOCATED AS SHOWN. 48" MAX. A.F.F. TO OPERABLE PART.
3. INSTALL NEW TILE FLOORING.
4. EXISTING WALLS TO BE INFILLED TO FORM NEW SPACES.
5. NEW LOCKERS AND BENCHES.
6. INSTALL WALL TILE "WT-1" AT WINDOW HEAD, JAMB AND SILL. TILES TO BE CENTERED WITHIN THE OPENING. INSTALL METAL TRIMS AT CORNERS AS SHOWN ON ELEVATIONS.
7. NEW LIGHTING FIXTURES TO BE INSTALLED.
8. INSTALL NEW CONCRETE SLAB TO ACCOMMODATE NEW DRAIN SYSTEM AND MINIMUM 1" RECESS FOR SHOWER FLOOR.
9. NEW FLOOR DRAIN. INSTALL FLOOR AT MAX. 1/4" PER LINEAR FOOT PITCH.
10. INSTALL NEW WALL TO ALIGN FACE OF EXISTING WALL.
11. INSTALL NEW WINDOWS AND SILLS AS NEEDED.
12. INSTALL NEW TOILETS, URINALS, PARTITIONS, ACCESSORIES (SEE SCHEDULE), ETC.

RCP LEGEND

- NEW 2X2 LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- NEW 2X2 VINYL-COVERED LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- EXISTING 2X2 GRID SYSTEM NEWLY PAINTED AND NEW ACOUSTICAL CEILING TILES
- GYP BD SOFFIT: ⅝" GYP BD ON 3⅝" METAL FRAMING
- NEW 2X4 LIGHT FIXTURE
- NEW EXIT LIGHT
- NEW SUPPLY GRILLE
- NEW RETURN GRILLE
- NEW EXHAUST GRILLE
- 8'-6" CEILING HEIGHT ABOVE FINISH FLOOR

REFLECTED CEILING PLAN NOTES

1. IN VESTIBULE 101,BREAK ROOM 105, SHOWERS 103 AND LOCKERS 102, EXISTING CEILING GRID, TILES AND LIGHT FIXTURES TO REMAIN.
2. IN NEW TOILET, PROVIDE NEW CEILING GRID, TILES LIGHT FIXTURE AND EXHAUST FAN.



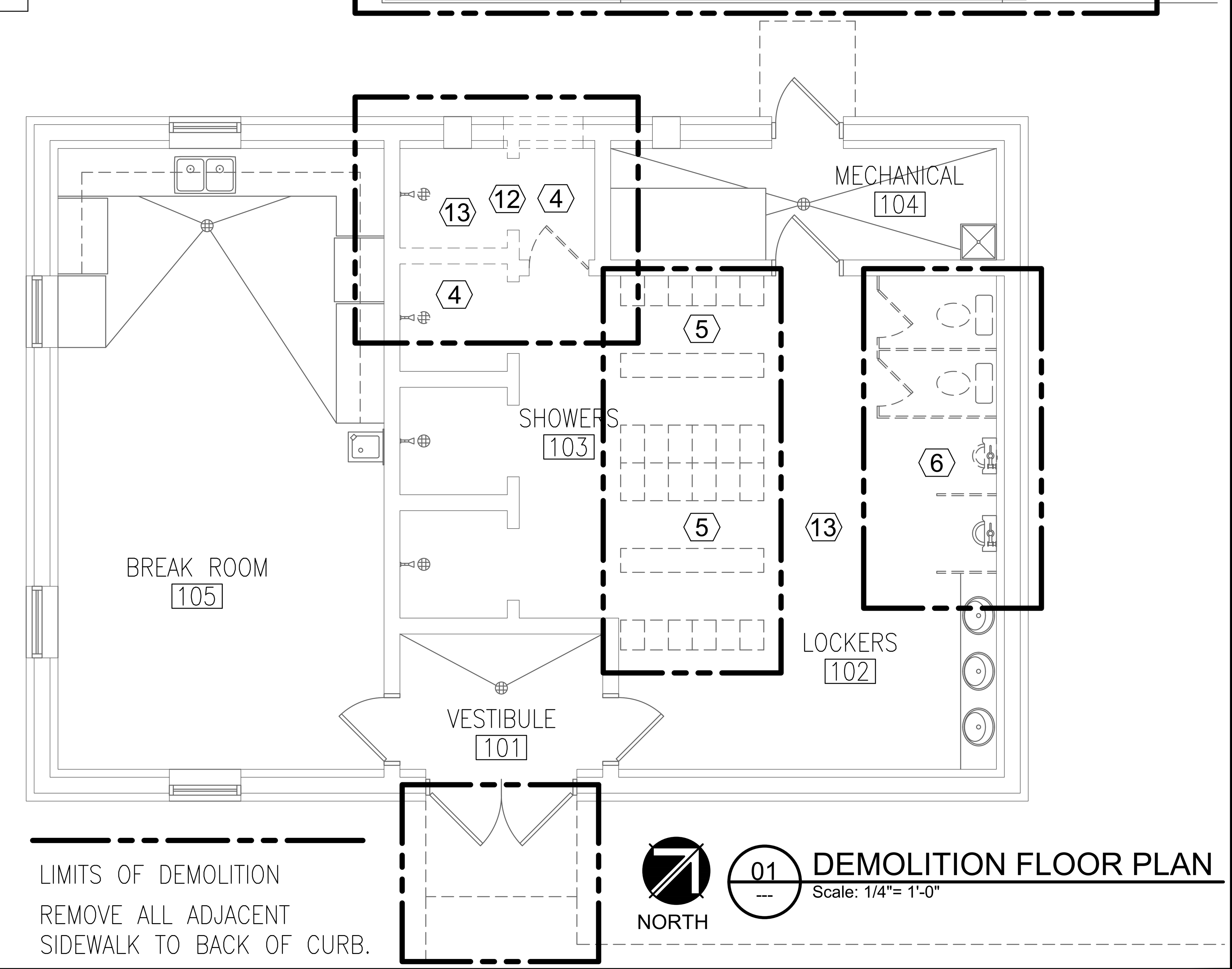
02 NEW FLOOR PLAN
Scale: 1/4"= 1'-0"

KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK. PROTECT FLOORING AND WALL TRIM.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
4. EXISTING DOOR AND WALLS TO BE REMOVED. SHOWERHEAD AND ASSOCIATED PLUMBING TO BE CAPPED IN WALL OR REROUTED FOR NEW WORK. EXISTING EXTERIOR WALL TO HAVE OPENING MADE FOR NEW DOOR.
5. EXISTING LOCKERS, EQUIPMENT ACCESSORIES, ETC. TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS AND TOILET ACCESSORIES TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING CARPET FLOOR SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR INSTALLATION OF NEW FLOORING.
8. EXISTING SHELVE TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT DIFFERENT LOCATION.
9. EXISTING DOORS TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
10. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
11. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
12. EXISTING PAINTED WALLS TO BE REMOVED.
13. EXISTING TILE FLOORING TO BE REMOVED.

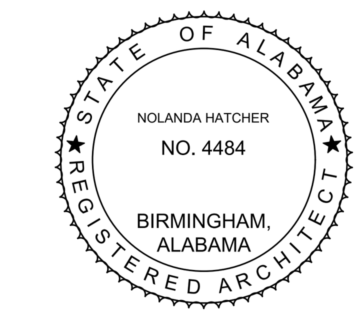
GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



01 DEMOLITION FLOOR PLAN
Scale: 1/4"= 1'-0"

SEAL



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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK HEADWORKS

SHEET TITLE
DEMOLITION, NEW FLOOR PLAN & REFLECTED CEILING PLAN

DRAWING NUMBER
A13.0

PROJECT NUMBER
202123

TOILET ACCESSORY SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

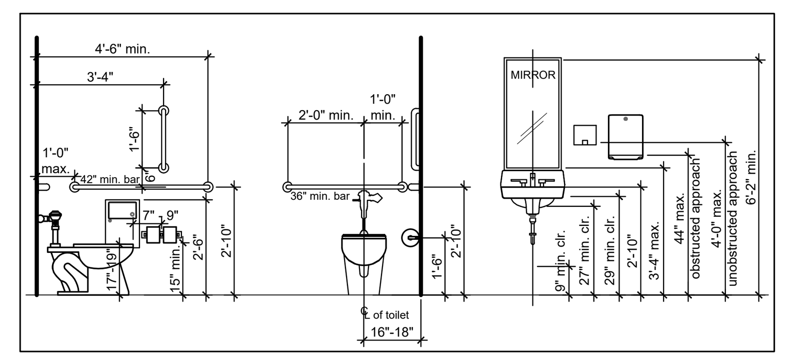
BREAK ROOM APPLIANCE SCHEDULE

ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	NOT USED
WT-1	WALL TILE (FIELD TILE)	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET
WT-3	WALL TILE	MATCH EXISTING	MATCH EXISTING SIZE, STYLE, COLOR AND TEXTURE
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
QB-1	QUARRY TILE BASE	DALTILE	MATCH EXISTING STYLE, COLOR AND TEXTURE
FLOOR			
FT-1	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 24X24, 1/8" GROUT JOINT
FT-2	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET, 1/8" GROUT JOINT
FT-3	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
SC	SEALED CONCRETE		SEALER FOR EXISTING CONCRETE FLOOR
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	BRADMAR 1" THICK SOLID PLASTIC PARTITION, COLOR TO BE SELECTED
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC12 SQ (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC58 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	QUADEC 110 EB (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-4	METAL TRIM FOR CERAMIC WALL TILES	CERAMIC TOOL COMPANY	CTC716 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM



TYPICAL ADA MOUNTING HEIGHT

FINISH LEGEND

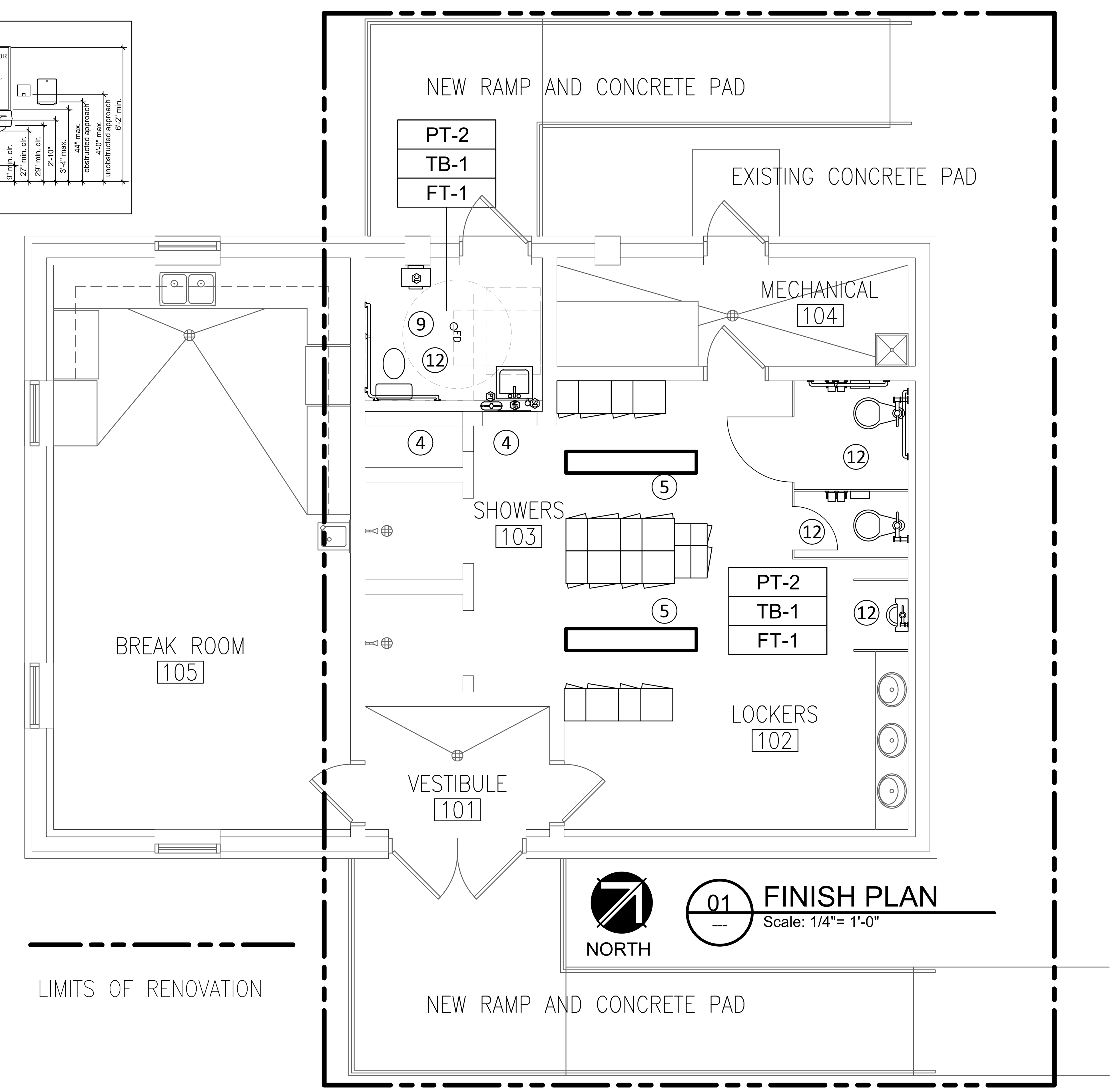
- WALL / BASE / FLOOR — FINISH SYMBOL
- ACCENT FINISH
- KEYED FINISH NOTES
- TRANSITION OF FLOOR MATERIAL (# / SHEET)

GENERAL NOTES - FINISH PLAN:

1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "UCB-1" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.
3. INSTALL URETHANE FLOORING WITH #90 GRIT SILICA (STONHARD'S TEXTURE #2) IN SHOWER FLOOR ONLY, SEE SPEC.
4. INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY MANUFACTURER'S FULL RANGE.
5. REPLACE DAMAGED FLOOR TILES WITH NEW AS REQUIRED.



01 FINISH PLAN
Scale: 1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK HEADWORKS

SHEET TITLE
FINISH PLAN, SCHEDULES, & NOTES

DRAWING NUMBER
A13.1

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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Brimingham, AL 35243
Phone: 205-995-4979
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DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

FAN SCHEDULE

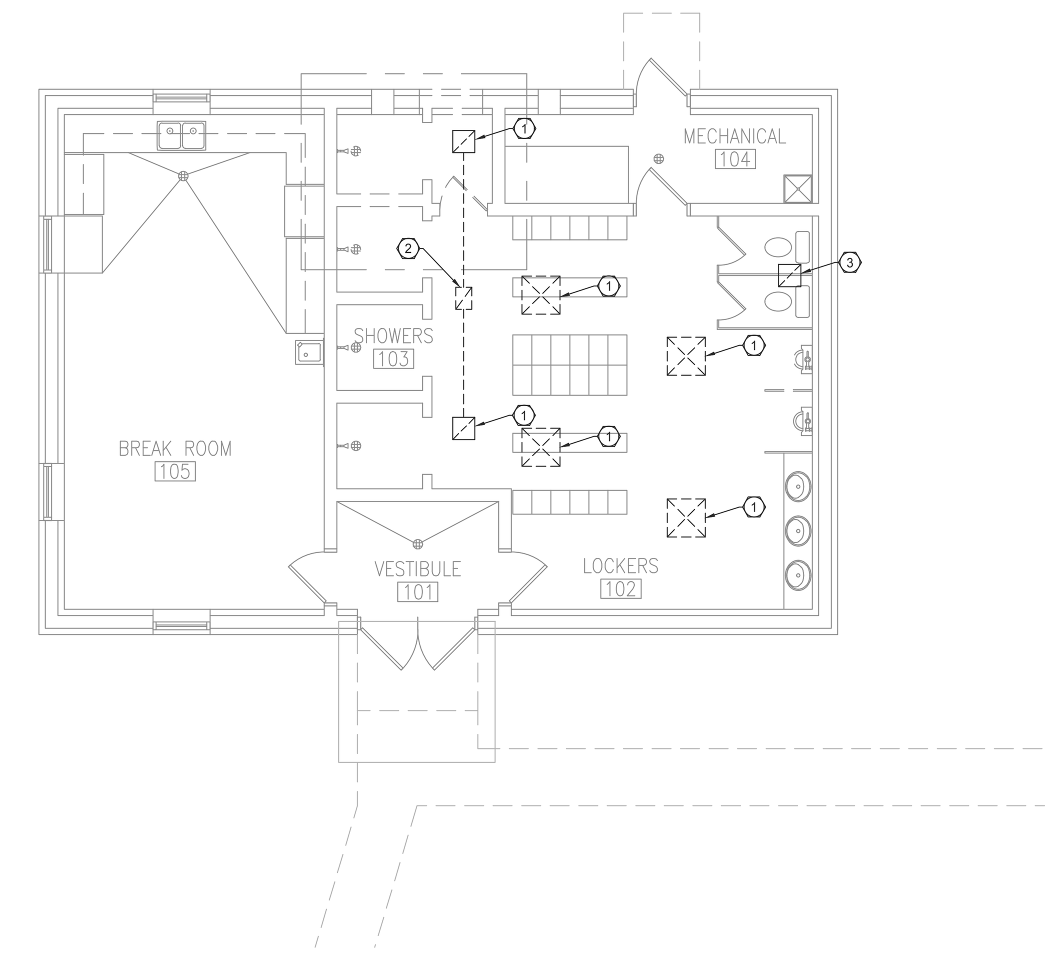
MARK	SERVES	LOCATION	TYPE	CFM	E.S.P IN. W.G	LIMIT (SONES)	MOTOR HP (W)	MOTOR V/Ø/Hz	ACCESSORIES	INTERLOCK	BASIS OF DESIGN (GREENHECK)
EF-1	TOILET	CEILING	A	50	0.35	1.2	(16)	120/1/60	1	WALL SWITCH	SP-A125

TYPES

- A CEILING MOUNTED EXHAUST FAN, DIRECT DRIVE
- B CEILING MOUNTED EXHAUST FAN, BELT DRIVE
- C CENTRIFUGAL UPBLAST ROOF EXHAUSTER, DIRECT DRIVE
- D CENTRIFUGAL UPBLAST ROOF EXHAUSTER, BELT DRIVE

ACCESSORIES

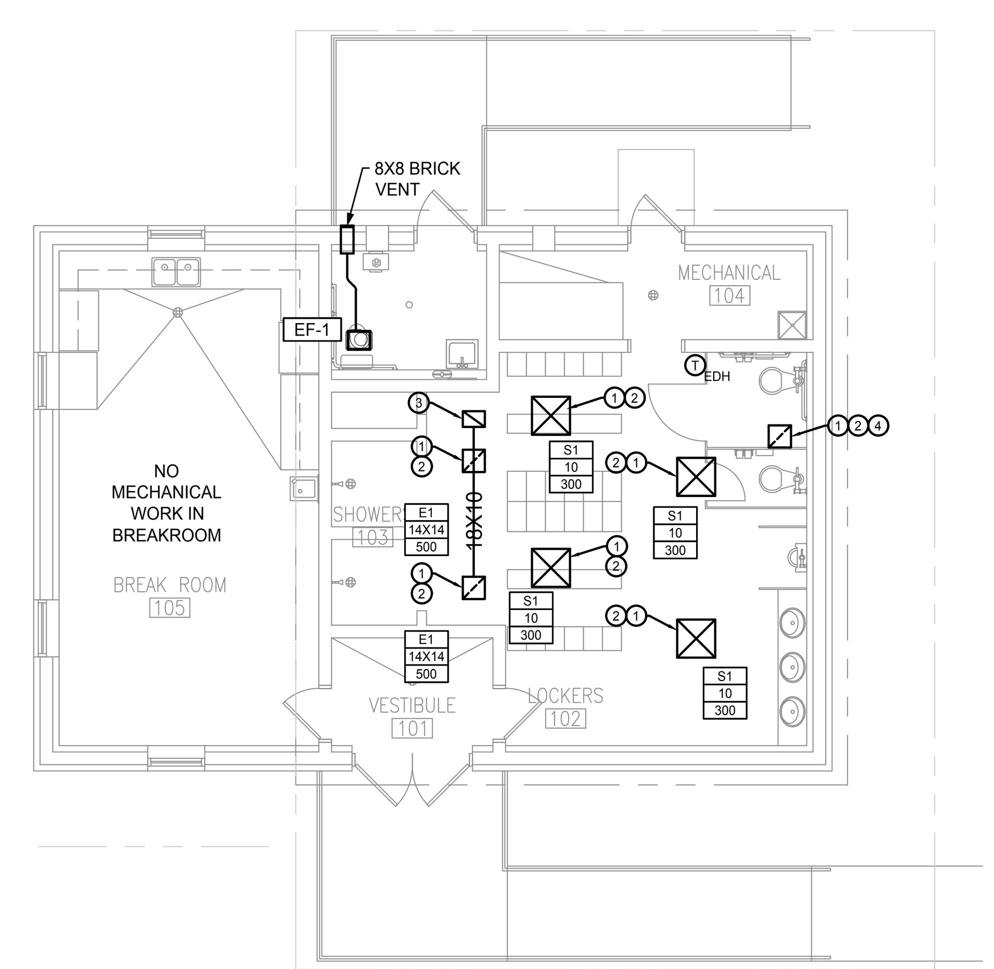
1 PLASTIC CEILING GRILLE, BACKDRAFT DAMPER, FLEXIBLE CONNECTOR, SOLID STATE SPEED CONTROLLER, PRE-WIRED DISCONNECT, ENERGY STAR RATED



DEMOLITION HVAC DUCTWORK PLAN - HEADWORKS BLGD
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE.
2. DEMOLISH AND REMOVE EXISTING EXHAUST AIR PLENUM COMPLETE.
3. DEMOLISH AND REMOVED EXISTING EXHAUST GRILLE, EXISTING 10X10 DUCTWORK TO REMAIN.



HVAC DUCTWORK PLAN - HEADWORKS BLDG
1/8" = 1'-0"

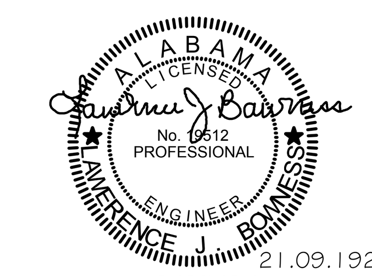
KEYED NOTES:

1. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
2. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.
3. NEW 18X10 EXHAUST DUCT UP, CONNECT TO EXISTING.
4. INSTALL NEW EXHAUST GRILLE IN NEW LAY IN CEILING. CONNECT TO EXISTING DUCTWORK, UP TO EF-2.
5. RELOCATE EXISTING WALL MOUNTED THERMOSTATS AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK HEADWORKS BUILDING

SHEET TITLE
FLOOR PLAN HVAC DEMOLITION AND NEW WORK

DRAWING NUMBER
M13.0

PROJECT NUMBER
202123

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EX. CW, SAN, AND VENT PIPING BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
2. DISCONNECT AND REMOVE EXISTING URNINAL COMPLETE. REMOVE EX. CW, SAN, AND VENT PIPING BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
3. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN AND SHOWER FITTINGS COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
4. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN COMPLETE. REMOVE EXISTING WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.

GENERAL DEMOLITION NOTES

A. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, REMOVE THE FIXTURE/EQUIPMENT, ROUGH-IN AND ALL PIPING BACK TO MAINS AND CAP. REMOVE ALL ABANDONED PIPING FROM SITE.

B. DO NOT ABANDON ANY PIPING IN WALLS, BELOW SLAB , ABOVE CEILING. ALL BRANCH PIPING SERVING FIXTURES BEING REMOVED SHALL BE TAKEN BACK TO ACTIVE MAINS AND CAPPED.

C. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

D. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

E. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

F. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

G. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.

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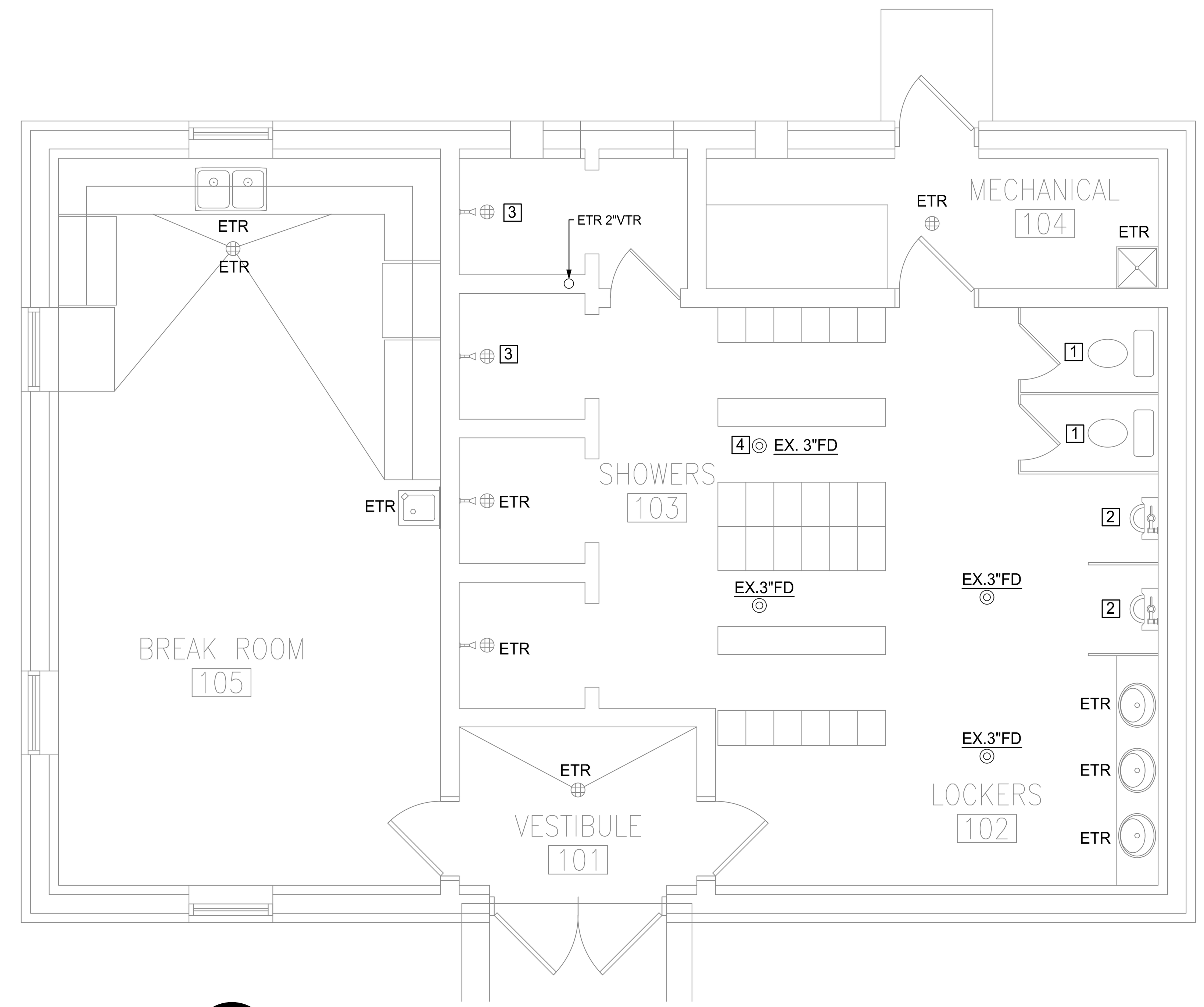


NORTH

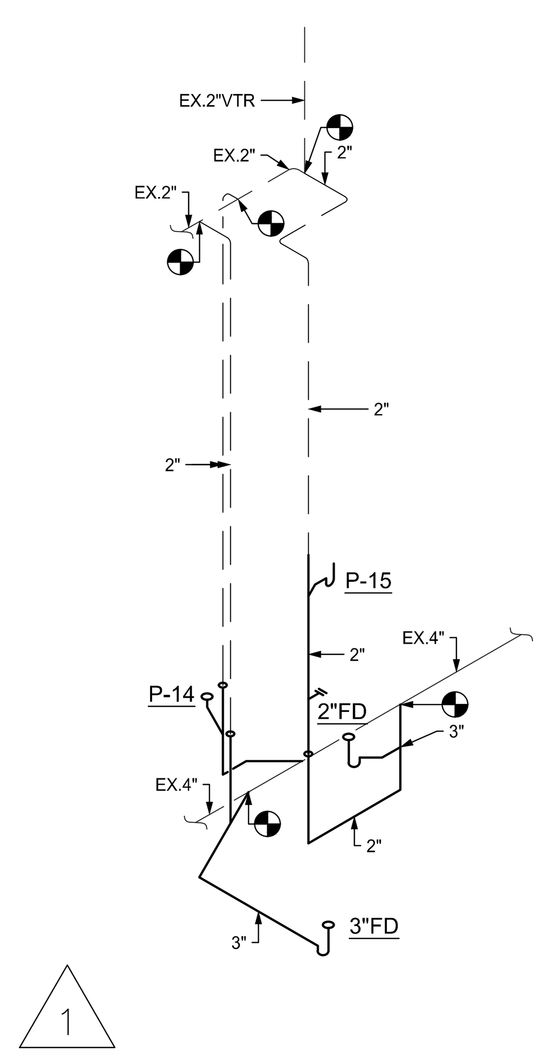
01 P13.0 PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"

GENERAL NOTES

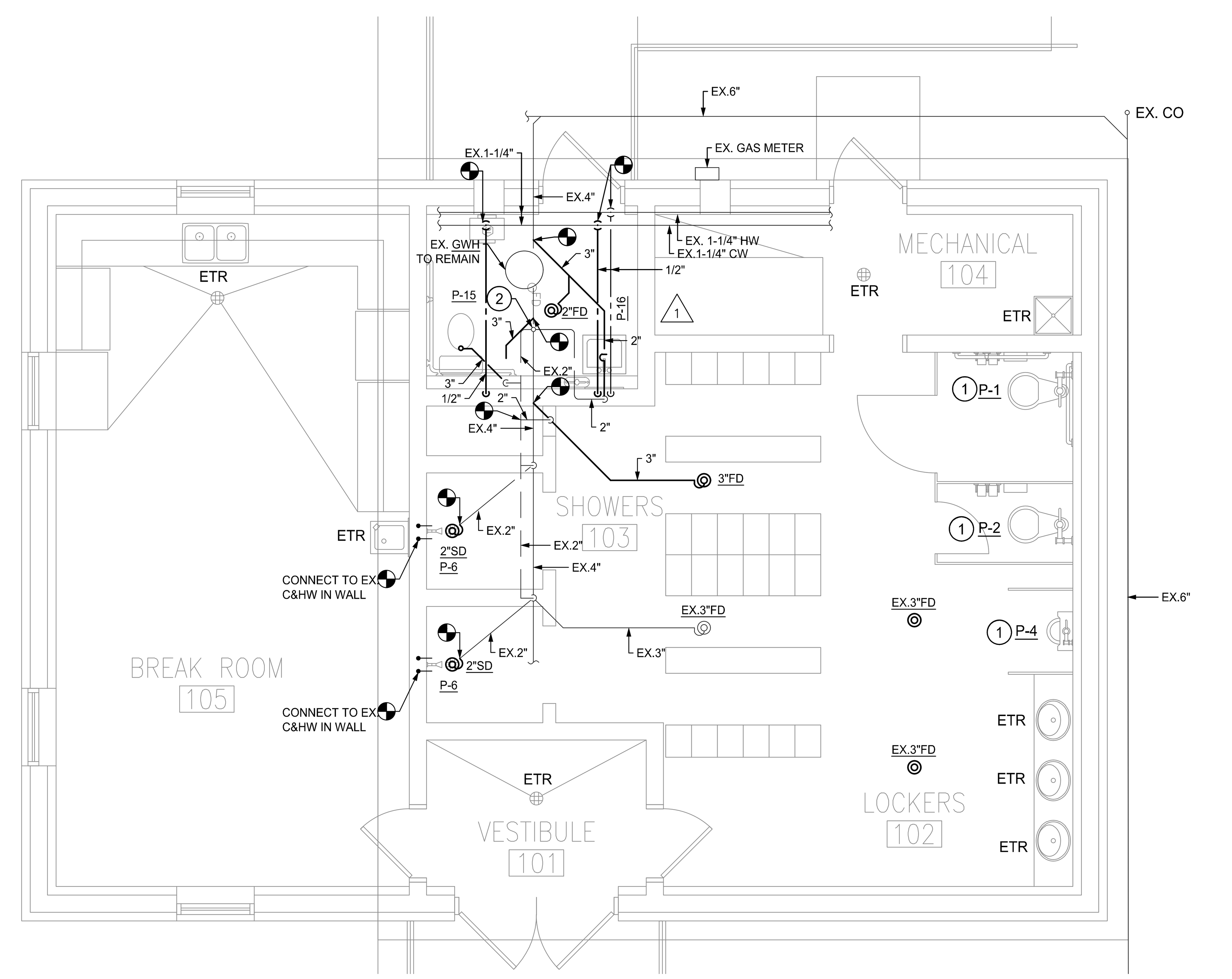
A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.
2. CONNECT TO EXISTING 2" VTR.



03 P13.0 PLUMBING RISER DIAGRAM
Scale:NTS



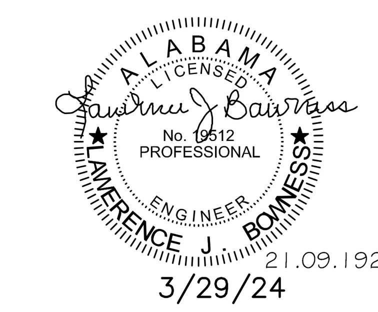
NORTH

02 P13.0 PLUMBING NEW WORK PLAN
Scale:1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK HEADWORKS

SHEET TITLE
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER
P13.0

PROJECT NUMBER
202123

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS AREA TO BE REMOVED COMPLETE TO THE NEXT UPSTREAM DEVICE THAT IS TO REMAIN.
2. EXISTING LIGHTING IN THIS AREA TO REMAIN. PROTECT EXISTING LIGHTS, SWITCHING, AND WIRING AS REQUIRED.
3. CONNECT TO EXISTING LIGHTING CIRCUIT IN LOCKER ROOM WITH 2#12, 1#12G–3/4"C. REWORK SWITCHING AS SHOWN.
4. CONNECT TO NEW 20/1 BREAKER AT NEAREST 120/208 VOLT PANEL WITH 2#12, 1#12G–3/4"C. BREAKER TO BE MOUNTED IN AVAILABLE SPACE. MATCH MANUFACTURER AND AIC RATING OF PANEL.
5. EXISTING LIGHTING IN THIS AREA TO BE REMOVED AND REPLACED WITH NEW LIGHTS SHOWN. DISCONNECT EACH AND RECONNECT TO THE EXISTING LIGHTING CIRCUIT IN ROOM WITH 2#12, 1#12G–3/4"C. MAINTAIN EXISTING SWITCHING.

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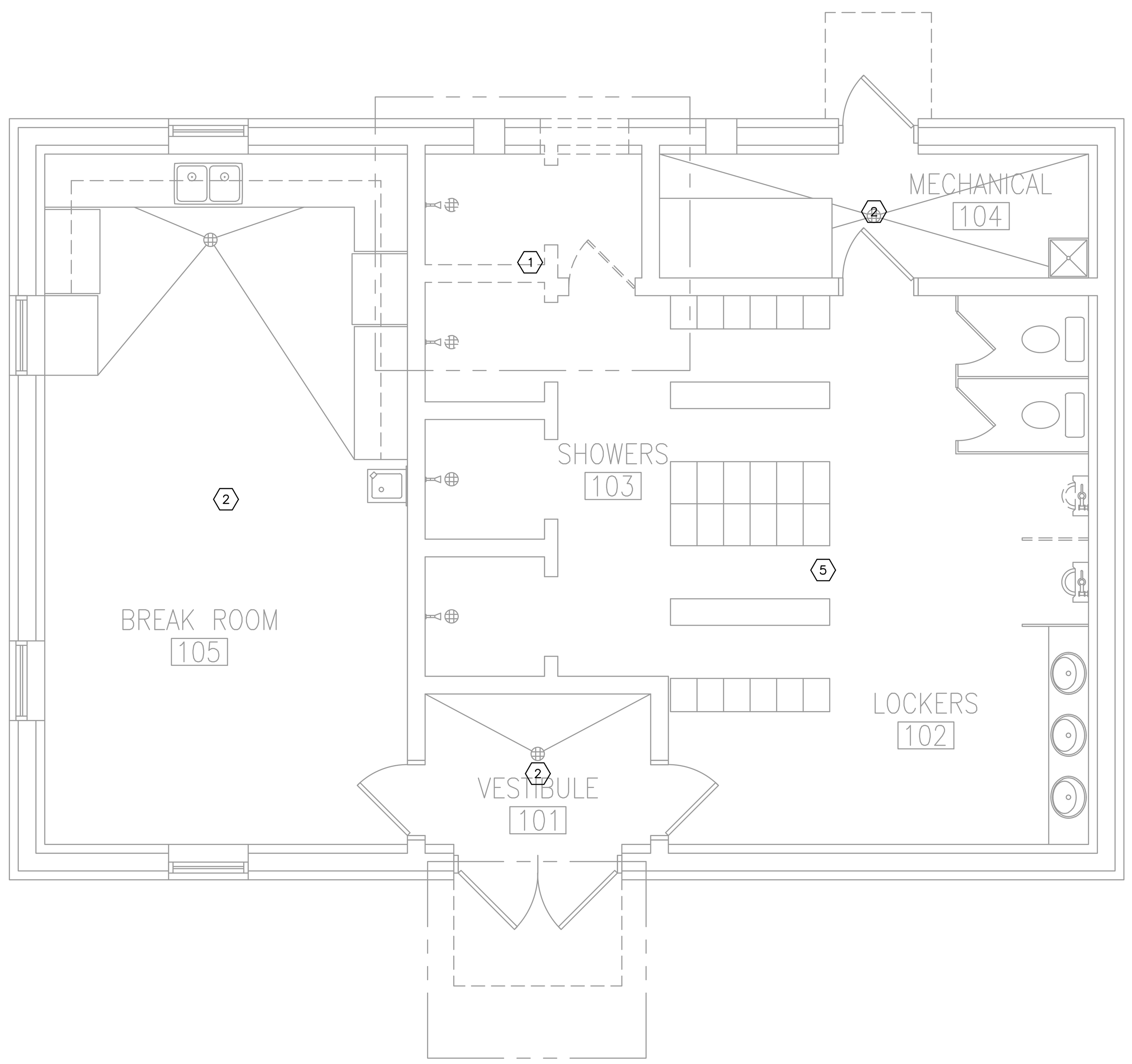
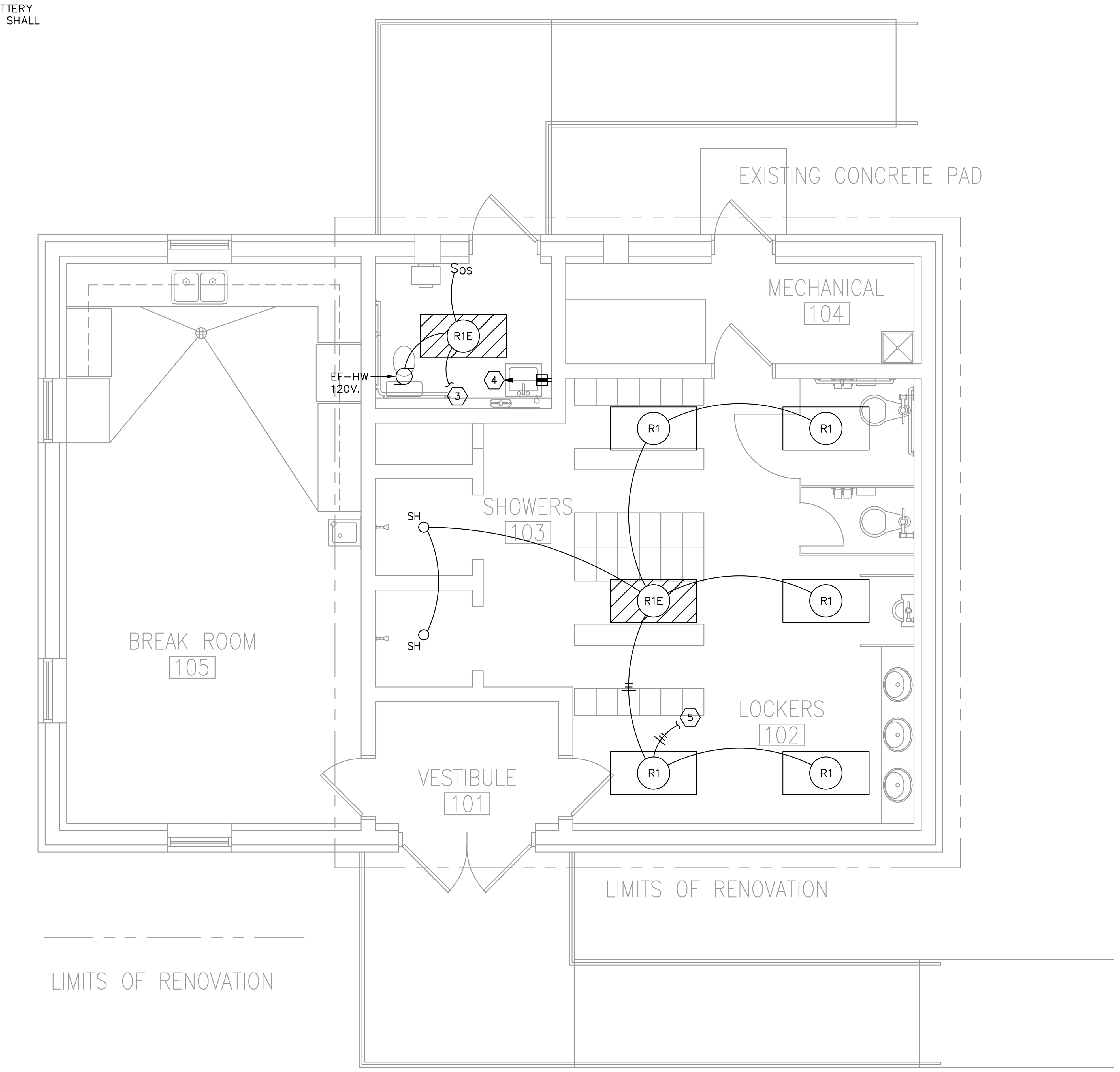
File: EP-13.dwg Time: 4:12:52 pm



FIRST FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"
NORTH



FIRST FLOOR PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"
NORTH

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK HEADWORKS

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E13.0

PROJECT NUMBER
202123

30% DESIGN REVIEW

KEYED FLOOR PLAN NOTES

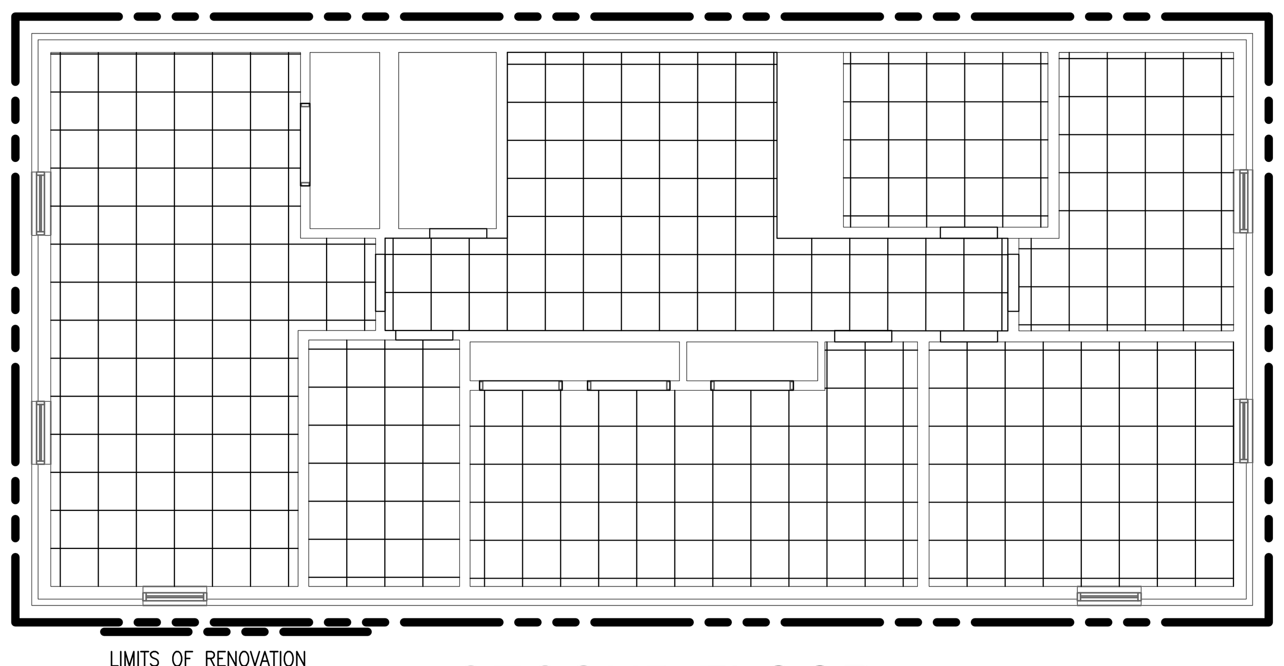
1. INSTALL BLOCKING AS REQUIRED FOR INSTALLATION OF NEW MILLWORK, EQUIPMENT, ACCESSORIES, ETC.
2. TIME CLOCK TO BE RELOCATED AS SHOWN. 48" MAX. A.F.F. TO OPERABLE PART.
3. INSTALL 1/2" SOLID SURFACE WINDOW SILL. DO NOT EXTEND BEYOND SIDE WALL OF WINDOW OPENING. EASED EDGE CORNERS.
4. EXISTING FLOOR DRAIN. REWORK FLOOR SLOPE TO THE DRAIN.
5. NEW FLOOR DRAIN.
6. INSTALL WALL TILE "WT-1" AT WINDOW HEAD, JAMB AND SILL. TILES TO BE CENTERED WITHIN THE OPENING. INSTALL METAL TRIMS AT CORNERS AS SHOWN ON ELEVATIONS.
7. NEW LIGHTING FIXTURES TO BE INSTALLED.
8. INSTALL NEW CONCRETE SLAB TO ACCOMMODATE NEW DRAIN SYSTEM AND MINIMUM 1" RECESS FOR SHOWER FLOOR.
9. NEW FLOOR DRAIN. INSTALL FLOOR AT MAX. 1/4" PER LINEAR FOOT PITCH.
10. INSTALL NEW WALL TO ALIGN FACE OF EXISTING WALL.
11. INSTALL NEW WINDOWS AND SILLS.
12. INSTALL NEW DOORS, CLOSERS AND HARDWARE IN ALL EXISTING SPACES
13. INSTALL NEW DRINKING FOUNTAIN.
14. INSTALL NEW FLOORING.
15. INSTALL NEW LOCKERS AND BENCHES.

KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR STAINING CONCRETE SLAB.
8. EXISTING CMU WALL TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, MILLWORK, TOILETS (URINALS), TOILET PARTITIONS, ACCESSORIES AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
17. EXISTING WINDOW TO BE REMOVED.
18. EXISTING DRINKING FOUNTAIN TO BE REMOVED.
19. EXISTING LOCKERS AND BENCHES TO BE REMOVED.

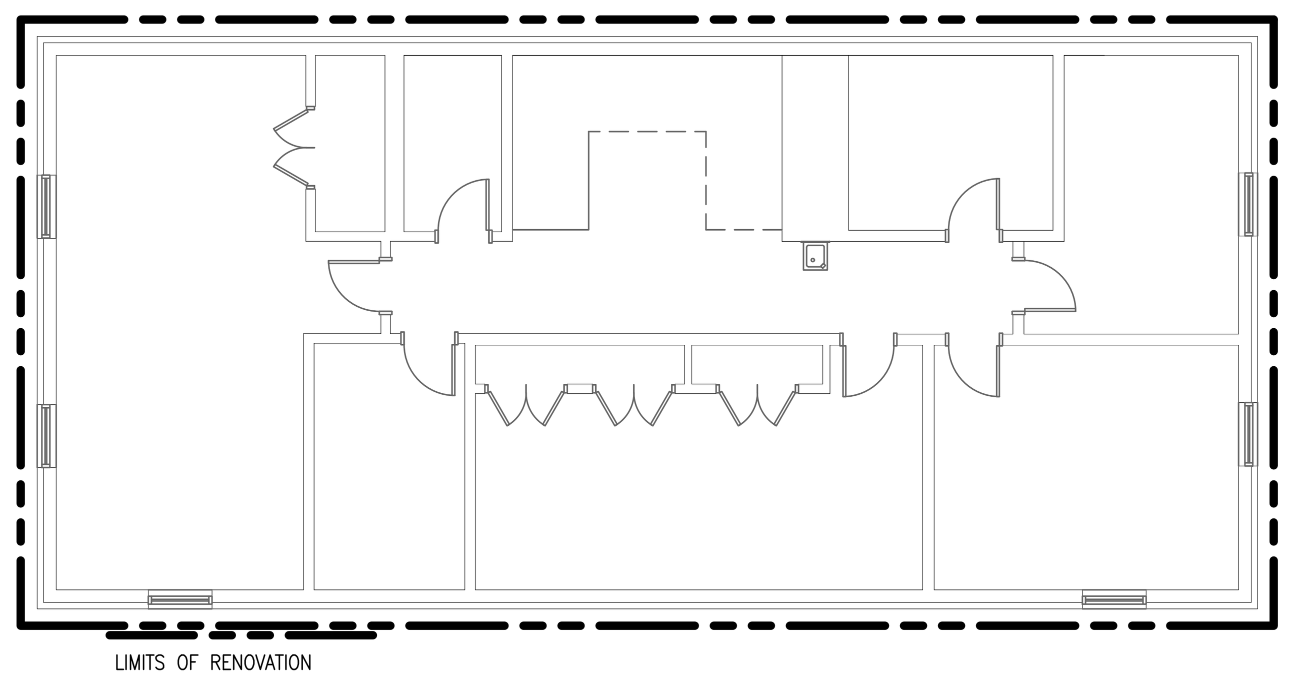
GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
4. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
5. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
6. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
7. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
8. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEMOLITION DEBRIS IN THE BUILDING, AT CONTRACTOR'S EXPENSE.
9. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
10. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
11. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
12. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



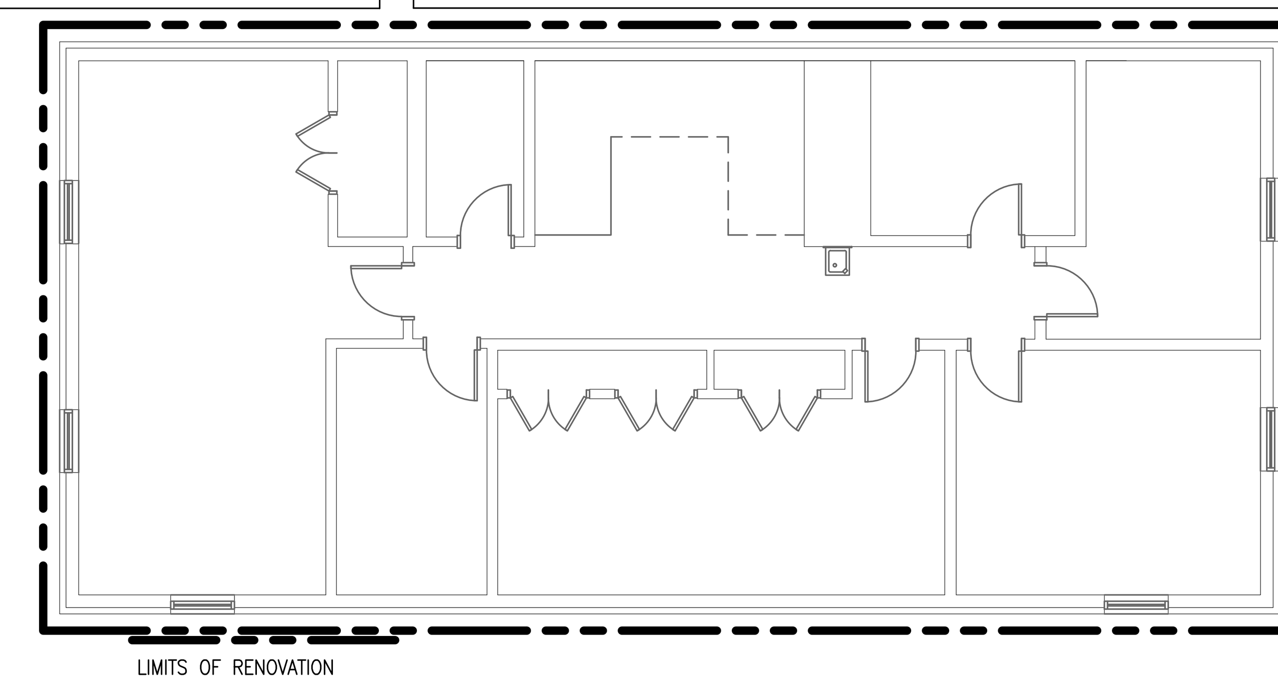
NORTH

05 SECOND FLOOR REFLECTED CEILING PLAN
Scale: 1/8"= 1'-0"



NORTH

04 NEW SECOND FLOOR PLAN
Scale: 1/8"= 1'-0"



NORTH

03 DEMO SECOND FLOOR PLAN
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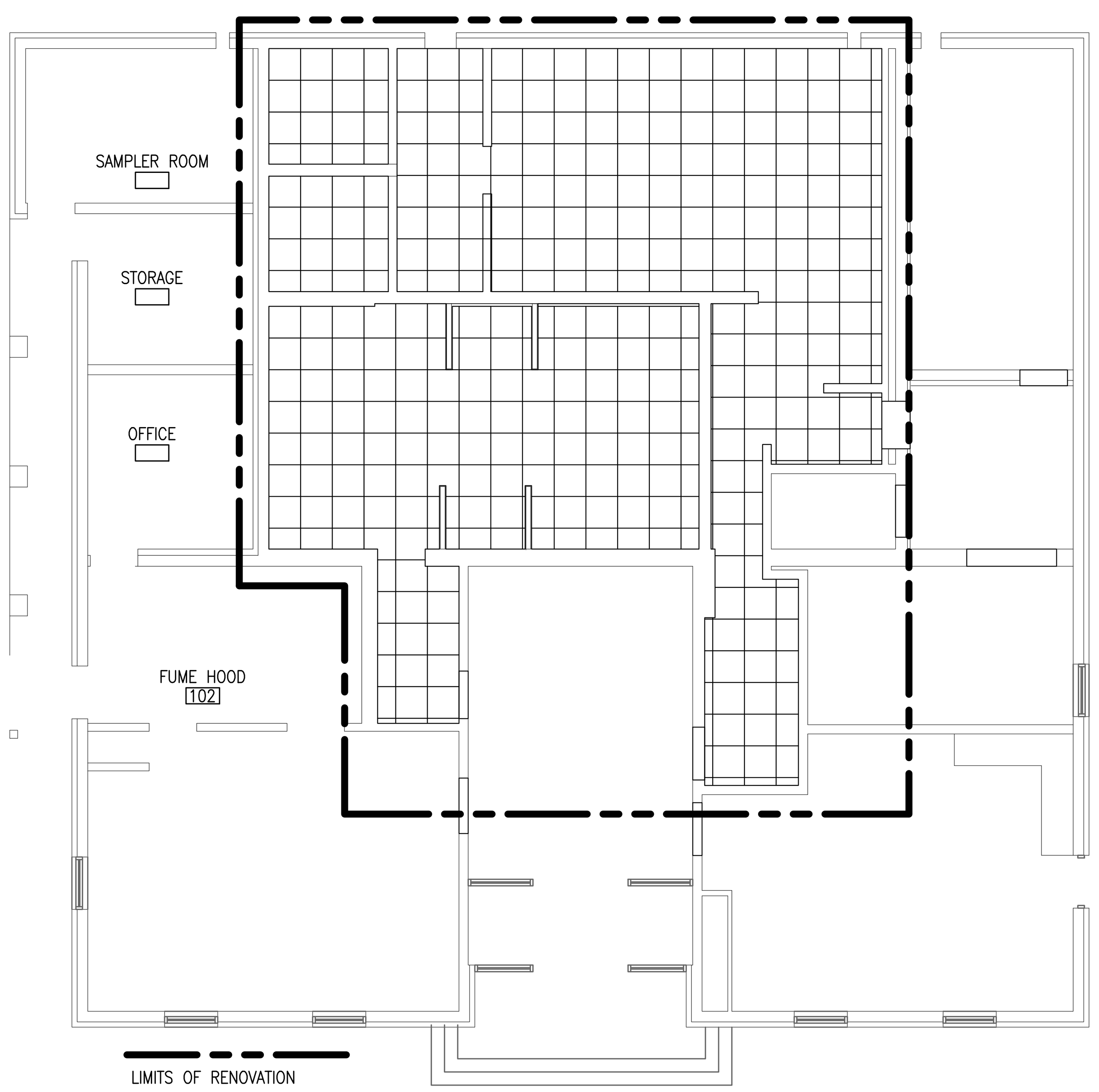
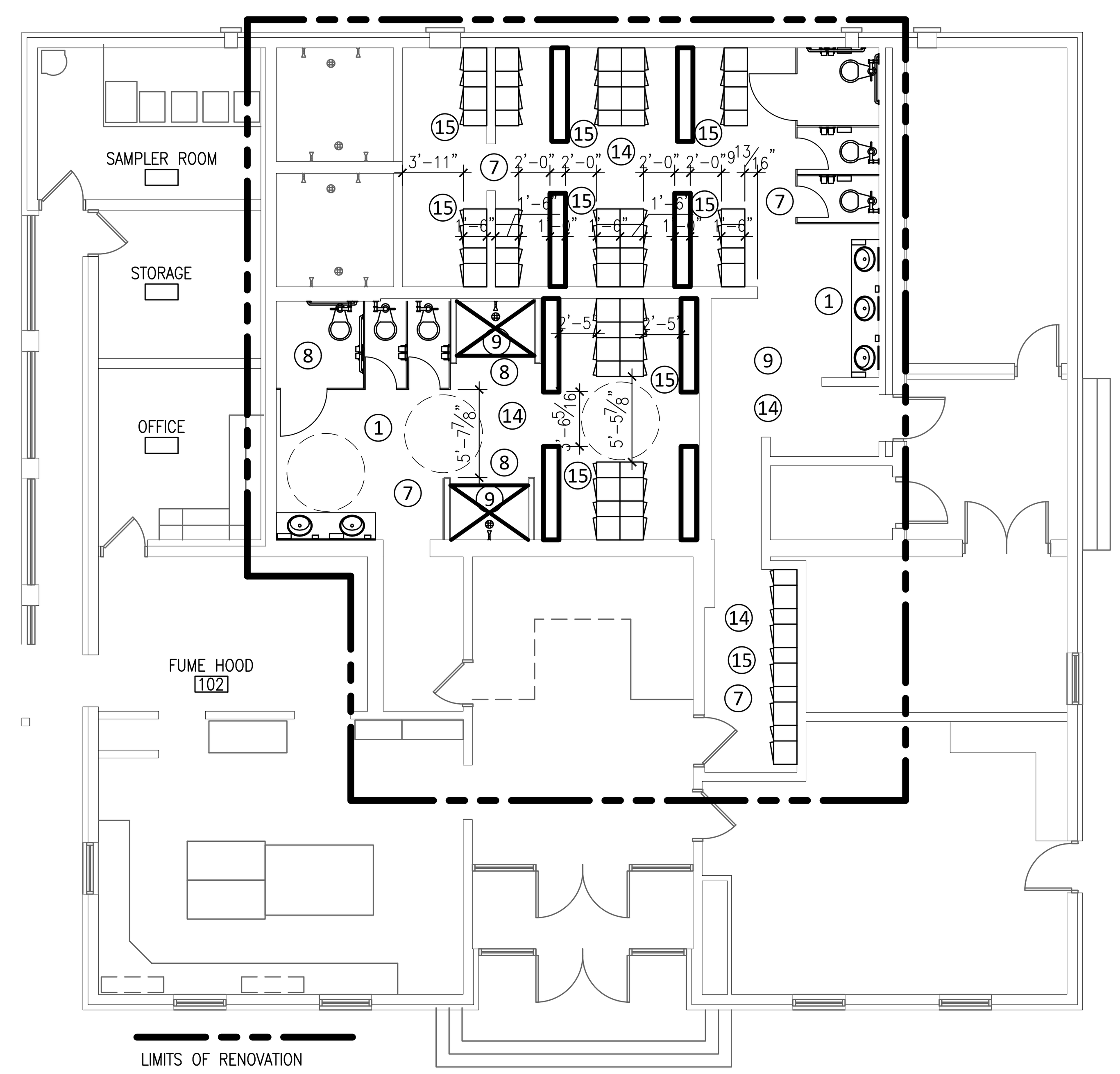


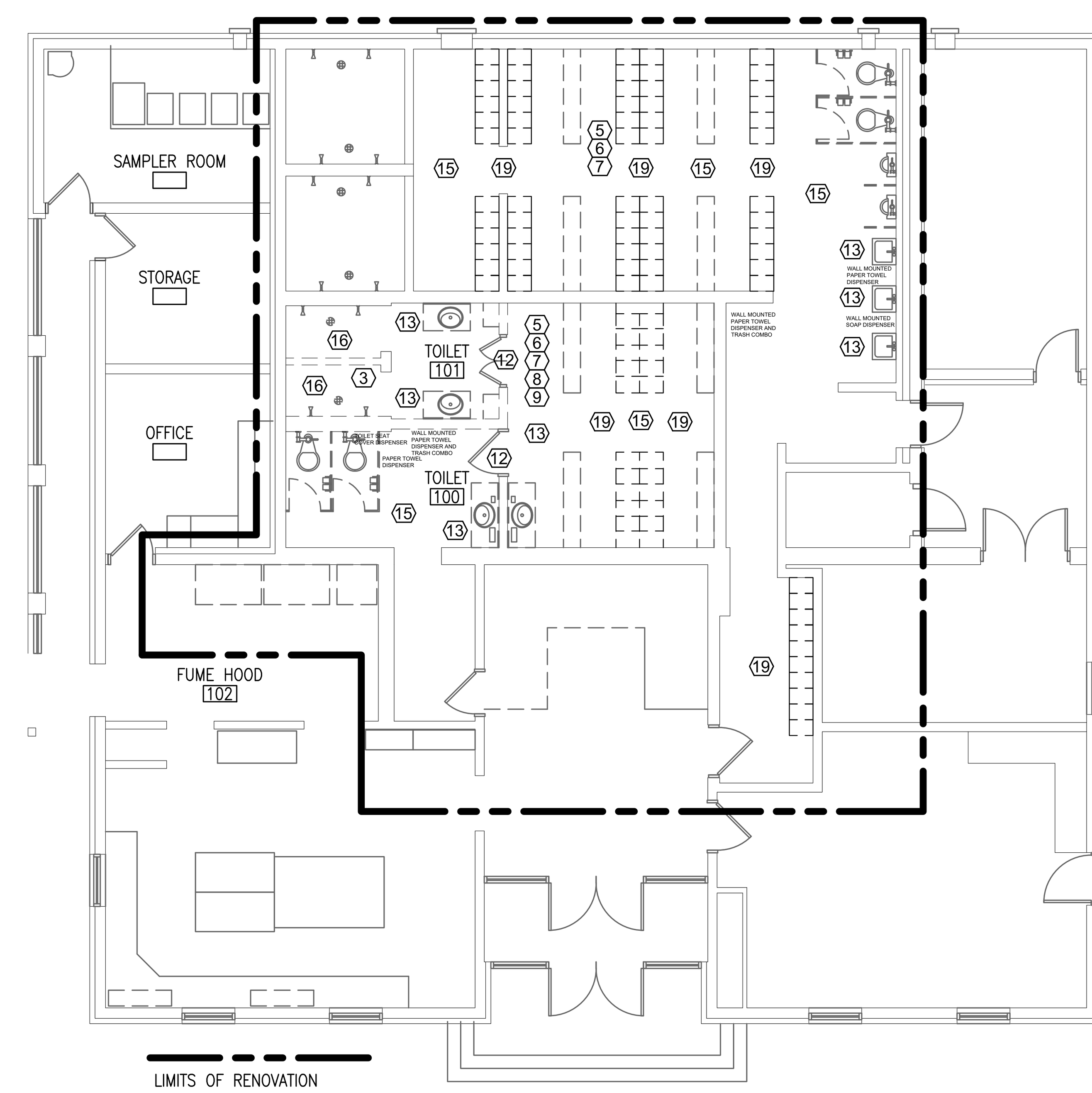
NORTH

06 GROUND FLOOR REFLECTED CEILING PLAN
Scale: 1/8"= 1'-0"



NORTH

02 NEW GROUND FLOOR PLAN
Scale: 1/8"= 1'-0"



NORTH

01 DEMO GROUND FLOOR PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
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REGISTERED ARCHITECT

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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION

VILLAGE CREEK FIELD HOUSE

SHEET TITLE

DEMOLITION, NEW FLOOR PLAN AND REFLECTED CEILING PLAN

DRAWING NUMBER

A14.0

PROJECT NUMBER

202123

TOILET ACCESSORY SCHEDULE

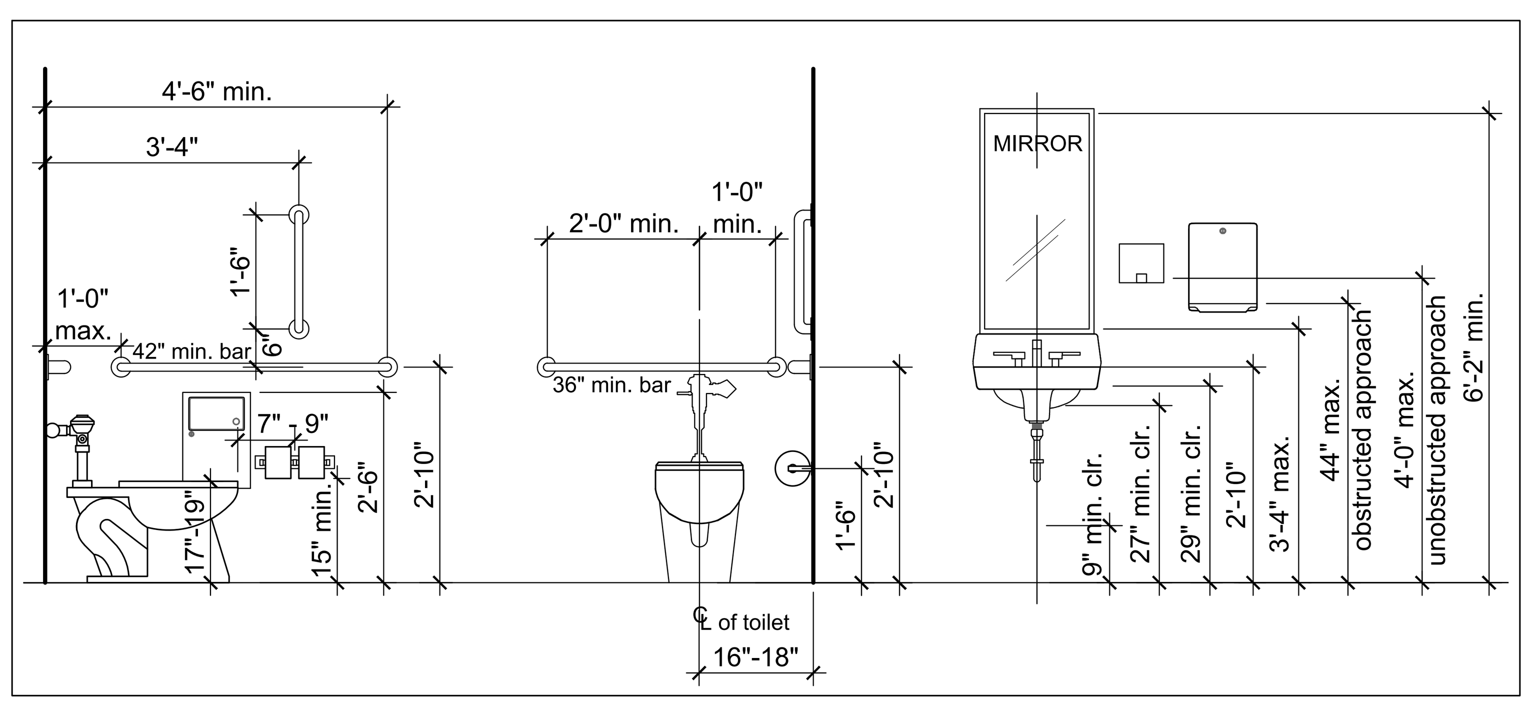
KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE

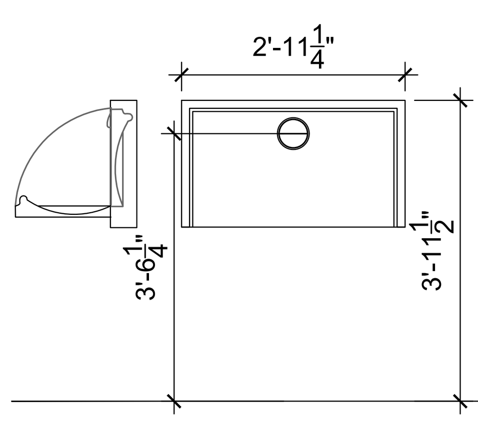
NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

BREAK ROOM APPLIANCE SCHEDULE

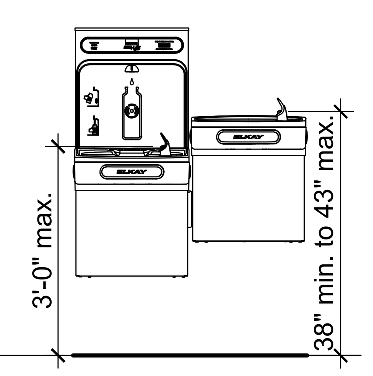
ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.





BABY CHANGING STATION



WATER FOUNTAIN w/ BOTTLE FILLER

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	NOT USED
WT-1	WALL TILE (FIELD TILE)	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET
WT-3	WALL TILE	MATCH EXISTING	MATCH EXISTING SIZE, STYLE, COLOR AND TEXTURE
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
QB-1	QUARRY TILE BASE	DALTILE	MATCH EXISTING STYLE, COLOR AND TEXTURE
FLOOR			
FT-1	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 24X24, 1/8" GROUT JOINT
FT-2	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET, 1/8" GROUT JOINT
FT-3	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
SC	SEALED CONCRETE		SEALER FOR EXISTING CONCRETE FLOOR
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSPLASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	BRADMAR 1" THICK SOLID PLASTIC PARTITION, COLOR TO BE SELECTED
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC12 SQ (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC58 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	QUADEC 110 EB (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-4	METAL TRIM FOR CERAMIC WALL TILES	CERAMIC TOOL COMPANY	CTC716 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM

GENERAL NOTES - FINISH PLAN:

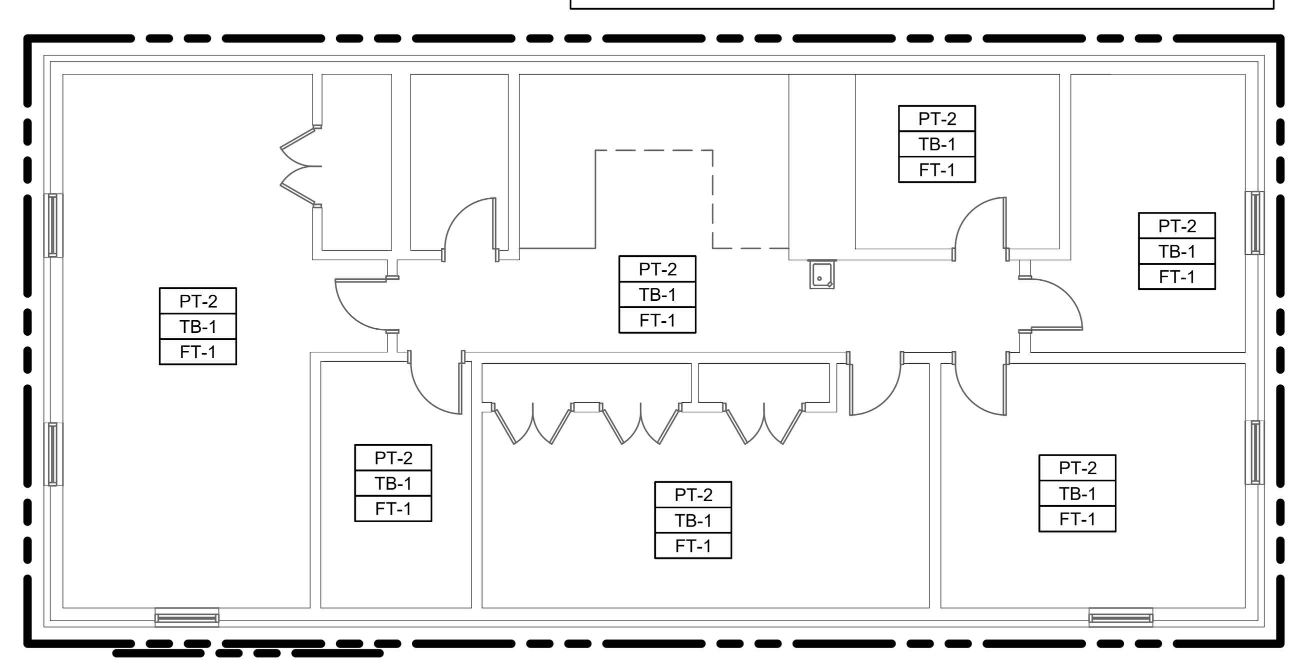
1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "UCB-1" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.
3. INSTALL URETHANE FLOORING WITH #90 GRIT SILICA (STONHARD'S TEXTURE #2) IN SHOWER FLOOR ONLY, SEE SPEC.
4. INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY MANUFACTURER'S FULL RANGE.
5. REPLACE DAMAGED FLOOR TILES WITH NEW AS REQUIRED.

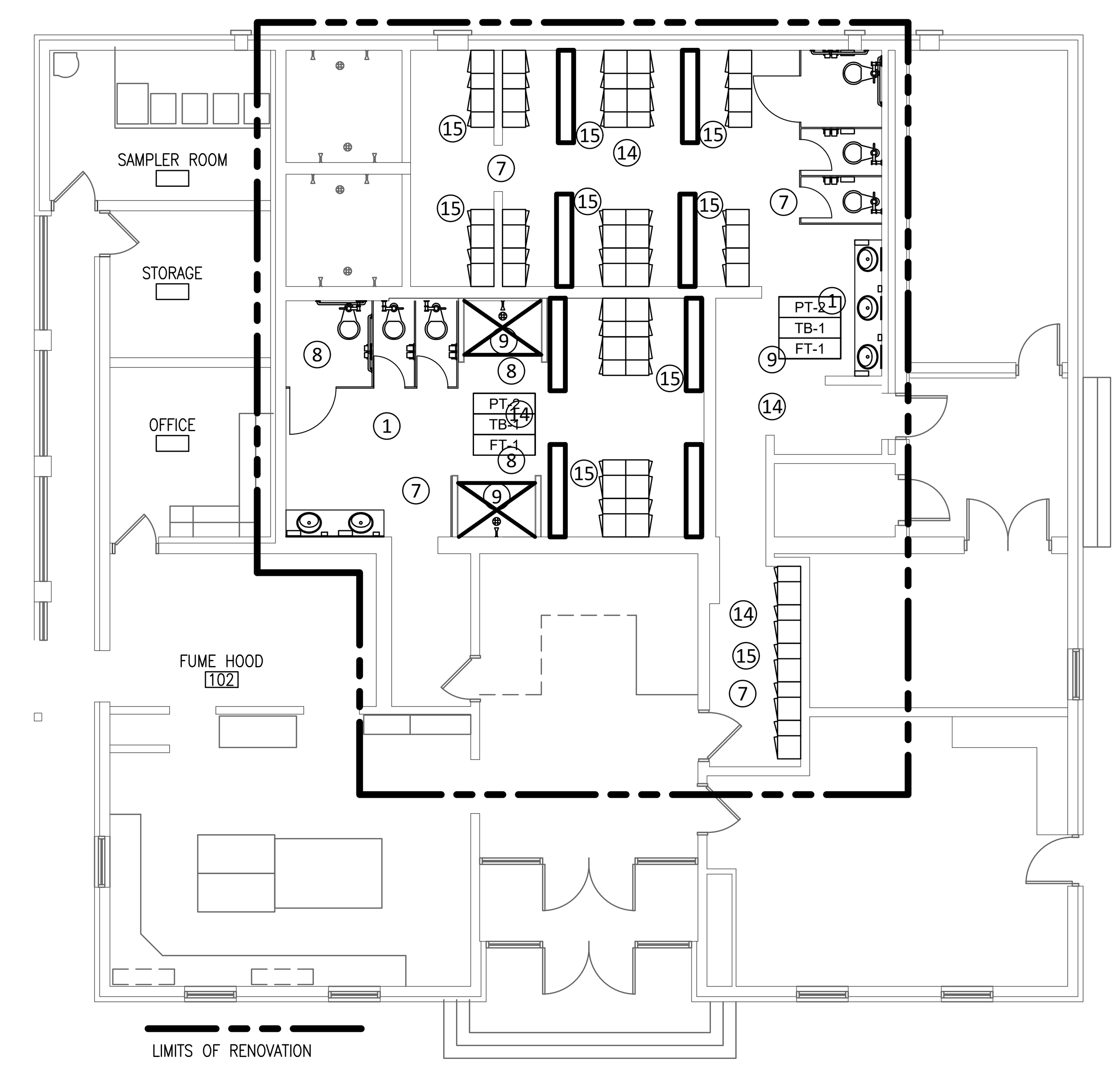
FINISH LEGEND

- WALL / BASE / FLOOR — FINISH SYMBOL
- ACCENT FINISH
- KEYED FINISH NOTES
- # SHEET — TRANSITION OF FLOOR MATERIAL



NORTH

01 SECOND FLOOR FINISH PLAN
Scale: 1/8"= 1'-0"



NORTH

02 GROUND FLOOR FINISH PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT — NOLANDA HATCHER NO. 4484 BIRMINGHAM, ALABAMA

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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK FIELD HOUSE

SHEET TITLE
FINISH PLANS, SCHEDULES, & NOTES

DRAWING NUMBER
A14.1

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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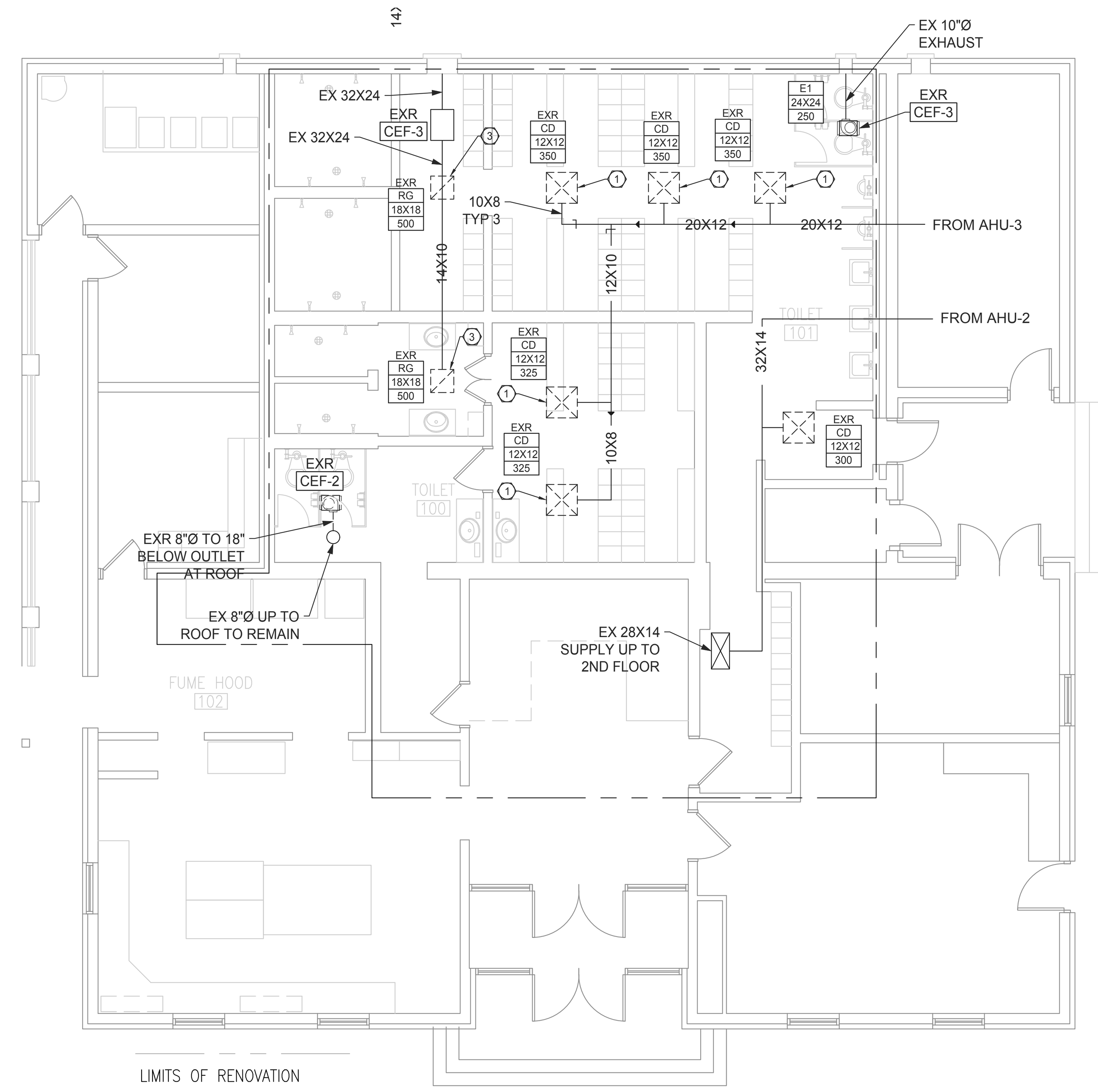
DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



7 DEMOLITION DUCTWORK PLAN - VILLAGE CREEK FIELD HOUSE
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE.
2. EXISTING EXHAUST FAN TO REMAIN.
3. DEMOLISH AND REMOVED EXISTING EXHAUST GRILLE, EXISTING 18X18 DUCTWORK TO REMAIN.

DEMOLITION PLAN NOTES:

1. DEMOLITION WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL REGULATIONS AND LOCAL CODE IN EFFECT ON THE INSTALLATION WHERE THE WORK TAKES PLACE.
2. ENSURE DEMOLITION WORK DOES NOT INTERFERE WITH FACILITY OPERATIONS. TAKE PRECAUTIONS TO ISOLATE DEMOLITIONS WORK FROM ADJACENT SPACES.
3. CONTRACTOR SHALL DISPOSE OF ALL DEMOLISHED MATERIALS ON A TIMELY BASIS. DEMOLISHED MATERIALS SHALL NOT BE ALLOWED TO ACCUMULATE IN THE WORK AREA. THE USE OF THE OWNER'S DUMPSTER IS PROHIBITED.
4. PRIOR TO THE START OF ANY DEMOLITION WORK NOTIFY THE OWNER'S REPRESENTATIVE OR FACILITY MANAGER OF ALL DEMOLITION WORK THAT MAY AFFECT OPERATING SYSTEMS.
5. COVER ALL SUPPLY AND RETURN OPENINGS DURING DEMOLITION AND NEW CONSTRUCTION WORK WITH TEMPORARY FILTER MEDIA TO ACHIEVE MERV 6 RATING. ENSURE SYSTEM OPERATES PROPERLY WITH TEMPORARY FILTER MEDIA IN PLACE. CHANGE TEMPORARY MEDIA DURING CONSTRUCTION WHEN FILTERS ARE VISIBLY DIRTY.

FAN SCHEDULE

MARK	SERVES	LOCATION	TYPE	CFM	E.S.P IN. W.G	LIMIT (SONES)	MOTOR HP (W)	MOTOR V/Ø/Hz	ACCESSORIES	INTERLOCK	BASIS OF DESIGN (GREENHECK)
EF-3	TOILET	CEILING	A	150	0.35	2.0	(83)	120/1/60	1	WALL SWITCH	SP-A250

TYPES

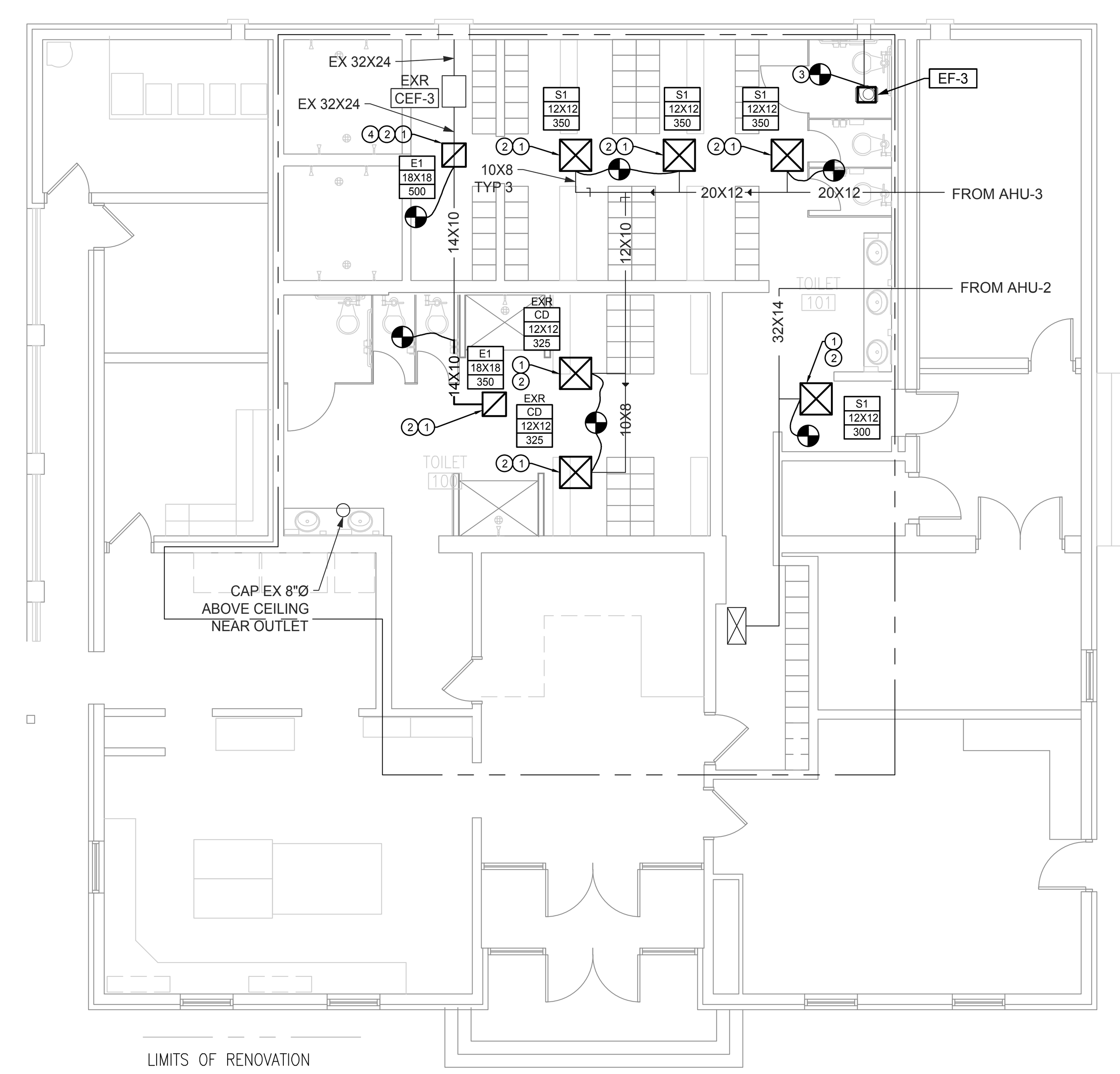
A CEILING MOUNTED EXHAUST FAN, DIRECT DRIVE

ACCESSORIES

1 PLASTIC CEILING GRILLE, BACKDRAFT DAMPER, FLEXIBLE CONNECTOR, SOLID STATE SPEED CONTROLLER, PRE-WIRED DISCONNECT, ENERGY STAR RATED

KEYED NOTES:

1. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
2. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.
3. CONNECT TO EXISTING EXHAUST DUCT, PROVIDE DUCT TRANSITION AS REQUIRED.
4. CONNECT NEW EXHAUST GRILLE TO EXISTING EXHAUST DUCTWORK.



7 HVAC DUCTWORK PLAN - VILLAGE CREEK FIELD HOUSE
1/8" = 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 16612 PROFESSIONAL ENGINEER LAWRENCE J. BOHANNON
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK FIELD HOUSE

SHEET TITLE
FLOOR PLAN HVAC DEMOLITION AND NEW WORK

DRAWING NUMBER
M14.0

PROJECT NUMBER
202123

BBG&S
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DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EX. CW, SAN, AND VENT PIPING BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
2. DISCONNECT AND REMOVE EXISTING URNINAL COMPLETE. REMOVE EX. CW, SAN, AND VENT PIPING BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EX. CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT UP. PATCH HOLES IN WALL, MAINTAIN ALL FIRE RATINGS.
4. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN AND SHOWER FITTINGS COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
5. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN COMPLETE. REMOVE EXISTING WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.

GENERAL DEMOLITION NOTES

A. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, REMOVE THE FIXTURE/EQUIPMENT, ROUGH-IN AND ALL PIPING BACK TO MAINS AND CAP. REMOVE ALL ABANDONED PIPING FROM SITE.

B. DO NOT ABANDON ANY PIPING IN WALLS, BELOW SLAB , ABOVE CEILING. ALL BRANCH PIPING SERVING FIXTURES BEING REMOVED SHALL BE TAKEN BACK TO ACTIVE MAINS AND CAPPED.

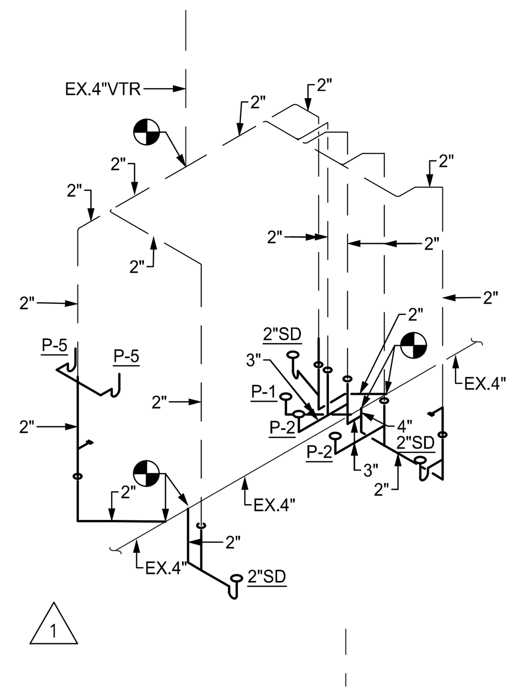
C. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

D. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

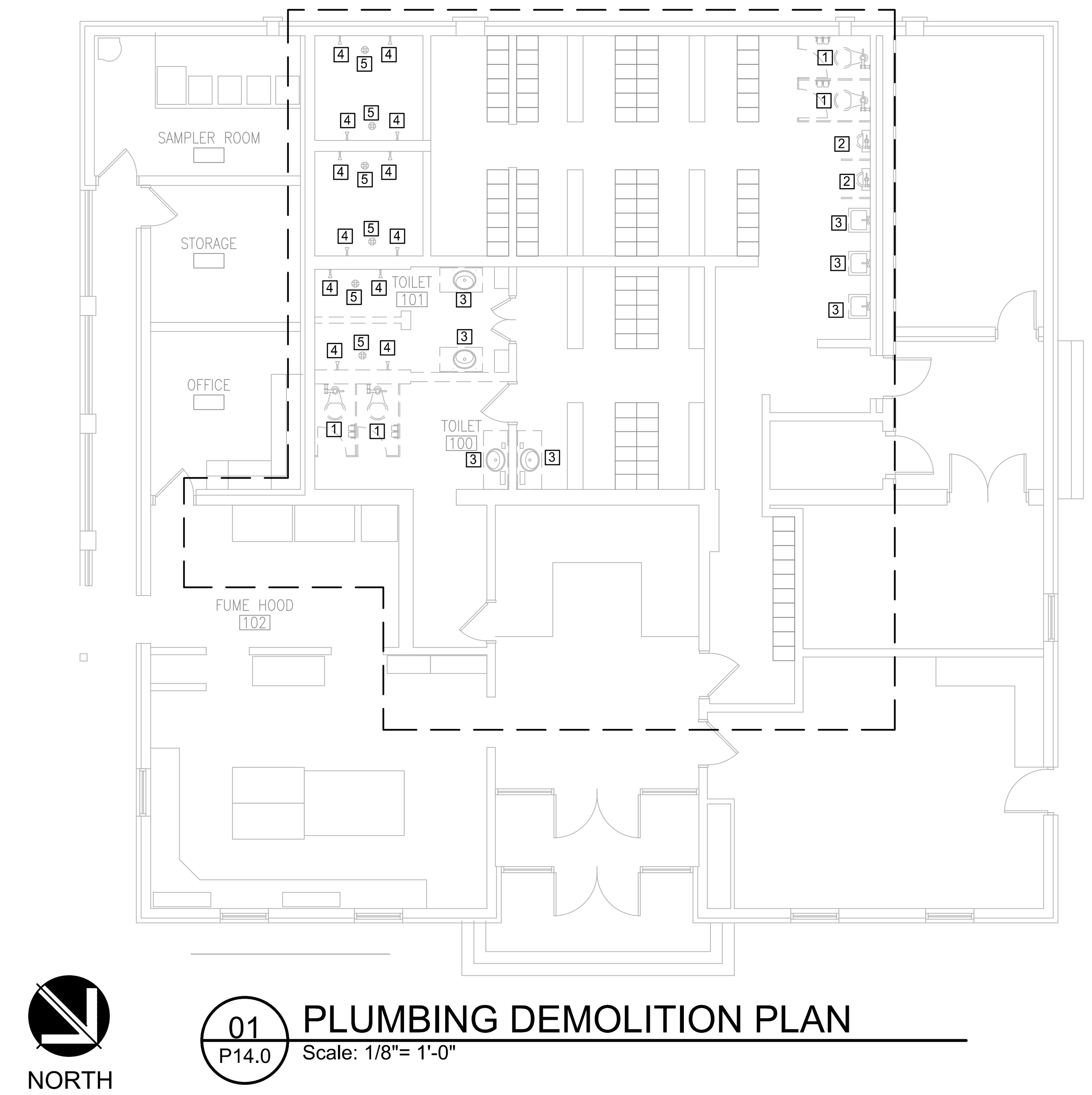
E. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

F. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

G. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.



04 P14.0 PLUMBING RISER DIAGRM
Scale:NTS



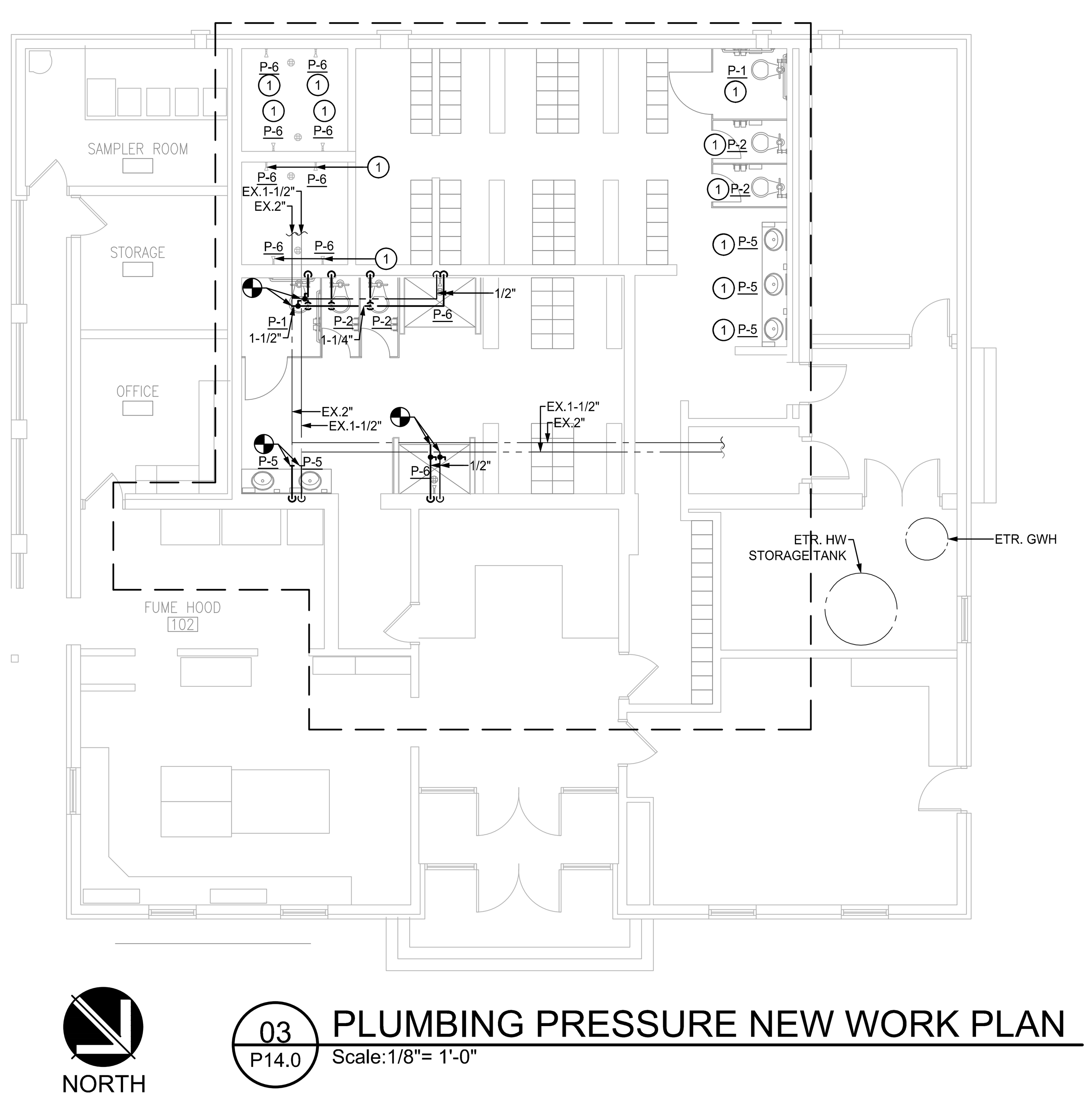
01 P14.0 PLUMBING DEMOLITION PLAN
Scale: 1/8"= 1'-0"

DRAWING NOTES

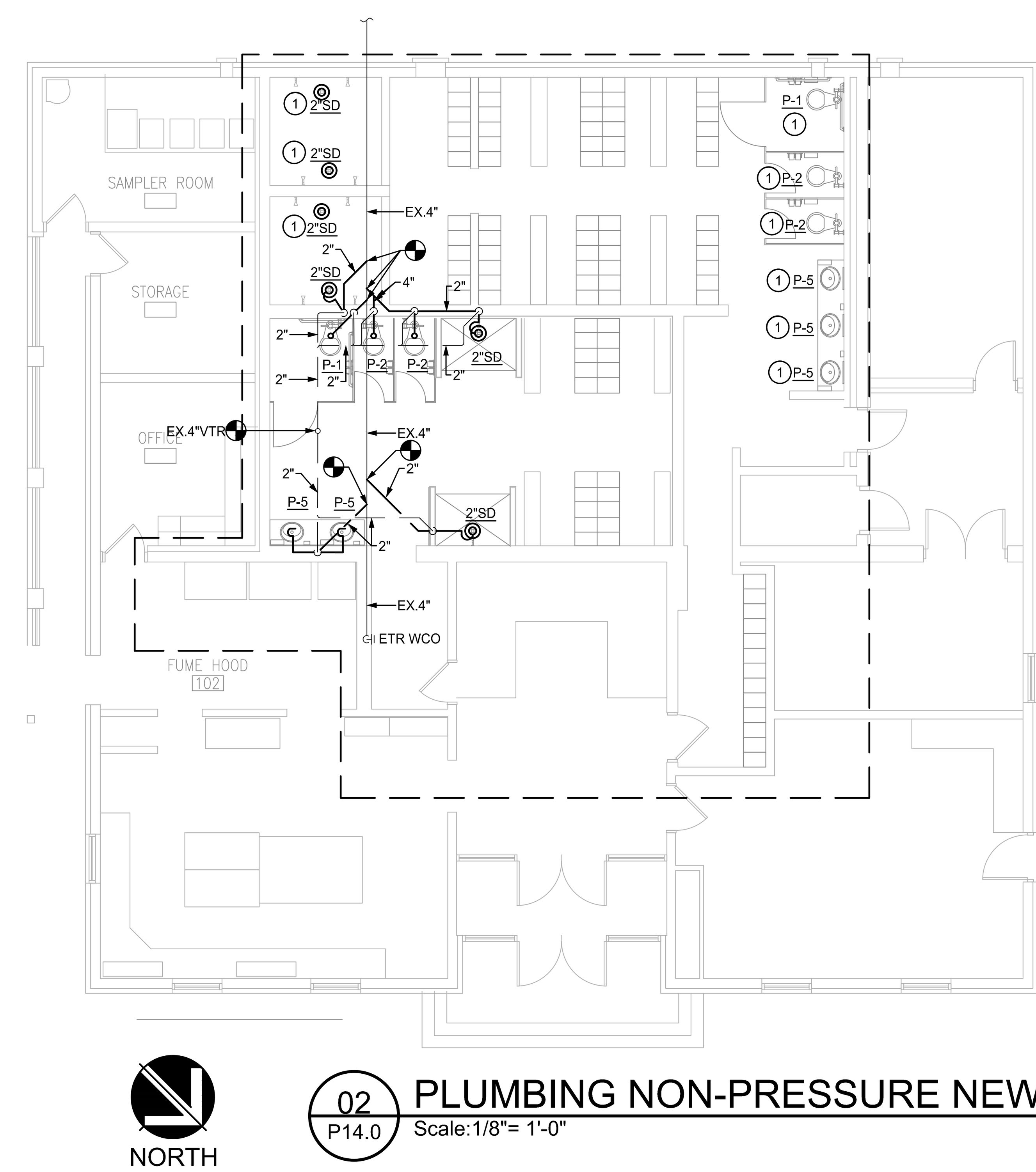
1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS



03 P14.0 PLUMBING PRESSURE NEW WORK PLAN
Scale:1/8"= 1'-0"

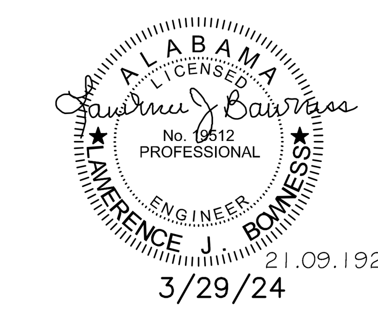


02 P14.0 PLUMBING NON-PRESSURE NEW WORK PLAN
Scale:1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK
FIELD HOUSE

SHEET TITLE
PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER
P14.0

PROJECT NUMBER
202123

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

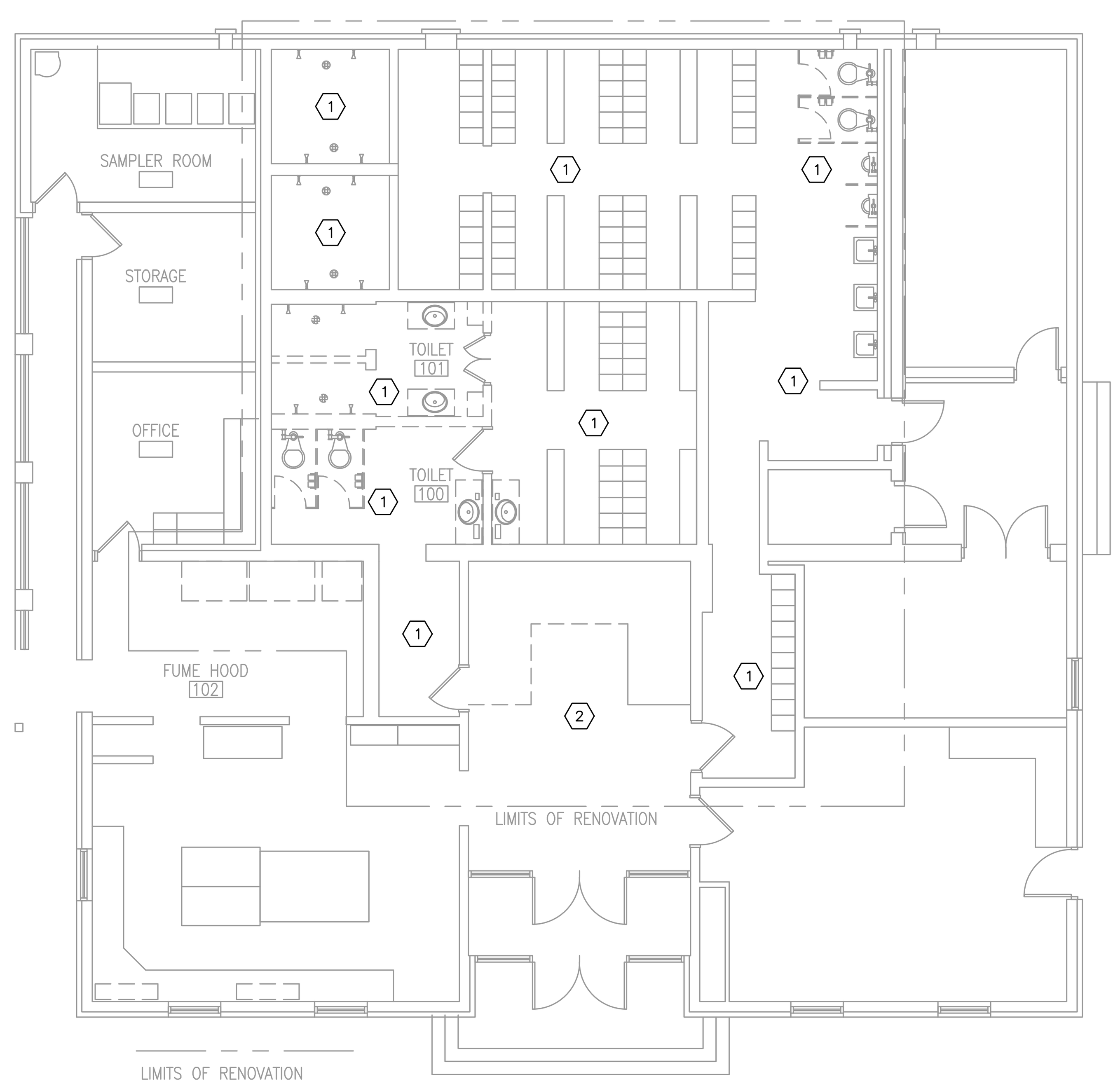
F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

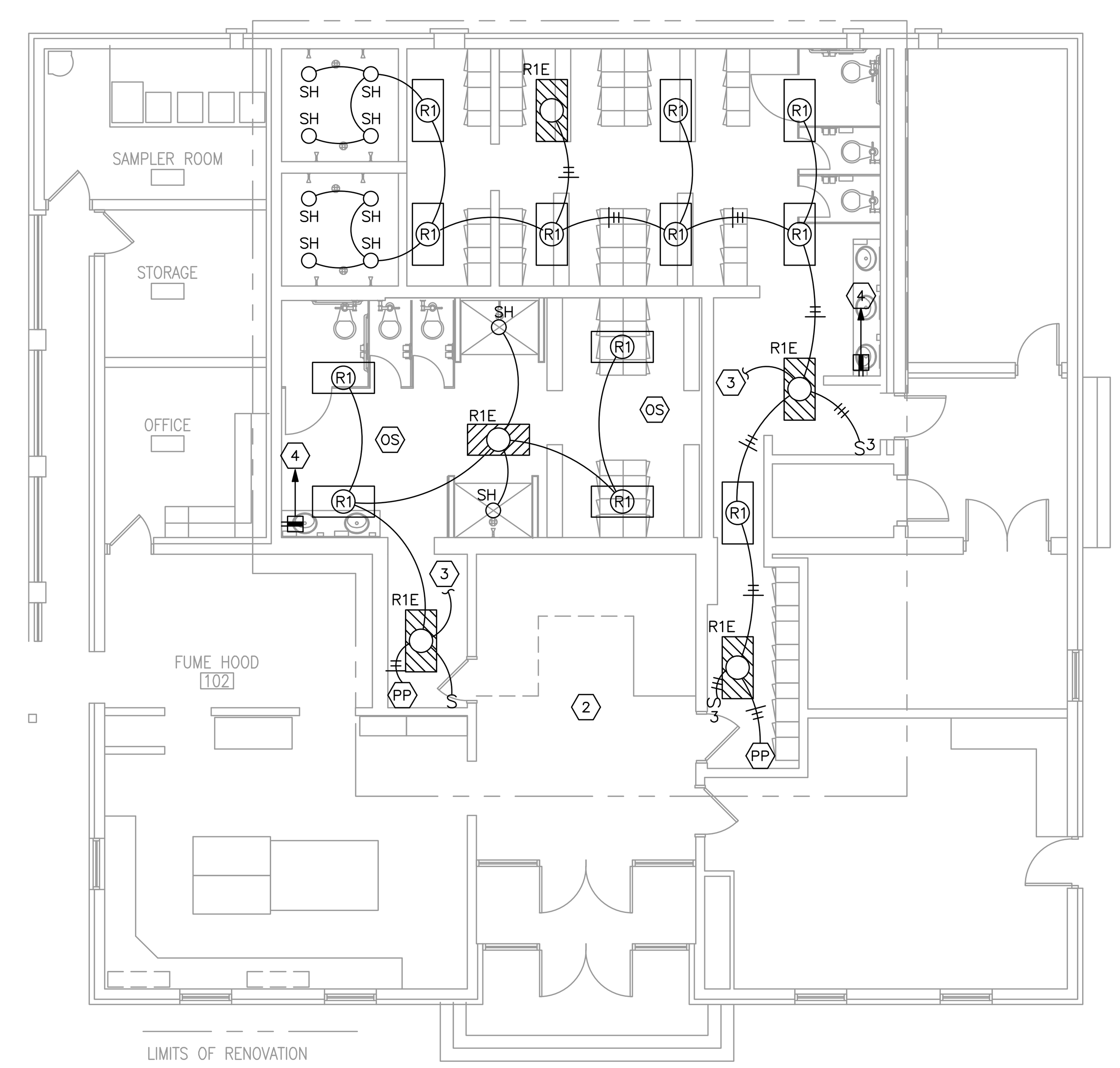
* PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS AREA TO BE REMOVED COMPLETE TO THE NEXT UPSTREAM DEVICE THAT IS TO REMAIN.
2. EXISTING LIGHTING IN THIS AREA TO REMAIN. PROTECT EXISTING LIGHTS, SWITCHING, AND WIRING AS REQUIRED.
3. CONNECT TO EXISTING LIGHTING CIRCUIT IN LOCKER ROOM WITH 2#12, 1#12G–3/4"C. REWORK SWITCHING AS SHOWN.
4. CONNECT TO NEW 20/1 BREAKER AT NEAREST 120/208 VOLT PANEL WITH 2#12, 1#12G–3/4"C. BREAKER TO BE MOUNTED IN AVAILABLE SPACE. MATCH MANUFACTURER AND AIC RATING OF PANEL.

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com
CCE No. 2252H05 Date: Apr 10, 2024
File: EP-14.dwg Time: 4:13:17 pm



FIRST FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH



FIRST FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

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DATE: 03/29/2024
DRAWN BY: JLB
REVIEWED BY: JLB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

LOCATION
VILLAGE CREEK
FIELD HOUSE

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E14.0

PROJECT NUMBER
202123

30% DESIGN REVIEW

KEYED NOTES
ONLY ITEMS KEYED ON THIS SHEET APPLY TO THIS BUILDING.

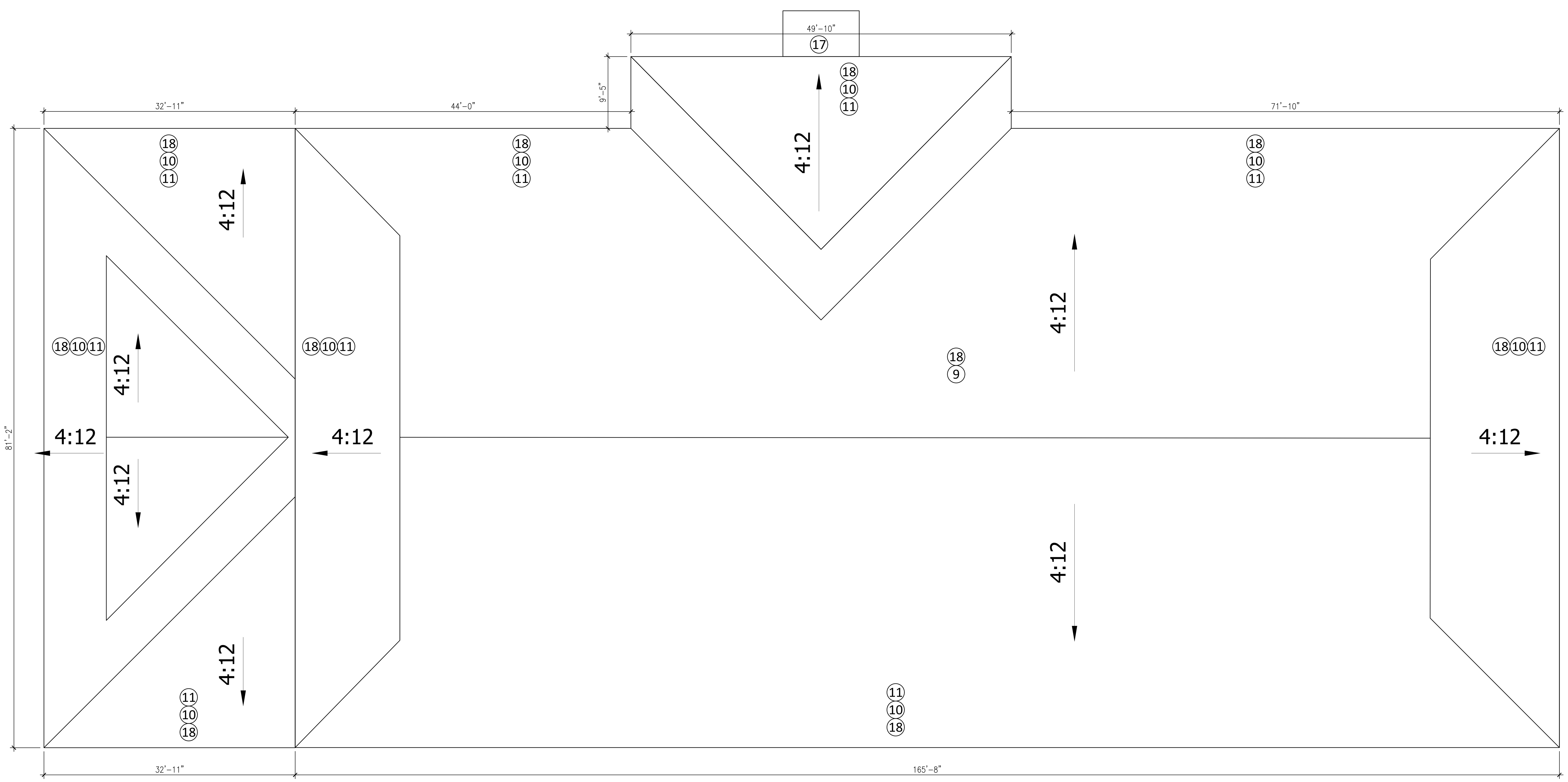
1. PROVIDE NEW METAL ROOF PANELS OVER 1 LAYER OF 30 LBS. FELT ON EXISTING ROOF DECKING. REPLACE ROOF DECKING WHERE NECESSARY.
2. PROVIDE NEW SELF-ADHERING MEMBRANE UNDERLAYMENT AT EAVES, RAKES, RIDGES, AND OTHER AREAS INDICATED, LAP FELT OVER UNDERLAYMENT.
3. NEW PREFINISHED GUTTERS
4. NEW PREFINISHED DOWNSPOUTS
5. NEW RIDGE CAP (TYPICAL AT STEEL STRUCTURE)
6. NEW RIDGE VENT (TYPICAL AT STEEL STRUCTURE)
7. NEW RAKE FASCIA AND FLASHING
8. EXISTING MECHANICAL EQUIPMENT TO REMAIN
9. NEW PIPE BOOT FLASHING AT ALL EXISTING PLUMBING VENTS
10. NEW SOFFITS
11. NEW SKIRT METAL AND DRIP EDGE
12. NEW INTAKE LOUVER AND EXHAUST FAN
13. NEW OVERHEAD DOORS w/ ELECTRIC OPERATORS
14. NEW INSULATION AT ROOF AND WALLS. NEW ROOF AND WALL PANELS
15. PAINT EXISTING STRUCTURE
16. NEW INTERIOR LINER PANELS AT LOWER PORTION OF WALLS
17. REMOVE EXISTING AWNING AND PROVIDE NEW AWNING
18. PROVIDE LIQUID APPLIED COATING OR SHEET GUTTER LINER AT PERIMETER BUILT-IN GUTTER

ROOFING DEMOLITION GENERAL NOTES
NOTES ARE GENERIC - NOT EVERY NOTE APPLIES TO EVERY SHEET. SEE CHECKLIST FOR INDIVIDUAL ROOFING SCOPES.

A. LOCATE DUMPSTERS ADJACENT TO BUILDING WHERE ROOFING IS BEING DEMOLISHED IN AREA APPROVED BY OWNER'S REPRESENTATIVE. REMOVE FILLED DUMPSTERS WITHIN 24 HOURS AFTER THEY ARE FILLED TO CAPACITY.
B. PLACE DEMOLISHED MATERIALS IN DUMPSTERS, NO MATERIALS ARE TO BE STOCKPILED ON THE GROUND.
C. RAKE OR SWEEP AREAS AROUND THE BUILDING WHERE ROOFING IS DEMOLISHED ON A DAILY BASIS.
D. DEMOLISH EXISTING SHINGLES/METAL PANELS, MEMBRANE UNDERLAYMENT, AND FELTS DOWN TO EXISTING DECKING.
E. MARK AREAS OF DETERIORATED DECKING AND REVIEW WITH ARCHITECT FOR REPLACEMENT WITH DECKING UNDER UNIT COST ALLOWANCE.
F. DEMOLISH EXISTING EAVE AND RAKE FLASHING, SOFFIT PANELS, AND FASCIA TO EXPOSE EXISTING ROOF JOIST OUTRIGGERS.
G. REPLACE DAMAGED FRAMING AT RAKES AND EAVES UNDER UNIT COST ALLOWANCE.

CHECKLIST
CHECK MARK DENOTES ITEMS TO BE PROVIDED FOR THIS BUILDING.
GC SHALL INSPECT EACH ITEM IN THE FIELD AND ADVISE THE ARCHITECT IF A CHANGE IN THE SCOPE OF WORK IS RECOMMENDED.

- ☐ NEW GUTTERS AND FLASHING
- ☐ NEW FASCIA AT GUTTERS
- ☐ NEW DOWNSPOUTS
- ☑ NEW SOFFITS
- ☐ NEW RAKE FASCIA
- ☐ NEW RIDGE CAP
- ☐ NEW RIDGE VENT
- ☐ NEW SEALANT AND CAULK AT DOORS AND WINDOWS
- ☐ PAINT HOLLOW METAL DOORS AND FRAMES (INSIDE AND OUT OF EXTERIOR DOORS)
- ☐ PAINT BOLLARDS
- ☐ PAINT ROLL-UP DOOR FRAMES
- ☑ PROVIDE SPRAY OR SHEET GUTTER LINER AT ALL INTERIOR ROOF GUTTERS
- ☑ PROVIDE NEW SKIRT METAL AND DRIP EDGE



NORTH

01 ROOF PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

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STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

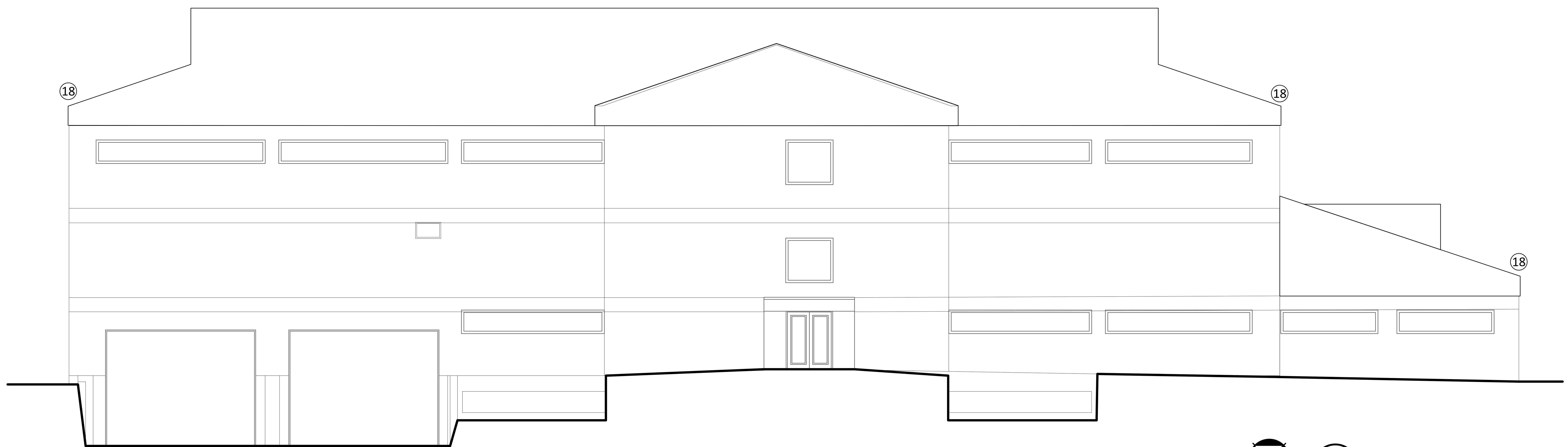
NO	DATE	Description

LOCATION
VILLAGE CREEK DEWATERING BUILDING

SHEET TITLE
ROOF PLAN & DETAILS

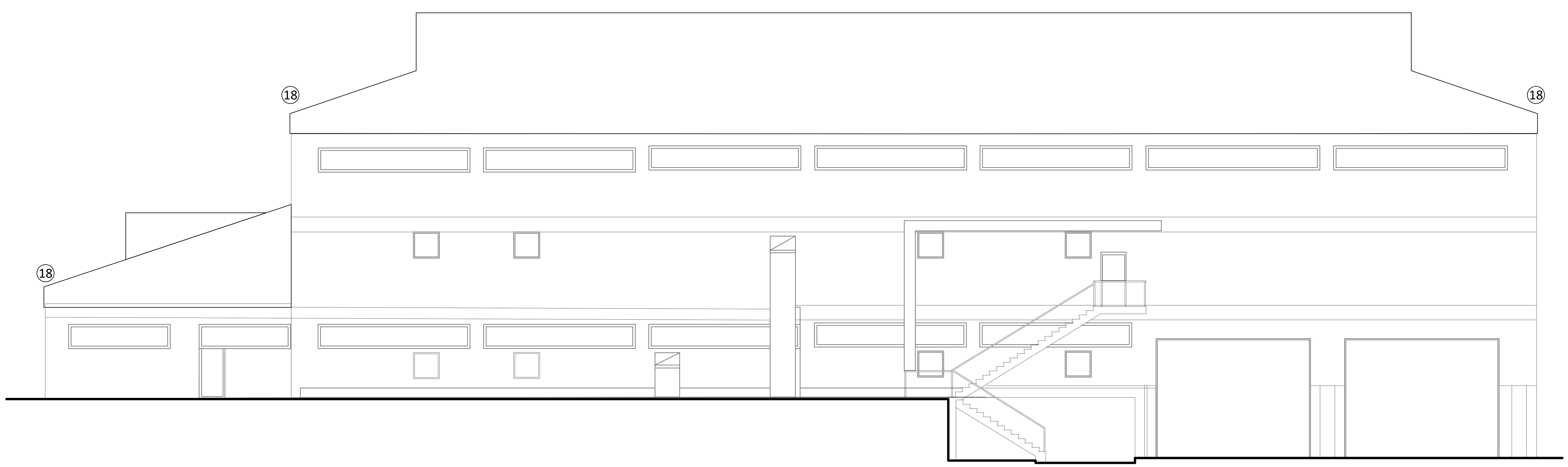
DRAWING NUMBER
A15.0

PROJECT NUMBER
202123



NORTH

02 ROOF PLAN
Scale: 1/8"= 1'-0"



NORTH

01 ROOF PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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REVISIONS

NO	DATE	Description

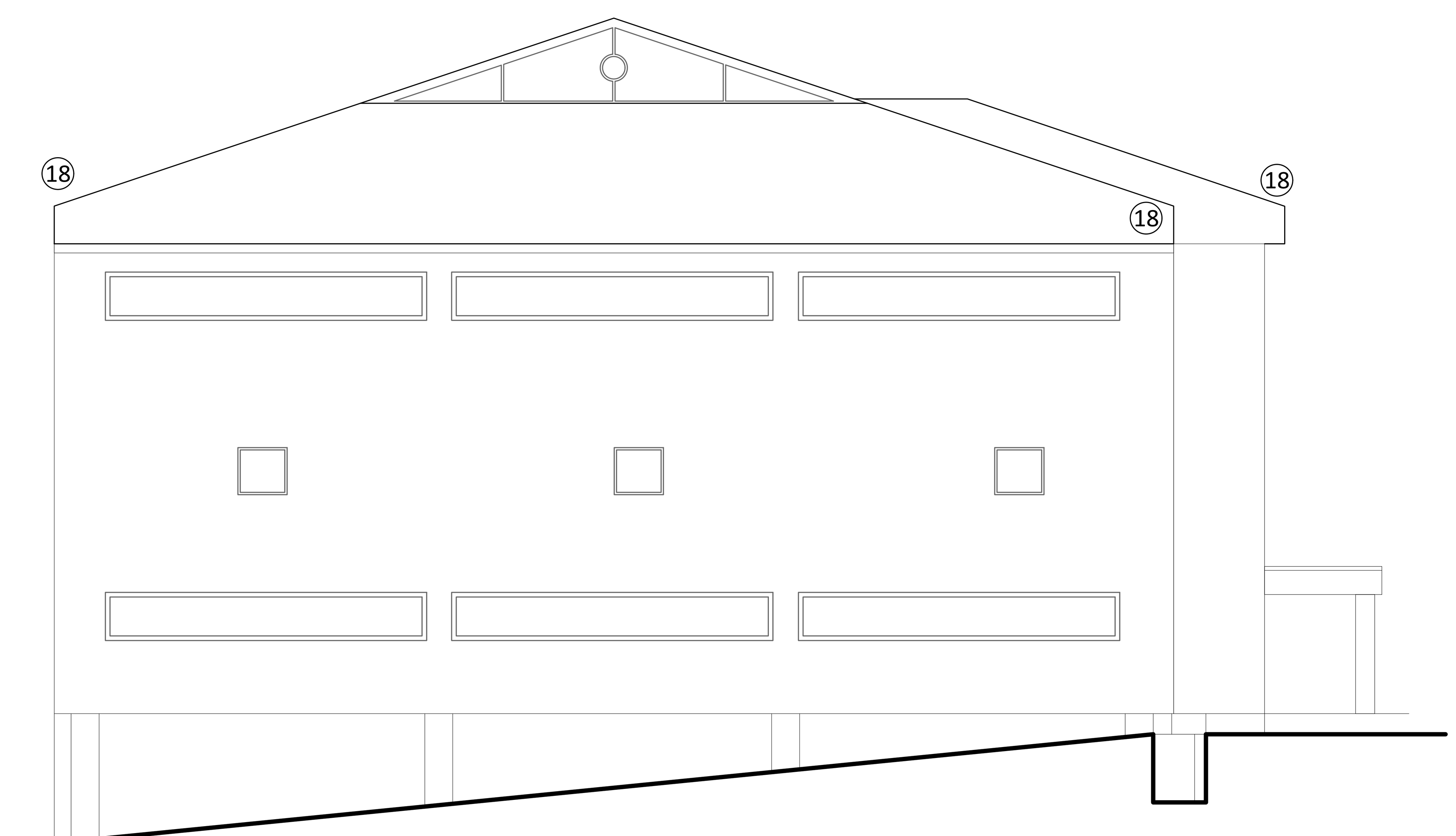
JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK DEWATERING BUILDING

SHEET TITLE
EXTERIOR ELEVATIONS

DRAWING NUMBER
A15.1

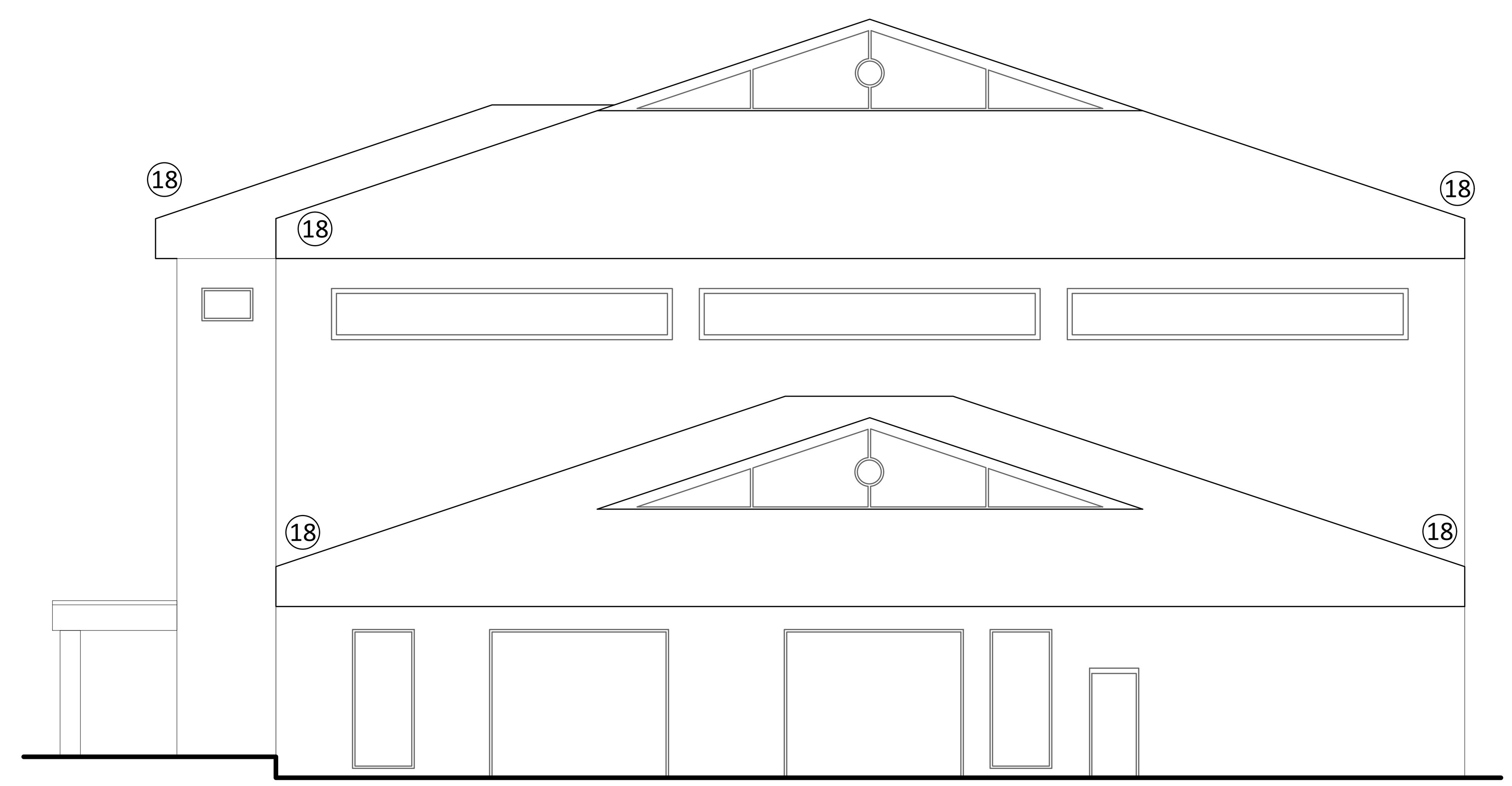
PROJECT NUMBER
202123



NORTH

02

EXTERIOR ELEVATIONS
Scale: 1/8"= 1'-0"



NORTH

01

EXTERIOR ELEVATIONS
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

1440 PLEASANT HILL ROAD
BIRMINGHAM, AL 35214

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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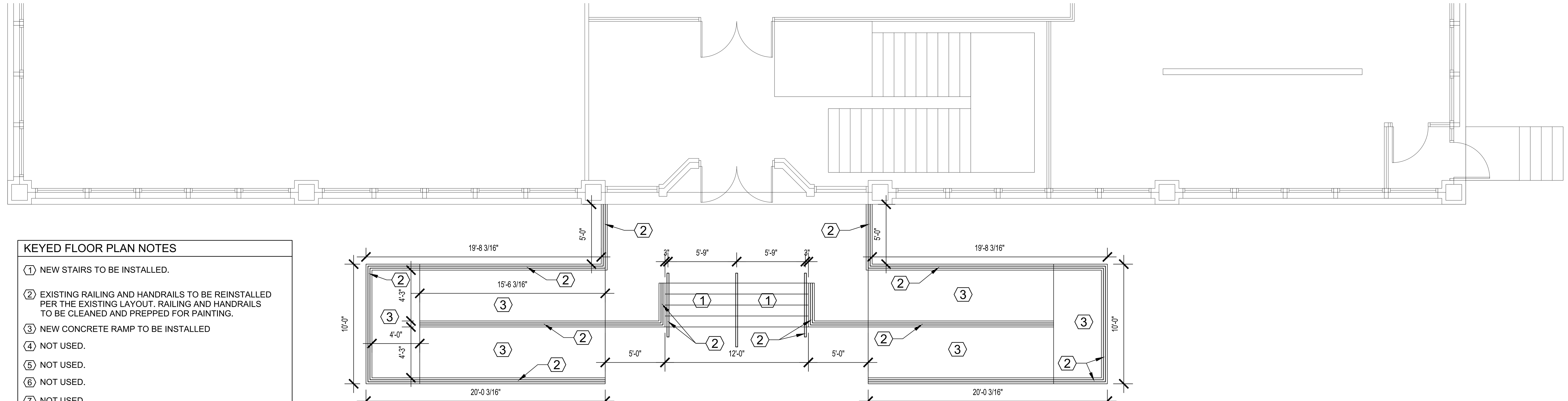
NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK DEWATERING BUILDING
SHEET TITLE
EXTERIOR ELEVATIONS

DRAWING NUMBER
A15.2
PROJECT NUMBER
202123

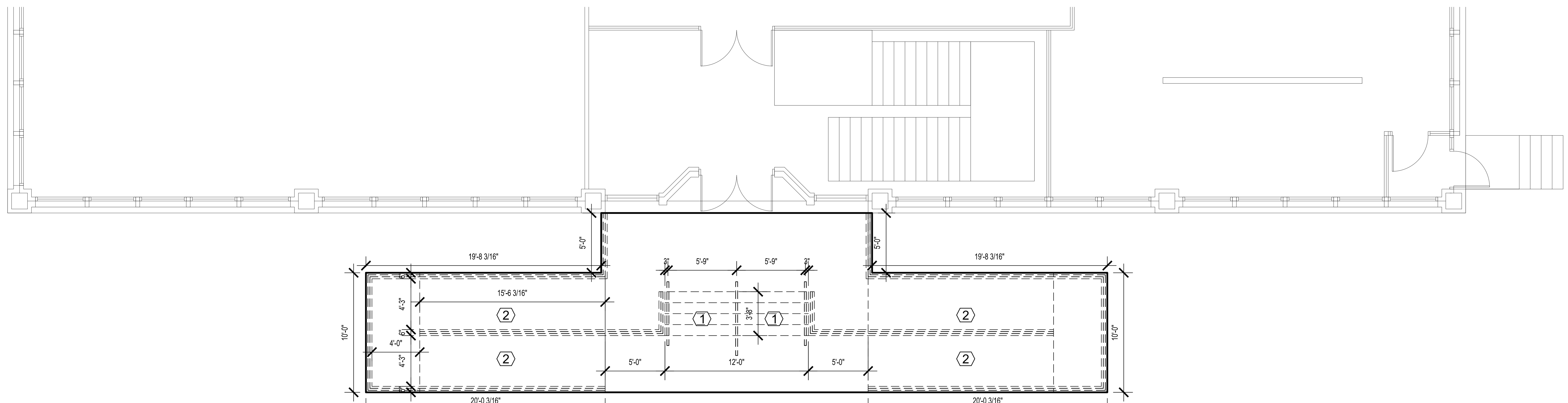


NOTE: ALL DIMENSIONS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED.

KEYED FLOOR PLAN NOTES

1. NEW STAIRS TO BE INSTALLED.
2. EXISTING RAILING AND HANDRAILS TO BE REINSTALLED PER THE EXISTING LAYOUT. RAILING AND HANDRAILS TO BE CLEANED AND PREPPED FOR PAINTING.
3. NEW CONCRETE RAMP TO BE INSTALLED
4. NOT USED.
5. NOT USED.
6. NOT USED.
7. NOT USED.
8. NOT USED.

01 FLOOR PLAN
Scale: 0'-3/16" = 1'-0"



NOTE: ALL DIMENSIONS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED.

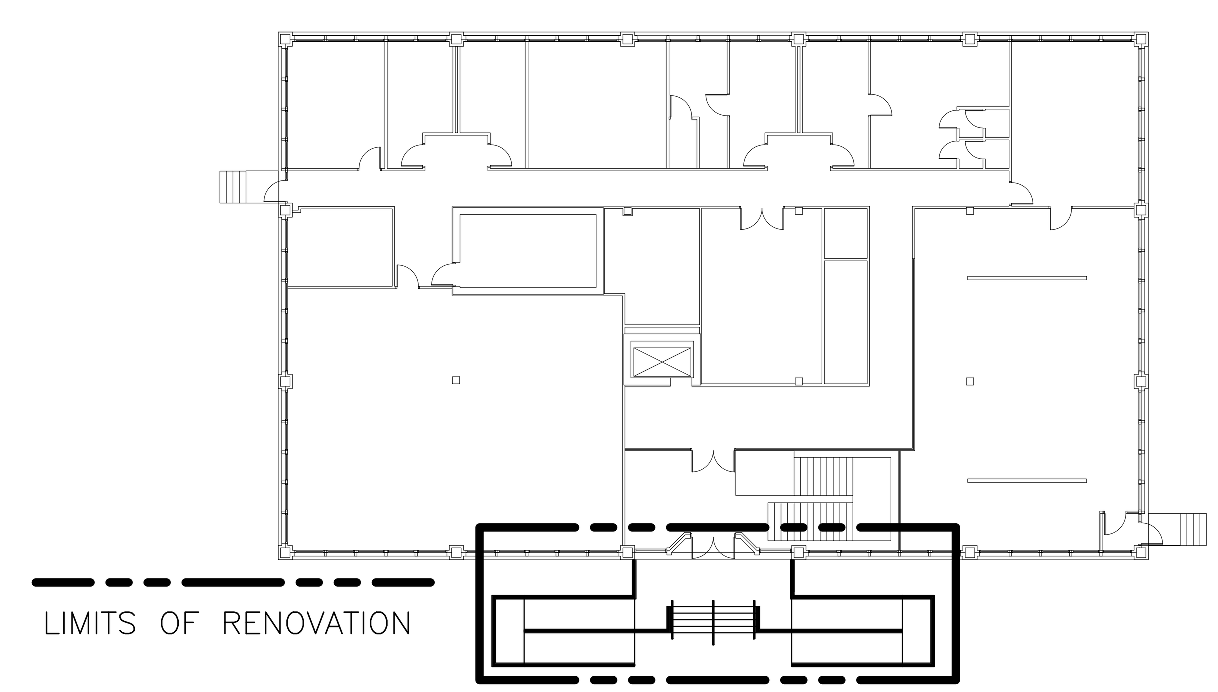
01 DEMO FLOOR PLAN
Scale: 0'-3/16" = 1'-0"

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
3. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
4. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
5. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
6. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
7. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
8. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.

KEYED DEMOLITION NOTES

1. EXISTING STAIRS TO BE REMOVED.
2. EXISTING RAMP TO BE REMOVED.
3. EXISTING RAILING AND HANDRAILS TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION.
4. NOT USED.
5. NOT USED.
6. NOT USED.



PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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REVISIONS

NO	DATE	Description

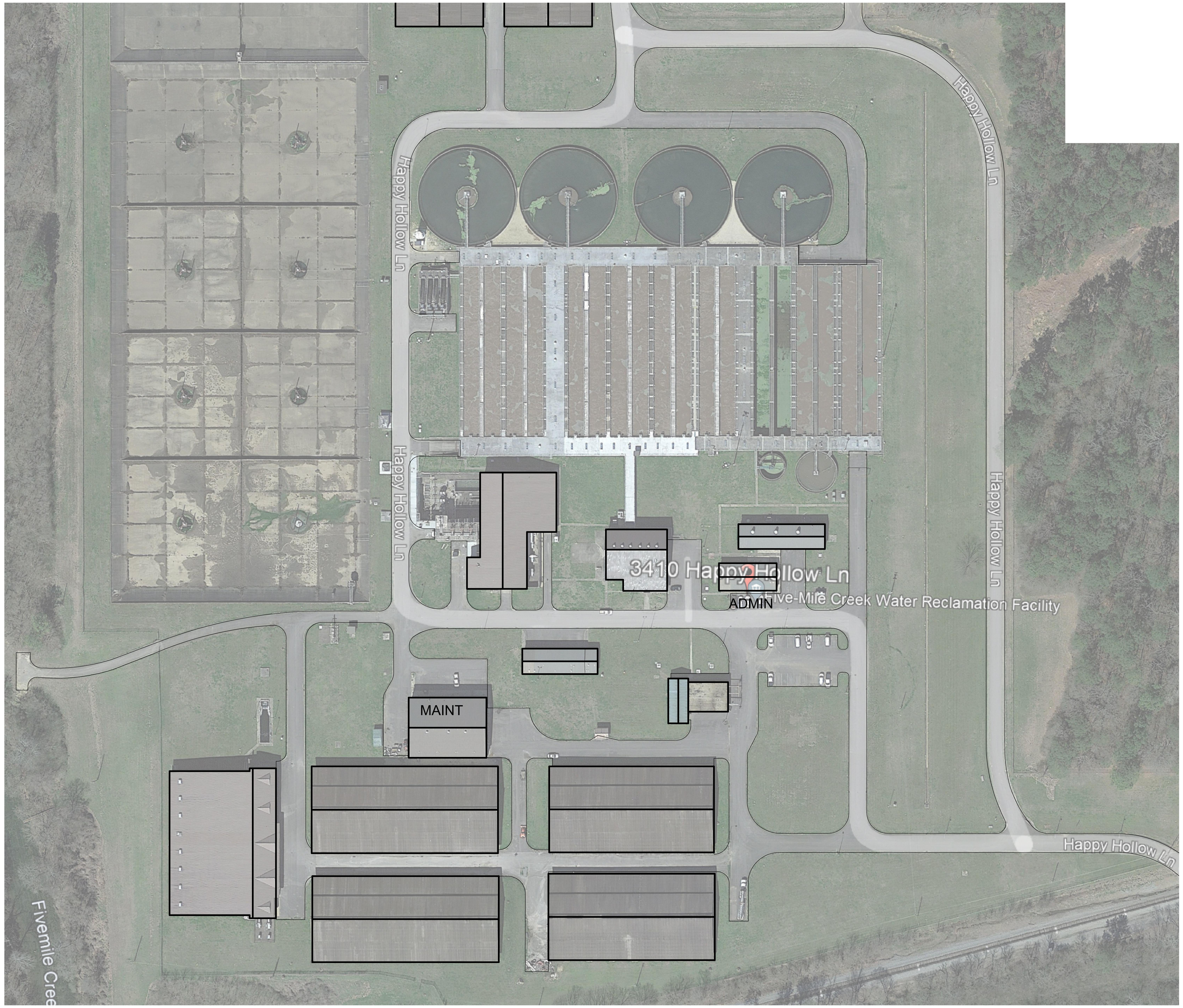
JEFFERSON COUNTY ALABAMA

LOCATION
VILLAGE CREEK ADMINISTRATION BUILDING

SHEET TITLE
DEMOLITION AND FLOOR PLANS

DRAWING NUMBER
A16.0

PROJECT NUMBER
202123



NORTH

01

FIVE MILE SITE PLAN

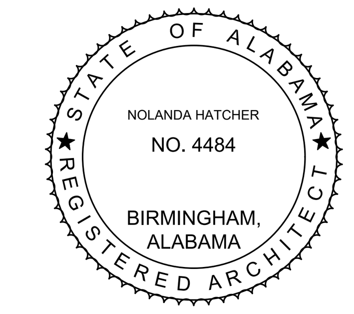
Scale: 0'-1/64"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL



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DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

LOCATION
FIVE MILE

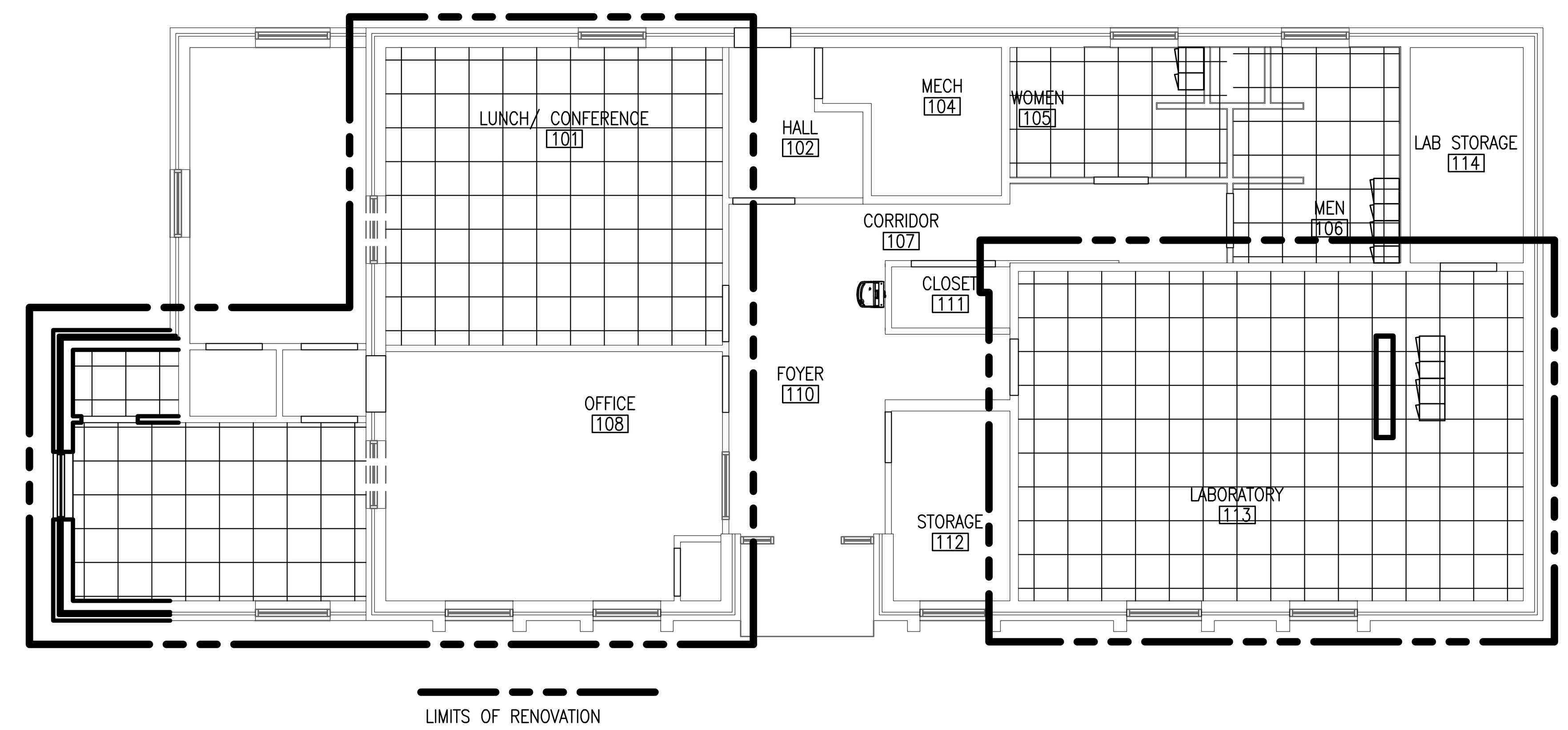
SHEET TITLE
SITE PLAN

DRAWING NUMBER
A17.0

PROJECT NUMBER
202123

RCP LEGEND

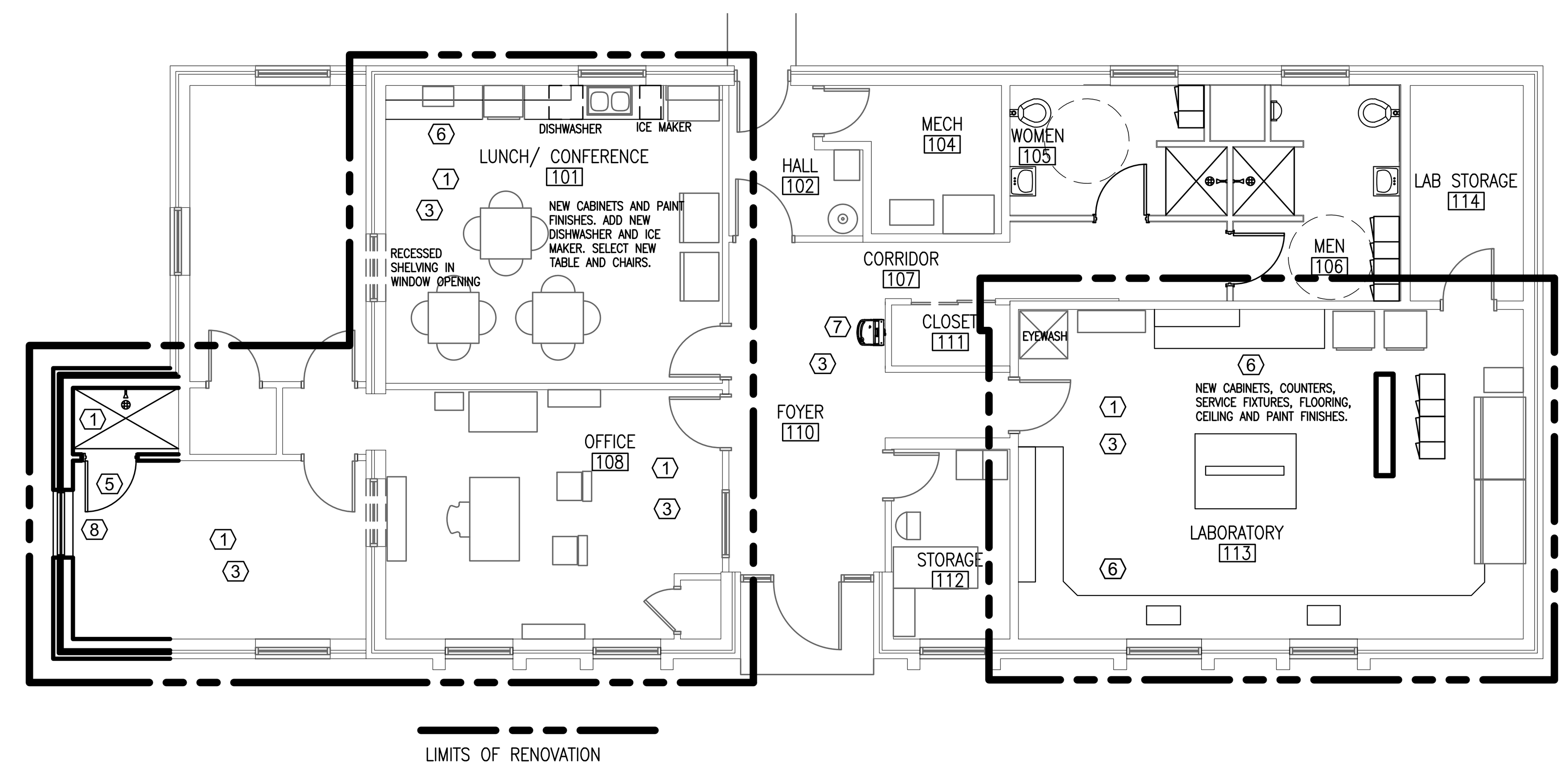
- NEW 2X2 LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- NEW 2X2 VINYL-COVERED LAY-IN ACOUSTICAL CEILING AND GRID SYSTEM
- GYP BD SOFFIT: ⅝" GYP BD ON 3⅝" METAL FRAMING
- NEW 2X4 LIGHT FIXTURE
- NEW EXIT LIGHT
- NEW SUPPLY GRILLE
- NEW RETURN GRILLE
- NEW EXHAUST GRILLE
- 8'-6" CEILING HEIGHT ABOVE FINISH FLOOR



03 REFLECTED CEILING PLAN
Scale: 1/8"= 1'-0"

KEYED FLOOR PLAN NOTES

1. NEW CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES.
2. NEW PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE.
3. NEW TILE BASE AND FLOORING. ALL NEW FLOOR TILE SHALL BE APPLIED TO A CLEAN AND SMOOTH CONCRETE SLAB.
4. NEW LOCKERS AND BENCHES.
5. NEW DOOR AND FRAME.
6. NEW VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE).
7. NEW WATER COOLER.
8. EXISTING WINDOW TO BE REINSTALLED.



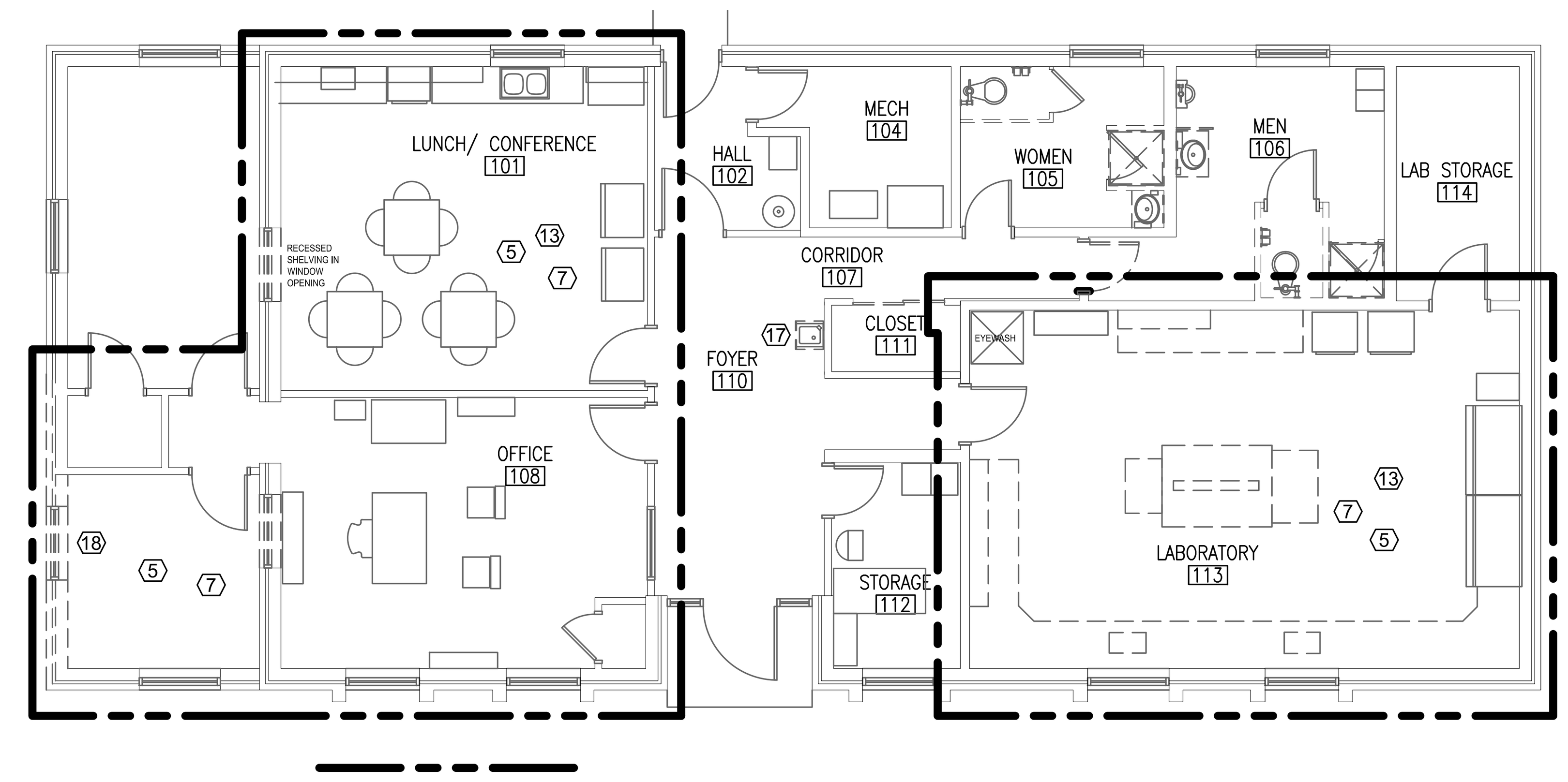
02 NEW FLOOR PLAN
Scale: 1/8"= 1'-0"

KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR INSTALLATION OF NEW FLOORING.
8. EXISTING LOCKERS AND BENCHES TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
17. EXISTING WATER COOLER TO BE REMOVED.
18. EXISTING WINDOW TO BE REMOVED AND STORED FOR REINSTALLATION.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



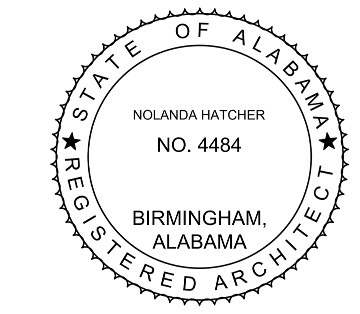
01 DEMOLITION FLOOR PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL



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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

LOCATION
FIVE MILE
ADMINISTRATION BUILDING

SHEET TITLE
DEMOLITION, NEW FLOOR PLAN & REFLECTED CEILING PLAN

DRAWING NUMBER
A18.0

PROJECT NUMBER
202123

TOILET ACCESSORY SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

BREAK ROOM APPLIANCE SCHEDULE

ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT

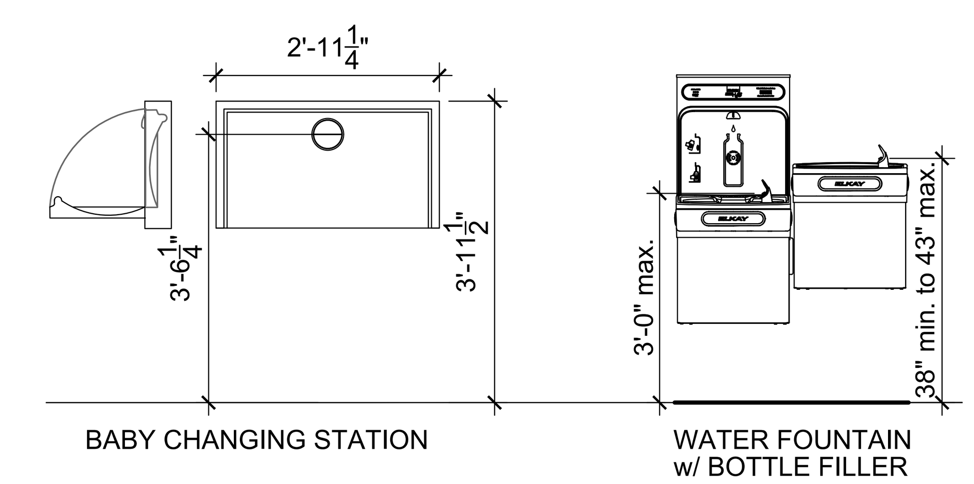
NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.

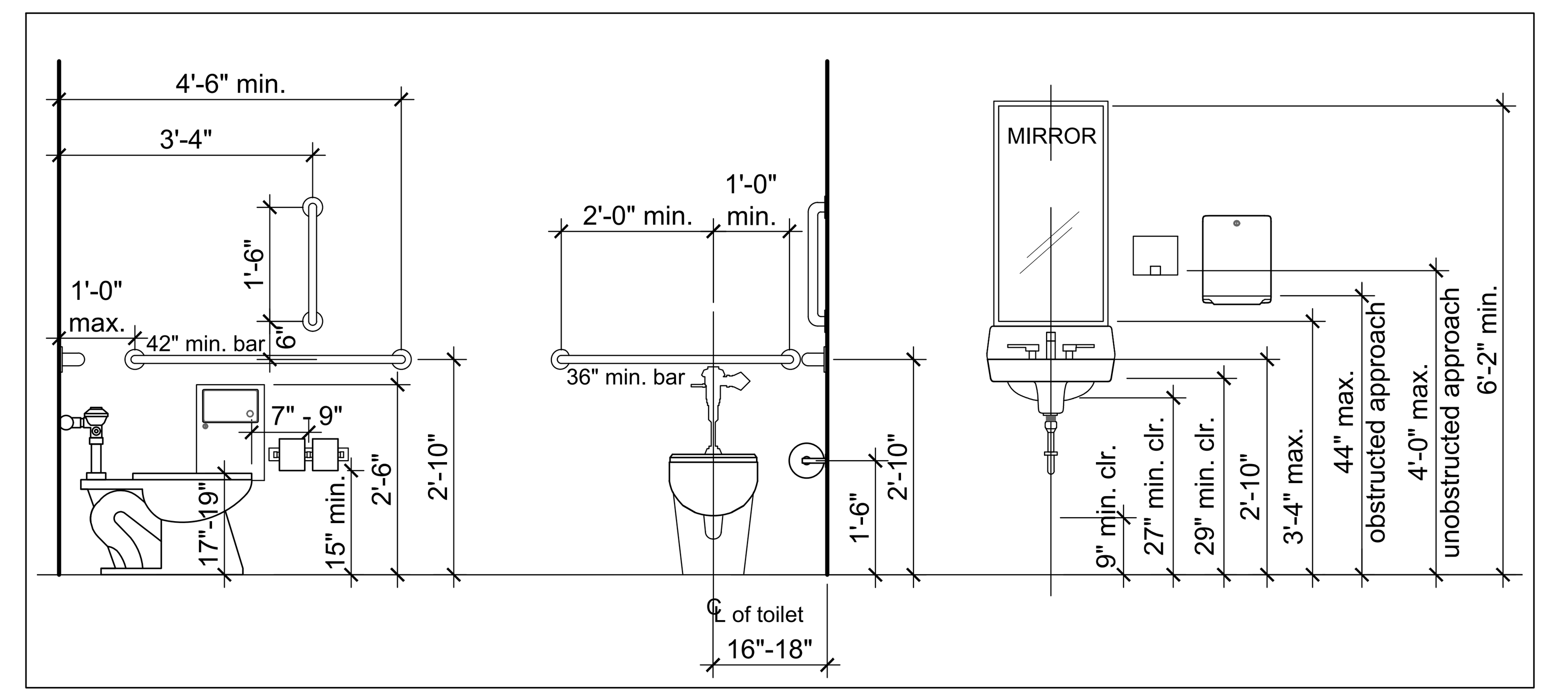
GENERAL NOTES - FINISH PLAN:

1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	NOT USED
WT-1	WALL TILE (FIELD TILE)	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET
WT-3	WALL TILE	MATCH EXISTING	MATCH EXISTING SIZE, STYLE, COLOR AND TEXTURE
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
QB-1	QUARRY TILE BASE	DALTILE	MATCH EXISTING STYLE, COLOR AND TEXTURE
FLOOR			
FT-1	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 24X24, 1/8" GROUT JOINT
FT-2	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET, 1/8" GROUT JOINT
FT-3	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
SC	SEALED CONCRETE		SEALER FOR EXISTING CONCRETE FLOOR
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	BRADMAR 1" THICK SOLID PLASTIC PARTITION, COLOR TO BE SELECTED
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC12 SQ (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC58 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	QUADEC 110 EB (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-4	METAL TRIM FOR CERAMIC WALL TILES	CERAMIC TOOL COMPANY	CTC716 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM





FINISH LEGEND

WALL
BASE FINISH SYMBOL
FLOOR

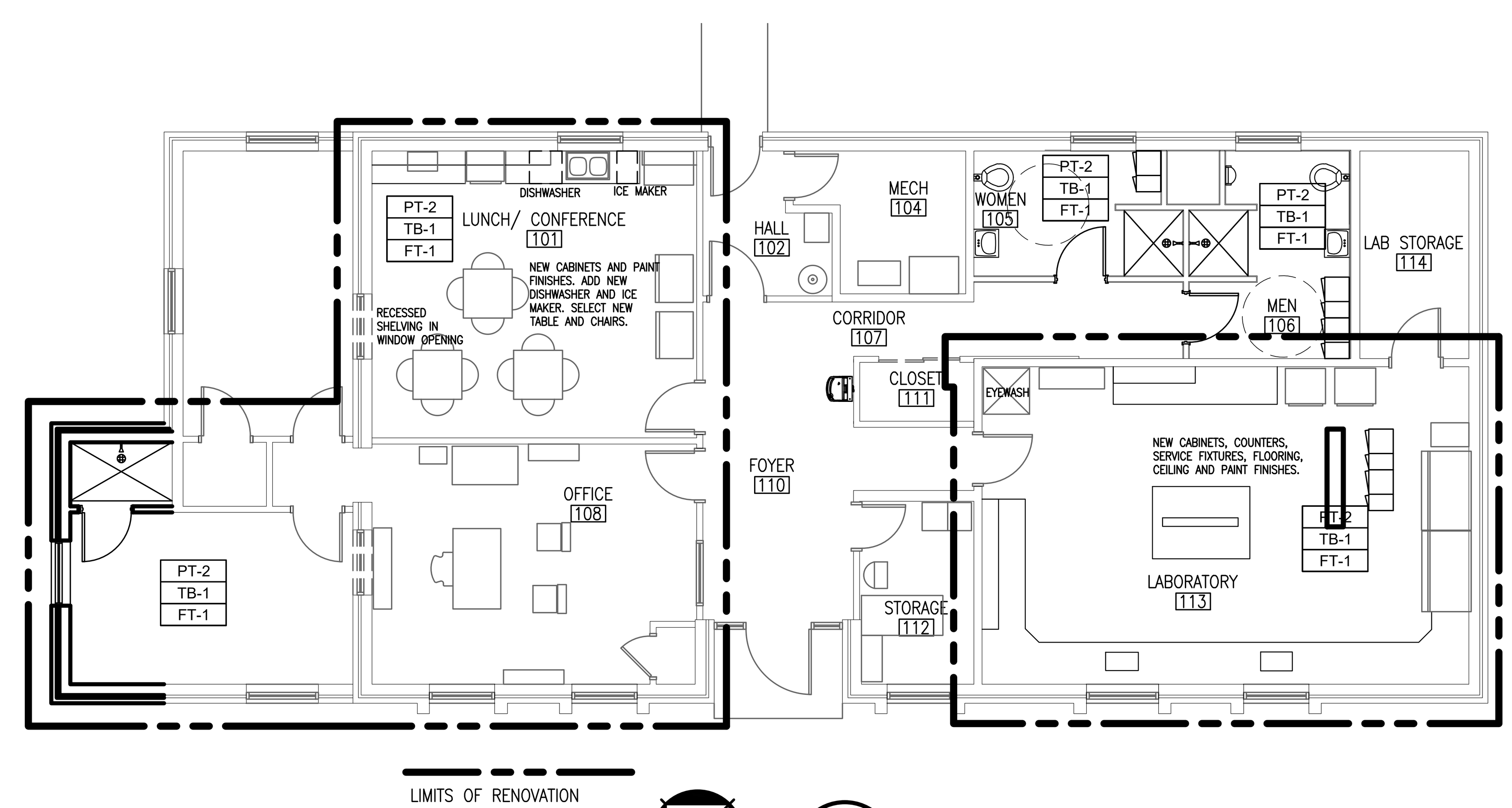
ACCENT FINISH

KEYED FINISH NOTES

TRANSITION OF FLOOR MATERIAL

KEYED NOTES - FINISH PLAN:

1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "UCB-1" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.
3. INSTALL URETHANE FLOORING WITH #90 GRIT SILICA (STONHARD'S TEXTURE #2) IN SHOWER FLOOR ONLY, SEE SPEC.
4. INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY MANUFACTURER'S FULL RANGE.
5. REPLACE DAMAGED FLOOR TILES WITH NEW AS REQUIRED.



01 FINISH PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION □

DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
FIVE MILE
ADMINISTRATION BUILDING

SHEET TITLE
FINISH PLAN, SCHEDULES, & NOTES

DRAWING NUMBER
A18.1

PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
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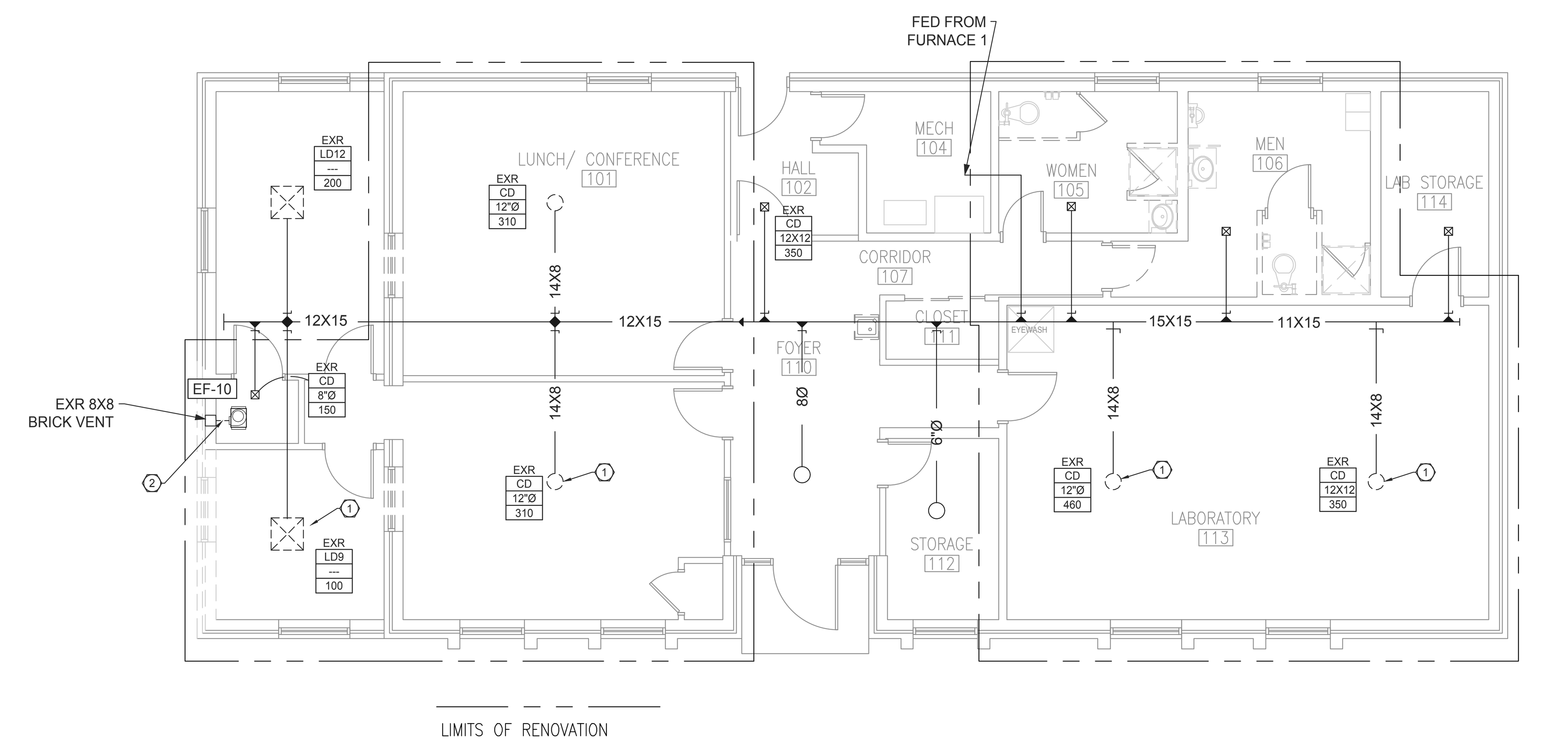
DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



DEMOLITON HVAC DUCTWORK PLAN - ADMINISTRATION BUILDING
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE. REMOVE FLEX DUCT AND REPLACE
2. DEMOLISH AND REMOVE EXISTING EXHAUST DUCT BACK TO EF-10.

FAN SCHEDULE

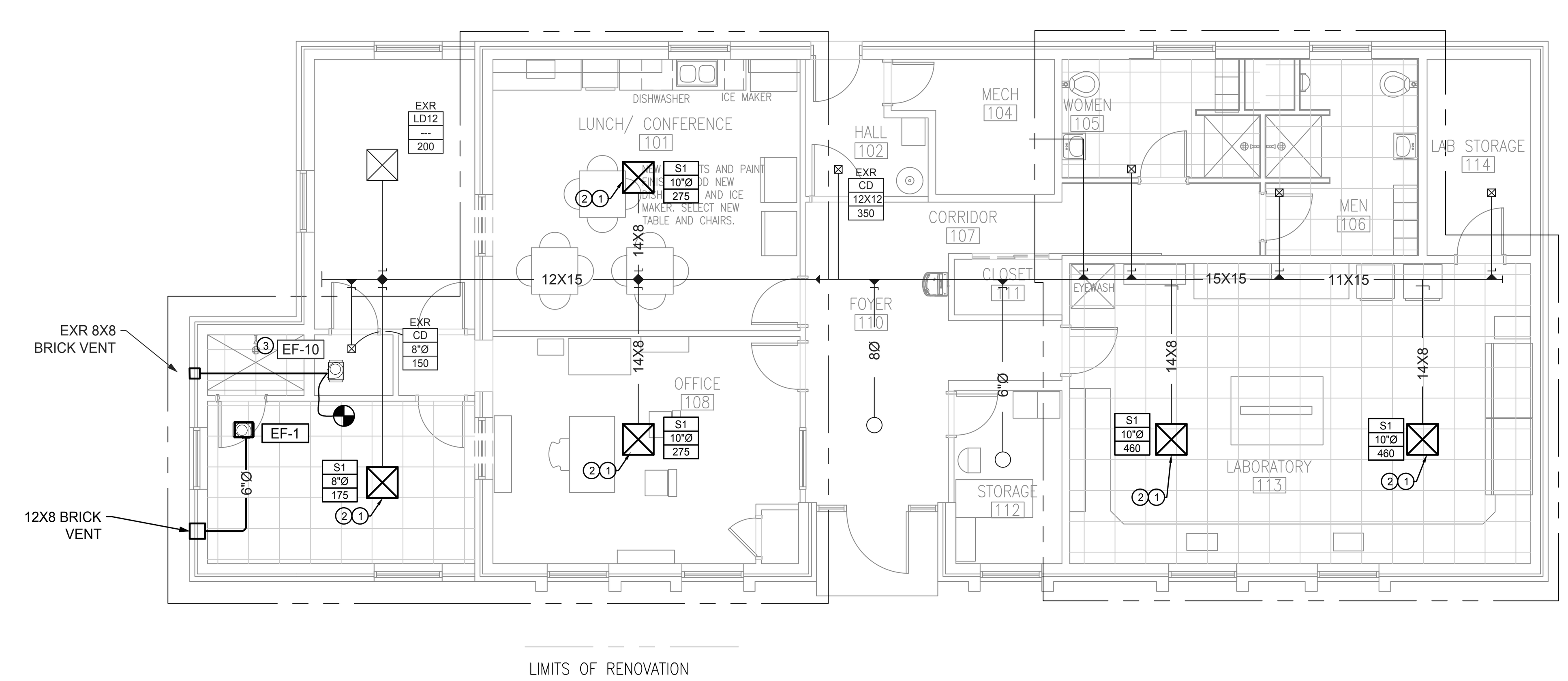
MARK	SERVES	LOCATION	TYPE	CFM	E.S.P IN. W.G	LIMIT (SONES)	MOTOR HP (W)	MOTOR V/Ø/Hz	ACCESSORIES	INTERLOCK	BASIS OF DESIGN (GREENHECK)
EF-1	TOILET	CEILING	A	50	0.35	1.2	(16)	120/1/60	1	WALL SWITCH	SP-A125

TYPES

- A CEILING MOUNTED EXHAUST FAN, DIRECT DRIVE
- B CEILING MOUNTED EXHAUST FAN, BELT DRIVE
- C CENTRIFUGAL UPBLAST ROOF EXHAUSTER, DIRECT DRIVE
- D CENTRIFUGAL UPBLAST ROOF EXHAUSTER, BELT DRIVE

ACCESSORIES

1. PLASTIC CEILING GRILLE, BACKDRAFT DAMPER, FLEXIBLE CONNECTOR, SOLID STATE SPEED CONTROLLER, PRE-WIRED DISCONNECT, ENERGY STAR RATED



HVAC DUCTWORK PLAN - ADMINISTRATION BUILDING
1/8" = 1'-0"

KEYED NOTES:

1. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
2. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.
3. INSTALL NEW 6"Ø ROUND EXHAUST DUCT BETWEEN EF-10 AND NEW BRICK VENT, INSULATE WITH 1" THICK DUCT WRAP.

RE-BALANCE AIR DEVICE FOR AIRFLOW SHOWN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED No. 26612 PROFESSIONAL ENGINEER LAWRENCE J. BOWNESS
21.09.192
3/29/24

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DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
FIVE MILE
ADMINISTRATION BUILDING

SHEET TITLE
FLOOR PLAN HVAC DEMOLITION AND NEW WORK

DRAWING NUMBER
M18.0

PROJECT NUMBER
202123

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DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192

GENERAL DEMOLITION NOTES

A. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, REMOVE THE FIXTURE/EQUIPMENT, ROUGH-IN AND ALL PIPING BACK TO MAINS AND CAP. REMOVE ALL ABANDONED PIPING FROM SITE.

B. DO NOT ABANDON ANY PIPING IN WALLS, BELOW SLAB , ABOVE CEILING. ALL BRANCH PIPING SERVING FIXTURES BEING REMOVED SHALL BE TAKEN BACK TO ACTIVE MAINS AND CAPPED.

C. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.

D. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

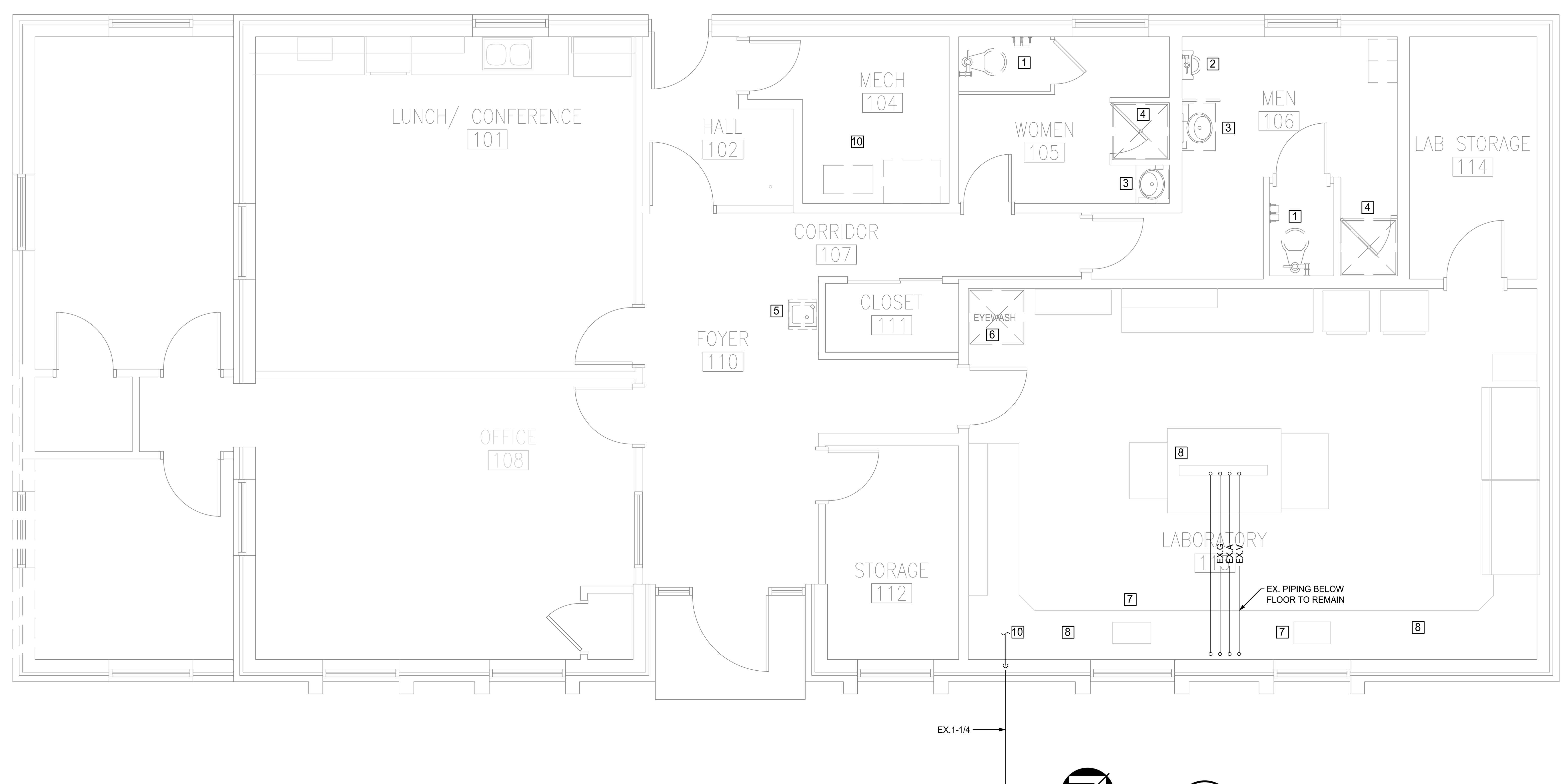
E. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.

F. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.

G. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.

DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO EXTENT REQUIRED FOR FIT-OUT. MAINTAIN ALL FIRE RATING
2. DISCONNECT AND REMOVE EXISTING URINAL COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO EXTENT REQUIRED FOR FIT-OUT. MAINTAIN ALL FIRE RATINGS.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EXISTING CW, HW , WASTE AND VENT BACK TO EXTENT REQUIRED FOR FIT OUT. MAINTAIN ALL FIRE RATINGS.
4. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN AND SHOWER FITTINGS COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT REQUIRED FOR FIT-OUT. MAINTAIN ALL FIRE RATINGS. PATCH HOLES IN WALLS, MAINTAINE ALL FIRE RATINGS
5. DISCONNECT AND REMOVE EXISTING WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE AND VENT BACK TO EXTENT REQUIRED FOR FIT OUT. PATCH HOLES IN WALLS. MAINTAIN ALL FIRE RATINGS.
6. DISCONNECT AND REMOVE EXISTING EMERGENCY SHOWER W/EYE WASH COMPLETE. REMOVE EXISTING CW, HW BACK TO EXTENT REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS. MAINTAIN ALL FIRE RATINGS.
7. DISCONNECT AND REMOVE EXISTING LAB SINK COMPLETE. REMOVE EXISTING CW, HW, ACID WASTE AND VENT BACK TO EXTENT REQUIRED FOR FIT-OUT. PATCH HOLES IN WALLS. MAINTAIN ALL FIRE RATINGS.
8. DISCONNECT AND REMOVE EXISTING CUP SINK COMPLETE. REMOVE EX. CW, WASTE AND VENT BACK TO EXTENT REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS. MAINTAIN ALL FIRE RATINGS.
9. DISCONNECT AND REMOVE EX. FLOOR DRAIN/FLOOR SINK COMPLETE. REMOVE EXISTING ACID WASTE AND VENT BACK TO EXTENT REQUIRED FOR FIT-UP.
10. DISCONNECT AND REMOVE EX. DOMESTIC WATER SERVICE BACK TO SITE. PREP SITE FOR NEW WATER SERVICE ENTRY. ABANDON ALL WATER PIPING BELOW FLOOR. NEW PIPING TO BE ROUTED ABV. CEILING.
11. DISCONNECT AND REMOVE EXISTING WATER HEATER COMPLETE. REMOVE EXISTING CW, HW AND ALL ASSOCIATED PIPING COMPLETE. REMOVE EXISTING GAS BACK TO ACTIVE MAIN AND CAP.



NORTH

01
P18.0
PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 25512 LAWRENCE J. BOWNESS
21.09.192
3/29/24

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RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
FIVE MILE
ADMINISTRATION BUILDING

SHEET TITLE
PLUMBING DEMOLITION PLANS

DRAWING NUMBER
P18.0

PROJECT NUMBER
202123

BBG&S
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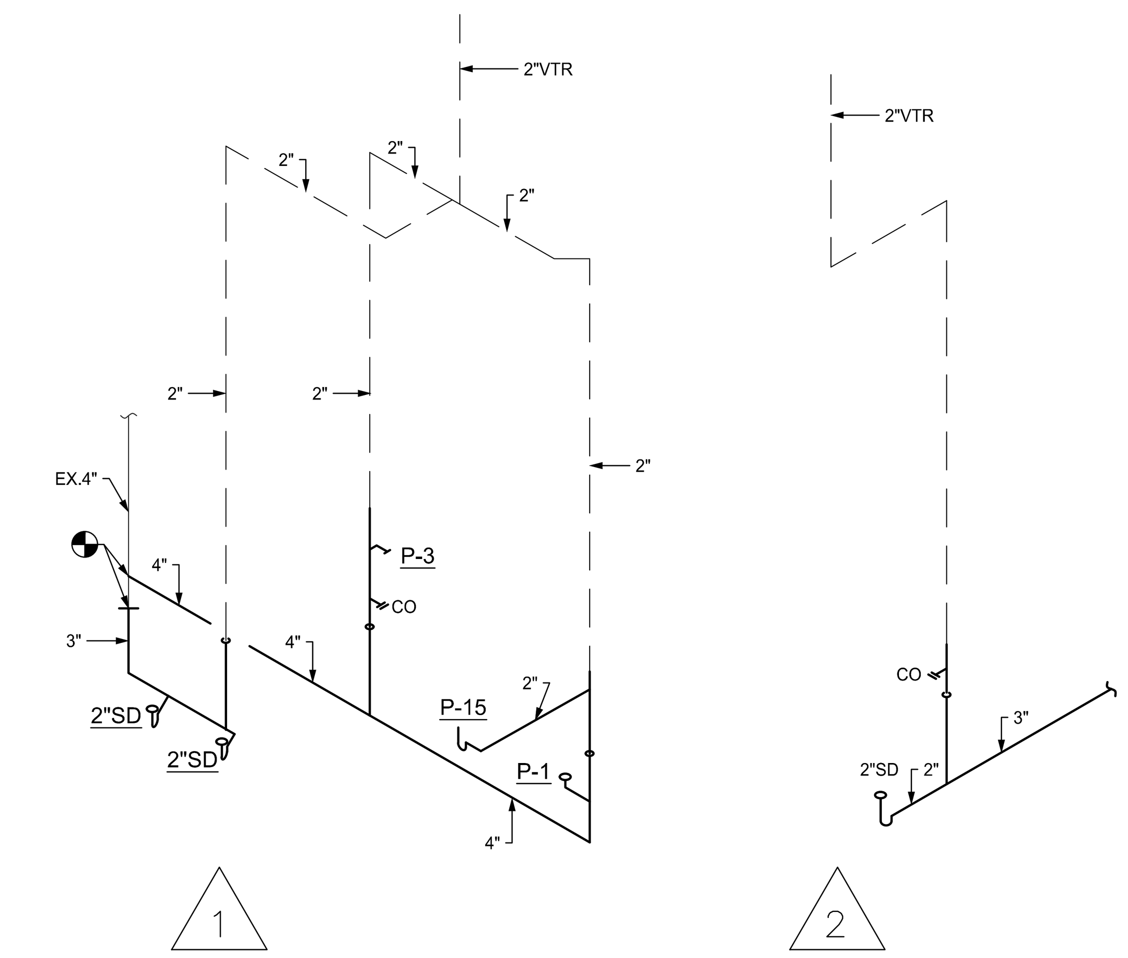


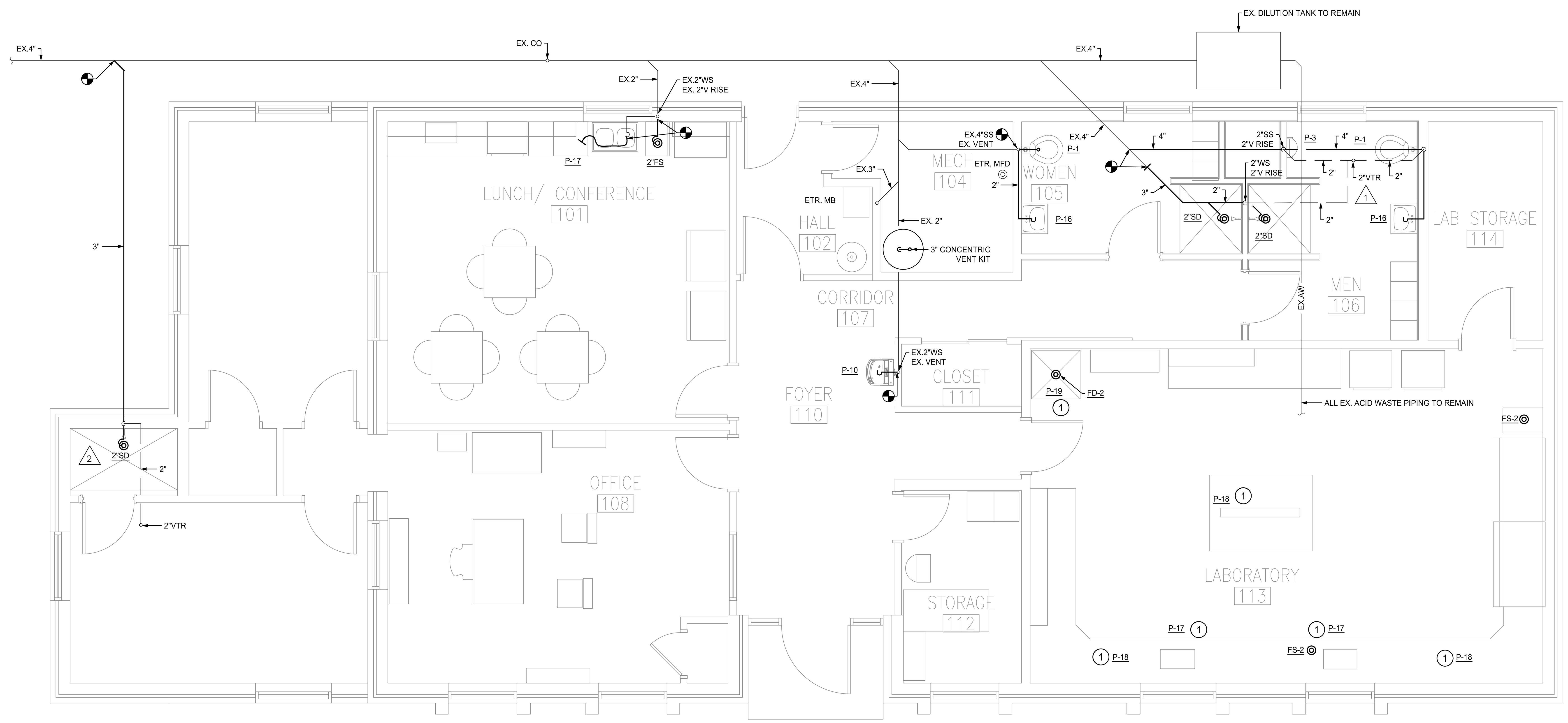
02 P18.1 PLUMBING RISER DIAGRAMS
Scale:NTS

GENERAL NOTES

A. REFER TO ARCHITECTURAL PLANS FOR ALL FIXTURE AND EQUIPMENT LOCATIONS

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.



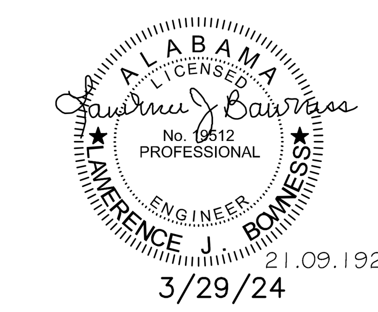
NORTH

01 P18.1 PLUMBING NON PRESSURE NEW WORK PLAN
Scale:1/4"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
FIVE MILE
ADMINISTRATION BUILDING

SHEET TITLE
PLUMBING NON-PRESSURE PLAN

DRAWING NUMBER
P18.1

PROJECT NUMBER
202123

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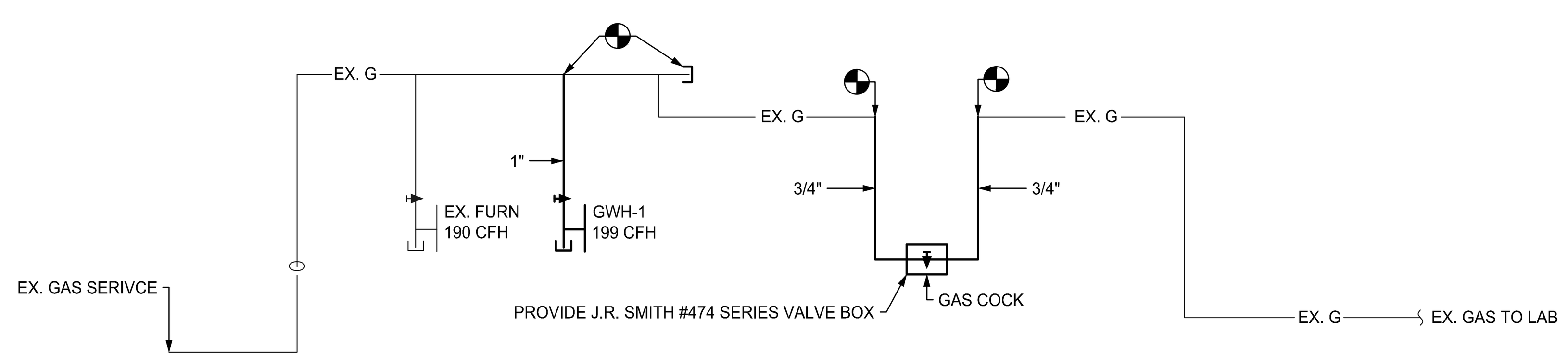
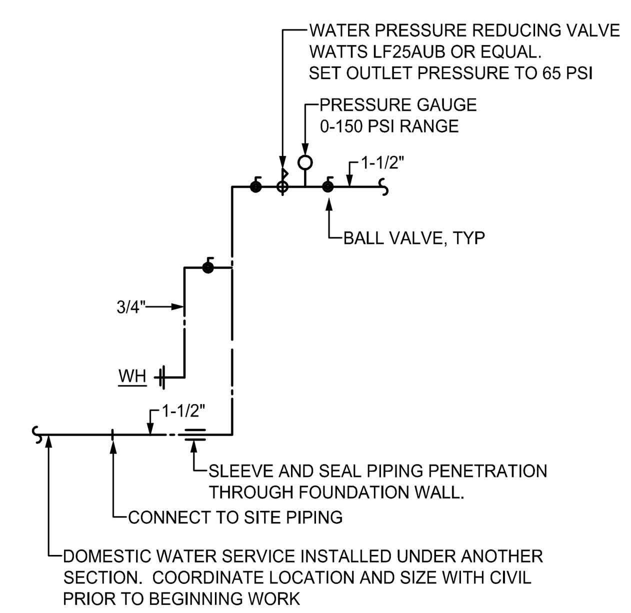
DESIGN BY: LJB · DRAWN BY: LJB · CHECKED BY: LJB · BBGS NO: 21.09.192



02 / P18.2 PLUMBING NATURAL GAS SCHEMATIC
Scale:NTS



DETAIL OF DOMESTIC WATER SERVICE
NO SCALE

GAS WATER HEATER SCHEDULE

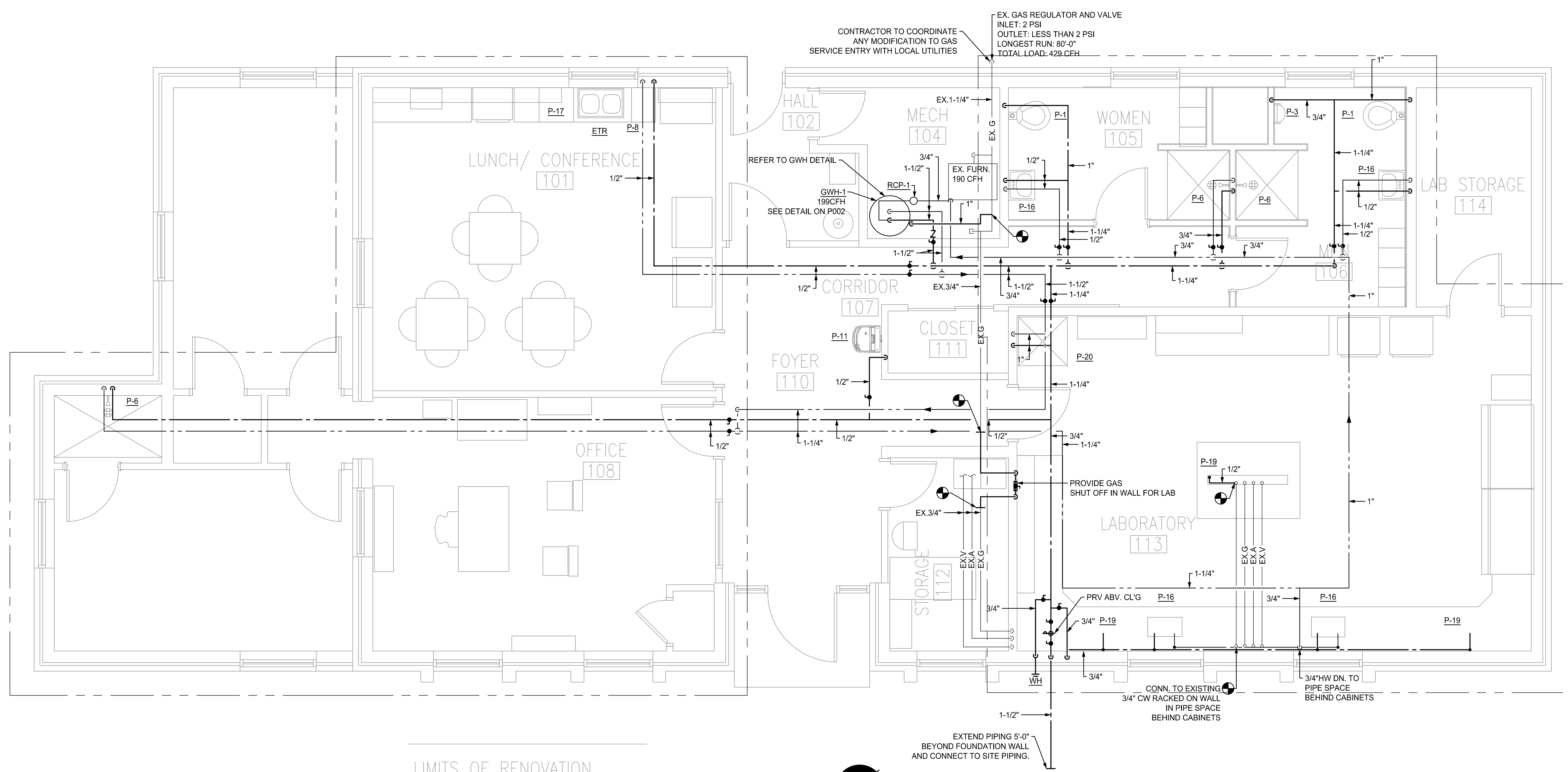
MARK	LOCATION	MODEL #	CW	HW	GAS	STORAGE	SET POINT	RECOVERY @ 100°F ΔT	FLUE/VENT SIZE	NATURAL GAS		ELECTRICAL		REMARKS
										CFH	IN.WC	VOLTS	PHASE	
GWH-1	MECH 104	SWR150L	1-1/2"	1-1/2"	1"	90 GAL.	125°F	175 GPH	3"	199	.5	120	1	SEE DETAIL AND NOTES BELOW

GAS WATER HEATER SCHEDULE NOTES:
1. BASIS OF DESIGN IS LOCHINVAR. AO SMITH, RHEEM, BRADFORD WHITE ARE APPROVED EQUALS.
2. ALL WATER HEATERS IDENTIFIED IN THIS SCHEDULE ARE TO BE SUBMITTED UNDER SECTION 223400.
3. BASIS OF DESING IS A SEALED COMBUSITON, CONDENSING, 96% EFFICIENT WATER HEATER.
4. ALL WATER HEATERS SHALL BE PROVIDED WITH DRAIN PANS.
5. ALL WATER HEATERS SHALL BE PROVIDED WITH EXPANSION TANKS AND VACUUM BREAKERS ON THE CW SUPPLY.
6. WATER HEATER FLUE SHALL MEET UL 1736.
7. PROVIDE CONDENSATE NEUTRALIZATION KIT WITH (EACH) WATER HEATER.
8. WATER HEATER STORAGE TANK SHALL BE ASME CONSTRUCTION.
9. WATER HEATER REQUIRES POWER CONNECTION FOR OPERATION. COORDINATE ELECTRICAL SUPPLY WITH DIVISION 26.

PUMP SCHEDULE

MARK	LOCATION	MODEL #	SYSTEM TYPE	TYPE	PERFORMANCE			ELECTRICAL					REMARKS
					PSI	FLOW	FT. HD.	RPM	WATTS	VOLTS	PHASE	FLA	
RCP-1	MECH 104	ASTRO 225SSU	RECIRC.	IN-LINE	-	1	6	-	83.0	115	1	0.43	SEE NOTES BELOW

PUMP SCHEDULE NOTES:
RCP-1 NOTES:
1. RECIRCULATION PUMP BASIS OF DESIGN IS ARMSTRONG. BELL & GOSSETT AND GRUNDFOS ARE APPROVED EQUALS.
2. ALL WETTED PARTS TO BE STAINLESS STEEL OR LEAD FREE BRASS
3. PROVIDE 7-DAY PROGRAMMABLE TIME CLOCK.



01 / P18.2 PLUMBING NON PRESSURE NEW WORK PLAN
Scale:1/4"= 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL
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RELEASED FOR CONSTRUCTION ■

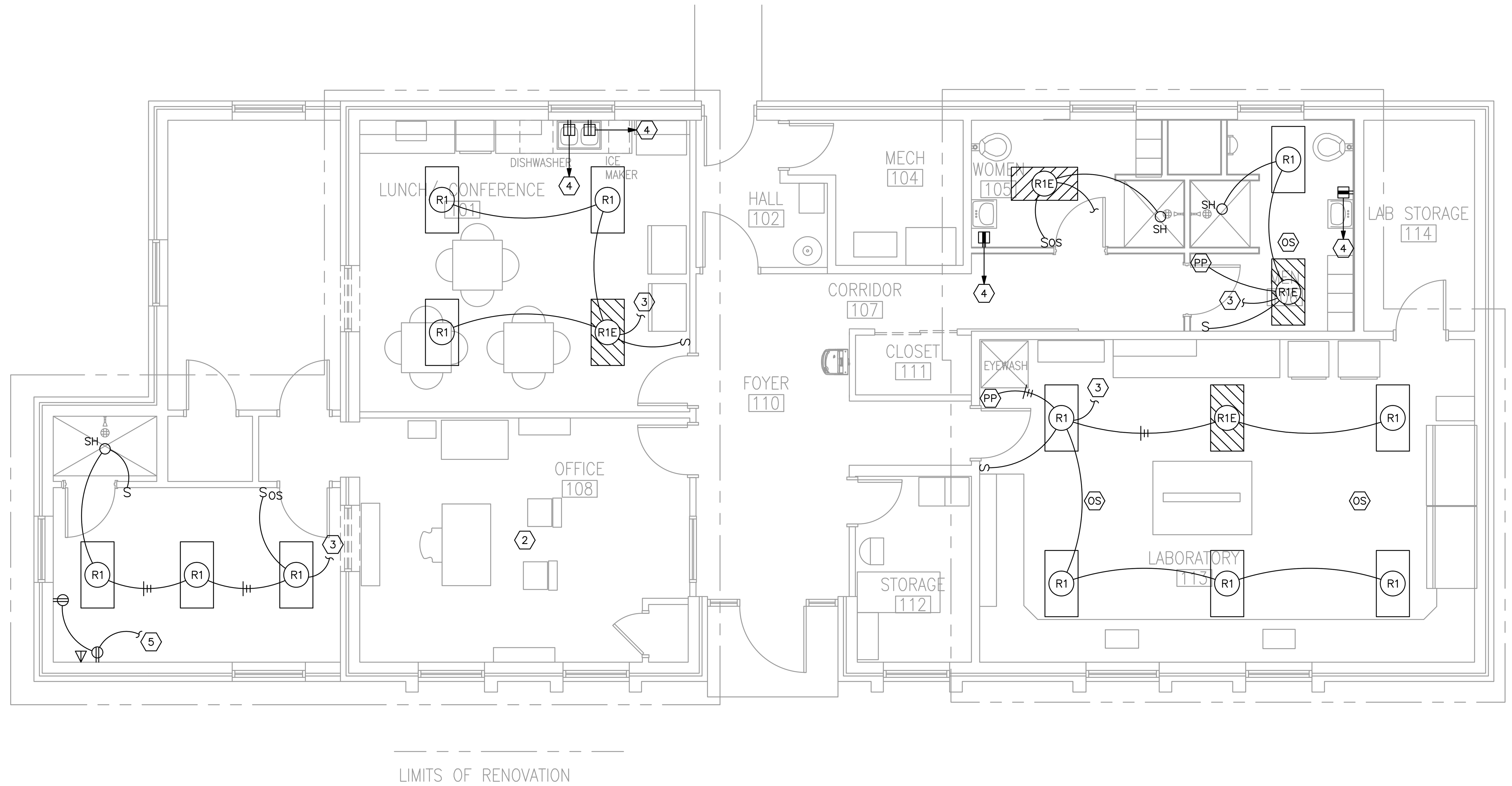
DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

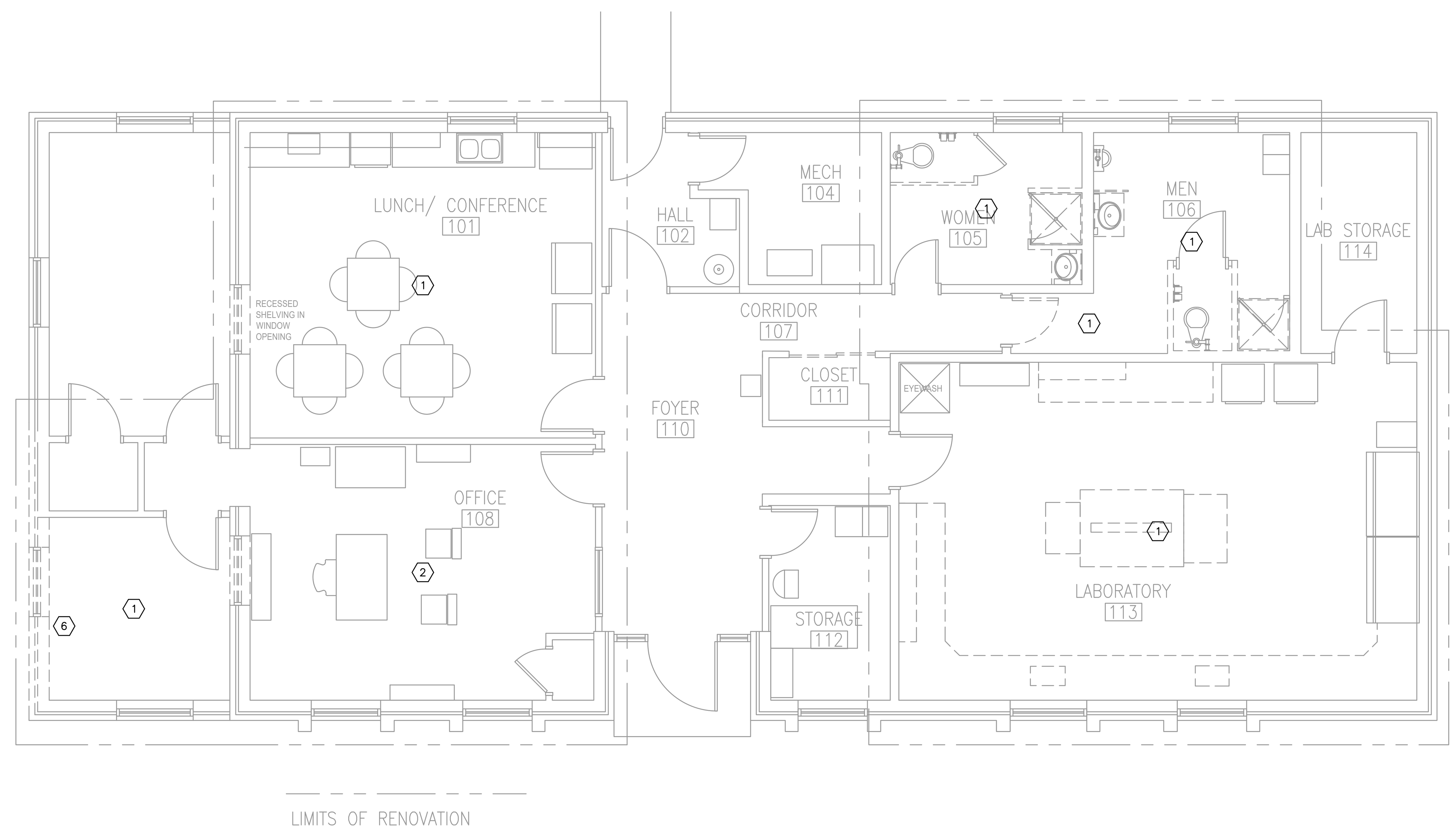
LOCATION
FIVE MILE ADMINISTRATION BUILDING
SHEET TITLE
PLUMBING PRESSURE PLAN
DRAWING NUMBER
P18.2
PROJECT NUMBER
202123



NORTH

FIRST FLOOR PLAN - ELECTRICAL

SCALE: 3/16" = 1'-0"



NORTH

FIRST FLOOR PLAN - DEMOLITION

SCALE: 3/16" = 1'-0"

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1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 ∆ Web: www.cce-eng.com

CCE No. 22S2H05	Date: Apr 10, 2024
File: EP-18.dwg	Time: 3:56:11 pm

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY–IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE–INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS AREA TO BE REMOVED COMPLETE TO THE NEXT UPSTREAM DEVICE THAT IS TO REMAIN.
2. EXISTING LIGHTING IN THIS AREA TO REMAIN. PROTECT EXISTING LIGHTS, SWITCHING, AND WIRING AS REQUIRED.
3. CONNECT TO EXISTING LIGHTING CIRCUIT IN AREA WITH 2#12, 1#12G–3/4"C. REWORK SWITCHING AS SHOWN.
4. CONNECT TO NEW 20/1 BREAKER AT NEAREST 120/208 VOLT PANEL WITH 2#12, 1#12G–3/4"C. BREAKER TO BE MOUNTED IN AVAILABLE SPACE. MATCH MANUFACTURER AND AIC RATING OF PANEL.
5. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN ROOM WITH 2#12, 1#12G–3/4"C.
6. EXISTING WALL TO BE DEMOLISHED BY THE G.C. DISCONNECT AND REMOVE ALL ASSOCIATED ELECTRICAL DEVICES IN THIS WALL COMPLETE BACK TO SOURCE OR TO THE NEXT UPSTREAM DEVICE THAT IS TO REMAIN.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL

JAMIE L. BAILEY
No. 31921
PROFESSIONAL ENGINEER
3/28/24

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DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
FIVE MILE
ADMINISTRATION BUILDING

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E18.0

PROJECT NUMBER
202123

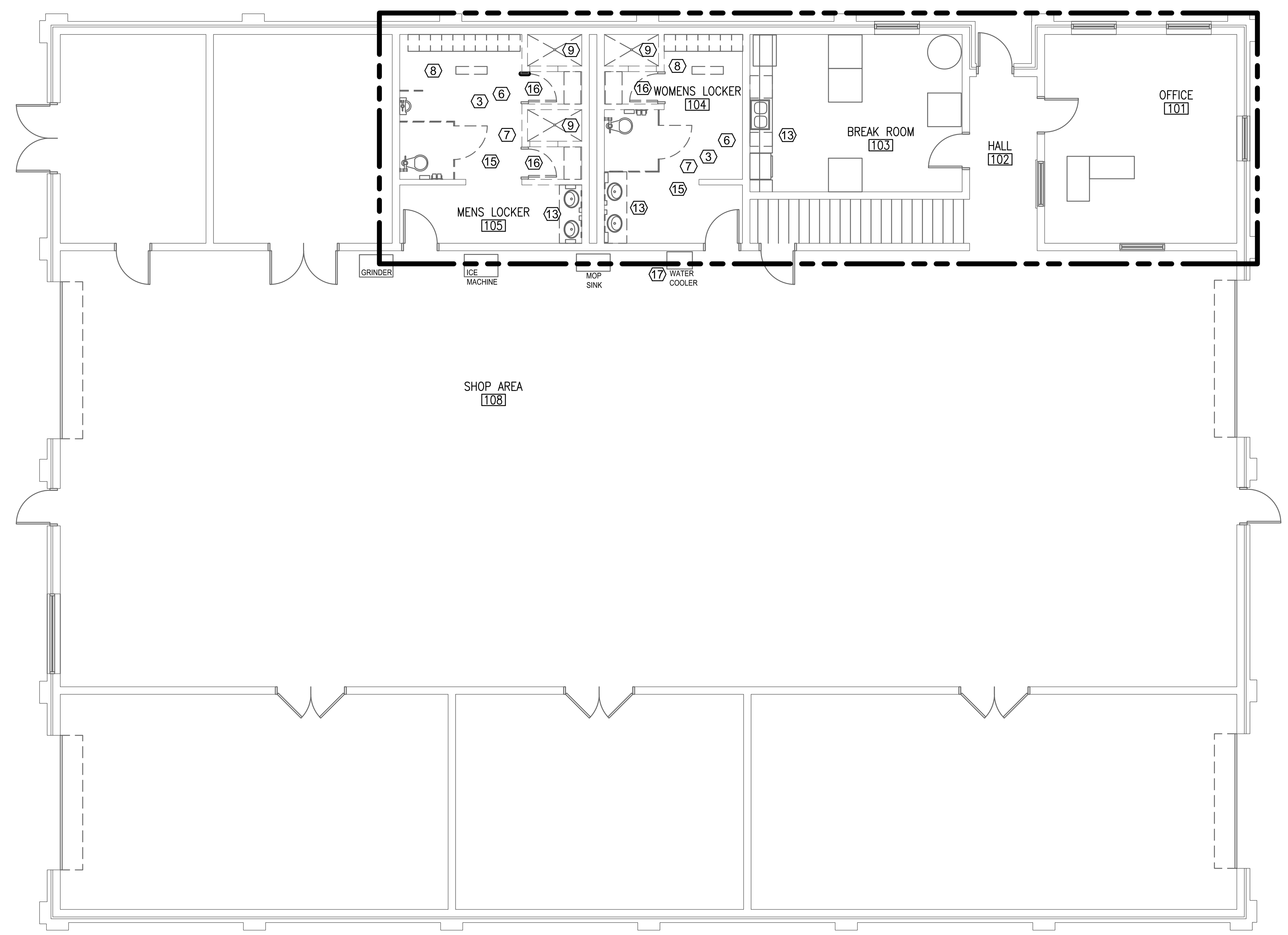
30% DESIGN REVIEW

KEYED DEMOLITION NOTES

1. EXISTING FLOORING AND WALL BASE TO REMAIN. REPLACE FLOOR WHERE REMOVED FOR PLUMBING WORK.
2. EXISTING CEILING GRID TO REMAIN. LAY-IN TILES, LIGHT FIXTURES, MECHANICAL GRILLES TO BE REMOVED.
3. EXISTING SHOWER FLOOR BED TO BE REMOVED. SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS NECESSARY TO INSTALL NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
4. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO REMAIN.
5. EXISTING CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES TO BE REMOVED.
6. EXISTING PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE TO BE REMOVED.
7. EXISTING BASE AND FLOORING TO BE REMOVED. ALL EXISTING FLOOR TILE MASTIC SHALL BE SCRAPED DOWN TO CONCRETE SLAB AFTER REMOVAL OF EXISTING FLOORING AND MADE SMOOTH FOR INSTALLATION OF NEW FLOORING.
8. EXISTING LOCKERS AND BENCHES TO BE REMOVED.
9. EXISTING FLOOR DRAIN TO BE SEALED, PLUGGED OR REROUTED TO WORK WITH NEW LOCATION.
10. EXISTING SHELVES TO BE CAREFULLY REMOVED AND STORED FOR REINSTALLATION AT THE SAME LOCATION.
11. EXISTING TO BE CAREFULLY REMOVED AND STORED. SEE OWNER FOR COORDINATION.
12. EXISTING DOOR AND FRAME TO BE REMOVED.
13. EXISTING VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE) TO BE REMOVED.
14. EXISTING PAINTED WOOD HEAD, JAMB, SILL AND CORNER TRIM TO BE REMOVED.
15. EXISTING CERAMIC WALL TILES TO BE REMOVED AND MORTAR TO BE SCRAPED.
16. EXISTING CONCRETE SLAB TO BE SAW-CUT AND REMOVED FOR NEW SHOWER FLOOR AND DRAIN. COORDINATE WITH NEW FLOOR PLAN.
17. EXISTING WATER COOLER TO BE REMOVED.

GENERAL DEMOLITION NOTES

1. PROTECT EXISTING CONDITIONS TO REMAIN, THE GC IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY DEMOLITION.
2. COORDINATE WITH PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR ADDITIONAL SCOPE OF WORK TO BE DEMOLISHED.
3. CAREFULLY REMOVE AND STORE EXISTING DOORS AND HARDWARE. COORDINATE W/ OWNER.
4. CONTRACTOR TO VISIT SITE TO DETERMINE WHAT EXISTING CONDITIONS AFFECT WORK, AND INCLUDE NECESSARY WORK IN BID.
5. ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMO WORK.
6. PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AS REQUIRED. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE.
7. JOB SAFETY IS NOT THE RESPONSIBILITY OF THE OWNER OR ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SITE AND BUILDING SAFETY.
8. CONTRACTOR TO PROTECT ALL EXISTING BUILDING STRUCTURES, FINISHES, AND EQUIPMENT FROM COLLECTING DUST AND DAMAGE DURING DEMOLITION.
9. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS FROM PROPERTY AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO REMOVE AND DISPOSE OF ALL TRASH AND DEBRIS IN THE BUILDING.
11. GC IS TO PATCH AND REPAIR THE ROOF AS NEEDED FOR "LIKE NEW" CONDITION AT ALL LOCATIONS WHERE PENETRATING ITEMS ARE REMOVED DURING DEMOLITION. (I.E. VENT STACKS) COORDINATE WITH MEP DRAWINGS AS NEEDED.
12. GC IS TO PATCH AND REPAIR DAMAGE TO ALL FLOORS AND WALLS CAUSED BY PLUMBING SCOPE OF WORK. MATCH NEW WORK TO EXISTING CONDITIONS.
13. REMOVE AND REPLACE WALL AND SURROUNDING MATERIALS AS REQUIRED AT ALL IN WALL NEW PLUMBING WORK. ADJUST THE PLUMBING TO THE HEIGHT OF THE NEW ADA TOILET AND NEW FIXTURES.
14. REFER TO PLUMBING DRAWING FOR EXTENT OF FLOOR SLAB TO BE CUT AND REMOVED TO INSTALL NEW PLUMBING. THE EXTENT OF WALLS AFFECTED BY PLUMBING WORK SHALL BE REPAIRED AND MATCH EXISTING CONSTRUCTION. RESTORE FLOOR TO A SMOOTH FINISH AND RESTORE WALL TO RECEIVE TILE AND/OR PAINT FINISH.



LIMITS OF RENOVATION

NORTH

01 DEMOLITION FLOOR PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
NO. 4484
BIRMINGHAM, ALABAMA

STUDIO 2H DESIGN
STUDIO 2H DESIGN, LLC
1721 4th AVENUE NORTH
SUITE 101
BIRMINGHAM, AL 35203
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OFFICE: 205-264-9988
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NOT FOR CONSTRUCTION ■
RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024

DRAWN BY: JCJ

REVIEWED BY: NH

REVISIONS

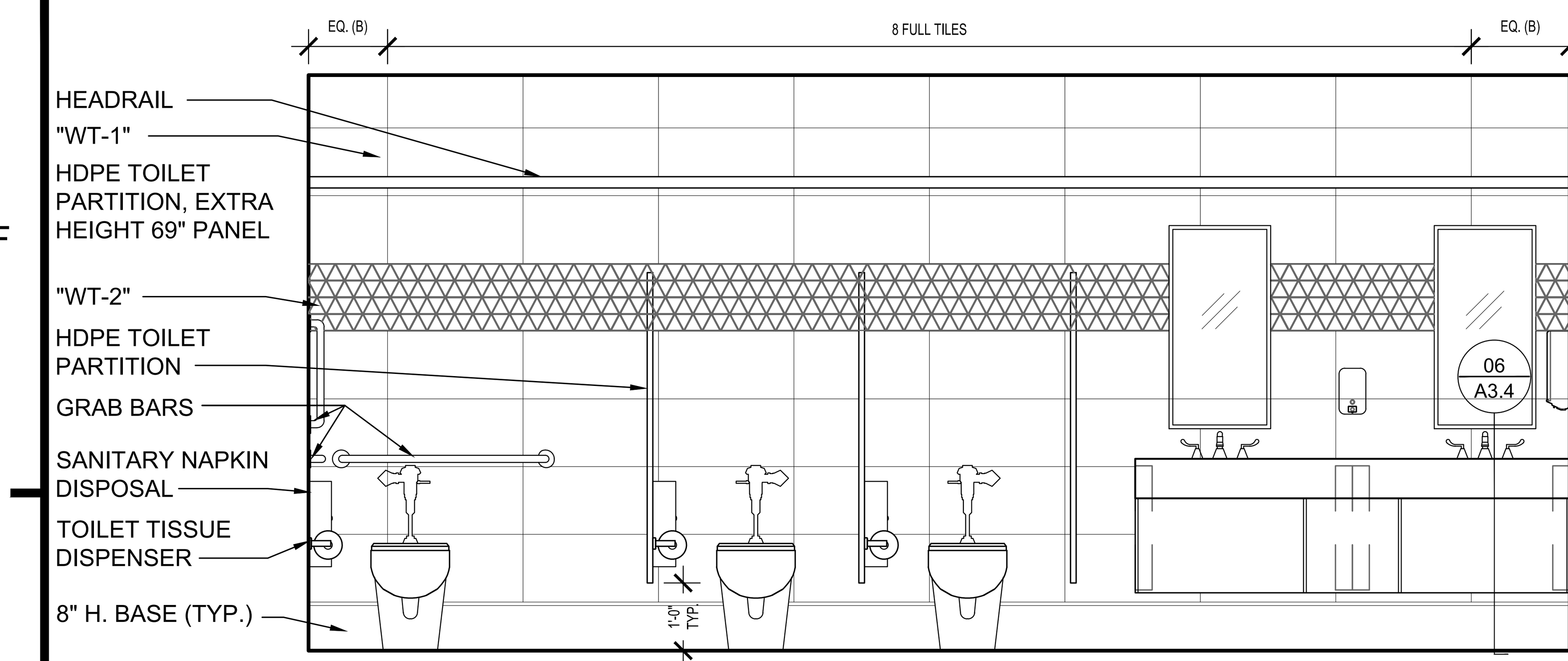
NO	DATE	Description

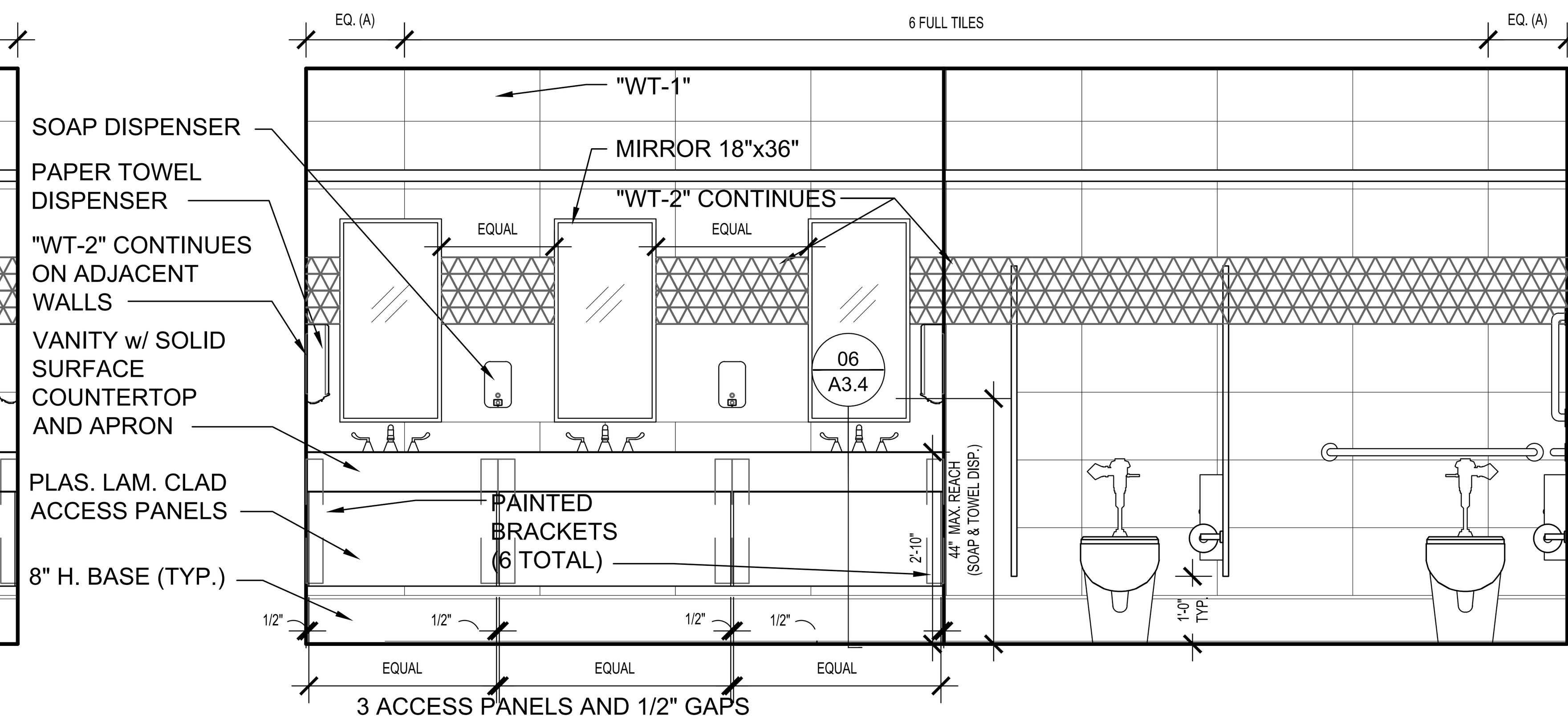
LOCATION
FIVE MILE
MAINTENANCE BUILDING

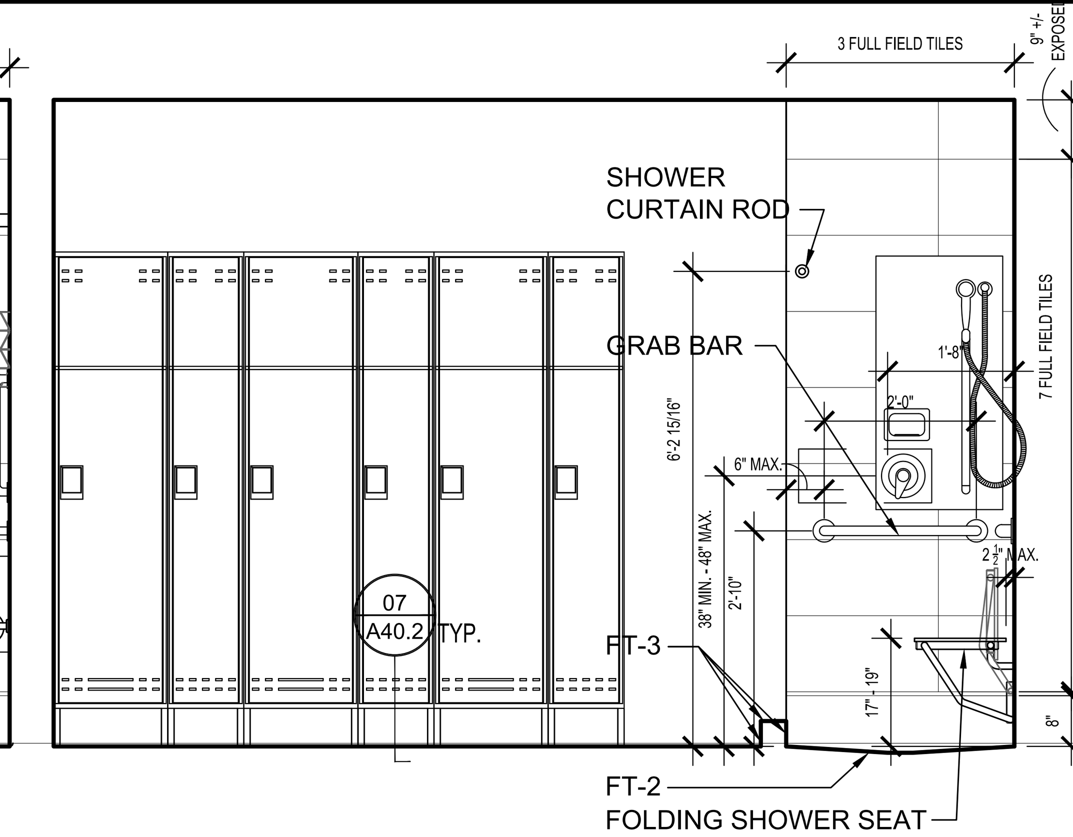
SHEET TITLE
DEMOLITION PLAN

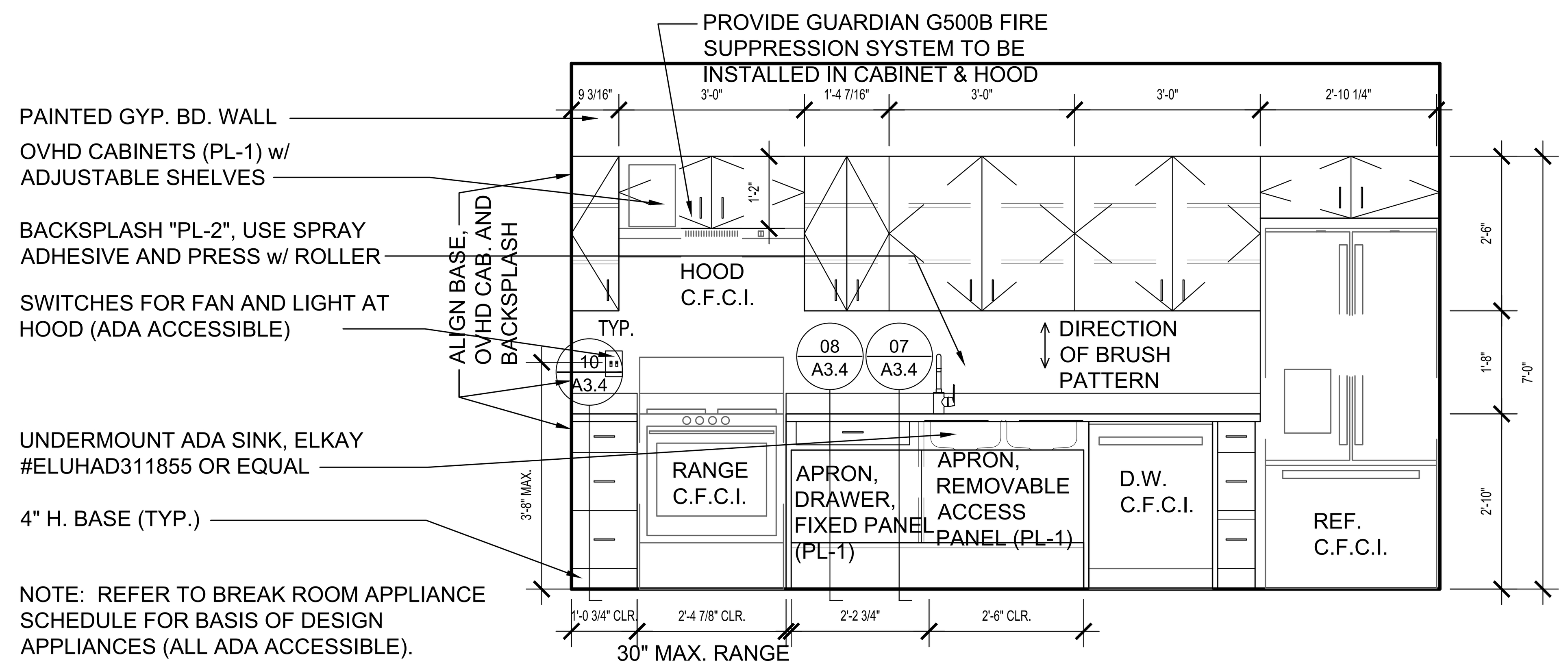
DRAWING NUMBER
A19.0

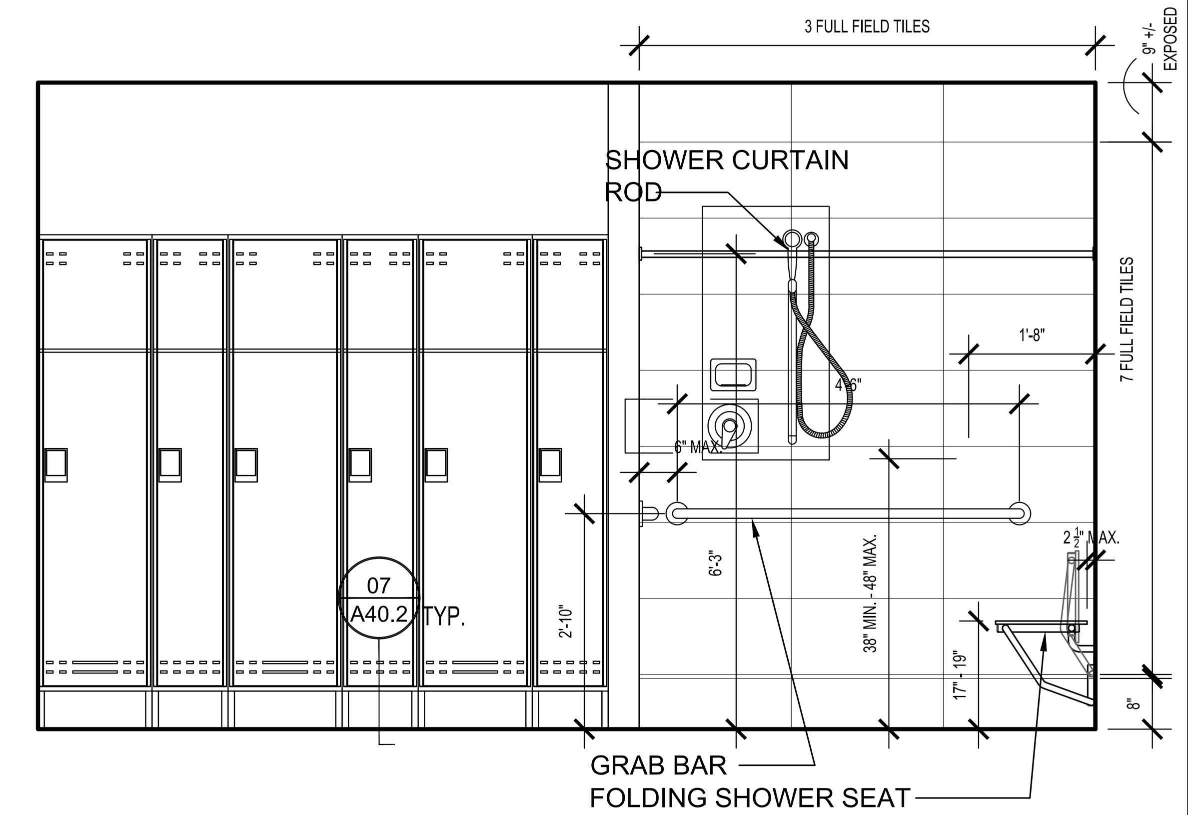
PROJECT NUMBER
202123





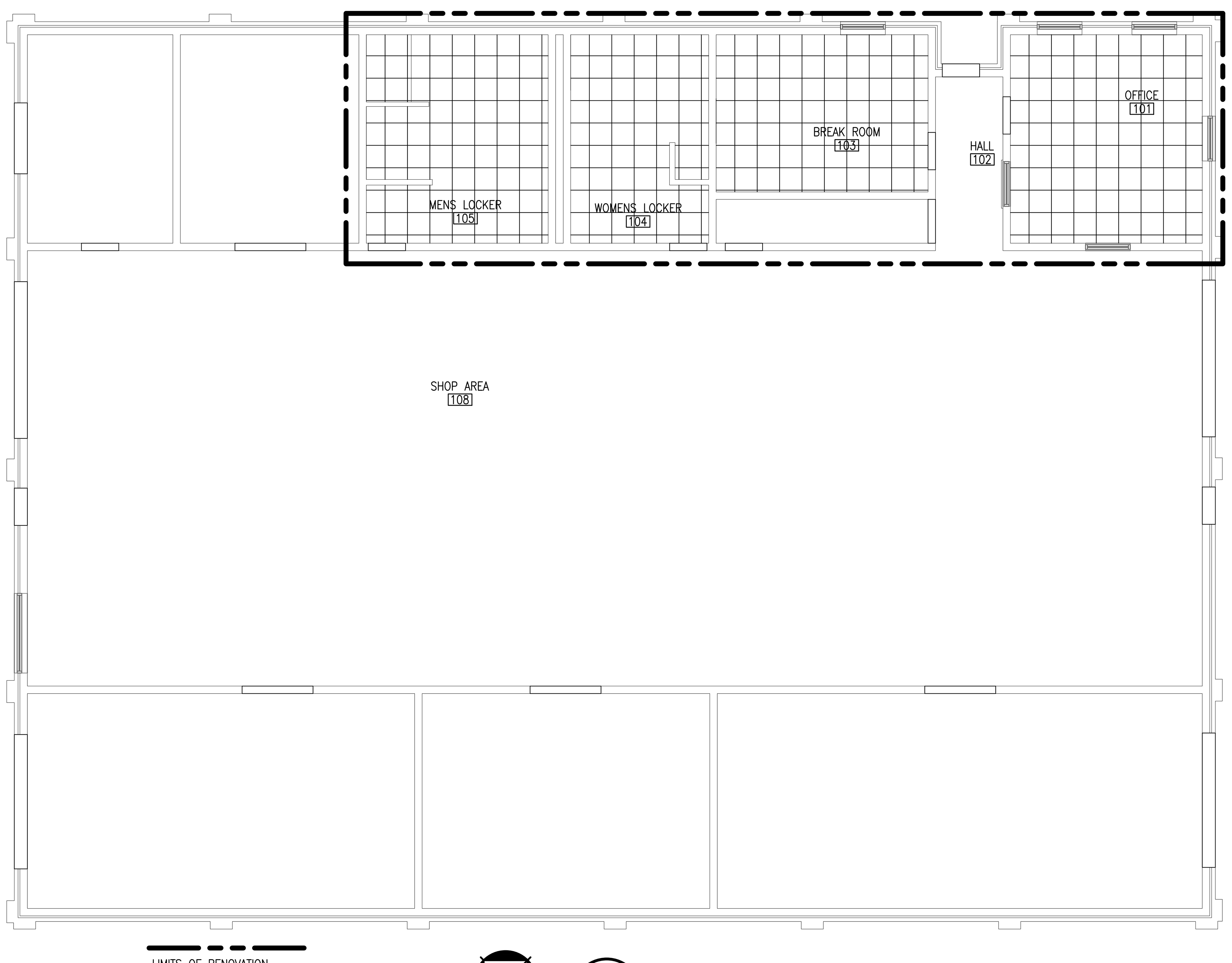






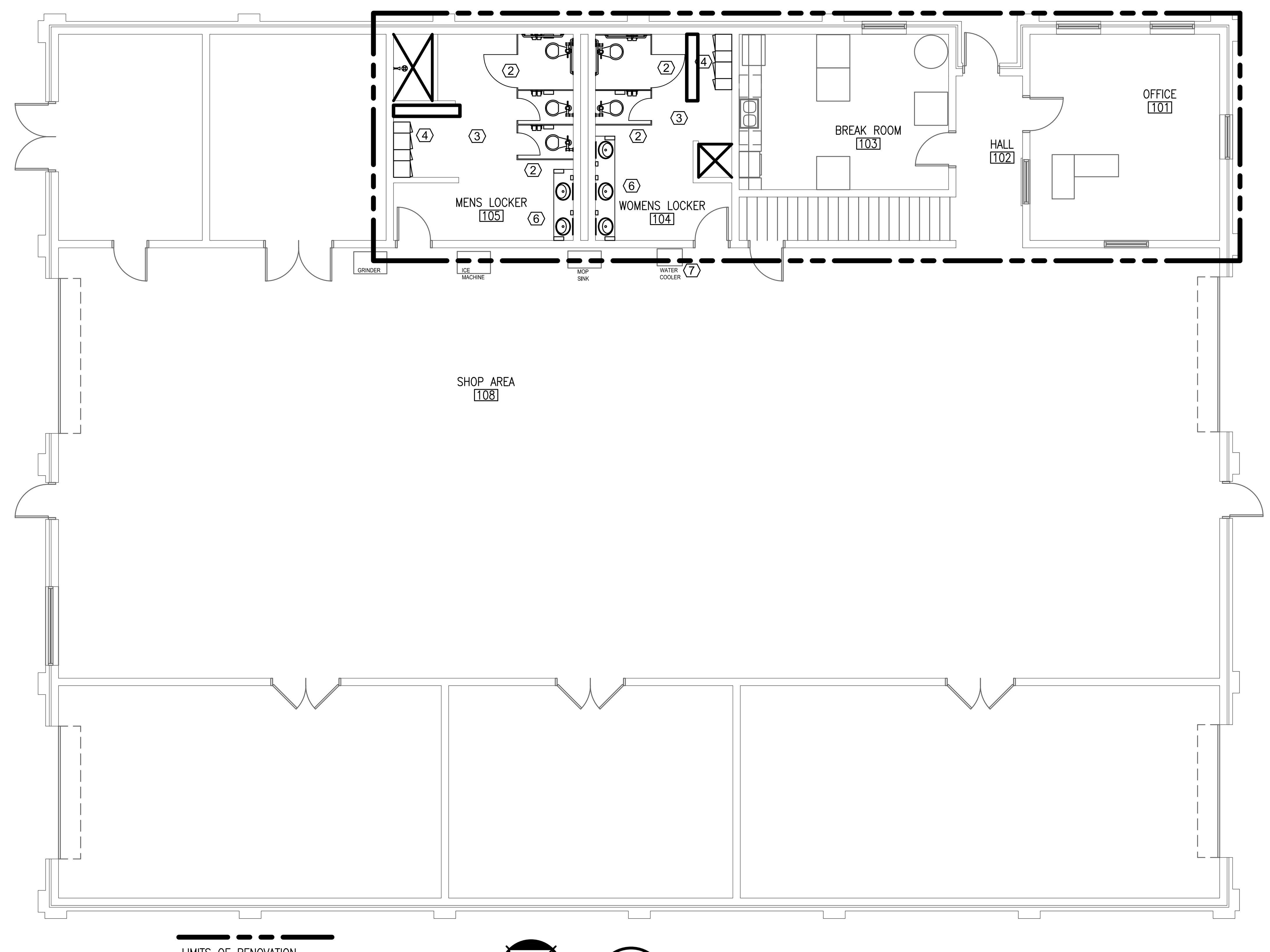
KEYED FLOOR PLAN NOTES

1. NEW CEILING GRID, LAY-IN TILES, LIGHT FIXTURES AND MECHANICAL GRILLES.
2. NEW PLUMBING FIXTURE, PARTITIONS, TOILET ACCESSORIES, MIRRORS, SHOWER CURTAIN AND RODS AND FURNITURE.
3. NEW TILE BASE AND FLOORING. ALL NEW FLOOR TILE SHALL BE APPLIED TO A CLEAN AND SMOOTH CONCRETE SLAB.
4. NEW LOCKERS AND BENCHES.
5. NEW DOOR AND FRAME.
6. NEW VANITY, MILLWORK AND APPLIANCES (IF APPLICABLE).
7. NEW WATER COOLER.



NORTH

03 REFLECTED CEILING PLAN
Scale: 1/8"= 1'-0"



NORTH

02 NEW FLOOR PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL

STATE OF ALABAMA REGISTERED ARCHITECT
NOLANDA HATCHER
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DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
FIVE MILE MAINTENANCE BUILDING

SHEET TITLE
NEW FLOOR PLAN, REFLECTED CEILING PLAN

DRAWING NUMBER
A19.1

PROJECT NUMBER
202123

TOILET ACCESSORY SCHEDULE

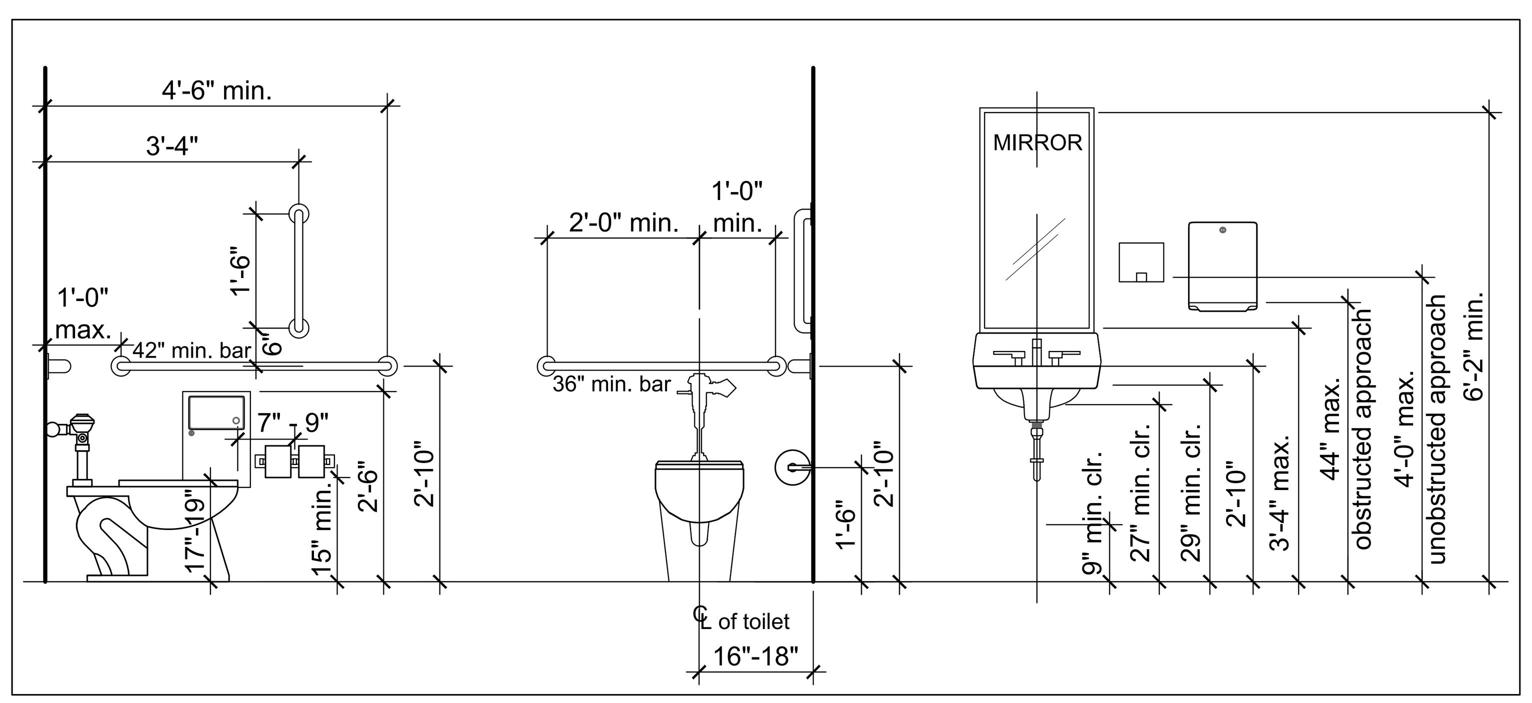
KEY	DESCRIPTION	MANUFACTURER	MODEL AND MOUNTING HEIGHT INFORMATION
A1	24" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 24: 34" A.F.F. TO CENTERLINE
A2	36" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 36: 34" A.F.F. TO CENTERLINE
A3	42" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 42: 34" A.F.F. TO CENTERLINE
A4	54" HORIZONTAL GRAB BAR	BOBRICK	B-6806.99 x 54 (CUSTOM LENGTH): 34" A.F.F. TO CENTERLINE
A5	18" VERTICAL GRAB BAR	BOBRICK	B-6806.99 x 18: 40" A.F.F. TO CENTERLINE
B	DOUBLE-ROLL TOILET PAPER DISPENSER	BOBRICK	B-6867: 20" A.F.F. TO TOP OF MOUNTING FLANGE , 8" MAX TO CENTERLINE OF THE CLOSEST TOILET ROLL TO FRONT EDGE OF TOILET SEAT
C	18"X36" MIRROR w/STAINLESS STEEL FRAME - CENTERED OVER SINK	BOBRICK	B-165-1836: 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE
D	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-2111: 44" MAX. TO TOP OF PUSH BUTTON
E	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-262: 44" MAX. A.F.F. TO OPENING FOR PAPER TOWEL
F	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL	BOBRICK	B-254: 30" A.F.F. TO TOP OF UNIT
G	SURFACE MOUNTED TOWEL HOOK	BOBRICK	B-6777: 44" A.F.F. TO CENTERLINE (PER ADA, 48" MAX. TO UNOBSTRUCTED SIDE AND FRONT REACH) , 60" A.F.F. TO CENTERLINE FOR NON-ADA SHOWER.
H	SOLID PHENOLIC FOLDING SHOWER / DRESSING SEAT	BOBRICK	B-5193: 17" TO 19" A.F.F. TO TOP OF SEAT WHEN IT IS IN USE
I1	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 60: 75" A.F.F. TO CENTERLINE
I2	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 IN CUSTOM LENGTH OR FIELD CUT TO FIT: 75" A.F.F. TO CENTERLINE
I3	HEAVY-DUTY SHOWER CURTAIN ROD	BOBRICK	B-207 x 36: 75" A.F.F. TO CENTERLINE

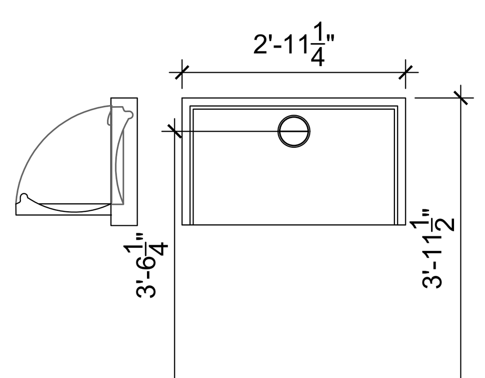
NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ACCESSORIES AS SPECIFIED BY MANUFACTURER.
2. COAT HOOKS IN TOILET STALLS TO BE PROVIDED BY TOILET PARTITION SUPPLIER. PROVIDE 1 HOOK PER STALL ON BACK OF THE DOOR. REFER TO TOWEL HOOKS FOR INSTALLATION HEIGHT.

BREAK ROOM APPLIANCE SCHEDULE

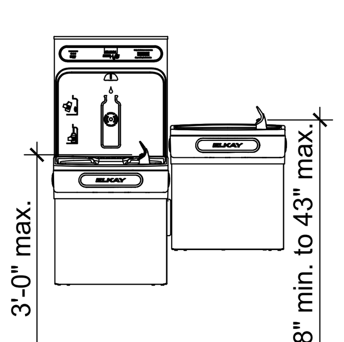
ITEM	MFR	MODEL AND DESCRIPTION
REFRIGERATOR	GE	#GFE26JYMFS, 25.6 Cu. Ft. FRENCH DOOR, 79-7/8"H x 35-3/4" W x 35-7/8" D, ADA COMPLIANT
RANGE	GE	#JB480SMSS, FREE-STANDING ELECTRIC RADIANT SMOOTH COOKTOP RANGE, 47"H x 30" W x 29" D, ADA COMPLIANT
DISHWASHER	GE	#GDT225SSLSS, STAINLESS STEEL INTERIOR, 32-1/4"H x 23-3/4"W x 23-1/2"D, ADA COMPLIANT
HOOD & FSS	BRAUN	#464204, NON-VENTED UNDER CABINET RANGE HOOD, 6"H x 42"W x 17-1/2"D, ADA COMPLIANT: WIRE FAN AND LIGHT CONTROL TO WALL MOUNTED SWITCHES. INSTALL GUARDIAN G600 -B FIRE SUPPRESSION SYSTEM (FSS). SEE ELEVATIONS.
MICROWAVE	GE	#PES7227SLSS, 2.2 Cu. Ft. COUNTERTOP SENSOR MICROWAVE OVEN, 14"H x 24-1/8"W x 19-3/4"D, ADA COMPLIANT

NOTES:
1. CONTRACTOR TO INSTALL BLOCKING FOR WALL MOUNTED ITEMS AS SPECIFIED BY MANUFACTURER.
2. ITEMS ON THIS LIST ARE BASIS OF DESIGN. FOR SUBSTITUTIONS, CONTRACTORS ARE REQUIRED TO SUBMIT SUBSTITUTIONS TO ARCHITECT AND MUST BE PRE APPROVED BEFORE BID DATE.





BABY CHANGING STATION



WATER FOUNTAIN w/ BOTTLE FILLER

FINISH SCHEDULE

KEY	MATERIAL	MANUFACTURER	DESCRIPTION
WALL			
PT-1	PAINT	SHERWIN WILLIAMS	#7672 KNITTING NEEDLES, EGGSHELL FINISH FOR WALLS
PT-2	PAINT	SHERWIN WILLIAMS	#7023 REQUISITE GRAY, EGGSHELL FINISH FOR WALLS
PT-3	PAINT	SHERWIN WILLIAMS	#9170 ACIER, EGGSHELL FINISH FOR WALLS
PT-4	PAINT	SHERWIN WILLIAMS	#7019 GAUNTLET GRAY, SEMI-GLOSS FINISH FOR H.M. DOOR AND WINDOW FRAMES
PT-5	PAINT	SHERWIN WILLIAMS	NOT USED
WT-1	WALL TILE (FIELD TILE)	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
WT-2	WALL TILE (MOSAIC ACCENT)	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET
WT-3	WALL TILE	MATCH EXISTING	MATCH EXISTING SIZE, STYLE, COLOR AND TEXTURE
BASE			
RB-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE #114 LUNAR DUST, 4" H., STANDARD TOE
TB-1	TILE BASE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
QB-1	QUARRY TILE BASE	DALTILE	MATCH EXISTING STYLE, COLOR AND TEXTURE
FLOOR			
FT-1	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 24X24, 1/8" GROUT JOINT
FT-2	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - MATTE FINISH, 3" MESH MOUNTED TRIANGLE MOSAIC, 11-5/8"X14-1/2" SHEET, 1/8" GROUT JOINT
FT-3	FLOOR TILE	DALTILE	CHORD, CANON GRAY CH22 - LIGHT POLISHED, 12X24, 1/8" GROUT JOINT
SC	SEALED CONCRETE		SEALER FOR EXISTING CONCRETE FLOOR
CASEWORK			
SS-1	SOLID SURFACE MATERIAL	CORIAN	CAMEO WHITE, 1/2" THK. FOR COUNTERTOP, 4" BACKSPLASH AND WINDOW SILL, 1/4" THK. FOR FULL HT. BACKSLPASH BETWEEN OVHD AND COUNTERTOP
PL-1	PLASTIC LAMINATE	WILSONART	FRENCH PEAR #8220-38, FINE VELVET FINISH
PL-2	PLASTIC LAMINATE	WILSONART	DECORATIVE METALS #6277 (419) ALUMASTEEL (USED FOR WALL PROTECTION BETWEEN OVERHEAD AND BASE CABINETS)
	METAL BRACKET	A&M HARDWARE, INC.	ADA VANITY BRACKET 21", PRIMER FINISH WITH OPTIONAL MOUNTING HOLES FOR SIDE PANELS, PAINTED WITH "PT-2"
	METAL BRACKET	RAKKS	EHR-1818, COUNTER BRACKET SUPPORT WITH ROUNDED END, 18"x18", FINISH TO BE SELECTED (USED FOR DESK IN BREAK ROOM)
MISCELLANEOUS			
SS-2	HDPE TOILET PARTITION	BRADLEY	BRADMAR 1" THICK SOLID PLASTIC PARTITION, COLOR TO BE SELECTED
TRIM-1	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC12 SQ (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-2	METAL TRIM FOR WALL TILES	CERAMIC TOOL COMPANY	CTC58 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM
TRIM-3	METAL TRIM FOR CERAMIC WALL TILES	SCHLUTER	QUADEC 110 EB (OR OTHER APPROPRIATE SIZE), CORNER TRIM, CLEAR ANODIZED ALUMINUM
TRIM-4	METAL TRIM FOR CERAMIC WALL TILES	CERAMIC TOOL COMPANY	CTC716 EDGE (OR OTHER APPROPRIATE SIZE), EDGE TRIM, CLEAR ANODIZED ALUMINUM

GENERAL NOTES - FINISH PLAN:

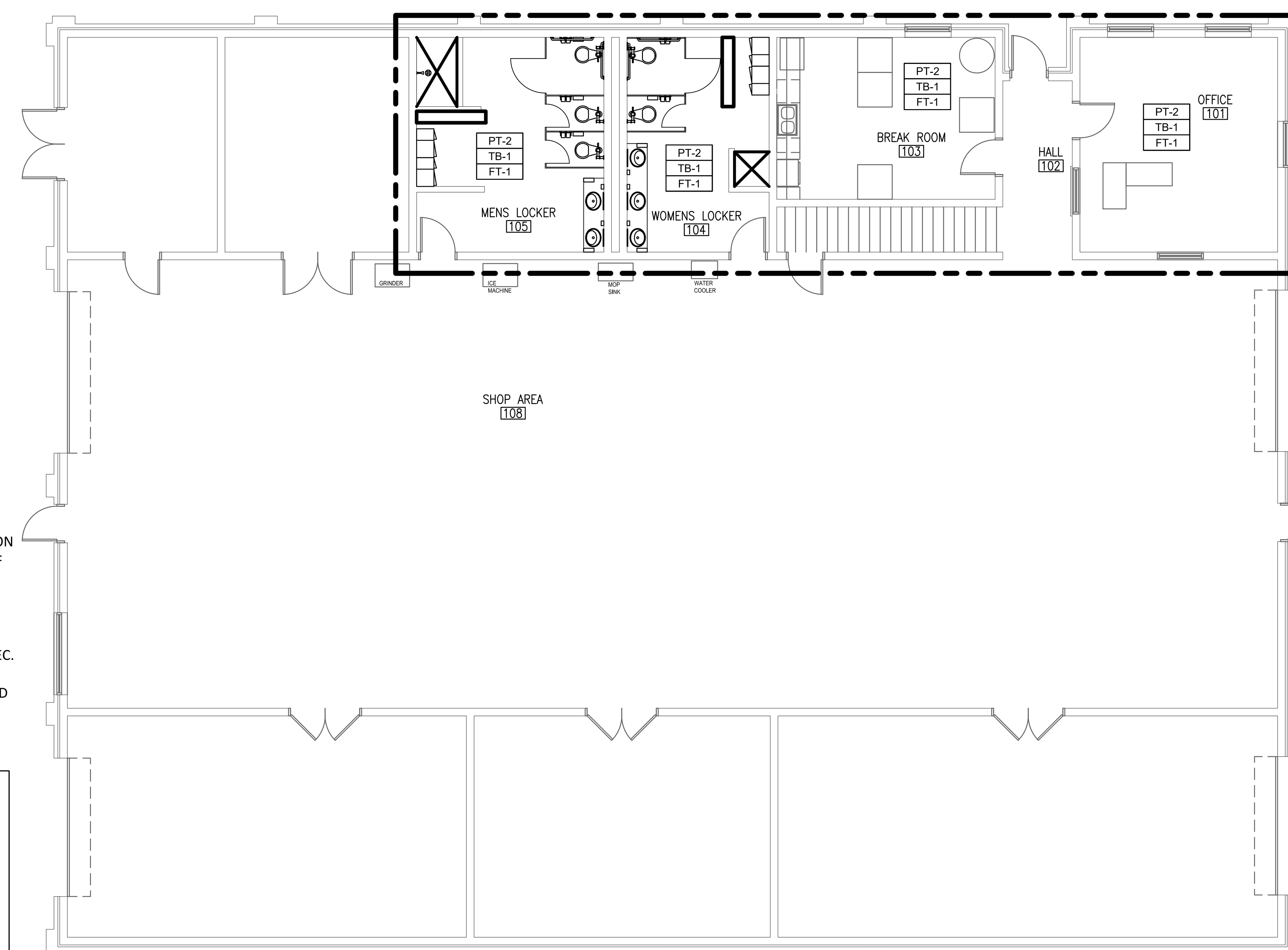
1. PAINT ALL NEW AND EXISTING TO REMAIN HOLLOW METAL DOOR FRAMES IN SCOPE OF PROJECT WITH "PT- 4" SEMI-GLOSS FINISH UNLESS NOTED OTHERWISE.
2. WHERE NEW 12 X 24 WALL TILES ARE INSTALLED, INSTALL "TRIM-2" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
3. WHERE NEW 4-1/4 X 4-1/4 WALL TILES ARE INSTALLED, INSTALL "TRIM-4" AT ALL EXPOSED EDGES OF WALL TILES. REFER TO ELEVATIONS AND DETAILS.
4. ON ALL OUTSIDE CORNER EDGES OF 12 X 24 WALL TILES, INSTALL "TRIM-1" METAL TRIM.
5. ON ALL OUTSIDE CORNER EDGES OF 4-1/4 X 4-1/4 WALL TILES, INSTALL "TRIM-3" METAL TRIM.
6. CONTRACTOR TO SUBMIT SHOP DRAWINGS THAT INDICATE LOCATION OF JOINT/SEAM OF "PL-2" BACK SPLASH TOGETHER WITH MILLWORK SUBMITTAL.

KEYED NOTES - FINISH PLAN:

1. 8" RAISED CONCRETE PLATFORM. INSTALL 8" HIGH "UCB-1" ON ALL VERTICAL FACES AND TURN 2" HORIZONTALLY AT TOP OF PLATFORM. SEE DETAIL #07/A40.2.
2. INSTALL PAINT TO MATCH EXISTING NEARBY DOOR ON THIS SIDE OF DOOR FRAME.
3. INSTALL URETHANE FLOORING WITH #90 GRIT SILICA (STONHARD'S TEXTURE #2) IN SHOWER FLOOR ONLY, SEE SPEC.
4. INSTALL MINI BLIND ON OFFICE SIDE OF DOOR FRAME. THE BLIND TO BE "CLASSIC 1" MINI BLINDS," .006" THICK SLAT AND STANDARD LADDER SPACING BY SWF CONTRACT OR EQUAL. COLOR TO BE SELECTED BY MANUFACTURER'S FULL RANGE.
5. REPLACE DAMAGED FLOOR TILES WITH NEW AS REQUIRED.

FINISH LEGEND

- WALL / BASE / FLOOR — FINISH SYMBOL
- ACCENT FINISH
- 1 — KEYED FINISH NOTES
- # SHEET — TRANSITION OF FLOOR MATERIAL



LIMITS OF RENOVATION

NORTH

01 FINISH PLAN
Scale: 1/8"= 1'-0"

PROJECT TITLE
CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE
3410 HAPPY HOLLOW LANE
FULTONDALE, AL 35068

SEAL
STATE OF ALABAMA — NOLANDA HATCHER NO. 4484 — BIRMINGHAM, ALABAMA — REGISTERED ARCHITECT

STUDIO 2H DESIGN — STUDIO 2H DESIGN, LLC
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RELEASED FOR CONSTRUCTION ☐

DATE: 03.29.2024
DRAWN BY: JCJ
REVIEWED BY: NH

REVISIONS

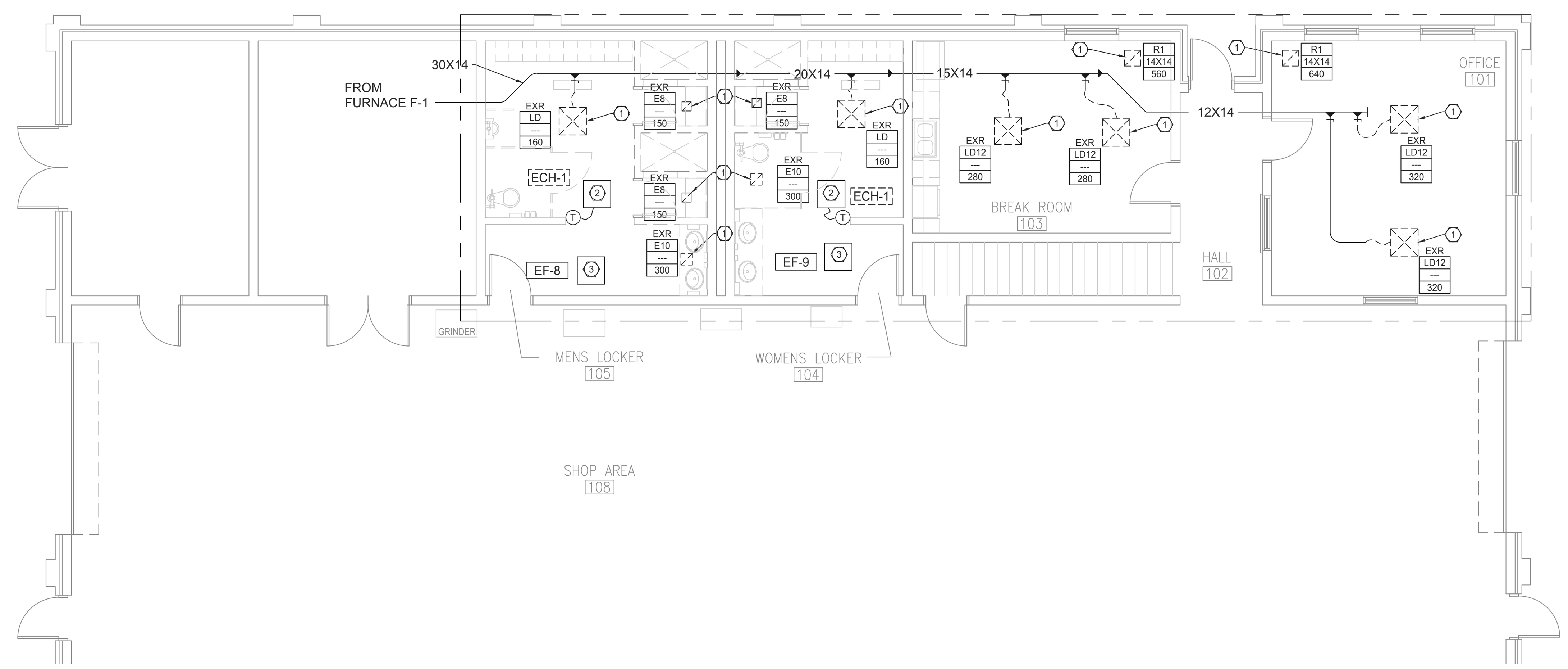
NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
FIVE MILE MAINTENANCE BUILDING
SHEET TITLE
FINISH PLAN, SCHEDULES, & NOTES
DRAWING NUMBER
A19.2
PROJECT NUMBER
202123

BBG&S
Engineering Consultants, Inc.
HVAC - PLUMBING - FIRE PROTECTION
2870 Old Rocky Ridge Road, Suite 115
Brimingham, AL 35243
Phone: 205-995-4979
web: bbgs.pro

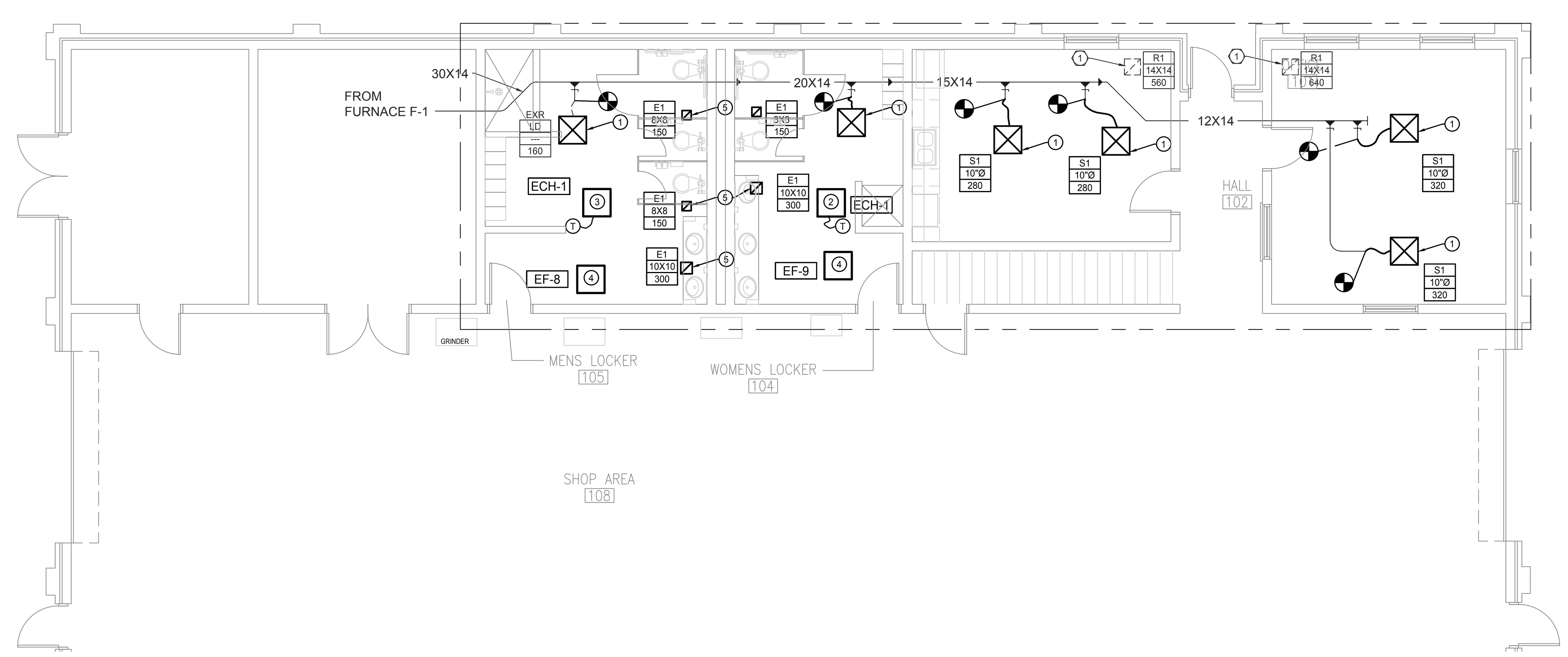
DESIGN BY: LJB | DRAWN BY: LJB | CHECKED BY: LJB | BBGS NO: 21.09.192



7 DEMOLITION HVAC DUCTWORK MEZZANINE PLAN - MAINTENANCE BLDG
1/8" = 1'-0"

DEMOLITION KEYED NOTES:

1. DEMOLISH AND REMOVE EXISTING SUPPLY AND EXHAUST AIR DEVICES COMPLETE.
2. EXISTING ELECTRIC CEILING HEATER REMOVE AND REINSTALL TO ACCOMMODATE NEW CEILING. REMOVE AND REINSTALL EXISTING THERMOSTAT.
3. EXISTING EXHAUST FAN REMOVE AND RELOCATE TO ACCOMMODATE NEW CEILING.
4. DEMOLISH AND REMOVED EXISTING EXHAUST GRILLE, EXISTING 18X18DUCTWORK TO REMAIN.



7 HVAC DUCTWORK PLAN - MAINTENANCE BLDG
1/8" = 1'-0"

KEYED NOTES:

1. INSTALL NEW AIR DEVICES IN NEW LAY IN CEILING, COORDINATE WITH CEILING GRID AND LIGHTS, AND OTHER CEILING DEVICES. PROVIDE NEW INSULATED FLEX DUCTWORK AND RECONNECT TO EXISTING ROUND RUNOUT.
2. TEST, ADJUST AND BALANCE ALL AIR DEVICES SHOWN FOR THE AIR FLOWS PROVIDED.
3. RE-INSTALL EXISTING ELECTRIC CEILING HEATER AND WALL MOUNTED THERMOSTAT COMPLETE AND MAKE FULLY OPERATIONAL.
4. RE-INSTALL EXISTING EXHAUST FAN COMPLETE AND MAKE FULLY OPERATIONAL.
5. CONNECT NEW EXHAUST GRILLE TO EXISTING EXHAUST DUCTWORK.

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 25612 LAWRENCE J. BOWNESS
21.09.192
3/29/24

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NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24
DRAWN BY: LJB
REVIEWED BY: LJB

REVISIONS

NO	DATE	Description

LOCATION
FIVE MILE
MAINTENANCE BUILDING

SHEET TITLE
FLOOR PLAN HVAC DEMOLITION AND NEW WORK

DRAWING NUMBER
M19.0

PROJECT NUMBER
202123

DEMOLITION NOTES

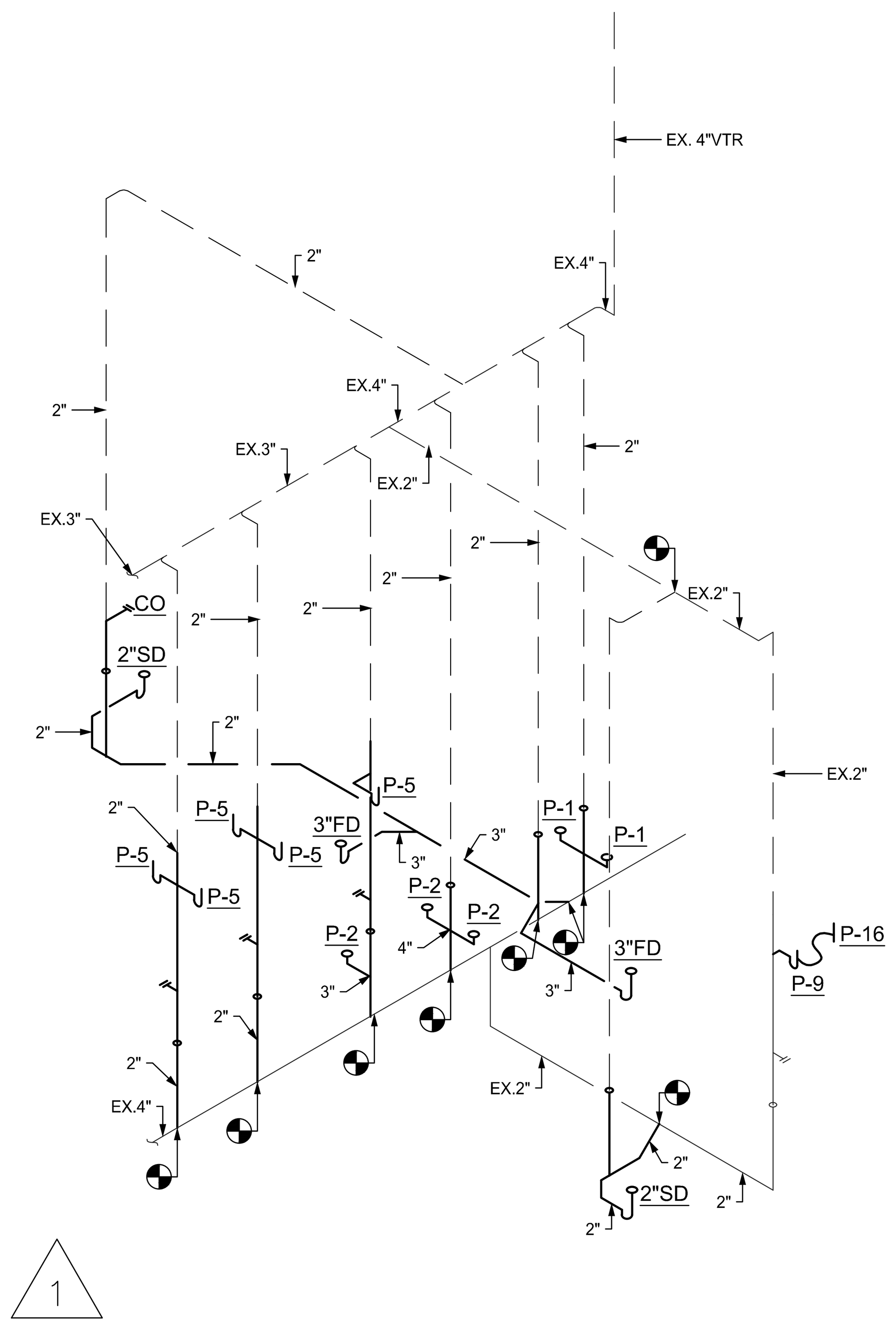
1. DISCONNECT AND REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
2. DISCONNECT AND REMOVE EXISTING URNINAL COMPLETE. REMOVE EXISTING CW, SAN, AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
3. DISCONNECT AND REMOVE EXISTING LAVATORY COMPLETE. REMOVE EXISTING CW, HW , WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
4. DISCONNECT AND REMOVE EXISTING 2 COMPARTMENT SINK COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALLS, MAINTAIN ALL FIRE RATINGS.
5. DISCONNECT AND REMOVE EXISTING SHOWER DRAIN AND SHOWER FITTINGS COMPLETE. REMOVE EXISTING CW, HW, WASTE AND VENT BACK TO ACTIVE MAINS AND CAP. SAW CUT FLOOR AND PATCH TO MATCH EXISTING.
6. DISCONNECT AND REMOVE EXISTING WATER COOLER COMPLETE. REMOVE EXISTING CW, WASTE AND VENT BACK TO EXTENT AS REQUIRED FOR FIT-UP. PATCH HOLES IN WALL, MAINTAIN ALL FIRE RATING.
7. DISCONNECT AND REMOVE EXISTING FLOOR DRAIN COMPLETE. REMOVE EXISTING WASTE AND VETN BACK TO ACTIVE MAINS AND CAP.SAW CUT FLOOR AND PATCH TO MATCH EXISTING.

GENERAL DEMOLITION NOTES

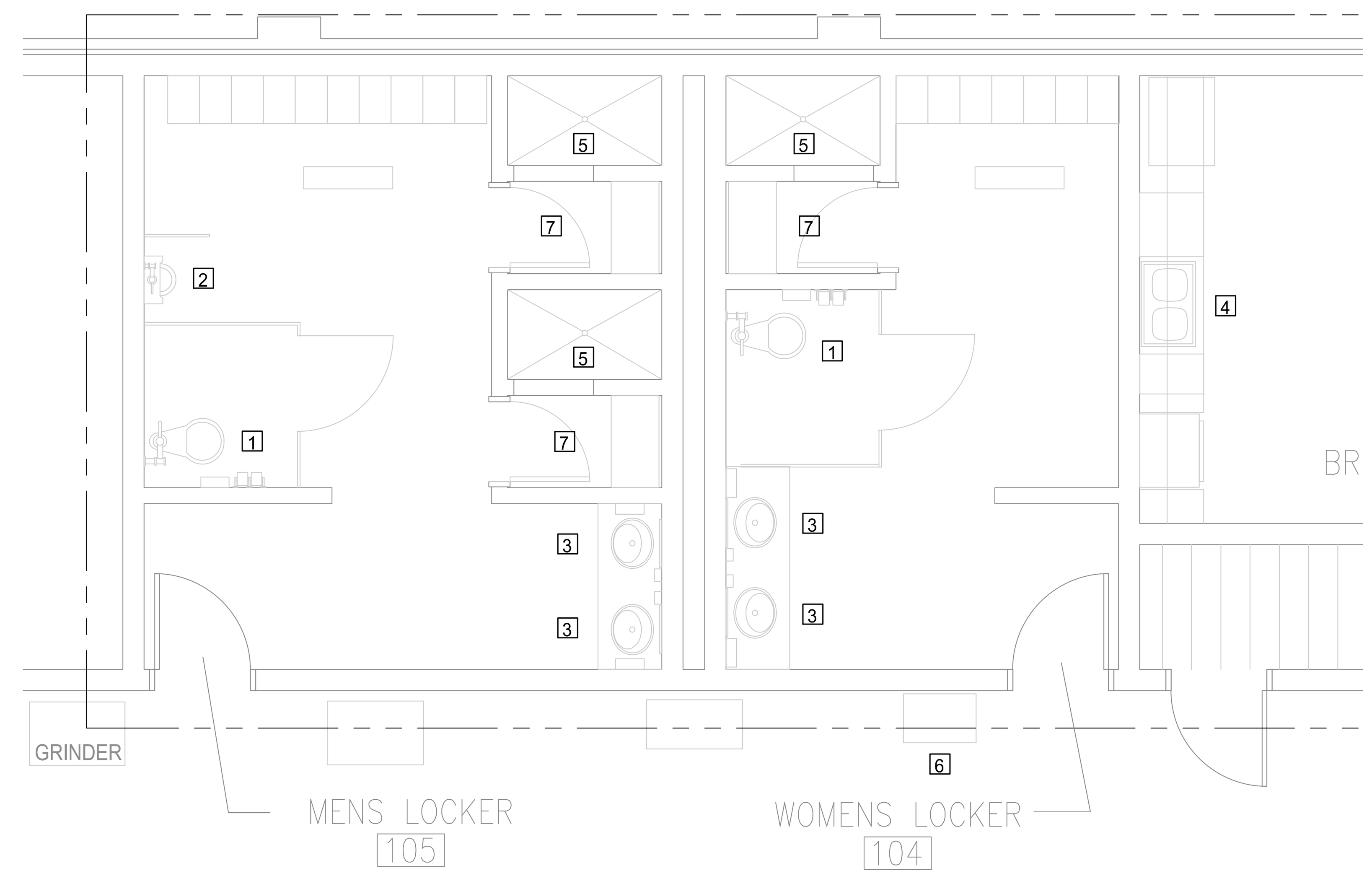
1. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, REMOVE THE FIXTURE/EQUIPMENT, ROUGH-IN AND ALL PIPING BACK TO MAINS AND CAP. REMOVE ALL ABANDONED PIPING FROM SITE.
2. DO NOT ABANDON ANY PIPING IN WALLS, BELOW SLAB , ABOVE CEILING. ALL BRANCH PIPING SERVING FIXTURES BEING REMOVED SHALL BE TAKEN BACK TO ACTIVE MAINS AND CAPPED.
3. WHEN REPLACING EXISTING PLUMBING FIXTURES WITH NEW PLUMBING FIXTURES WITHIN THE SAME GENERAL VICINITY, THE PLUMBING CONTRACTOR SHALL MODIFY EXISTING PLUMBING CONNECTIONS, INCLUDING BUT NOT LIMITED TO DOMESTIC WATER, SANITARY, WASTE, VENT, NATURAL GAS, ETC, TO ACCOMMODATE NEW FIXTURE LOCATION AND CONNECTION POINTS SO AS TO MAKE A 100% COMPLETE OPERABLE SYSTEM.
4. WHERE FIXTURES OR EQUIPMENT ARE INDICATED TO BE REMOVED, THE OWNER HAS THE FIRST RIGHT OF REFUSAL. THE FIXTURE OR EQUIPMENT IS TO REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL DELIVER THE FIXTURES OR EQUIPMENT TO THE OWNERS STORAGE FACILITY AS DIRECTED BY THE OWNER. SHOULD THE OWNER DECIDE NOT TO RETAIN THE FIXTURES OR EQUIPMENT, THE FIXTURES AND EQUIPMENT BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
5. WHERE, BY NECESSITY, EXISTING SYSTEMS ARE TO REMAIN ACTIVE DURING DEMOLITION (*EG. STORM AND ROOF DRAINS*), PROVISIONS SHALL BE MADE FOR THE TEMPORARY RE-ROUTING OF THE SYSTEM. ANY PIPING INSTALLED ON A TEMPORARY BASIS IS NOT CONSIDERED A PERMANENT, FINAL PRODUCT.
6. THE OPENING OF ANY FLOORS, WALLS OR CEILINGS TO GAIN ACCESS TO PIPING SHALL BE PATCHED TO MATCH EXISTING ONCE WORK HAS BEEN CONCLUDED.
7. PLUMBING CONTRACTOR SHALL PERFORM A SITE VISIT TO SURVEY THE EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK. ANY DISCREPANCIES FOUND BETWEEN EXISTING CONDITIONS AND THESE DOCUMENTS SHALL BE REPORTED, IN WRITING, TO THE ARCHITECT AND ENGINEER OF RECORD.

DRAWING NOTES

1. PROVIDE SPECIFIED FIXTURE AT LOCATON NOTED. MODIFY EXISTING ROUGH-IN / PIPING AS REQUIRED TO PROVIDE COMPLETE INSTALLATION.

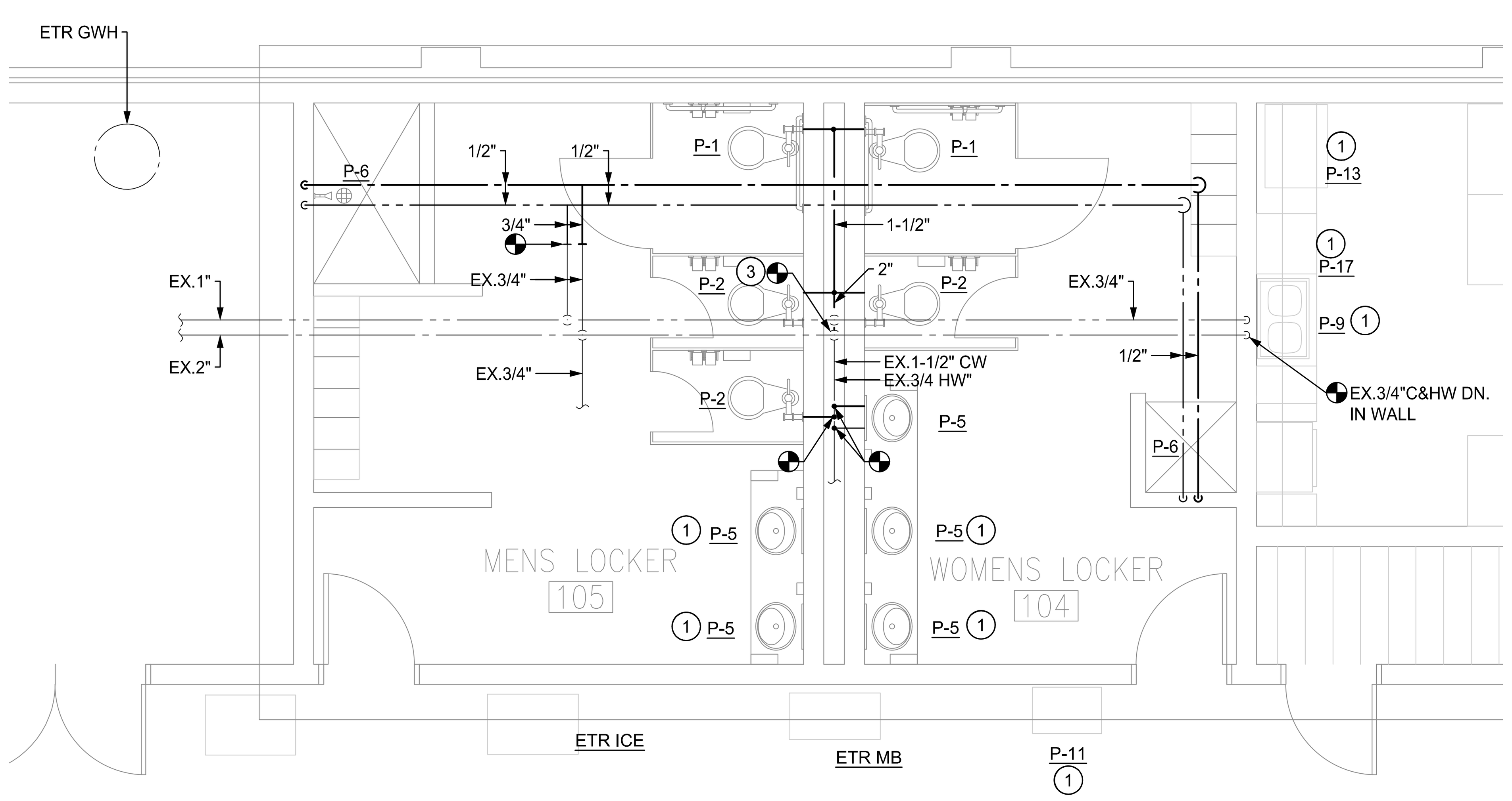


04 P19.0 PLUMBING RISER DIAGRAM
Scale:NTS



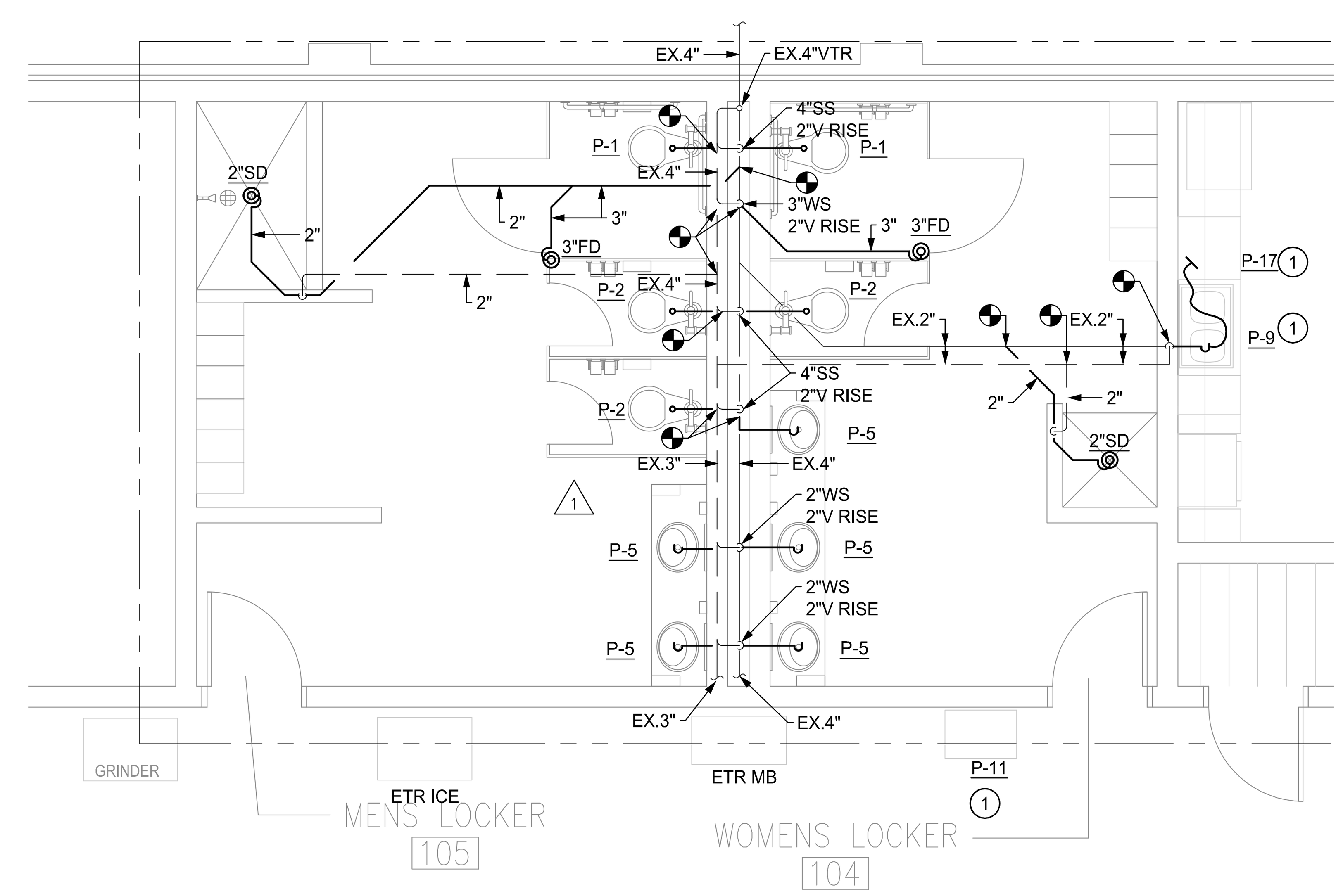
NORTH

01 P19.0 PLUMBING DEMOLITION PLAN
Scale: 1/4"= 1'-0"



NORTH

03 P19.0 PLUMBING PRESSURE NEW WORK PLAN
Scale:1/4"= 1'-0"



NORTH

02 P19.0 PLUMBING NON PRESSURE NEW WORK PLAN
Scale:1/4"= 1'-0"

BBG&S Engineering Consultants, Inc.
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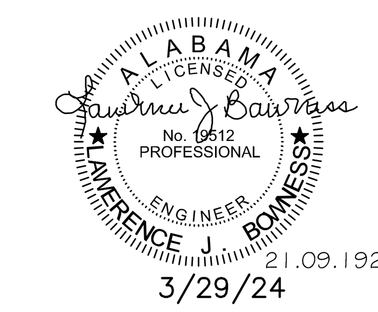
DESIGN BY: LJB ✦ DRAWN BY: LJB ✦ CHECKED BY: LJB ✦ BBGS NO: 21.09.192

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

SEAL



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RELEASED FOR CONSTRUCTION ■

DATE: 3/29/24

DRAWN BY: LJB

REVIEWED BY: LJB

REUSE OF DOCUMENTS

REVISIONS

NO	DATE	Description

LOCATION

FIVE MILE
MAINTENANCE BUILDING

SHEET TITLE

PLUMBING DEMOLITION & NEW WORK PLANS

DRAWING NUMBER

P19.0

PROJECT NUMBER

202123

GENERAL NOTES THIS SHEET:

A. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR LIGHT FIXTURES THAT NEED TO BE REMOVED AND REINSTALLED FOR DEMOLITION AND/OR INSTALLATION OF HVAC EQUIPMENT, DUCTWORK, AND/OR PIPING.

B. WHERE EXISTING LAY-IN CEILINGS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL TIE UP EXISTING LIGHTS AS REQUIRED. EXISTING LIGHTS SHALL BE RE-INSTALLED IN NEW CEILING GRID AS REQUIRED. COORDINATE WITH THE GENERAL CONTRACTOR AS REQUIRED.

C. UNLESS SHOWN OTHERWISE THE ELECTRICAL CONTRACTOR SHALL REFER TO MECHANICAL,PLUMBING, AND FIRE PROTECTION DRAWINGS AS REQUIRED FOR ASSOCIATED EQUIPMENT BEING DEMOLISHED. CONTRACTOR SHALL DISCONNECT AND REMOVE ASSOCIATED DISCONNECT, STARTER, CONDUIT, AND WIRING COMPLETE BACK TO SOURCE.

D. ELECTRICAL CONTRACTOR SHALL FURNISH ARCH FLASH WARNING LABELS ON ALL PANELBOARDS SHOWN ON THIS SHEET PER NEC 110.16.

E. ALL EXIT SIGNS SHALL BE CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

F. FIXTURES DESIGNATED WITH 'NL' SHALL HAVE THE ENTIRE FIXTURE (INCLUDING BATTERY PACK) CONNECTED TO THE LIGHTING CIRCUIT SHOWN AHEAD OF THE SWITCHLEG FOR CONTINUOUS OPERATION.

G. FIXTURES WITH AN EMERGENCY BATTERY PACK SHALL HAVE THE EMERGENCY BATTERY PACK CONNECTED AHEAD OF THE SWITCHLEG FOR CONTINUOUS POWER. BATTERY SHALL ENERGIZE FIXTURE UPON LOSS OF POWER REGARDLESS OF SWITCH POSITION

* PLAN NOTES THIS SHEET:

1. EXISTING LIGHTING IN THIS AREA TO BE REMOVED COMPLETE TO THE NEXT UPSTREAM DEVICE THAT IS TO REMAIN.
2. EXISTING LIGHTING IN THIS AREA TO REMAIN. PROTECT EXISTING LIGHTS, SWITCHING, AND WIRING AS REQUIRED.
3. CONNECT TO EXISTING LIGHTING CIRCUIT IN LOCKER ROOM WITH 2#12, 1#12G-3/4"C. REWORK SWITCHING AS SHOWN.
4. CONNECT TO NEW 20/1 BREAKER AT NEAREST 120/208 VOLT PANEL WITH 2#12, 1#12G-3/4"C. BREAKER TO BE MOUNTED IN AVAILABLE SPACE. MATCH MANUFACTURER AND AIC RATING OF PANEL.

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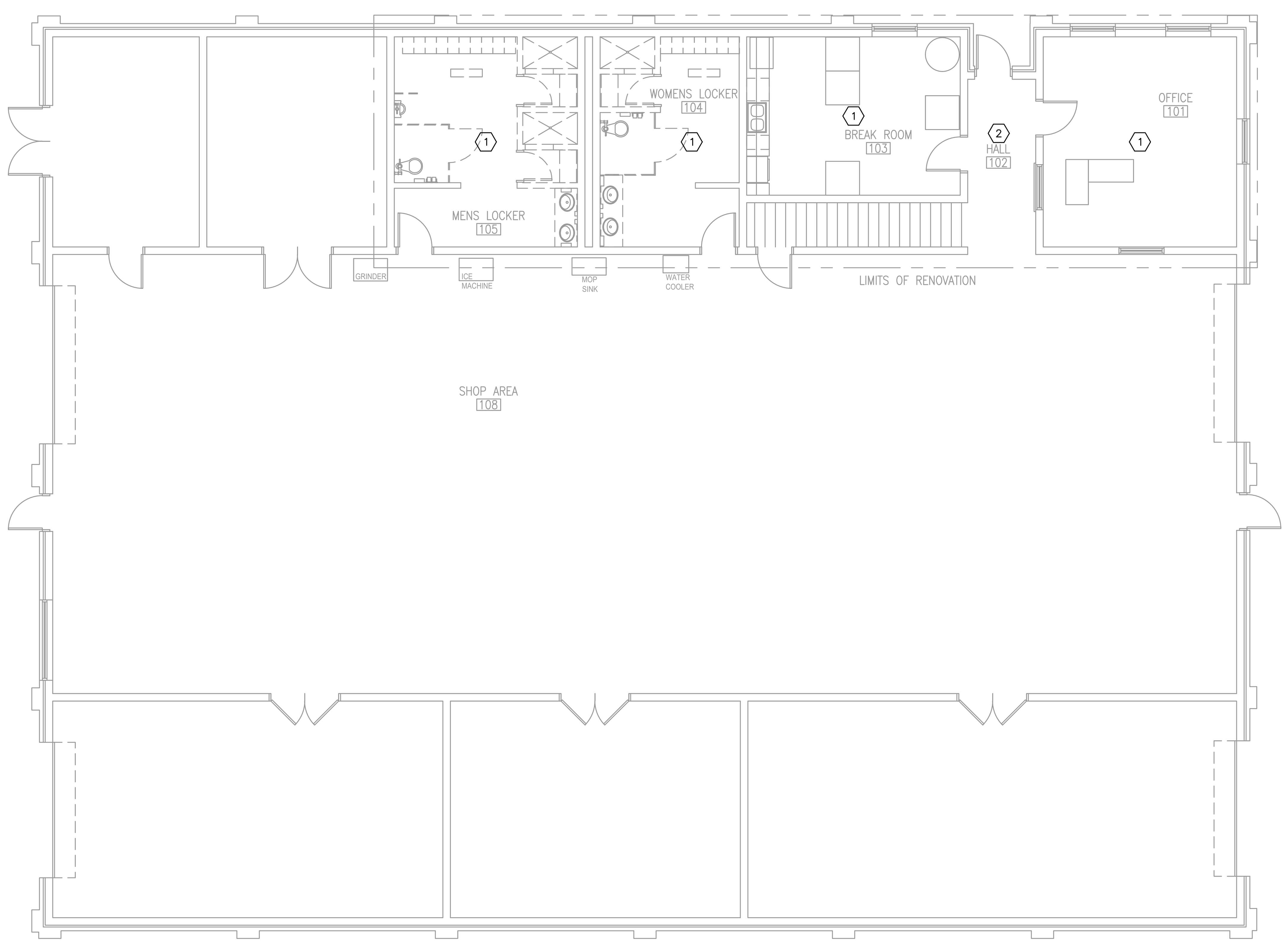
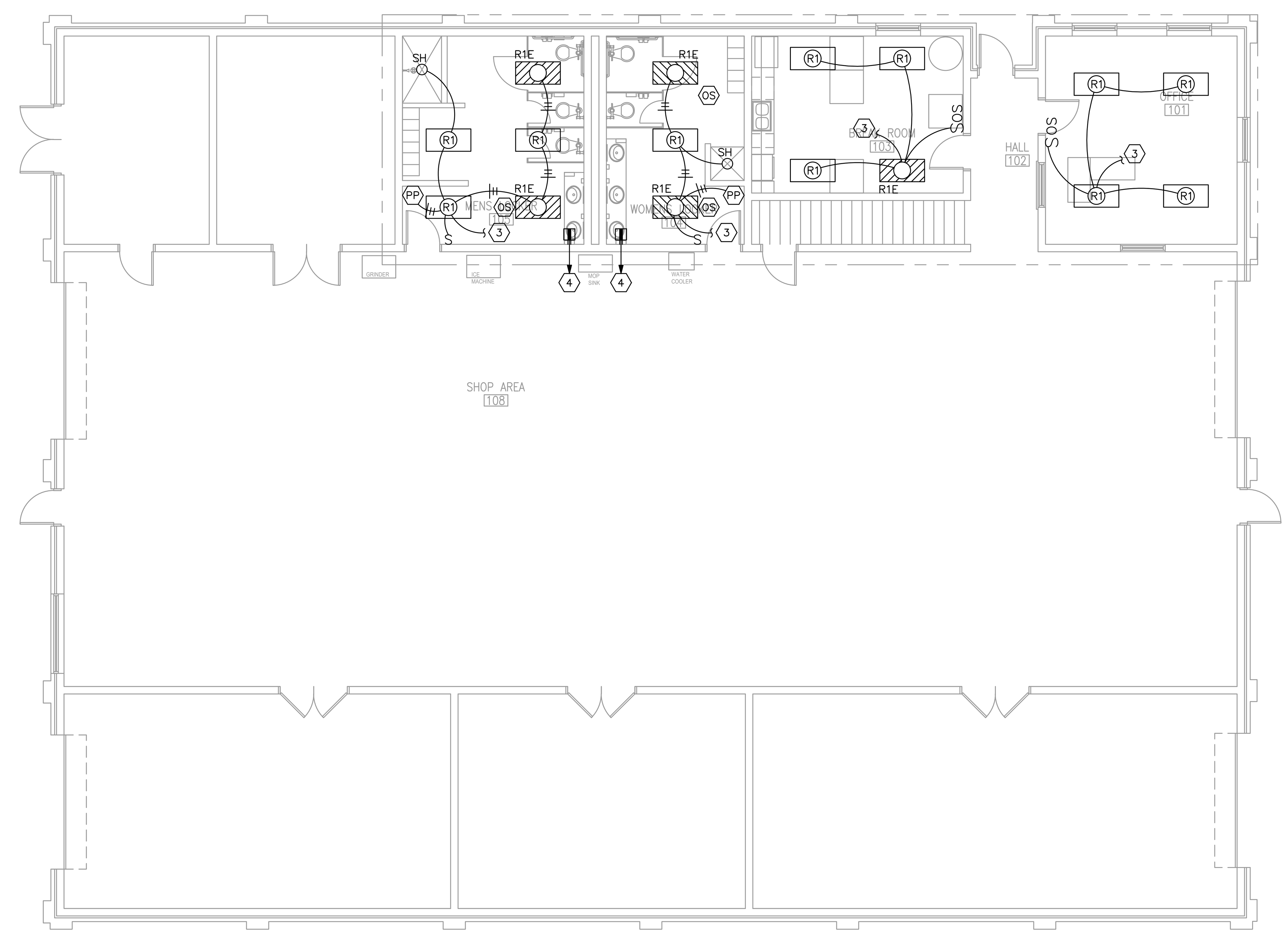
CCE No. 22S2H05 Date: Apr 10, 2024
File: EP-19.dwg Time: 3:56:46 pm



FLOOR PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"
NORTH



FLOOR PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
NORTH

PROJECT TITLE

CAPITAL IMPROVEMENTS FOR SHADES VALLEY, VILLAGE CREEK, AND FIVE MILE

3410 HAPPY HOLLOW LANE
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SEAL

STATE OF ALABAMA
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JAMIE L. BAILEY
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RELEASED FOR CONSTRUCTION ■

DATE: 03/29/2024

DRAWN BY: JLB

REVIEWED BY: JLB

REVISIONS

NO	DATE	Description

JEFFERSON COUNTY ALABAMA

LOCATION
FIVE MILE
MAINTENANCE BUILDING

SHEET TITLE
FLOOR PLANS - ELECTRICAL

DRAWING NUMBER
E19.0

PROJECT NUMBER
202123

30% DESIGN REVIEW