CANIZARO CAWTHON DAVIS
A Professional Association
601.948.7337
CCDarchitects.com

129 South President Street
Jackson, Mississippi 39201

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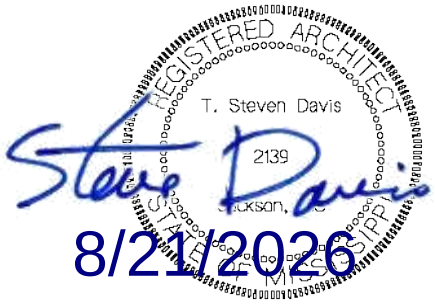
ADDENDUM NUMBER ONE (1)

Date: August 18, 2026



Project Name: Workforce Development Center
Leake County
Frontage Road
Carthage, Mississippi 39051

CCD Project: 25005

Copies To: All bid document holders of record
Leake County Board of Supervisors
Leake County Development Association
East Central Community College
Consultants

The following changes, additions, deletions, clarifications and/or substitutions to the project manual (including the Specifications) and Drawings dated June 26, 2026 are hereby made part of the Contract Documents. Receipt of this addendum shall be acknowledged by inserting its number and date in the Bid Proposal Form where indicated.

REFER TO THE SPECIFICATIONS

1.1 Change client information and project address on the Contract Documents to the following:
LEAKE COUNTY BOARD OF SUPERVISORS
245 HIGHWAY 25 NORTH, CARTHAGE, MS 39051

1.2 **Section 001000 Advertisement for Bids**: Replace with attached Section 001000 R1.

1.3 **Section 005200 Standard Form of Agreement:** Add attached Section 005200.

1.4 **Section 084413 Glazed Aluminum Curtainwall**: Add paragraph 2.2.H as follows:

H. Internal Steel: Provide internal steel reinforcement where required by the approved shop drawings and structural calculations to satisfy the specified design wind loads, deflection limits, seismic loads, and other performance requirements.

1.5 **Section 101401 Interior Signage**: Delete paragraph 1.2 Allowance in its entirety.

REFER TO THE DRAWINGS

1.6 Change client information and project address on the Contract Documents to the following:
LEAKE COUNTY BOARD OF SUPERVISORS
245 HIGHWAY 25 NORTH, CARTHAGE, MS 39051

1.7 **C4 GRADING PLAN:** Replace with attached C4 R1 dated as revised August 18, 2026.

1.8 **C6 STORM DRAIN PLAN:** Replace with attached C6 R1 dated as revised August 18, 2026.

1.9 **A531 Stair Details, Detail 5 Typical Perforated Panel:** Omit screw attachment. Fillet weld the perforated guardrail panels to the guardrail frame.

1.10 **P001 ABBREVIATIONS, LEGEND, & NOTES:** Replace with attached P001 R1 dated as revised August 18, 2026.

1.11 **P101 PLUMBING FLOOR PLAN – SANITARY SEWERS & STORM DRAINS:** Replace with attached P101 R1 dated as revised August 18, 2026.

1.12 **P103 PLUMBING ROOF PLAN:** Replace with attached P103 R1 dated as revised August 18, 2026.

1.13 **P501 PLUMBING DETAILS:** Replace with attached P501 R1 dated as revised August 18, 2026.

1.14 **P602 PLUMBING SCHEDULES:** Replace with attached P602 R1 dated as revised August 18, 2026.

1.15 **FP001 ABBREVIATIONS, LEGENDS & NOTES**: Replace with attached FP001R1 dated as revised August 18, 2026.

1.16 **FP101 FIRE PROTECTION FLOOR PLAN:** Replace with attached FP101 R1 dated as revised August 18, 2026.

1.17 **FP501 FIRE PROTECTION DETAILS:** Replace with attached FP501 R1 dated as revised August 18, 2026.

1.18 **FP601 FIRE PROTECTION SCHEDULES:** Replace with attached FP601 R1 dated as revised August 18, 2026.

1.19 **M001 ABBREVIATIONS, LEGEND, & NOTES:** Replace with attached M001 R1 dated as revised August 18, 2026.

1.20 **M101 FIRST FLOOR MECHANICAL PLAN:** Replace with attached M101 R1 dated as revised August 18, 2026.

1.21 **M703 MECHANICAL CONTROLS:** Replace with attached M703 R1 dated as revised August 18, 2026.

1.22 **M704 MECHANICAL CONTROLS:** Replace with attached M704 R1 dated as revised August 18, 2026.

1.23 **E-1 SITE PLAN:** Replace with attached E-1 R1 dated as revised August 18, 2026.

1.24 **E-3 FIRST FLOOR PLAN LIGHTING:** Replace with attached E-3 R1 dated as revised August 18, 2026.

END OF ADDENDUM NUMBER ONE (1)

SECTION 001000 R1 – ADVERTISEMENT FOR BIDS

PROJECT INFORMATION

Workforce Development Center
Leake County
Frontage Road
Carthage, MS 39051

CCD Project 25005

BID SUBMISSIONS

A. Sealed bids will be electronically received via received as follows:

Electronic: https://bidnowsolutions.com/leake-county-mississippi/

Mail: PO Box 595
Carthage, Mississippi 39051

Hand Delivery: Belinda M. Atkinson – Purchase Clerk
Leake County Board of Supervisors
101 Court Square
Carthage, Mississippi 39051

B. Bids will be received until 2:00 p.m. on Thursday, September 3, 2026 at which time they will be opened and read.

PROCUREMENT DOCUMENTS

A. **Electronic** procurement documents may be obtained at: https://bidnowsolutions.com/leake-county-mississippi/

B. **Printed** procurement documents may be ordered from the plan room of Jackson Blueprint & Supply, Inc. 669 Monroe Street, Jackson, MS 39202. https://planroom.jaxblue.com. All printing and shipping costs shall be the responsibility of the Plan Holder.

ADDITIONAL INFORMATION

A. Bid preparation will be in accordance with Instructions to Bidders bound in the Project Manual.
B. Leake County reserves the right to waive irregularities and to reject any or all bids.
C. Telephones and desks will not be available for bidders use at the bid site.
D. An optional Pre-Bid Conference will be conducted at the project site on Thursday, August 20, 2026 at 9:30 AM.
E. Dates of Publication:

August 6, 2026
August 13, 2026

END OF SECTION 001000 R1

SECTION 005200 - STANDARD FORM OF AGREEMENT

PART 1 - GENERAL

1.1 DESCRIPTION

A. The "Standard Form of Agreement Between Owner and Contractor" where the basis of payment is a Stipulated Sum, AIA Document A101, 2017 Edition will be executed for this project.

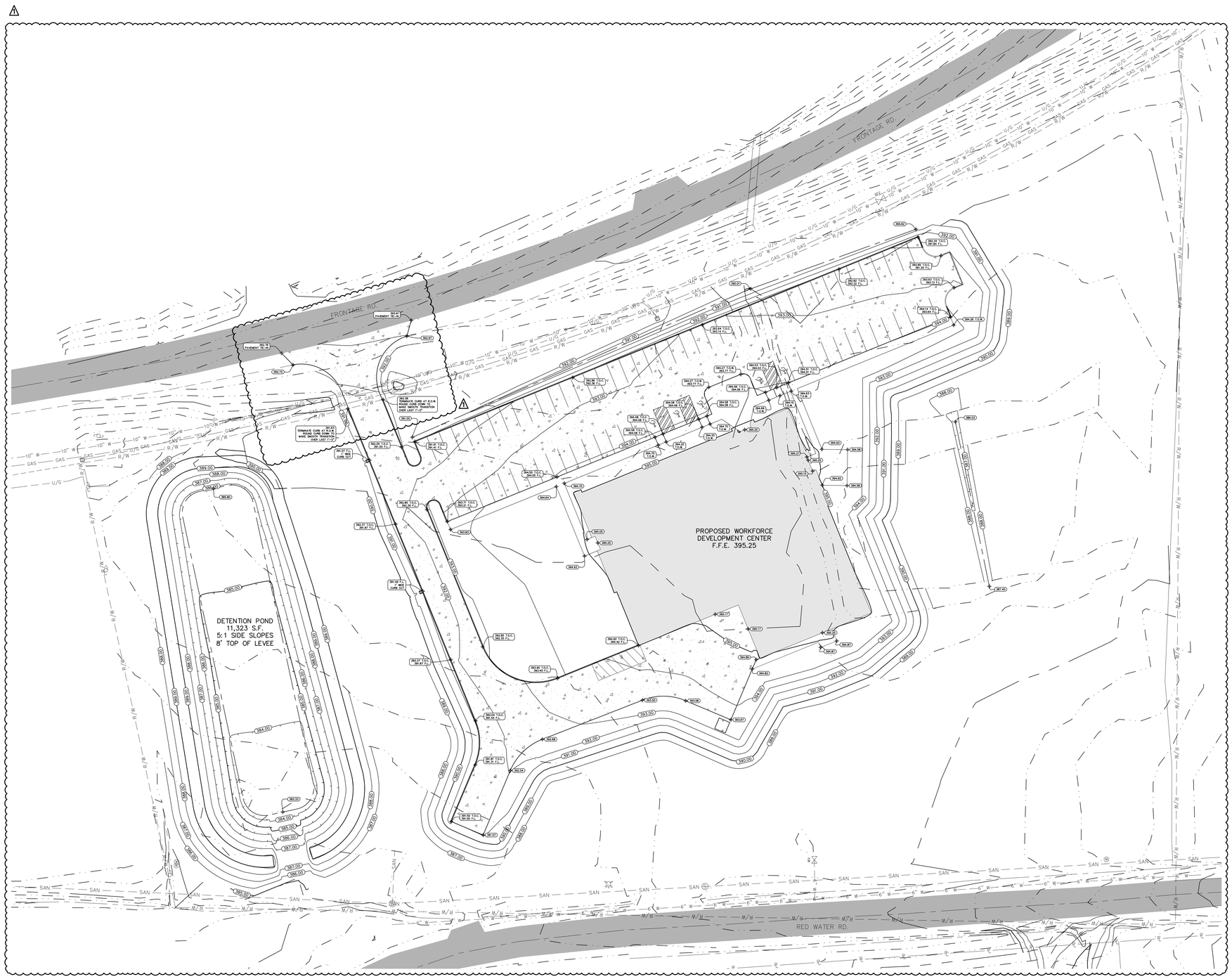
B. The "Standard Form of Agreement Between Contractor and Sub-Contractor" AIA Document A401, 2017 Edition, will also be executed for this project for each sub-contractor.

C. Contractors are presumed to be familiar with these documents.

PART 2 - PRODUCTS Not Used

PART 3 - EXECUTION Not Used

END OF SECTION 005200



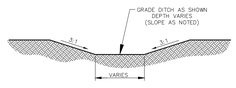
SCALE: 1" = 30'

NOTE:

FINAL GRADES INDICATED ON THE DRAWINGS ARE INTENDED TO REPRESENT FINISHED LANDSCAPE ELEVATIONS, INCLUDING REQUIRED PLANTING SOIL AND BEDDING MATERIALS. ESTABLISH SUBGRADE ELEVATIONS AS NECESSARY TO ACCOMMODATE SPECIFIED LANDSCAPE MATERIALS WHILE MAINTAINING THE INDICATED FINISHED GRADES.

LEGEND

- POWER POLE
- LIGHT POLE
- SEWER MANHOLE
- STORM DRAINAGE MANHOLE
- WV WATER VALVE
- WATER METER
- FIRE HYDRATE
- CLEAN OUT
- STORM INLET
- GAS METER
- GV GAS VALVE
- PROPERTY LINE
- GAS — GAS — GAS — GAS MAIN
- SAN — SAN — SAN — EXISTING SEWER MAIN
- FM — FM — FM — SEWER FORCE MAIN
- STORM WATER DRAIN PIPE
- UGT — UGT — UNDERGROUND AT&T CABLE
- UE — UE — UE — UNDERGROUND ELECTRICAL
- OHE — OHE — OHE — OVERHEAD POWER
- W — W — W — WATER LINE
- 6" W — 6" W — 6" W — EXISTING 6" WATER LINE
- 10" W — 10" W — 10" W — EXISTING 10" WATER LINE
- FLOW LINE DITCH/SWALE
- CHAIN LINKED FENCE
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- DEBRIS PILE
- EXISTING CONCRETE PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT



PROPOSED FLAT BOTTOM DITCH
SCALE: N.T.S.

GARDNER
ENGINEERING P.A.
ENGINEERING–SURVEYING–TESTING–INSPECTION
EST. 1995
Rulevillle OFFICE
P.O. BOX DRAWER A
216 SECOND ST.
Ruleville, MS 38771
PHONE: 662-887-1862
FAX: 662-887-1996
KOSCIUSKO OFFICE
111 S. MADISON ST.
KOSCIUSKO, MS 39090
PHONE: 662-290-0708
FAX: 662-290-0709

CCD ARCHITECTS
PLANNERS · INTERIOR DESIGNERS
CANIZARO CAWTHON DAVIS
A PROFESSIONAL ASSOCIATION
129 SOUTH PRESIDENT STREET
JACKSON, MISSISSIPPI 39201

CHRISTIAN GARDNER
REGISTERED PROFESSIONAL
ENGINEER
19815
STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

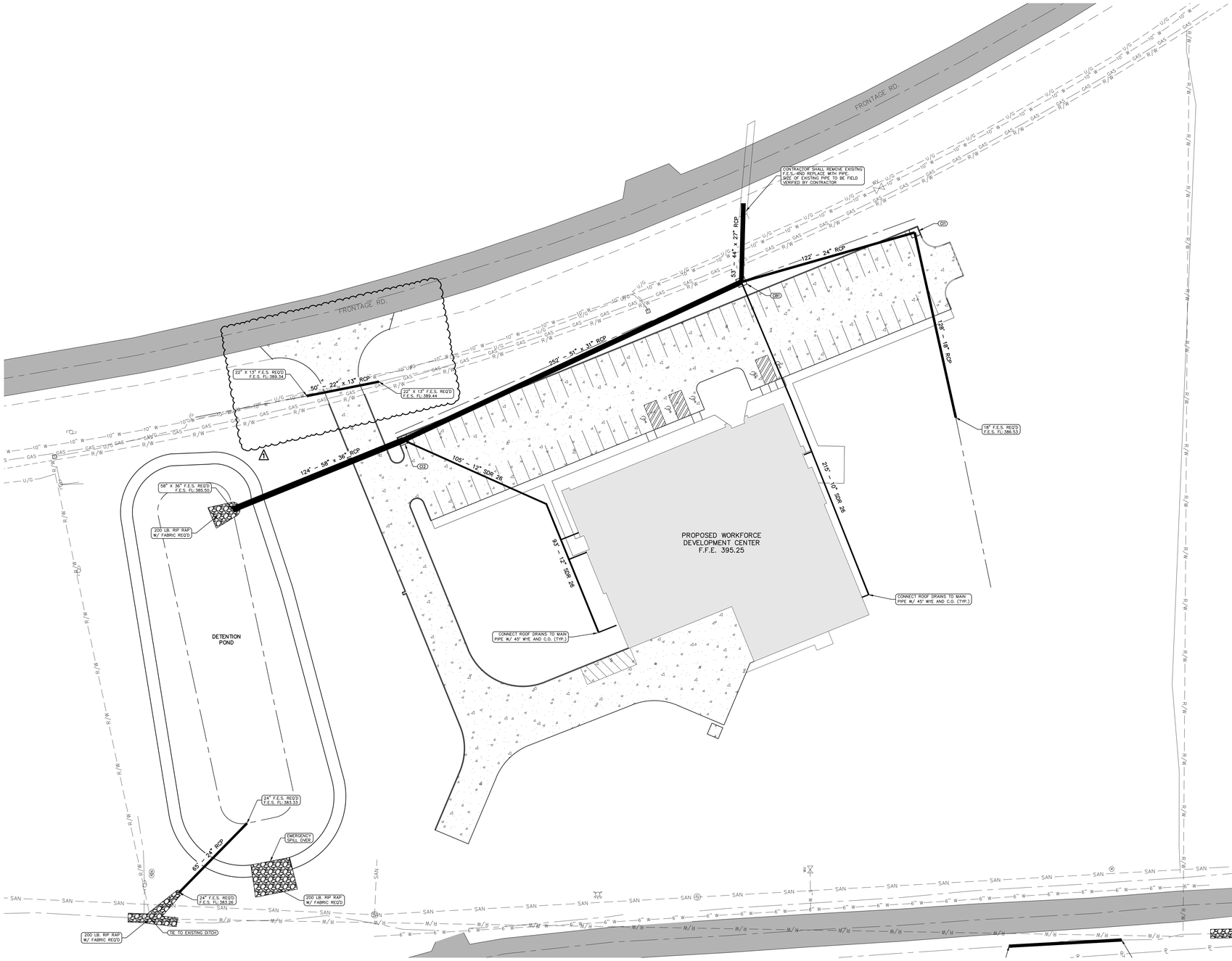
CCD PROJECT NUMBER **25005**

DATE ISSUED
JUNE 26, 2026

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DRAWING TITLE
GRADING PLAN

DRAWING NUMBER
C4.0 R1



SCALE: 1" = 30'

DRAINAGE SCHEDULE

NAME	STRUCTURE DETAILS
CI-1	TOP: 391.84 INV IN: 386.33 (18") INV OUT: 386.13 (24")
CB-1	TOP: 391.73 INV IN: 385.98 PIPE (24") INV IN: 385.98 PIPE (36") INV OUT: 385.88 PIPE (51"x31")
CI-2	TOP: 390.93 INV IN: 385.75 PIPE (51"x31") INV OUT: 385.70 PIPE (58"x36")

NOTE:

ALL PIPE LENGTHS ARE MEASURED FROM CENTER OF INLET. PIPE LENGTHS INCLUDE FLARED END SECTIONS (F.E.S.) WHERE SHOWN.

LEGEND

- POWER POLE
- LIGHT POLE
- SEWER MANHOLE
- STORM DRAINAGE MANHOLE
- WATER VALVE
- WATER METER
- FIRE HYDRATE
- CLEAN OUT
- STORM INLET
- GAS METER
- GAS VALVE
- PROPERTY LINE
- GAS MAIN
- EXISTING SEWER MAIN
- SEWER FORCE MAIN
- STORM WATER DRAIN PIPE
- UNDERGROUND AT&T CABLE
- UNDERGROUND ELECTRICAL
- OVERHEAD POWER
- WATER LINE
- EXISTING 6" WATER LINE
- EXISTING 10" WATER LINE
- FLOW LINE DITCH/SWALE
- CHAIN LINKED FENCE
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- DEBRIS PILE
- EXISTING CONCRETE PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE PAVEMENT

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129 SOUTH PRESIDENT STREET
JACKSON, MISSISSIPPI 39201

CHRISTIAN GARDNER
REGISTERED PROFESSIONAL
ENGINEER
23015
STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER

LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

DATE ISSUED
JUNE 26, 2026

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

GARDNER ENGINEERING P.A.
ENGINEERING–SURVEYING–TESTING–INSPECTION
Ridgeville OFFICE
P.O. BOX DRAWER A
219 SECOND ST.
Ridgeville, MS 38701
PHONE: 662-887-1862
FAX: 662-887-1996
KOSCIUSKO OFFICE
111 S. MADISON ST.
KOSCIUSKO, MS. 39090
PHONE: 662-290-0708
FAX: 662-290-0709

DRAWING TITLE
STORM DRAIN PLAN

DRAWING NUMBER
C6.0 R1

PLUMBING SHEET INDEX

CODE REVIEW

APPLICABLE CODES (BASIS OF DESIGN)
CODE REQUIREMENTS INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

2024 INTERNATIONAL BUILDING CODE

2024 INTERNATIONAL FUEL GAS CODE

2024 INTERNATIONAL PLUMBING CODE

2024 INTERNATIONAL MECHANICAL CODE

2024 NATIONAL ELECTRICAL CODE

PLUMBING LEGEND

PIPING

	PIPE / FIXTURE DEMOLITION
— — —	DOMESTIC COLD WATER PIPING
— — —	DOMESTIC HOT WATER PIPING
— — — —	DOMESTIC HOT WATER RECIRCULATING LINE
——F——	FIRE PROTECTION PIPING
——G——	GAS PIPING
	SANITARY WASTE PIPING
	PLUMBING VENT PIPING
——D——	DRAIN PIPING
——CD——	GRAVITY CONDENSATE DRAIN PIPING
——PD——	PUMPED CONDENSATE
——SD——	STORM PIPING
——2SD——	SECONDARY STORM PIPING
——CA——	COMPRESSED AIR
——N2O——	NITROUS OXIDE
——N——	NITROGEN PIPING
——MIX——	MIXED GAS
——CWV——	COMBINATION WASTE & VENT

PIPING / ACCESSORIES

	BELOW GRADE SHUT-OFF VALVE
	UNION
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	BALL VALVE
	GAS BALL SHUT-OFF VALVE
	EMERGENCY GAS SOLENOID VALVE
	CHECK VALVE
	FREEZE RESISTANT HOSE BIBB
	THERMOMETER
	RELIEF VALVE
P	PRESSURE REDUCING VALVE (PRV)
"A"	MECHANICAL SHOCK ARRESTOR; LETTER INDICATES PDI SIZE
	FIRESTOPPING
	PIPE SLEEVE
	PIPE CAP
	PIPE BLIND FLANGE
	BALL VALVE WITH HOSE THREAD CONNECTION

MISCELLANEOUS

	HOT WATER RECIRCULATING PUMP WITH UNIONS
	FLOOR DRAIN
	FREEZE PROOF / RESISTANT HOSE BIBB
WCO	WALL CLEANOUT
CO	CLEANOUT
FFCO	IN-LINE FLUSH FLOOR CLEANOUT
FFCO	FINISH FLOOR CLEANOUT
	2 WAY FLUSH GRADE CLEANOUT
	ROOF DRAIN
	ICE MAKER BOX
	WASHING MACHINE BOX
	NEW CONNECTION TO EXISTING PIPING, AND/OR EQUIPMENT

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
ASME	AMERICAN SOCIETY OF MECH ENGINEERS
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CO	CLEAN OUT
COND.	CONDENSATE
CW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
ELECT	ELECTRICAL
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
FD	FLOOR DRAIN
FFCO	FINISH FLOOR CLEANOUT
FFE	FINISH FLOOR ELEVATION
FGCO	FLUSH GRADE CLEANOUT
FHB	FREEZE PROOF HOSE BIBB
FLR	FLOOR
FT	FEET
GF	GAS FURNACE
GPM	GALLONS PER MINUTE
HP	HORSE POWER HP
HR	HOUR
HW	HOT WATER
ID	INSIDE DIMENSION
IMB	ICE MAKER BOX
KW	KILOWATT
L	LAVATORY
LBS	POUNDS
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MUA	MAKE UP AIR UNIT
MV	MIXING VALVE
NC	NORMALLY CLOSED
NIC	NOT IN THIS CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OD	OUTSIDE DIMENSION
P	PUMP
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GAUGE)
RC	REMOTE CHILLER
RPM	REVOLUTIONS PER MINUTE
RP	RECIRC PUMP
S	SINK
SS	SANITARY SINK (MOP SINK)
SAN	SANITARY
SP	STATIC PRESSURE
SF	SQUARE FEET
TP	TRAP PRIMER
TYP	TYPICAL
V	VENT
VTR	VENT THRU ROOF
W	SANITARY WASTE
W/	WITH
WC	WATER CLOSET
WCVB	WATER CLOSET VALVE BOX
WCO	WALL CLEANOUT
EG	EXISTING GAS (NATURAL)
EW	EXISTING COLD WATER
EHW	EXISTING HOT WATER
CWV	COMBINATION WASTE & VENT

PLUMBING GENERAL NOTES

1. EACH CONTRACTOR, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER ELECTRICAL SERVICE, AND AVOID CONFLICT WITH ANY OTHER BUILDING SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
2. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM.
3. ALL ADA ACCESSIBLE FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES AC(AD AND LOCAL GOVERNING AUTHORITIES.
4. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING FIXTURES.
5. ALL PLUMBING VENTS, WHERE NOTED VENT UP (VTR), SHALL BE COMBINED WITHIN WALL OR ABOVE CEILINGCONCEALED AREAS, WHERE FEASIBLE, SO AS TO MINIMIZE ROOF PENETRATIONS. CONTRACTOR SHALL COORDINATELOCATION OF ROOF PLUMBING AND FLUE VENTS SUCH THAT ALL VENTS ARE MINIMUM 15 FEET FROM ANY OUTDOOR AIR INTAKE LOCATIONS. ALL ROOF PENETRATIONS, VENTS, FLUES, ETC., SHALL BE MADE ON BACK SIDE OF ROOF AS CAN BE COORDINATED WITH ARCHITECT. ALL FLUES AND VENTS EXPOSED ABOVE ROOF SHALL BE FIELD PAINTED. COLOR TO BE SELECTED BY ARCHITECTS.
6. ALL DRAINAGE, VENT AND WATER PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILINGS, EXCEPT AS OTHERWISE NOTED AND AT APPROPRIATE EQUIPMENT FINAL CONNECTIONS. HOLD ALL PIPING ABOVECEILINGS AS HIGH AS POSSIBLE AND COORDINATE WITH OTHER TRADES.
7. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTINGSHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH STRUCTURAL MEMBERS,EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
8. SLOPES AND INVERT ELEVATIONS SHALL BE ESTABLISHED BEFORE ANY PIPE IS INSTALLED IN ORDER TO MAINTAINPROPER SLOPES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT. ALL PIPING SHALL BE LOCATED &DETERMINED WHEN TO BE INSTALLED TO AVOID CONFLICT WITH OTHER TRADES.
9. WATER PIPING ROUTED ABOVE CEILINGS AND IN EXTERIOR WALLS SHALL BE ROUTED ON HEATED SIDE (UNDERSIDE) OF CEILING INSULATION AND HEATED SIDE (INSIDE) OF WALL INSULATION.
10. CONTRACTOR SHALL VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH SUBMITTED AND APPROVED "KITCHEN" AND/OR "PLUMBING FIXTURE ROUGH-IN SCHEDULE" FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES. CONTACTARCHITECT SHOULD QUESTIONS OR CONFLICTS ARISE. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL ROUGH-IN, FINAL CONNECTIONS AND INSTALLATION APPURTENANCES AS RECOMMENDED BY APPLIANCE AND/OREQUIPMENT MANUFACTURER FOR DISHWASHERS, ICE MAKERS, AND MACHINES, WASHERS, DRYERS, ETC. VERIFY LOCATION ON ARCHITECTURAL DRAWINGS AND CONNECTION REQUIREMENTS FROM APPROVED BROCHURES OF THE EQUIPMENT AND/OR APPLIANCES MANUFACTURER.
11. KEEP ALL BURIED PIPING CLEAR OF FOOTINGS AND GRADE BEAMS. COORDINATE WITH STRUCTURAL.
12. ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 18" LONG.
13. ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER TRADES AND STRUCTURAL/ARCHITECTURAL DRAWINGS. CONSISTENTLY SLOPE ALL PIPING, NOT INDICATED WITH ELEVATIONSAS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
14. WHEN SLEEVES, PIPES, CONDUITS, ETC. PENETRATE GRADE BEAMS OR TIE BEAMS THE CONTRACTOR SHALL INCREASETHE DEPTH OF THE PENETRATED BEAM BY NO LESS THAN TWICE THE DIAMETER OF THE PENETRATION FOR ADISTANCE OF 4'-0" CENTERED ON THE PENETRATION. WHERE THE PENETRATION INTERRUPTS REINFORCING STEEL, ANEQUAL NUMBER OF LIKE SIZE REINFORCING BARS SHALL BE BENT UNDER THE PENETRATION AND LAP SPLICED 30 BARDIAMETERS ON EACH SIDE. CONCRETE COVER REQUIREMENTS ON ALL SIDES SHALL BE THE SAME AS SHOWN FOR THE UN-MODIFIED GRADE BEAM OR TIE BEAM. SEE STRUCTURAL DRAWINGS FOR FURTHER SPECIFICS, ETC. PROVIDE NEW SCHEDULE 40 PVC PIPE SLEEVE A MIN. TWO SIZES LARGER THAN CARRIER PIPE AT ALL SUCH CROSSINGS, TO EXTENDMIN. 6" PAST FOUNDATION ON BOTH ENDS. PROVIDE OAKUM AND SEALANT IN ANNULAR SPACE OF SLEEVES ANDWATER PROOF ON ALL BUILDING PERIMETER AND INTERIOR FOOTING AND GRADE BEAM APPLICATIONS.
15. ALL CLEANOUTS IN SANITARY, STORM AND CONDENSATE DRAIN PIPING SHALL BE FULL PIPE SIZE UP TO 4" AND SHALLBE 4" SIZE ON 6" AND LARGER PIPING. ALL WALL CLEANOUTS SHALL BE PROVIDED WITH WALL COVERS, MOUNT INUNOBTRUSIVE LOCATION WHILE MAINTAINING ACCESSIBILITY. ALL FLOOR CLEANOUTS SHOWN SHALL BE SET FLUSH WITH FLOOR AREAS OR FINISHED GRADE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THEIR WORK, ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES.
17. WHERE POSSIBLE, INSTALL SHUT-OFF VALVES, SHOCK ABSORBERS, EQUIPMENT, ETC. REQUIRING MAINTENANCE,CLEANING, & ADJUSTING ABOVE ACCESSIBLE CEILINGS OR IN SERVICE AREAS. IN OTHER LOCATIONS, PROVIDE ACCESSPANELS ADJACENT TO THE ACCESS AREA, FINISH TO MATCH ARCHITECTURAL. LOCATE ALL VALVES AND SHOCKABSORBERS WITHIN 1'-0" FROM ACCESS PANELS, CEILING TILES, OR OTHER POINT OF ACCESS.
18. WHERE CONNECTING TO A UTILITY OR SERVICE, VERIFY LOCATION, SIZES, MATERIALS, FLUID BEING HANDLED, &INVERTS OF EXISTING UTILITY & CONFIRM THAT NEW PIPES ROUTED TO EXISTING UTILITIES CAN BE INSTALLEDCONFORMING TO APPLICABLE CODES AS INDICATED. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIORTO PURCHASING MATERIALS OR PERFORMING WORK OR EXTENSION OF CONNECTION, WITH THE EXCEPTION OF EXCAVATION OR OTHER WORK TO PROVIDE ACCESS TO THE CONCEALED UTILITY.
19. WATER CLOSET FLUSH VALVE LEAVERS SHALL BE LOCATED ON THE APPROACH SIDE OF THE WATER CLOSET.
20. GAS REGULATORS REQUIRING VENTS SHALL BE VENTED TO THE BUILDING EXTERIOR. TERMINATE VENTS A MINIMUM OF15'-0" FROM ANY AIR INTAKE OR SOURCE OF IGNITION.
21. DURING FINAL OBSERVATION WALK-THRU, CLEANOUT COVERS AND AND ACCESS PANELS SHALL BE OPENED AND ITEMSEXPOSED FOR VERIFICATION OF INSTALLATION AND POSITION.
22. DOMESTIC WATER, GAS, SANITARY SEWER, AND STORM SEWER TO REMAIN IN OPERATION IN EXISTING BUILDINGDURING DEMOTION AND CONSTRUCTION OF NEW WORK. CONTRACTOR TO DETERMINE TEMPORARY SERVICES IFNEEDED AND ARRANGE OUTAGES OF SERVICES WITH OWNER AND ARCHITECT.
23. INSTALL CONDENSATE DRAINS FROM ALL A/C EQUIPMENT. PROVIDE TRAPPED DRAINAGE PIPING WITH VENT RISERS 6"HIGH NEAR EQUIPMENT CONNECTIONS. PROVIDE NEW INSULATED CONDENSATE DRAINS FOR ALL HVAC COOLINGCOILS AND OVERFLOW PANS AND ROUTE ON SLOPE TO CONNECTION WITH NEARBY PLUMBING VENT STACK OR FLOORDRAIN. PROVIDE CLEANOUTS ON DRAINS, 1" OR LARGER, EVERY 20' O.C., AND AT ENDS AND OFFSETS OF RUNS.
24. COORDINATE UNDERGROUND PIPING WITH GRADE BEAMS AND WALL FOOTINGS. SLEEVE ALL GRADE BEAMS UTILIZINGSLEEVES A MINIMUM 2 SIZES LARGER THAN DRAINAGE PIPING SIZE. SOME SLEEVES MAY NOT BE SHOWN, BUT SLEEVESAT ALL GRADE BEAM HORIZONTAL AND VERTICAL PIPING PENETRATIONS ARE REQUIRED.
25. PROVIDE NEAT PIPE SLEEVES AT ALL GAS, WATER, STORM, SANITARY, AND REFRIGERANT PIPING EXTERIOR WALL PENETRATIONS. FILL VOID IN ANNULAR SPACE WITH NEAT ELASTOMERIC SEALANT. BELOW GRADE SLEEVES INTOHABITABLE SPACES SHALL INCLUDE WATER-TIGHT SLEEVES AS "LINK SEAL".
26. FIRESTOP ALL PIPING AND CONDUIT PENETRATIONS OF FLOORS AND FIRE, SMOKE, OR COMBINATIONWALLS/PARTITIONS TO MEET THE LATEST INTERNATIONAL BUILDING CODE REQUIREMENTS. CONTRACTOR SHALLPROVIDE APPROVED SOUND ABSORBENT SEALANT AT ALL SIMILAR PENETRATIONS AT "SOUND" AND FULL HEIGHTWALLS (SEALED TO UNDERSIDE OF ROOF DECK) INDICATED ON ARCHITECTURAL AND/OR MECHANICAL DRAWINGS.
27. PROVIDE AND INSTALL DI-ELECTRIC BUSHINGS IN ALL PIPE SYSTEMS WHERE UNLIKE METALS ARE CONNECTED, I.E.,COPPER TO STEEL. PROVIDE AND INSTALL STEEL SLEEVES IN ALL FLOORS, WALLS, ROOF DECK, ETC., FOR PIPEPENETRATIONS. SLEEVES SHALL BE OF SUFFICIENT DIAMETER TO ACCOMMODATE PIPE AND INSULATION, WHERE APPROPRIATE. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS ANDWALL AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO WALLS AS POSSIBLE.
28. PROVIDE 12" X 12" LOCKING PIANO HINGED ACCESS PANELS FOR SHOCK ABSORBERS, TRAP PRIMERS, AND ALL VALVESLOCATED ABOVE NON-ACCESSIBLE CEILINGS AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATEDWITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
29. PIPE ALL DRIPS, DRAINS, RELIEFS, ETC. TO THE NEAREST FLOOR DRAIN UNLESS OTHERWISE INDICATED.
30. NEATLY INSULATE ALL EXPOSED WATER AND DRAIN PIPING UNDER LAVATORIES AND SINKS ON HANDICAPPED FIXTURES PERSPECIFICATIONS.
31. DO NOT RUN PLUMBING PIPING THROUGH OR OVER ELECTRICAL CLOSETS OR WITHIN 3'-0" OF ELECTRICAL PANELFRONTS.

CCD ARCHITECTS
PLANNERS · INTERIOR DESIGNERS

CANIZARO CAWTHON DAVIS
A PROFESSIONAL ASSOCIATION
129 SOUTH PRESIDENT STREET
JACKSON, MISSISSIPPI 39201

JASON CHRISTOPHER GROSS — REGISTERED PROFESSIONAL ENGINEER — 17087 — 06/26/26 — STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS
CCD PROJECT NUMBER **25005**

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
ABBREVIATIONS, LEGEND & NOTES

DRAWING NUMBER
P001R1

ERG P.N. 25.116
ERG ENGINEERING RESOURCE GROUP, INC.
2030 PASS ROAD, BILOXI, MS 39531 | (228) 388-8740 | ergms.com

PLUMBING FLOOR PLAN - SANITARY SEWER & STORM DRAINS

1 / P101R1 — 1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR TO PROVIDE ALL EQUIPMENT (EXCEPT AS NOTED), ACCESSORIES AND SUPPORTING MATERIALS LISTED, SHOWN OR IMPLIED IN DOCUMENTS TO PROVIDE A FULL AND FINISHED PROJECT TO OWNER.

PLAN NOTES:

1. ROUTE 3" VERTICAL INSULATED PIPE UP TO DOUBLE 3" ROOF DRAIN/SECONDARY ROOF DRAIN.
2. ROUTE INSULATED ROOF DRAIN DOWN IN WALL TO 12" AFF. TURN OUT OF WALL AND SPILL ONTO GRADE AT 6" AFG VIA LAMB'S TONGUE, RD-2.
3. ROUTE ROOF DRAIN DOWN IN WALL TO BELOW GRADE. SEE CIVIL FOR CONTINUATION.
4. OVERSIZE DRAIN PIPE BACK TO VENT AND SLOPE AT MIN. 1/4"-1/2" FOR COMBINATION WASTE & VENT.

CCD ARCHITECTS
PLANNERS · INTERIOR DESIGNERS
CANIZARO CAWTHON DAVIS
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JACKSON, MISSISSIPPI 39201

KEVIN CHRISTOPHER DAVIS — LICENSED PROFESSIONAL ENGINEER — 17087 — 06/26/26 — STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
PLUMBING FLOOR PLAN - SANITARY SEWER & STORM DRAINS

DRAWING NUMBER
P101R1

ERG P.N. 25.116
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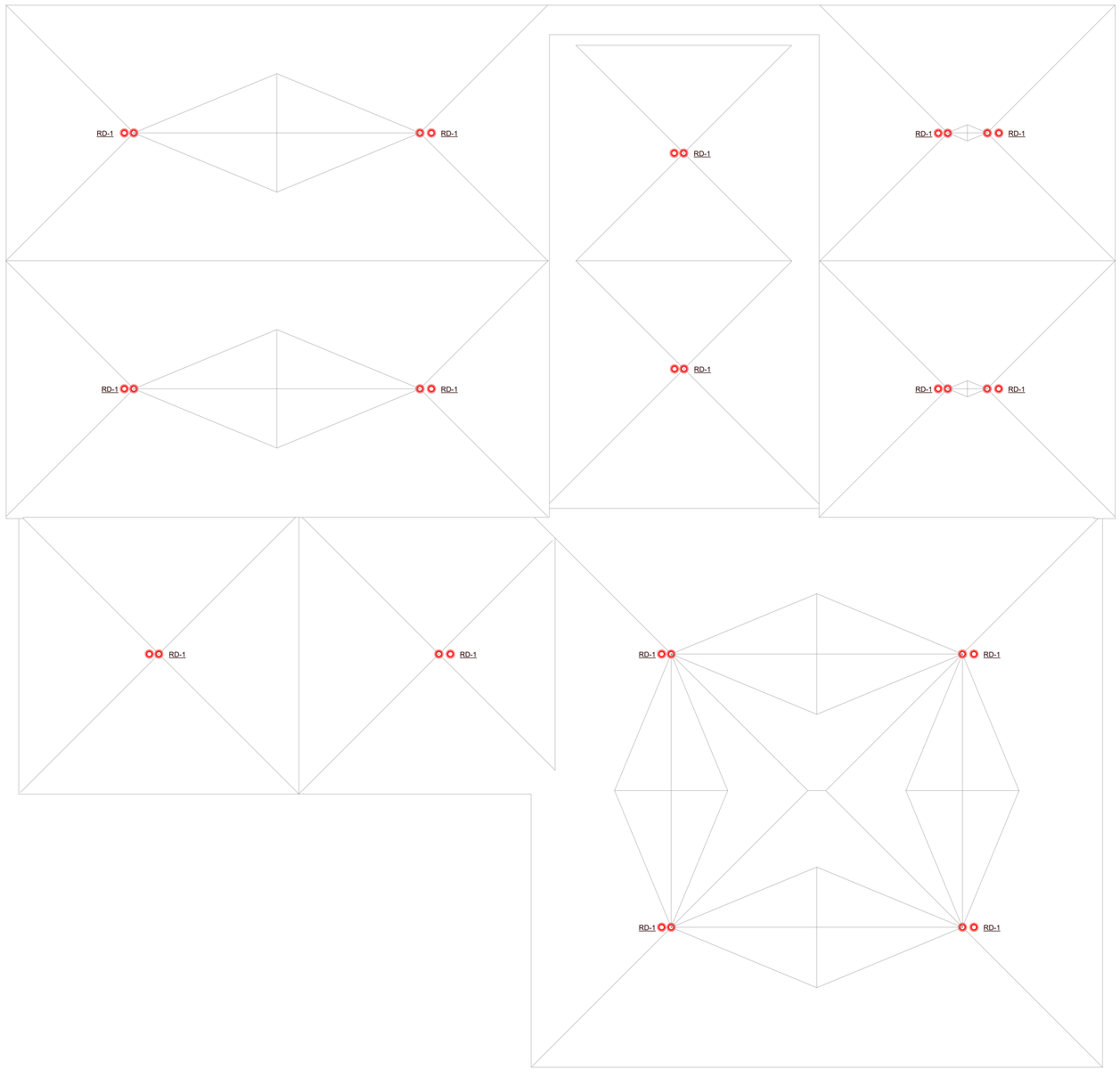
GENERAL NOTES:

1. CONTRACTOR TO PROVIDE ALL EQUIPMENT, ACCESSORIES AND SUPPORTING MATERIALS LISTED, SHOWN OR IMPLIED IN DOCUMENTS TO PROVIDE A FULL AND FINISHED PROJECT TO OWNER.



1 P103R1 **PLUMBING PLAN - ROOF DRAINS**
1/8" = 1'-0"

1

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JASON CHRISTOPHER DAVIS
LICENSED PROFESSIONAL ENGINEER
17087
06/26/26
STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

DATE REVISED AUGUST 18, 2026 — **DESCRIPTION** ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
PLUMBING ROOF PLAN

DRAWING NUMBER
P103R1

ERG P.N. 25.116

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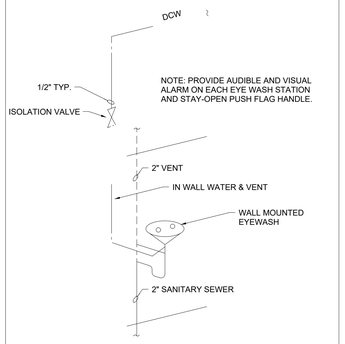
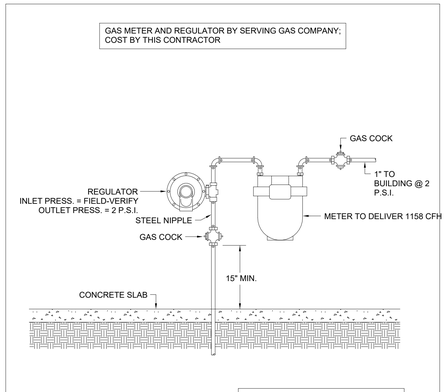
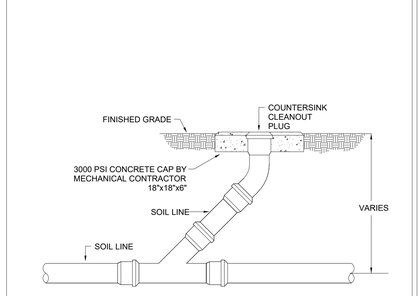


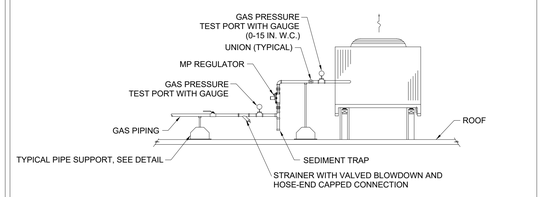
EMERGENCY SHOWER AND EYEWASH SCHEMATIC | NO SCALE



GAS METER AND REGULATOR INSTALLATION DETAIL | NO SCALE



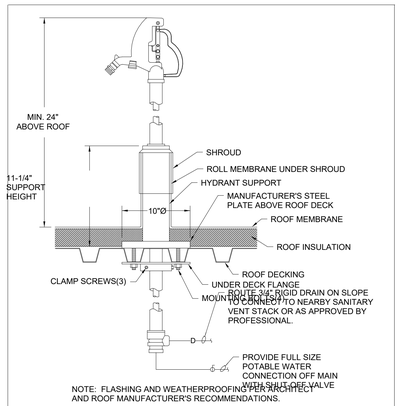
(FGCO) CLEANOUT DETAIL | NO SCALE



NOTES:

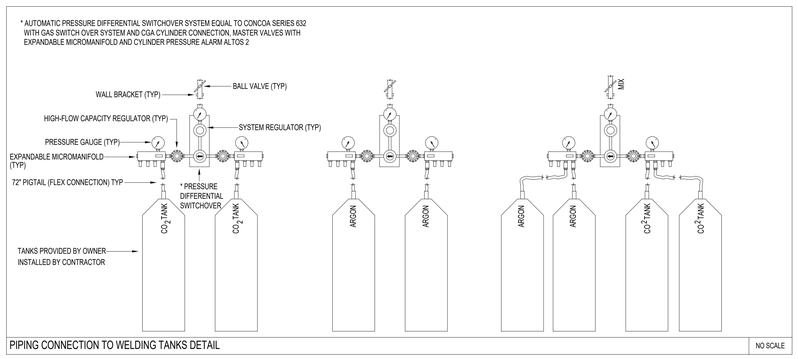
A. GAS PRESSURE REQUIRED FOR APPLIANCE TO BE COORDINATED WITH APPROVED SUBMITTAL. MEDIUM PRESSURE GAS TO BE FIELD VERIFIED.
B. GAS PRESSURE REGULATORS SHALL BE LISTED AS COMPLYING WITH ANSI Z21.80.
C. REGULATORS INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE APPROVED FOR OUTDOOR INSTALLATION.
D. ACCESS SHALL BE PROVIDED TO ALL PRESSURE REGULATORS.
E. TEE FITTING BETWEEN THE MP REGULATOR AND ITS UPSTREAM REGULATOR SHALL BE POSITIONED TO ALLOW CONNECTION OF A PRESSURE-MEASURING INSTRUMENT AND TO SERVE AS A SEDIMENT TRAP.
F. PROVIDE AND INSTALL UNIONS WITHIN 1 FOOT OF EITHER SIDE OF MP REGULATOR.
F. ANY REGULATORS INSTALLED INDOORS TO BE LABELED FOR UTILIZATION WITH AN APPROVED VENT-LIMITING DEVICE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
G. GAS SHUTOFF VALVE TO BE IN ACCORDANCE OF ASME B16.33.

GAS PIPING MEDIUM PRESSURE REGULATOR | NO SCALE

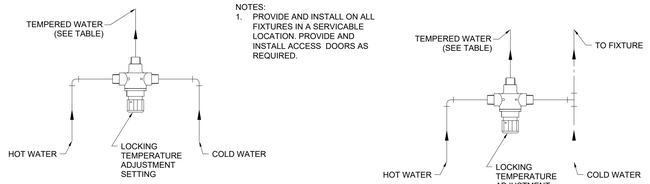


NOTE: FLASHING AND WEATHERPROOFING PER ARCHITECT AND ROOF MANUFACTURER'S RECOMMENDATIONS.

ROOFTOP MOUNTED NON-FREEZE HYDRANT DETAIL | NO SCALE



PIPING CONNECTION TO WELDING TANKS DETAIL | NO SCALE



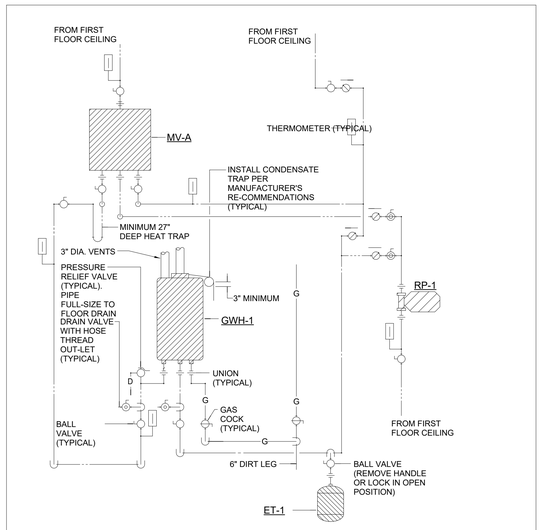
SENSOR FIXTURE

NOTES:
1. PROVIDE AND INSTALL ON ALL FIXTURES IN A SERVICABLE LOCATION. PROVIDE AND INSTALL ACCESS DOORS AS REQUIRED.

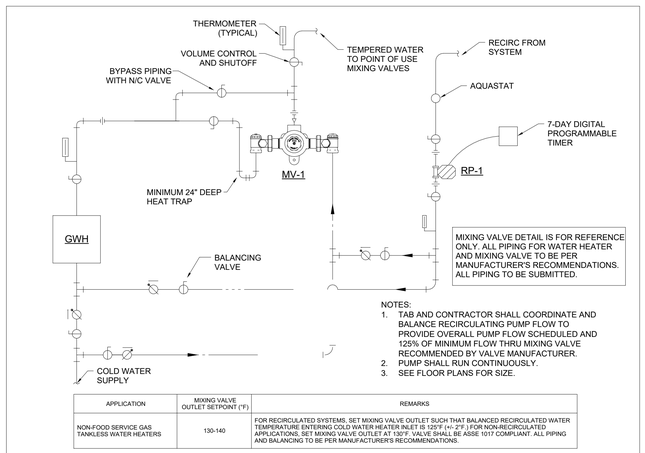
TWO HANDLE FIXTURE

APPLICATION	OUTLET TEMP (°F)	REMARKS	
NON-FOOD SERVICE LAVATORIES	95	VALVE TO BE ASSE 1070 COMPLIANT	
MOP/JANITOR'S SINKS	120	VALVE TO BE ASSE 1017 COMPLIANT	
LAUNDRY WASHERS	120	SET BASED ON MANUFACTURERS RECOMMENDATIONS. VALVE TO BE ASSE 1017 COMPLIANT	

POINT OF USE MIXING VALVE DETAIL | NO SCALE



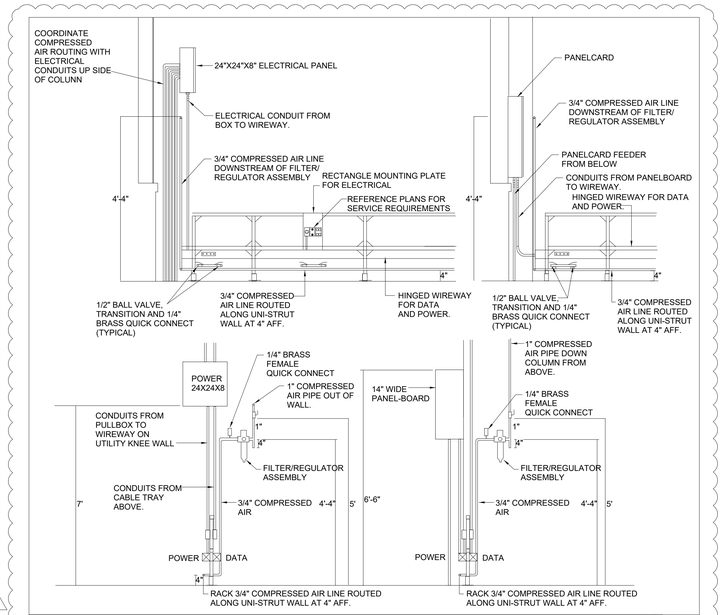
GAS TANKLESS WATER HEATER DETAIL | NO SCALE



NOTES:
1. TAB AND CONTRACTOR SHALL COORDINATE AND BALANCE RECIRCULATING PUMP FLOW TO PROVIDE OVERALL PUMP FLOW SCHEDULED AND 125% OF MINIMUM FLOW THRU MIXING VALVE RECOMMENDED BY VALVE MANUFACTURER.
2. PUMP SHALL RUN CONTINUOUSLY.
3. SEE FLOOR PLANS FOR SIZE.

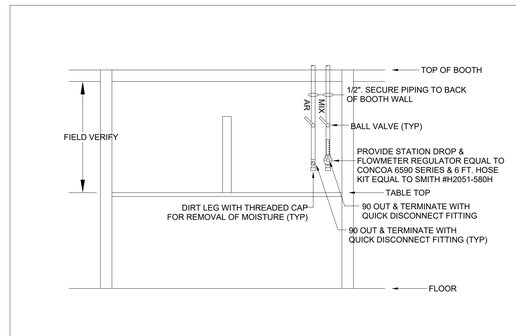
APPLICATION	MIXING VALVE OUTLET SETPOINT (°F)	REMARKS
NON-FOOD SERVICE GAS TANKLESS WATER HEATERS	130-140	FOR RECIRCULATED SYSTEMS, SET MIXING VALVE OUTLET SUCH THAT BALANCED RECIRCULATED WATER TEMPERATURE ENTERING COLD WATER HEATER INLET IS 125°F (+/- 2°F.) FOR NON-RECIRCULATED APPLICATIONS, SET MIXING VALVE OUTLET AT 130°F. VALVE SHALL BE ASSE 1017 COMPLIANT. ALL PIPING AND BALANCING TO BE PER MANUFACTURER'S RECOMMENDATIONS.

MIXING VALVE DETAIL | NO SCALE

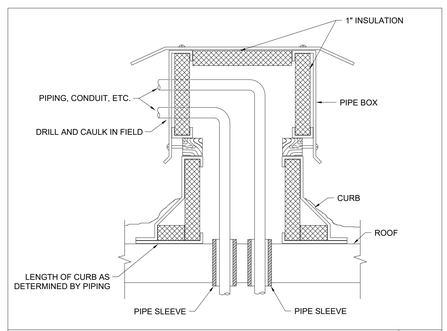


1

KNEE WALL DETAIL | NO SCALE



WELDING BOOTH PIPING DETAIL | NO SCALE



ROOF CURB AND PIPE BOX DETAIL | NO SCALE

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JASON CHRISTOPHER DAVIS — LICENSED PROFESSIONAL ENGINEER — 17087 — 06/26/26 — STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER 25005

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
PLUMBING DETAILS

DRAWING NUMBER
P501R1

ERG P.N. 25.116

ENGINEERING RESOURCE GROUP, INC.
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CCD ARCHITECTS
PLANNERS • INTERIOR DESIGNERS
CANIZARO CAWTHON DAVIS
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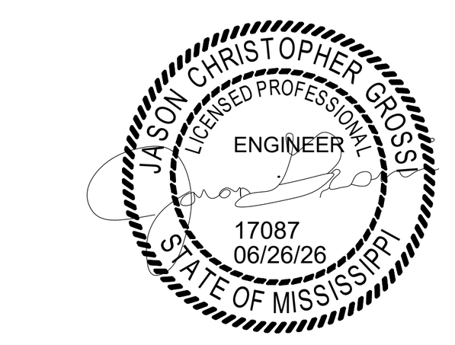

PLUMBING FIXTURE SCHEDULE

WATER CLOSETS

MARK	DESCRIPTION	MAKE AND MODEL	ROUGH-IN SIZES C.W.	H.W.	WASTE	VENT	MIXING VALVE	ELECTRICAL V/PH	REMARKS
WC-1	WATER CLOSET (FLOOR MOUNTED, FLUSH VALVE)	SLOAN ST-2009	--	--	4"	2-4"	---		1.28 GPF, MODIFY HEIGHT OF FLUSH VALVE AS REQUIRED FOR HANDRAIL, TRAP PRIMER AS REQUIRED, OPEN FRONT WHITE SEAT, SELF-SUSTAINING HINGES W/S.S. POST AND PINTLES
	FLUSH VALVE (MANUAL)	SLOAN REGAL 111	1"	--	--	--	---		
	SEAT	BEMIS 1055SSC, AMERICAN STANDARD 5901.100SS	--	--	--	--	---		
WC-2	WATER CLOSET (FLOOR MOUNTED A.D.A. HEIGHT, FLUSH VALVE)	SLOAN ST-2029	--	--	4"	2-4"	---		1.28 GPF, MODIFY HEIGHT OF FLUSH VALVE AS REQUIRED FOR HANDRAIL, TRAP PRIMER AS REQUIRED, OPEN FRONT WHITE SEAT, SELF-SUSTAINING HINGES W/S.S. POST AND PINTLES, A.D.A.
	FLUSH VALVE (MANUAL)	SLOAN REGAL 111	1"	--	--	--	---		
	SEAT	BEMIS 1055SSC, AMERICAN STANDARD 5901.100SS	--	--	--	--	---		
U-1	URINAL	SLOAN SU-1009	--	--	2"	2"	---		0.5 GPF, FLOOR MOUNTED CARRIERS
	FLUSH VALVE (MANUAL)	SLOAN REGAL 186-0.5	3/4"	--	--	--	---		
	CARRIER	J.R. SMITH, WADE, ZURN	--	--	--	--	---		
U-2	URINAL (A.D.A. HEIGHT)	SLOAN SU-1009	--	--	2"	2"	---		0.5 GPF, RIM TO BE MOUNTED 17" AFF FOR A.D.A., FLOOR MOUNTED CARRIERS
	FLUSH VALVE (MANUAL)	SLOAN REGAL 186-0.5	3/4"	--	--	--	---		
	CARRIER	J.R. SMITH, WADE, ZURN	--	--	--	--	---		
L-1	(SINK - SEE SECTION 064000 - ARCHITECTURAL WOODWORK)	-	--	--	2"	2"	---	---	NOMINAL 21-5/8" L x 15-3/4" W x 8-1/4" D, 1.5 GPM, A.D.A. COMPLIANT, SINGLE HOLE, CERAMIC STRUCTURES, PLUMBER TO PROVIDE/INSTALL PIPING, TRAPS, STOPS AND SUPPLIES
	FAUCET (MANUAL)	DELTA 22C801	1/2"	1/2"	--	--	---	---	
L-2	LAVATORY (WALL MOUNTED, A.D.A.)	SLOAN SS-3065	--	--	2"	2"	---	---	1.5 GPM, FLOOR MOUNTED CARRIERS, A.D.A. COMPLIANT (SEE ARCH. FOR MOUNTING HEIGHT), THREE HOLE, 4" CENTER SET, 4" DECK PLATE , INSULATE P-TRAP AND SUPPLY PIPES WITH TRUEBRO 102G/105, VANDAL RESISTANT AERATOR. PROVIDE LAVATORY WITH SHROUD.
	FAUCET (MANUAL)	DELTA 22C401	1/2"	1/2"	--	--	---	---	
	CARRIER	J.R. SMITH, WADE, ZURN	--	--	--	--	---	---	
S-1	(SINK - SEE SECTION 064000 - ARCHITECTURAL WOODWORK)	-	--	--	2"	2"	---	---	1.5 GPM, A.D.A. COMPLIANT, (4" CENTERS, MAX 1.75" THICK COUNTERTOP), CERAMIC STRUCTURES, FAUCET TO SWIVEL, PLUMBER TO PROVIDE/INSTALL PIPING, TRAPS, STOPS AND SUPPLIES
	FAUCET (GOOSENECK, ABOVE DECK, WRIST)	DELTA 27C2944	1/2"	1/2"	--	--	YES	---	
FD-1	SQUARE FLOOR DRAIN	ZURN Z415S	SEE PLAN	--	SEE PLAN	SEE PLAN			6x6" SQUARE WITH SURE SEAL TRAP GUARD
FD-2	FLOOR DRAIN W/RECESSED RIM	ZURN Z415I	SEE PLAN	--	SEE PLAN	SEE PLAN			7-3/8" DIAMETER WITH SURE SEAL TRAP GUARD
FD-3	SQUARE FLOOR DRAIN W/ SEDIMENT TRAP	ZURN Z415S-Y	SEE PLAN	--	SEE PLAN	SEE PLAN			6x6" SQUARE WITH SURE SEAL TRAP GUARD AND SEDIMENT BUCKET
FS-1	FLOOR SINK (12"x12"x10" WITH 3/4 GRATE)	ZURN Z1902-3	--	--	4"	SEE PLAN	---	---	CAST IRON BODY WITH WHITE A.R.E. INTERIOR, MIN. 4" OUTLET PIPE W/ SURE ASEAL TRAP GUARD
EDF-1	ELECTRIC DRINKING FOUNTAIN (BI-LEVEL W/BOTTLE FILLER)	ELKAY EZSTL8WSSK	1/2"	--	2"	2"	---	120/1	STAINLESS STEEL, NON-FILTERED, A.D.A., FLOOR MOUNTED CARRIER
WMB-1	WASHING MACHINE BOX	GUY GRAY WB200	3/4"	3/4"	2"	2"	---	---	---
EW-1	EYEWASH	HAWS 7360BT	1/2"	--	2"	2"	---	---	WALL MOUNTED, 11" BOWL, STAINLESS STEEL, 3.7 GPM, A.D.A., 16 GA SS WALL BRACKET, STAY-OPEN PUSH FLAG HANDLE
WF-1	WASH FOUNTAIN	GLOBAL INDUSTRIAL 604083	1/2"	1/2"	2"	2"	YES	120/1	0.58 GPM, SENSOR OPERATED, WALL MOUNTED, TWO STATION
MS-1	MOP SINK, FLOOR MOUNTED, CORNER	STERN WILLIAMS CRESCENT CRS2200	--	--	2"	2"	---	---	TERAZZO, 28"W x 28"L x 12"H, 24" H BACK/SIDE PANEL, S.S. CAP, ALUMINUM BUMPER GUARD, 30" HOSE AND WALL BRACKET, S.S. MOP HANGER. CHECK VALVES ON HOT AND COLD WATER LINES, 4.0 GPM.
	SINK FAUCET WALLMOUNT	DELTA 28C9LH	1/2"	1/2"	--	--	YES	---	
FHB-1	FREEZEPROOF HOSE BIBB, WALL MOUNTED	ZURN Z1320-CXL-WC, WOODFORD B65	3/4"	--	--	--	---	---	VACUUM BREAKER, BRASS FINISH, WALL CLAMP
FYH-1	FREEZEPROOF YARD HYDRANT	WOODFORD Y34	3/4"	--	--	--	---	---	FREEZELESS, NO DRAIN LINE

ROOF DRAINS

MARK	DESCRIPTION	MAKE AND MODEL	ROUGH-IN SIZES C.W.	H.W.	WASTE	VENT	MIXING VALVE	ELECTRICAL V/PH	REMARKS
RD-1	ROOF DRAIN, COMBINATION	ZURN Z164-G	--	--	SEE PLAN	--	---	---	GALVANIZED CAST IRON, FURNISH TO ROOFER FOR INSTALLATION
RD-2	DOWNSPOUT NOZZLE	ZURN ZANB199-SS	--	--	SEE PLAN	--	---	---	NICKEL BRONZE BODY, STAINLESS STEEL SCREEN, ESCUTHCHEON

1

DOMESTIC WATER CALCULATION

PRESSURE AT WATER MAIN	(+) 46.0 PSI

PRESSURE LOSSES

PRESSURE LOSS THROUGH WATER METER AT DESIGN GPM	(-) 4.0 PSI
PRESSURE LOSS THROUGH BFP AT DESIGN GPM	(-) 0 PSI
PRESSURE LOSS THROUGH SITE WATER PIPING	(-) 3.0 PSI
PRESSURE REQUIRED AT HIGHEST FLOOR (OR ROOF)	(-) 20.0 PSI
PRESSURE LOSS DUE TO BLDG HEIGHT (HEIGHT X 0.433) (28.0 FT X 0.433)	(-) 13 PSI
FRICTION LOSSES THROUGH PIPING (1.0 PSI/100 FT) TDL = TOTAL PIPE LENGTH X 1.3 (FOR FITTINGS, VALVES, ETC.)	(-) 4.0 PSI
PRESSURE LOSS THROUGH BOOSTER PUMPS	(-) 0.0 PSI
TOTAL PRESSURE LOSSES	(-) 44 PSI
PRESSURE BOOST REQUIRED (MINIMUM) (PRESSURE AT WATER MAIN - TOTAL PRESSURE LOSS)	(+) 2.0 PSI

3" DCW SERVICE TO BLDG WITH MAXIMUM LOAD OF 80 GPM.

GAS PIPE CALCULATION 2 PSI SYSTEM

TABLE: 402.4(5), 2024 INTERNATIONAL FUEL GAS CODE
SCHEDULE 40 METALLIC PIPE
INLET PRESSURE: 2.0 PSI
PRESSURE DROP: 1.0 PSI
SPECIFIC GRAVITY: 0.60

LONGEST LENGTH OF PIPE: 160 FT
TOTAL LOAD: 1158 MBH

MARK	DESCRIPITION	INPUT
RTU-2	ROOFTOP UNIT	350 MBH
GWH-1	GAS WATER HEATER	200 MBH
GUH-1	GAS UNIT HEATER	45 MBH
GUH-2	GAS UNIT HEATER	45 MBH
GUH-3	GAS UNIT HEATER	45 MBH
GUH-4	GAS UNIT HEATER	45 MBH
GUH-5	GAS UNIT HEATER	35 MBH
MAU-1	MAKEUP AIR UNIT	393 MBH

TABLE: 402.4(2), INTERNATIONAL FUEL GAS CODE, USED FOR LESS THAN 2 PSI AFTER REGULATORS AT INDIVIDUAL EQUIPMENT.

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

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DATE REVISED	DESCRIPTION
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DRAWING TITLE
PLUMBING SCHEDULES

DRAWING NUMBER
P602R1

CCD ARCHITECTS
PLANNERS • INTERIOR DESIGNERS
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FIRE PROTECTION SHEET INDEX

FP001R1	FIRE PROTECTION ABBREVIATIONS, LEGEND AND NOTES
FP101R1	FIRE PROTECTION FLOOR PLANS
FP501R1	FIRE PROTECTION DETAILS
FP601R1	FIRE PROTECTION SCHEDULES

FIRE PROTECTION FLOW DATA

46 P.S.I. - STATIC

40 P.S.I. - RESIDUAL

1265 GPM FLOW

TAKEN FROM FIRE HYDRANT LOCATED ON REDWATER ROAD AT WFC SITE ON JANUARY 8, 2026.

CONTRACTOR'S HYDRAULIC CALCULATIONS SHALL PROVIDE FOR A MINIMUM OF 7 PSI SAFETY MARGIN.

CODE REVIEW

APPLICABLE CODES (BASIS OF DESIGN)
CODE REQUIREMENTS INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

2024 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 1) FIRE CODE

2024 NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM

2024 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS

2024 INTERNATIONAL BUILDING CODE

2024 INTERNATIONAL FIRE CODE

FIRE PROTECTION LEGEND

PIPING / ACCESSORIES

F	FIRE PROTECTION PIPING
	PIPE/EQUIPMENT DEMOLITION
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTION
	OS&Y GATE VALVE (SUPERVISED)
	OS&Y GATE VALVE OR INDICATING BUTTERFLY VALVE (SUPERVISED)
	CHECK VALVE
	FLOW SWITCH
	BUTTERFLY VALVE WITH TAMPER SWITCH
	STAND PIPE CONTROL VALVE TAMPER SWITCH
	STAND PIPE WITH HOSE VALVE
	PRESSURE GAGE W/SNUBBER
	WALL MOUNTED FIRE DEPARTMENT CONNECTION
	REMOTE FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
	POST INDICATOR VALVE
	RISER MOUNTED AIR COMPRESSOR
	DRY PIPE VALVE
DF	DRY PIPE PIPING

SPRINKLER HEADS

	UPRIGHT SPRINKLER HEAD
	CONCEALED PENDANT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD

MISCELLANEOUS

	NEW CONNECTION TO EXISTING PIPING, DUCTWORK AND/OR EQUIPMENT

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
AH	AMP HOUR
AHJ	AUTHORITY HAVING JURISDICTION
ALM	ALARM
AWG	AMERICAN WIRE GAUGE
CLG	CEILING
DIA	DIAMETER
DN	DOWN
FH	FIRE HYDRANT
FD	FLOOR DRAIN
FLR	FLOOR
FT	FEET
GPM	GALLONS PER MINUTE
HP	HORSE POWER HP
HR	HOUR
ID	INSIDE DIMENSION
KW	KILOWATT
LBS	POUNDS
MAX	MAXIMUM
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
NC	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN THIS CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OD	OUTSIDE DIMENSION
P	PUMP
PA	PREACTION
PLBG	PLUMBING
P.I.V.	POST INDICATOR VALVE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GAUGE)
RPM	REVOLUTIONS PER MINUTE
SP	SPRINKLER
SF	SQUARE FEET
TS	TAMPER SWITCH
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
V	VENT
VTR	VENT THRU ROOF
W/	WITH
W/O	WITHOUT
EFP	EXISTING FIRE PROTECTION

FIRE PROTECTION GENERAL NOTES

GENERAL

1. FURNISH ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR A COMPLETE FIRE SUPPRESSION SYSTEM WHERE SHOWN ON DRAWINGS AND REQUIRED BY THE APPROPRIATE BUILDING CODES, INCLUDING, BUT NOT LIMITED TO NFPA 13.
2. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, DETAILED CONSTRUCTION DRAWINGS AND HYDRAULIC CALCULATIONS TO THE ENGINEER AND FIRE SUB-CODE OFFICIAL, PRIOR TO THE INSTALLATION OF ANY EQUIPMENT. OBTAIN CERTIFICATE OF INSPECTION AND APPROVAL FROM THE SAME AGENCY HAVING JURISDICTION AFTER INSTALLATION. THE FIRE SUPPRESSION SYSTEM SPECIFICATIONS ARE PERFORMANCE BASED ONLY. THE CONTRACTOR(S) SHALL BE FULLY RESPONSIBLE FOR THE DESIGN AND TO PROVIDE ALL NECESSARY EQUIPMENT, HARDWARE, CONTROLS, SENSOR, ETC. PER LOCAL FIRE PROTECTION CODES.
3. NUMBERS AND LOCATIONS OF SPRINKLER HEADS, SHOWN ON THESE PLANS, ARE FOR ILLUSTRATION PURPOSES ONLY. EXACT NUMBER AND LOCATIONS SHALL BE SHOWN ON SPRINKLER CONSTRUCTION SHOP DRAWINGS WHICH SHALL BE PROVIDED BY THE CONTRACTOR.
4. ALL NEW SPRINKLER PIPING AND HEADS SHALL BE LOCATED ONLY AS INDICATED ON APPROVED SHOP DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED BEFORE STARTING WORK. ANY DEVIATIONS MADE TO APPROVED LAYOUT MUST BE SUBMITTED TO ENGINEER AS "AS-BUILT" DRAWINGS.
5. ALL SPRINKLER SYSTEM COMPONENTS TO BE APPROVED BY THE ENGINEER AND GENERAL CONTRACTOR AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR.
6. COORDINATE INTERLOCKS, SIGNALING AND ALARM CONTACTS WITH FIRE ALARM AND ELECTRICAL CONTRACTORS. COORDINATE DUCT SMOKE DETECTION WITH MECHANICAL CONTRACTOR.
7. CONTRACTOR TO DESIGN PER FM GLOBAL STANDARDS UNLESS OTHERWISE INDICATED.
8. IN GENERAL, WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: COMPLETE OVERHEAD AUTOMATIC SPRINKLER SYSTEMS AS INDICATED ON THE CONTRACT DRAWINGS AND CONTRACT SPECIFICATIONS. CONNECTION TO UNDERGROUND FIRE SERVICE. SYSTEMS AND DEVICE TESTING. ALL NECESSARY PERMITS.
9. THE FIRE SPRINKLER SYSTEMS FOR PROTECTION OF THE BUILDING SHALL BE HYDRAULICALLY DESIGNED WET PIPE SPRINKLER SYSTEMS AS SPECIFIED IN THE FOLLOWING:
   A. OFFICES, INCLUDING CORRIDORS, LOUNGES, AND SIMILAR SPACES SHALL BE DESIGNED FOR A LIGHT HAZARD OCCUPANCY TO PROVIDE A MINIMUM DESIGN DISCHARGE DENSITY OF 0.10 GPM PER SQ FT OVER THE HYDRAULIC CALCULATION AREA OR ROOM.
   B. MECHANICAL, MINOR STORAGE, AND SIMILAR AREAS OF THE BUILDING SHALL BE DESIGNED FOR AN ORDINARY HAZARD GROUP 1 OCCUPANCY. A MINIMUM DESIGN DISCHARGE DENSITY OF 0.15 GPM PER SQ FT OVER THE HYDRAULIC CALCULATION AREA OR ROOM.
   C. BULK STORAGE AND SIMILAR AREAS AREAS OF THE BUILDING SHALL BE DESIGNED FOR AN ORDINARY HAZARD GROUP 2 OCCUPANCY. A MINIMUM DESIGN DISCHARGE DENSITY OF 0.20 GPM PER SQ FT OVER THE HYDRAULIC CALCULATION AREA OR ROOM.
   D. ALL SPRINKLERS WITHIN THE PROJECT AREA SHALL BE NEW, QUICK RESPONSE, ORDINARY TEMPERATURE RATING (EXCEPT AS REQUIRED BY NFPA 13).
10. PROVIDE A COMPLETE AUTOMATIC FIRE SUPPRESSION SYSTEM FOR ALL NEW AND/OR EXISTING INTERIOR AND EXTERIOR COVERED SPACES, INTERSTITIAL SPACES, ATTICS, OVERHANGS, CANOPIES, ETC. AS REQUIRED FOR A COMPREHENSIVE FIRE SPRINKLER SYSTEM.
11. ALL EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES AND/OR FACTORY MUTUAL APPROVED.
12. ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW, FIRST GRADE STANDARD, CURRENT PRODUCTS OF A MANUFACTURER REGULARLY ENGAGED IN THE PRODUCTION OF SUCH MATERIALS AND EQUIPMENT. WHERE TWO OR MORE PIECES OF EQUIPMENT PERFORMING THE SAME FUNCTION ARE REQUIRED, THEY SHALL BE THE PRODUCT OF ONE MANUFACTURER AND EXACT DUPLICATES.

PIPING

1. ALL PIPING AND EQUIPMENT SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. HANGER AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN SPRINKLER SYSTEMS.
2. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.
3. NO PIPING SHALL BE HUNG FROM THE PIPING OF OTHER TRADES OR DUCTWORK. HANGERS SHALL BE OF HEAVY CONSTRUCTION, SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED.
4. PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE FIRE STOPPED AND SEALED TO A FIRE RATING EQUAL TO THE WALL IT PENETRATES.
5. ALL SPRINKLER PIPING 2" AND BELOW SHALL BE SCHEDULE 40 STEEL. SCHEDULE 10 PIPING SHALL BE ALLOWABLE FOR PIPE SIZES 2-1/2" AND ABOVE.
6. ALL SPRINKLER PIPING IN CRITICAL AREAS MUST BE SCHEDULE 40 STEEL WITH THREADED FITTINGS OR VICTAULIC-TYPE FITTINGS WHERE PERMITTED.
7. FIRE PROTECTION PIPING LAYOUT IS SCHEMATIC IN NATURE AND DOES NOT INDICATE ALL REQUIRED FITTINGS, DRAIN VALVES, ETC.
8. ALL SPRINKLER PIPING SHALL BE INSTALLED SO THAT THE SYSTEM CAN BE DRAINED. PROVIDE DRAINS FOR TRAPPED PIPING IN ACCORDANCE WITH NFPA 13.
9. ALL PIPES PASSING THROUGH FOUNDATION WALLS TO BE PROTECTED.
10. SPRINKLER SYSTEM DRAIN LINES SHALL BE FULLY COORDINATED WITH ALL TRADES.
11. THE USE OF SADDLE TEES FITTED WITH RUBBER GASKETS IS NOT PERMITTED.
12. PIPE SIZES INDICATED ON THE CONTRACT DRAWINGS SHALL NOT BE REDUCED. THEY SHALL HOWEVER BE INCREASED IF REQUIRED BY HYDRAULIC CALCULATIONS.
13. BOLT ON OR STRAP ON BRANCH AND OUTLET FITTINGS WILL NOT BE PERMITTED. SIMILARLY, HOLE CUT PIPING SYSTEM OR STRAPLESS OUTLETS WILL NOT BE PERMITTED.
14. BOLT ON OR STRAP ON BRANCH AND OUTLET FITTINGS WILL NOT BE PERMITTED. SIMILARLY, HOLE CUT PIPING SYSTEM OR STRAPLESS OUTLETS WILL NOT BE PERMITTED.
15. GROOVED COUPLINGS SHALL BE UL LISTED AND/OR FM APPROVED FOR FIRE PROTECTION SERVICE. PLAIN-END TYPE PIPE FITTINGS AND COUPLINGS SHALL NOT BE USED.
16. INSTALL HANGERS, BRAIDED HOSE DROP CONNECTIONS, SWING JOINTS AND BRACING IN ACCORDANCE WITH NFPA 13.
17. SYSTEM PIPING SHALL BE INSTALLED SUCH THAT NO JOINTS, FITTINGS OR DEVICES OCCUR DIRECTLY OVER ELECTRICAL EQUIPMENT OR WITHIN THE CLEARANCE SPACE AS REQUIRED BY THE NATIONAL ELECTRIC CODE (NEC).
18. THE CONTACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS AND PENETRATIONS REQUIRED FOR THE FIRE PROTECTION PIPING.
19. CUTTING STRUCTURAL MEMBERS FOR THE PASSING OF FIRE PROTECTION PIPING OR PIPE HANGER FASTENING WILL NOT BE PERMITTED EXCEPT WITH APPROVAL OF THE PROFESSIONAL.
20. SUITABLE MEANS SHALL BE PROVIDED AT EACH HOLE OR PENETRATION TO MAINTAIN THE DESIGNED FIRE RESISTANCE RATING OF THE WALL, CEILING, OR FLOOR ASSEMBLY.
21. INSTALL SPLIT WALL PLATES OR ESCUTCHEONS WHERE EXPOSED PIPING PASSES THROUGH A FINISHED FLOOR, WALL OR CEILING. THEY SHALL FIT SNUGLY AROUND PIPING. THE FINISH OF ESCUTCHEONS OR WALL PLATES SHALL MATCH THE COLOR OF ADJACENT WALLS, CEILINGS, OR FLOORS.
22. UPON COMPLETION OF INSTALLATION AND WHILE PIPING IS STILL EXPOSED, HYDROSTATICALLY TEST THE SYSTEMS AT 200 PSI (OR 50 PSI IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER) FOR A PERIOD OF 2 HOURS. PORTIONS OF THE SYSTEM MAY BE TESTED AS THEY ARE COMPLETED. SEVENTY-TWO HOUR NOTICE SHALL BE GIVEN TO THE PROFESSIONAL AND THE AUTHORITY HAVING JURISDICTION PRIOR TO ANY TEST. A PRE-INSTALLATION INSPECTION OF PIPE, FITTINGS, AND DEVICES IS REQUIRED.
23. WHERE FLOOR OPENINGS ARE NOT CLASSIFIED AS ATRIUMS, THE SPRINKLERS AT THE CEILING MUST BE ZONED WITH LOWER LEVEL IF IT IS ENCLOSED ON THE UPPER LEVEL (THE ENCLOSURE IS EFFECTIVELY CREATING A HIGH CEILING). OTHERWISE, SPRINKLERS MUST BE ZONED WITH THE UPPER LEVEL.

SPRINKLERS

1. IN AREAS WITHOUT SUSPENDED CEILINGS, LOCATE SPRINKLER HEADS ABOVE AND BELOW ALL DUCTS OVER 48" IN WIDTH.
2. IN AREAS WITH SUSPENDED CEILINGS, SPRINKLER HEADS SHALL BE INSTALLED CENTERED IN BOTH DIRECTIONS OF THE CEILING TILE. CONCEALED SPRINKLER HEADS SHALL BE USED FOR ALL FINISHED CEILING AREAS.
3. UPRIGHT SPRINKLERS SHALL BE INSTALLED IN AREAS WITHOUT SUSPENDED CEILINGS. PROVIDE PROTECTIVE CAGE ON ALL HEADS IN AREAS UNDER DUCTS OR SUBJECT TO ACCIDENTAL DAMAGE.
4. ALL PENDENT AND SIDEWALL SPRINKLERS LOCATED WITHIN 7 FT OF THE FLOOR OR SUBJECT TO MECHANICAL DAMAGE SHALL BE PROVIDED WITH LISTED SPRINKLER GUARDS COMPATIBLE WITH THE SPRINKLER MODELS AND TYPES ON WHICH THEY ARE INSTALLED.
5. STOCK OF EXTRA SPRINKLERS SHALL BE FURNISHED AS REQUIRED FOR EACH TEMPERATURE RATING. EXTRA SPRINKLERS IN THE QUANTITIES REQUIRED BY NFPA 13, CABINETS, AND WRENCHES SHALL BE PROVIDED.
6. DISTANCE OF SPRINKLERS FROM HEAT SOURCES SHALL BE IN ACCORDANCE WITH NFPA.
7. SPRINKLER HEADS INSTALLED IN TILE CEILINGS SHALL BE INSTALLED IN THE CENTER OF THE TILES.
8. SPRINKLER GUARDS MUST BE PROVIDED IN THE FOLLOWING: SPRINKLERS INSTALLED LESS THAN 7 FT FROM FLOOR, SPRINKLERS INSTALLED WITHIN ELEVATOR MACHINE ROOMS AND ELEVATOR PITS, SPRINKLERS INSTALLED WITHIN ELECTRICAL CLOSETS AND EQUIPMENT ROOMS
9. COORDINATE SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS. CHANGES ARE SUBJECT TO APPROVAL BY ARCHITECT AND SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

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WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

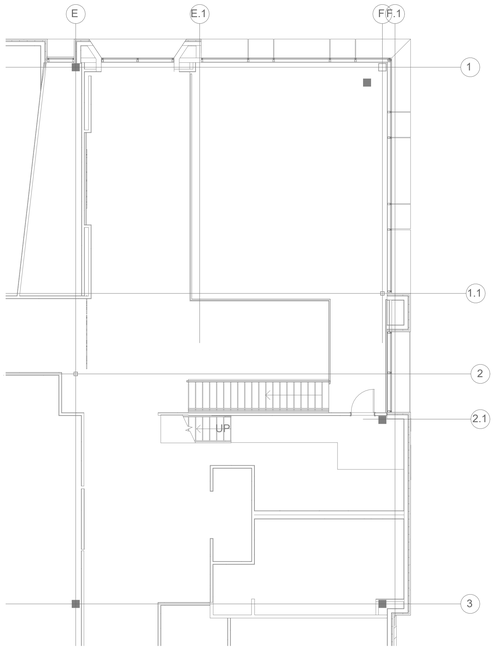
CCD PROJECT NUMBER 25005

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

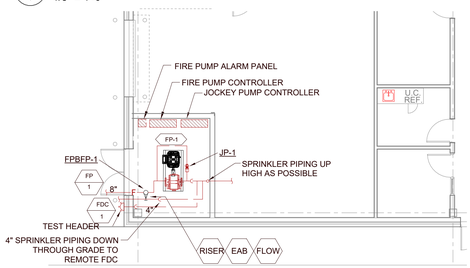
DRAWING TITLE
ABBREVIATIONS, LEGENDS & NOTES

DRAWING NUMBER
FP001R1



2 FP101R1 FIRE PROTECTION MEZZANINE FLOOR PLAN

1/8" = 1'-0"



3 FP101R1 FIRE PROTECTION - FIRE PUMP ROOM

1/8" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR TO PROVIDE ALL EQUIPMENT, ACCESSORIES AND SUPPORTING MATERIALS LISTED, SHOWN OR IMPLIED IN DOCUMENTS TO PROVIDE A FULL AND FINISHED PROJECT TO OWNER.
2. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ONE-PIECE RISER FOR FIRE PROTECTION AND WATER LINE TO MAIN/FDC AND CONNECT.

HYDRAULIC CALCLUATION DESIGN INFORMATION	
AREA IDENTIFICATION	HYDRAULICALLY MOST DEMANDING AREA - WELDING LAB
HAZARD CLASSIFICATION	EXTRA HAZARD GROUP 2
DESIGN STANDARD	NFPA 13
CONSTRUCTION	NON-COMBUSTIBLE
SPRINKLER SYSTEM TYPE	WET PIPE
DENSITY IN GPM PER SQUARE FOOT	.40
MAXIMUM SPACING PER SPRINKLER	130
SQUARE FOOTAGE OF APPLICATION	2500
HOSE STREAM ALLOWANCE	500 GPM

NO HATCH — LIGHT HAZARD OCCUPANCY

IN GENERAL, ALL AREAS NOT INDICATED WITH HATCHING ARE CONSIDERED TO BE LIGHT HAZARD.

SYSTEM TYPE: WET PIPE

DENSITY: 0.10 GPM/SQFT	AREA OF APPLICATION: 1,500 SQFT	HOSE STREAM ALLOWANCE: 100 GPM

NOTES:

1. PROVIDE ADDITIONAL LOW POINT DRAINS AS REQUIRED BY NFPA 13 AT NO ADDITIONAL COST TO OWNER. ALL DRAINS SHALL BE COORDINATED WITH RCP AND OTHER TRADES. DRAINS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, OTHERWISE AN ACCESS PANEL SHALL BE PROVIDED AND INSTALLED FOR EASE OF ACCESS.
2. PROVIDE ADDITIONAL SPRINKLERS AS NECESSARY TO COORDINATE WITH ALL OBSTRUCTIONS PER NFPA 13 AT NO ADDITIONAL COST TO OWNER.

EXTRA HAZARD GROUP 2

IN GENERAL, ALL AREAS NOT INDICATED WITH HATCHING ARE CONSIDERED TO BE LIGHT HAZARD.

SYSTEM TYPE: WET PIPE

DENSITY: 0.40 GPM/SQFT	AREA OF APPLICATION: 2500 SQFT	HOSE STREAM ALLOWANCE: 500 GPM

NOTES:

1. PROVIDE ADDITIONAL LOW POINT DRAINS AS REQUIRED BY NFPA 13 AT NO ADDITIONAL COST TO OWNER. ALL DRAINS SHALL BE COORDINATED WITH RCP AND OTHER TRADES. DRAINS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, OTHERWISE AN ACCESS PANEL SHALL BE PROVIDED AND INSTALLED FOR EASE OF ACCESS.
2. PROVIDE ADDITIONAL SPRINKLERS AS NECESSARY TO COORDINATE WITH ALL OBSTRUCTIONS PER NFPA 13 AT NO ADDITIONAL COST TO OWNER.

ORDINARY HAZARD GROUP 1 OCCUPANCY

AREAS HATCHED AND INDICATED SHALL BE CONSIDERED ORDINARY HAZARD 1 OCCUPANCY

SYSTEM TYPE: WET PIPE

DENSITY: 0.15 GPM/SQFT	AREA OF APPLICATION: 1,500 SQFT	HOSE STREAM ALLOWANCE: 250 GPM

NOTES:

1. PROVIDE ADDITIONAL LOW POINT DRAINS AS REQUIRED BY NFPA 13 AT NO ADDITIONAL COST TO OWNER. ALL DRAINS SHALL BE COORDINATED WITH RCP AND OTHER TRADES. DRAINS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, OTHERWISE AN ACCESS PANEL SHALL BE PROVIDED AND INSTALLED FOR EASE OF ACCESS.
2. PROVIDE ADDITIONAL SPRINKLERS AS NECESSARY TO COORDINATE WITH ALL OBSTRUCTIONS PER NFPA 13 AT NO ADDITIONAL COST TO OWNER.

ORDINARY HAZARD GROUP 2 OCCUPANCY

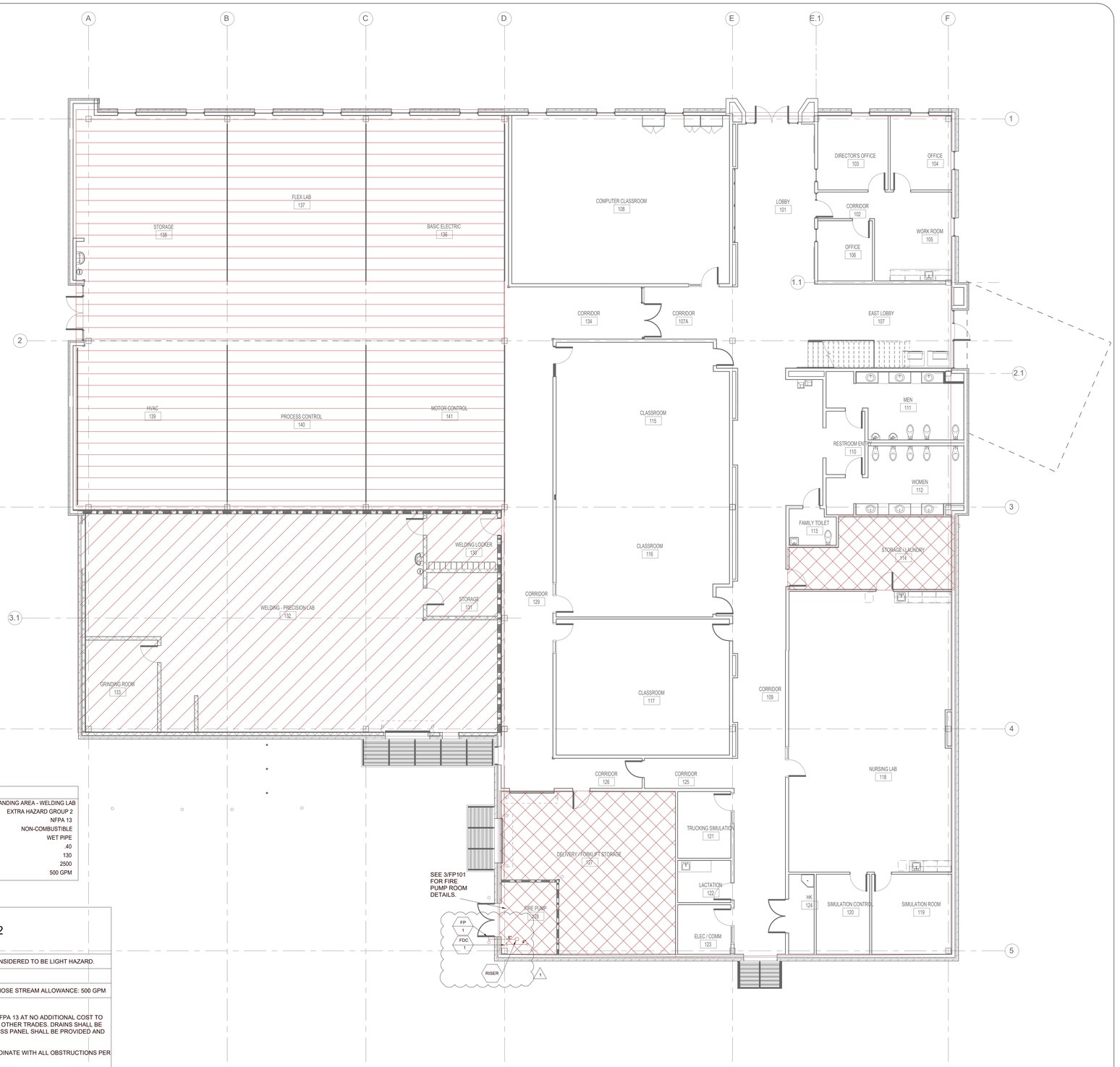
AREAS HATCHED AND INDICATED SHALL BE CONSIDERED ORDINARY HAZARD 2 OCCUPANCY

SYSTEM TYPE: WET PIPE

DENSITY: 0.20 GPM/SQFT	AREA OF APPLICATION: 1,500 SQFT	HOSE STREAM ALLOWANCE: 250 GPM

NOTES:

1. PROVIDE ADDITIONAL LOW POINT DRAINS AS REQUIRED BY NFPA 13 AT NO ADDITIONAL COST TO OWNER. ALL DRAINS SHALL BE COORDINATED WITH RCP AND OTHER TRADES. DRAINS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS, OTHERWISE AN ACCESS PANEL SHALL BE PROVIDED AND INSTALLED FOR EASE OF ACCESS.
2. PROVIDE ADDITIONAL SPRINKLERS AS NECESSARY TO COORDINATE WITH ALL OBSTRUCTIONS PER NFPA 13 AT NO ADDITIONAL COST TO OWNER.



1 FP101R1 FIRE PROTECTION FLOOR PLAN

1/8" = 1'-0"

CCD ARCHITECTS
PLANNERS · INTERIOR DESIGNERS

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WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER 25005

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DRAWING TITLE
FIRE PROTECTION FLOOR PLAN

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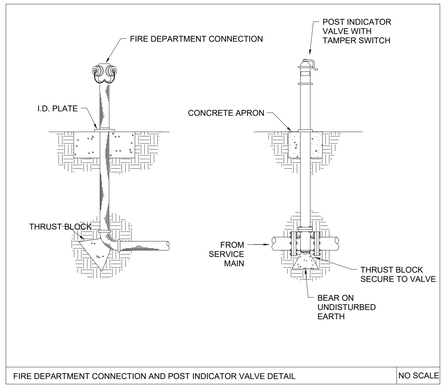
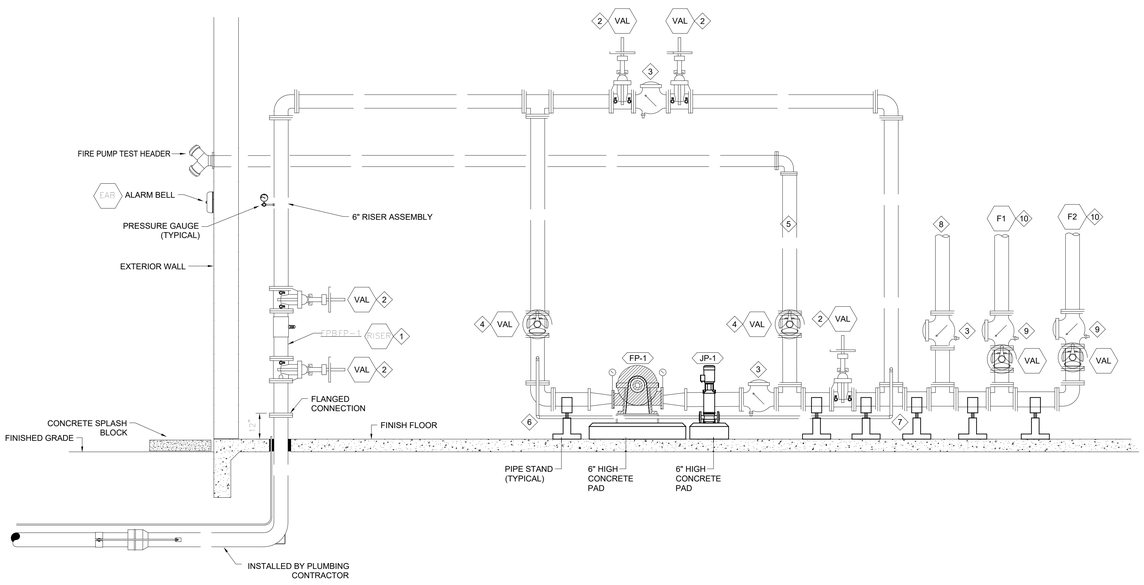


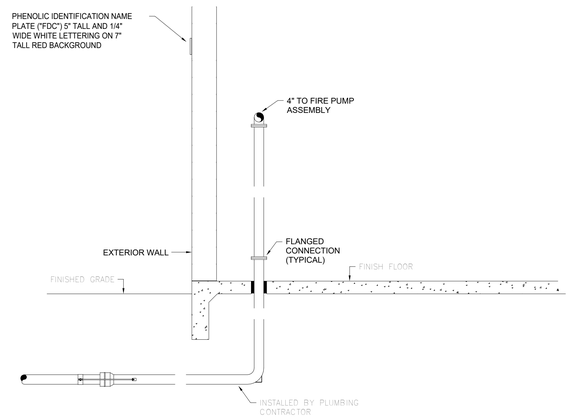
FIRE DEPARTMENT CONNECTION AND POST INDICATOR VALVE DETAIL | NO SCALE

1 FIRE PUMP ASSEMBLY

KEY NOTE	DESCRIPTION
1	6" UL LISTED DOUBLE-CHECK BACKFLOW PREVENTER WITH OS&Y GATE VALVES AND TAMPER SWITCHES. ASSEMBLY SHALL BE APPROVED FOR INSTALLATION IN VERTICAL ORIENTATION
2	BUTTERFLY VALVE WITH TAMPER SWITCH
3	CHECK VALVE
4	OS&Y VALVE WITH TAMPER SWITCH
5	TO TEST HEADER. SEE PLANS FOR CONTINUATION
6	JOCKEY PUMP SUCTION LINE
7	JOCKEY PUMP DISCHARGE LINE
8	TO FIRE DEPARTMENT CONNECTION. SEE PLANS FOR CONTINUATION
9	WET SYSTEM RISER CONTROL - BUTTERFLY VALVE W/TAMPER SWITCH, CHECK VALVE, RISER MANIFOLD WITH MAIN DRAIN TO FLOOR DRAIN AND PRESSURE RELIEF
10	TO SYSTEM. VERIFY WITH CALCULATION NUMBER OF ZONES AND MODIFY AS REQUIRED.

GENERAL NOTES:
1. FIRE PROTECTION CONTRACTOR SHALL DETERMINE ACTUAL REQUIRED PIPE SIZES TO ZONE DISTRIBUTION SYSTEMS.
2. UNDERGROUND METALLIC PIPING SHALL BE PROTECTED BY POLYETHYLENE SLEEVES.
3. ALL EXPOSED FIRE SUPPRESSION PIPING SHALL BE PAINTED (RED).
4. PIPING FROM BELOW GRADE STUBBED UP TO 12" A.F.F. BY PLUMBING SUBCONTRACTOR.
5. FIRE PROTECTION CONTRACTOR TO CONNECT FIRE PROTECTION PIPING AT 12" A.F.F.
6. FIRE SPRINKLER CONTRACTOR SHALL DETERMINE PIPE SIZES WITH HYDRAULIC CALCULATIONS.
7. FIRE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR ALL ACCESSORIES, VALVES, PIPING, ETC. NOT SHOWN ON DETAIL FOR A COMPLETE SYSTEM AS REQUIRED PER NFPA.





FIRE PUMP PIPING SCHEMATIC | NO SCALE

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WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
FIRE PROTECTION DETAILS

DRAWING NUMBER
FP501R1

ERG P.N. 25.116
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FIRE PUMP

MARK	MAKE AND MODEL	DUTY	TYPE	LOCATION	GPM EACH	PSI	PUMP HEAD	VOLTAGE/ PHASE	MOTOR HP	RPM	EMERGENCY POWER	REMARKS
JP-1	GRUNDFOS CR 3-7-3	FIRE SPRINKLER	JOCKEY PUMP	FIRE PUMP RM.	15	68	-	460 /3Ø	1.5	-	YES	PUMP CONTROLLER
FP-1	PEERLESS 6AEF14G-1760	FIRE SPRINKLER	FIRE PUMP	FIRE PUMP RM.	1500	58	-	460 /3Ø	75	1760	YES	HORIZONTAL SPLIT CASE AND PACKAGED ELECTRIC MOTOR DRIVE, PUMP CONTROLLER, REMOTE PANEL.

1

FIRE PROTECTION BACKFLOW PREVENTER

MARK	DESCRIPITION	MAKE	MODEL	SERVES	REMARKS
FPBFP-1	FIRE PROTECTION BACKFLOW PREVENTER	WATTS	757OSY	FIRE PROTECTION	---

MISCELLANEOUS FIRE PROTECTION POWER, CONTROL AND INTERLOCK WIRING CONNECTIONS

TAG	DESCRIPTION	POWER WIRING	CONTROL & INTERLOCK WIRING	ELECTRICAL V/Ø	REMARKS
RISER	FIRE PROTECTION RISER VALVE	DIV 26 ELECTRICAL	DIV 28 FIRE ALARM	120/1	TAMPERPROOF SUPERVISORY SWITCHES TO MONITOR VALVE STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS.
EAB	ELECTRIC ALARM BELL	DIV 26 ELECTRICAL	DIV 28 FIRE ALARM	120/1	LOCATED ON WALL ADJACENT TO FIRE PROTECTION RISER ROOM. SEE FIRE PROTECTION RISER DETAIL FOR ADDITIONAL INFORMATION.
F1	ZONE 1 FIRE PROTECTION FLOW SWITCH	DIV 26 ELECTRICAL	DIV 28 FIRE ALARM	120/1	FLOW SWITCH TO MONITOR SYSTEM FLOW STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS.
PIV 1	POST INDICATOR VALVE	DIV 26 ELECTRICAL	DIV 28 FIRE ALARM	120/1	TAMPERPROOF SUPERVISORY SWITCHES TO MONITOR VALVE STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS.

* PIV SHOWN ON CIVIL DRAWINGS.

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06/26/26
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WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

DATE REVISED AUGUST 18, 2026 — **DESCRIPTION** ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
FIRE PROTECTION SCHEDULES

DRAWING NUMBER
FP601R1

ERG P.N. 25.116
ERG ENGINEERING RESOURCE GROUP, INC.
2030 PASS ROAD, BILOXI, MS 39531 | (228) 388-8740 | ergms.com

MECHANICAL SHEET INDEX

1

DESIGN CRITERIA

SUMMER OUTDOOR COOLING DESIGN CONDITIONS (ASHRAE 0.4%)

DRY BULB: 97.0 °F
WET BULB: 76.0 °F

SUMMER OUTDOOR DEHUMIDIFICATION DESIGN CONDITIONS (ASHRAE 0.4%)

DRY BULB: 84.0 °F
DEWPOINT: 77.0 °F

SUMMER OUTDOOR EVAPORATION DESIGN CONDITIONS (ASHRAE 0.4%)

DRY BULB: 90 °F
WET BULB: 80.0 °F

WINTER OUTDOOR DESIGN CONDITIONS (ASHRAE 99.6%)

DRY BULB: 20.0 °F

SUMMER INDOOR DESIGN CONDITIONS
DRY BULB: 74.0 °F
RH: 55%

WINTER INDOOR DESIGN CONDITIONS

DRY BULB: 70 °F
RH: NO LOWER LIMIT

VENTILATION

OUTDOOR AIR VENTILATION DESIGN AIR FLOW RATES WILL BE PROVIDED AS REQUIRED BY THE INTERNATIONAL MECHANICAL CODE, 2024, ASHRAE 62.1.

CODE REVIEW

APPLICABLE CODES (BASIS OF DESIGN)
CODES REQUIREMENTS INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

2024 INTERNATIONAL BUILDING CODE

2024 INTERNATIONAL PLUMBING CODE

2024 INTERNATIONAL MECHANICAL CODE

2024 NATIONAL ELECTRICAL CODE

MECHANICAL LEGEND

DUCTWORK

	RADIUS ELBOW
	ELBOW WITH TURNING VANES
	RECTANGULAR BRANCH TAKEOFF WITH BALANCING DAMPER
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR SUPPLY DUCT DOWN
	RECTANGULAR RETURN OR EXHAUST DUCT UP
	RECTANGULAR RETURN OR EXHAUST DUCT DOWN
	ROUND DUCT UP
	ROUND DUCT DOWN
	CONICAL ROUND BRANCH TAKEOFF FROM RECT. DUCT WITH BALANCING DAMPER
	CONICAL ROUND BRANCH TAKEOFF FROM ROUND DUCT WITH BALANCING DAMPER
R	SLOPING RISE IN DUCTWORK
D	SLOPING DROP IN DUCTWORK
18x12" / 18x12"	DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
18" Ø / 18" Ø	ROUND DUCT DIAMETER SIZE (CLEAR INSIDE DIMENSION)
18/12" / 18/12"	OVAL DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
	SIDE, TOP, OR BOTTOM ACCESS DOOR
	RECTANGULAR / SQUARE TO ROUND / OVAL TRANSITION
	DOUBLE-WALL DUCT. SIZE SHOWN IS INSIDE CLEAR
	FLEXIBLE DUCT
	VOLUME DAMPER IN DUCT
M M	MOTORIZED DAMPER
F F	FIRE DAMPER
B B	GRAVITY BACK DRAFT DAMPER
	DUCT END / CAP

PIPING

R / RS/RL	REFRIGERANT SUCTION/ LIQUID

DIFFUSER, RETURN AND EXHAUST GRILLES

CEILING SUPPLY DIFFUSER

A8 200 — DIFFUSER TAG AND DUCT RUNOUT SIZE; CFM

4 WAY SUPPLY DIFFUSER. THROW INDICATED BY ARROWS IN DIRECTION OF THROW.

CEILING RETURN OR EXHAUST DIFFUSER

B1 200 — TAG; CFM

SIDEWALL SUPPLY REGISTER

C1 200 — TAG; CFM

SIDEWALL RETURN REGISTER

TAG WITH NECK SIZE OF SIDEWALL GRILLE — D 12x12" 200; CFM

CEILING MOUNTED LINEAR SLOT DIFFUSER

TAG LSD-1 CFM	RETURN WITH LIGHT SHIELD
LSD-1 200	SUPPLY WITH INSULATED PLENUM

SIDEWALL MOUNTED LINEAR SLOT DIFFUSER

TAG LSD-1 CFM	RETURN WITH LIGHT SHIELD
LSD-1 200	SUPPLY WITH INSULATED PLENUM

MISCELLANEOUS

Ø	DIAMETER
1 / M2.1	DETAIL NUMBER; DRAWING NUMBER; LARGE SCALE DESIGNATION
CT-1	CT-1 — EQUIPMENT TYPE; EQUIPMENT NUMBER; EQUIPMENT DESIGNATION
T-3.24	3.24 — THE NUMBER ON SYSTEM; SYSTEM; VAV TERMINAL UNIT DESIGNATION
IU-1.01	1.01 — THE NUMBER ON SYSTEM; SYSTEM; VRV INDOOR UNIT DESIGNATION
	EXISTING EQUIPMENT, PIPING, OR DUCTWORK TO REMAIN IN SERVICE.
	EXISTING EQUIPMENT, PIPING, OR DUCTWORK TO BE REMOVE.
	NEW CONNECTION TO EXISTING PIPING, DUCTWORK AND/OR EQUIPMENT

CONTROLS

Tp	WIFI PROGRAMMABLE THERMOSTAT
OS	WALL OR CEILING OCCUPANCY SENSOR
WS	WALL SWITCH
H	HUMIDITY SENSOR
S	TEMPERATURE SENSOR
T	THERMOSTAT
CO2	CARBON DIOXIDE SENSOR
EMCS	ENERGY MANAGEMENT AND CONTROL SYSTEM
ORT	0-6 HOUR OVERRIDE TIMER
T/C	TIME CLOCK
ESS	HVAC SYSTEM EMERGENCY SHUT-OFF
FS	FAN SWITCH
WFS	WELDING FAN SWITCH

MECHANICAL ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHU	AIR HANDLING UNIT
AMPS	AMPERAGE
AS	AIR SEPARATOR
B	BOILER
BD	BALANCING DAMPER
BDD	BACKDRAFT DAMPER
BHP	BRAKE HORSE POWER
BMS	BUILDING MANAGEMENT SYSTEM
BPD	BYPASS DAMPER
BTU	BRITISH THERMAL UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CER	CEILING RETURN GRILLE
CER	CEILING RETURN REGISTER
CFM	CUBIC FEET PER MINUTE CFM
CG	CEILING GRILLE
CH	CHILLER
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CRA	CONDITIONING RETURN AIR
CSA	CONDITIONING SUPPLY AIR
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CT	COOLING TOWER
CTG	CEILING TRANSFER GRILLE
CU	CONDENSING UNIT
DAD	DUCT ACCESS DOOR
DB	DRY BULB
DG	DOOR GRILLE
DH	DEHUMIDIFIER
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENCY
ET	EXPANSION TANK
ELEC	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
°F	DEGREES FAHRENHEIT
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FUSIBLE LINK FIRE DAMPER W/ DAD
FLA	FULL LOAD AMPS
FLR	FLOOR
FT	FEET
GF	GAS FURNACE
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HC	HEATING COIL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HRU	HEAT RECOVERY UNIT
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
ID	INSIDE DIMENSION
KW	KILOWATT KW
FS	FAN SWITCH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LFD	LOUVER FACE DIFFUSER
LRA	LOCK ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
M	MOTORIZED DAMPER
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MECH	MECHANICAL
MFG	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MUA	MAKE UP AIR UNIT
NC	NORMALLY CLOSED
NFA	NET FREE AREA
NIC	NOT IN THIS CONTRACT
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
OA	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIMENSION
P	PUMP
PH OR Ø	PHASE
PD	PRESSURE DROP
PLBG	PLUMBING
PSA	PRIMARY SUPPLY AIR
PSI	POUNDS PER SQUARE INCH (GAUGE)
PRV	PRESSURE REDUCING VALVE
QTY	QUANTITY
RA	RETURN AIR
REFR	REFRIGERANT
REQ'D	REQUIRED
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RL	REFRIGERANT LIQUID
RLA	RUN LOAD AMPS
RP	RECIRCULATING PUMP
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SENS	SENSIBLE
SD	SMOKE DAMPER
SPD	SPLITTER DAMPER
SQFT	SQUARE FEET
SP	STATIC PRESSURE
TA	TRANSFER AIR
TYP	TYPICAL
UC	UNDERCUT DOOR 5/8"
V	VOLTS
VAV	VARIABLE AIR VOLUME
VAVD	VARIABLE AIR VOLUME DAMPER
VEA	VENTILATION EXHAUST AIR
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VD	VOLUME DAMPER
VRF	VARIABLE REFRIGERANT FLOW
VTR	VENT THRU ROOF
W/	WITH
WB	WET BULB
WS	WELDING FAN SWITCH
WSR	WALL SUPPLY REGISTER
WHSP	WATER SOURCE HEAT PUMP
MS	MOTOR STARTER

MECHANICAL GENERAL NOTES

1. EACH CONTRACTOR, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER ELECTRICAL SERVICE, AND AVOID CONFLICT WITH ANY OTHER BUILDING SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
2. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
3. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
4. ALL SYSTEMS, EQUIPMENT, AND MATERIALS ARE TO BE INSTALLED IN A NEAT AN WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
5. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS. REFERENCE SPECIFICATION SECTION "MECHANICAL GENERAL PROVISIONS" FOR COORDINATION DRAWING REQUIREMENTS.
6. DO NOT SCALE DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THEIR WORK, ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES.
8. TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUST DUCTS.
9. THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS, DEPTHS, ELEVATIONS, AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
10. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE GENERAL CONTRACTOR/ROOFER.
11. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
12. THE PURPOSE AND INTENT OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, AND SAFE FACILITY, ANYTHING LESS SHALL BE UNACCEPTABLE.
13. ALL VIBRATING, OSCILLATING, NOISE PRODUCING OR ROTATING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY, VIBRATING, OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION SHALL BE THAT OF THE ARCHITECT.
14. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ARCHITECT PRIOR TO INSTALLATION FOR CLARIFICATION.
15. ALL SUPPORTS FOR EQUIPMENT, DEVICES, OR FIXTURES SHALL BE UNIQUE FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT AND CONSENT OF THE OTHER TRADE, IN WRITING.
16. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ARCHITECT OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
17. THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING, AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC.
18. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT BY THIS CONTRACTOR.
19. THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, AND ALL OTHER CONTRACTORS SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
20. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS ASSOCIATED WITH DRAINING AND FILLING PIPING SYSTEMS AS REQUIRED TO INSTALL THEIR NEW WORK.
21. TESTING, ADJUSTING, AND BALANCING AGENCY IS TO PROVIDE SIZING OF FAN AND MOTOR SHEAVES REQUIRED FOR PROPER BALANCE. REPLACE FAN AND MOTOR SHEAVES AND BELTS AS REQUIRED ON EQUIPMENT (AHUs, EFs, ETC.). THE MECHANICAL CONTRACTOR SHALL PURCHASE AND INSTALL ALL SHEAVES AND BELTS AS REQUIRED.
22. PRIOR TO ORDERING ANY MATERIALS OR ROUGH-IN OF ANY KIND, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS (I.E., VOLTAGE, PHASE, CIRCUIT BREAKER, WIRING SIZE, ETC.) WITH THE ELECTRICAL CONTRACTOR. THERE WILL BE NO CHANGE IN THE CONTRACT AMOUNT FOR ANY DISCREPANCIES. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS, VENDORS, AND SUPPLIERS AND SHALL INSURE COMPLETE, 100% FUNCTIONAL, TESTED, INSPECTED, AND APPROVED SYSTEMS. CLAIMS FOR ADDITIONAL COST OR CHANGE ORDERS WILL IMMEDIATELY BE REJECTED.
23. EQUIPMENT BRACING WILL BE INCLUDED FOR ALL OVERHEAD UTILITIES AND OTHER EQUIPMENT WEIGHING 31 POUNDS OR MORE (EXCLUDING DISTRIBUTED SYSTEMS SUCH AS PIPING, ETC.). BRACING SHALL BE ACCOMPLISHED BY EITHER RIGID OR FLEXIBLE SYSTEMS. ALL EQUIPMENT MOUNTINGS SHALL BE DESIGNED TO RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. ALL BRACING SHALL BE CONTRACTOR DESIGNED.
24. ALL BRANCH DUCTS TO AIR DISTRIBUTION DEVICES (SUPPLY, RETURN, EXHAUST, ETC.) SHALL INCLUDE A VOLUME DAMPER PER DRAWINGS AND SPECIFICATIONS.
25. DUCT SIZES INDICATED ARE ACTUAL INSIDE (NET) DIMENSIONS. ALL RECTANGULAR SUPPLY, RETURN, EXHAUST, AND OUTDOOR AIR DUCT SIZES ARE INSIDE CLEAR DIMENSIONS (INSIDE LINER, WHERE APPLICABLE).
26. THE CONTRACTOR SHALL INSTALL CONDENSATE DRAINS, WITH UNION CONNECTIONS, FROM ALL A/C EQUIPMENT. PROVIDE TRAPPED DRAINAGE PIPING WITH VENT RISERS 6" HIGH NEAR EQUIPMENT CONNECTIONS. PROVIDE NEW INSULATED CONDENSATE DRAINS FOR ALL HVAC COOLING COILS AND OVERFLOW PANS AND ROUTE ON SLOPE TO CONNECTION WITH NEARBY PLUMBING VENT STACK, OR FLOOR DRAIN, OR AS INDICATED ON PLANS. PROVIDE CLEANOUTS ON DRAINS, 1" OR LARGER, EVERY 20' O.C., AND AT ENDS AND OFFSETS OF RUNS.

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06/26/26
STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER 25005

ERG P.N. 25.116
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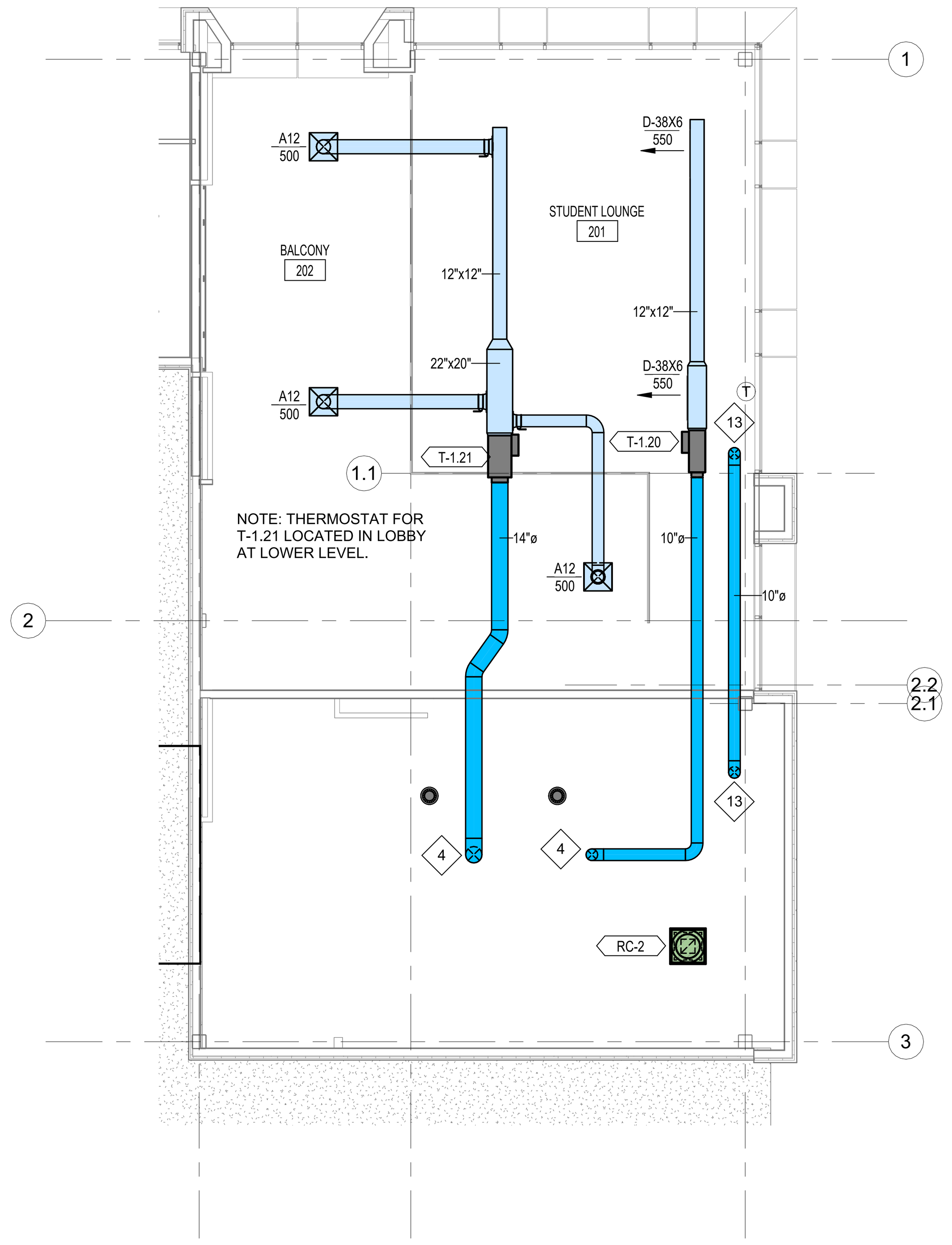
DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
ABBREVIATIONS, LEGEND & NOTES

DRAWING NUMBER
M001R1



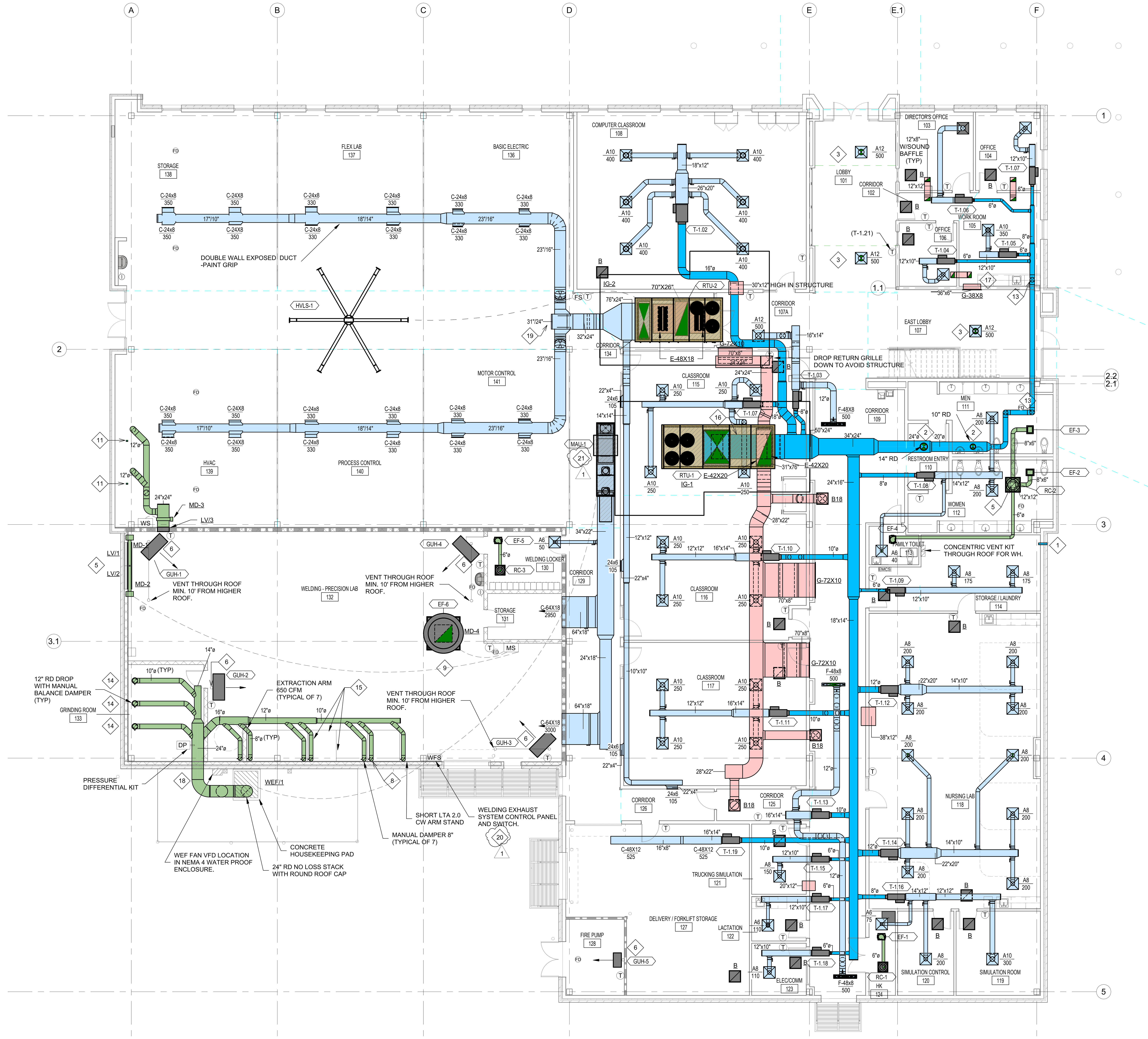
2 MEZZANINE PLAN - MECHANICAL
M101R1 1/8" = 1'-0"

GENERAL NOTES:

A. CONTRACTOR TO PROVIDE ALL EQUIPMENT (EXCEPT AS NOTED), ACCESSORIES AND SUPPORTING MATERIALS LISTED, SHOWN OR IMPLIED IN DOCUMENTS TO PROVIDE A FULL AND FINISHED PROJECT TO OWNER.
B. CONTRACTOR SHALL INSTALL ALL EQUIPMENT PROVIDED BY OWNER.
C. COORDINATE GRILLE LOCATIONS WITH CEILINGS AND LIGHTING. SEE DRAWINGS 2/A122 AND 1/A131 FOR LAYOUT.

PLAN NOTES: X

1. 4" RD DRYER VENT DUCT TO DRYER DUCT CAP.
2. ROUTE DUCT UP OFF TOP OF DUCT. SEE MEZZANINE PLAN.
3. SEE MEZZANINE PLAN FOR DUCTWORK FOR LOBBY GRILLES. MOUNT GRILLES 6" BELOW BOTTOM OF STRUCTURE.
4. ROUTE DUCT DOWN TO MAIN.
5. MOUNT LV/1 AND LV/2 12" AFF OF WELDING SHOP WITH DUCTWORK AND MOTORIZED DAMPER TO OPEN DUCTWORK WHEN EF-6 ENERGIZES.
6. MOUNT GAS FIRED UNIT HEATERS AT 9' AFF WITH WALL MOUNTED HARD-WIRED LOW VOLTAGE HEATING ONLY PROGRAMMABLE THERMOSTAT FOR EACH UNIT. ANGLE DOWN BY 30 DEGREES. MOUNT THERMOSTAT AT 60" AFF. INSTALL CONCENTRIC GAS VENT PIPE UP THROUGH ROOF, TERMINATING MIN. 2' HIGHER THAN ROOF.
7. INSTALL DUCT DOWN TO X" AFF IN GRINDER ROOM.
8. 8" SPIRAL DUCT WITH MANUAL BALANCE DAMPER DOWN TO NEDERMAN TELESCOPIC EXTRACTION ARM (650 CFM) - SEE DETAIL
9. INSTALL ROOF MOUNTED EXHAUST FAN, CONTROLS AND CURB. RUN 36X36" DUCT THROUGH ROOF AND FRAMING TO 6" BELOW BOTTOM OF STRUCTURE. COORDINATE WITH STRUCTURE FOR LOCATION. COVER END OF DUCT WITH BIRDSCREEN. EF-6 TO START FROM THERMOSTAT. MD-4 TO OPEN DUCT WHEN FAN ACTIVATES.
10. INSTALL LOUVER AT 15' AFF AND 12"Ø DUCT DROPS AT 72" AFF. END WITH FLEX CONNECTION AT HVAC TRAINERS.
11. INSTALL 4" EXHAUST FLUE THROUGH ROOF WITH VENT CAP DOWN TO HVAC TRAINERS. TERMINATE 7' AFF TO ACCOMODATE PORTABLE FURNACES NEAR END OF FLUE PIPE.
12. INSTALL 4" EXHAUST FLUE THROUGH ROOF WITH VENT CAP DOWN & CONNECT TO HVAC TRAINERS.
13. RAISE DUCT UP HIGH AS POSSIBLE TO CROSS LOBBY. DROP DOWN IN CORNER OF MEZZANINE TO ABOVE CEILING OF OFFICES.
14. 12" RD DUCT W/MANUAL DAMPER AND SPARK TRAP DOWN TO PRISM DOWNDRAFT DIRECT TABLE (BY OWNER). CONNECT TO CENTRAL SYSTEM CONNECTION KIT. END OF DUCT TO BE NO HIGHER THAN 55" AFF.
15. PROVIDE AND INSTALL 5x5 WELDING BOOTH WITH CURTAIN MODEL K5249-2 PER BOOTH. WELDING TABLES BY OWNER. EACH BOOTH TO HAVE TELESCOPING EXTRACTION ARM MODEL K1655-15 WITH MANUAL DAMPER. COLOR BY ARCHITECT (BLUE NOT AVAILABLE).
16. FIRST 10' OF MEDIUM PRESSURE DUCT TO BE DOUBLE WALL.
17. 36"X6" TRANSFER DUCT OPEN ABOVE CEILING OF WORK ROOM WITH SUPPLY GRILLE ON EAST LOBBY SIDE WALL.
18. PAINT GRIP REQUIRED FOR ALL EXPOSED DUCTWORK.
19. INSTALL LOW PRESSURE OVAL MAIN DUCT WITH BOTTOM AT 13'-4". RISE UP IN FLEX AREA SO BOTTOM OF DUCT IS RUN AT 21'.
20. WELDING EXHAUST SYSTEM EQUIPMENT, INSTALLATION, CONTROLS AND CONTROL WIRING IS SPECIFIED UNDER DIVISION 23 HVAC.
21. MAU-1 CONTROL SYSTEM EQUIPMENT, INSTALLATION, CONTROLS AND CONTROL WIRING IS SPECIFIED UNDER DIVISION 23 HVAC.



1 FIRST FLOOR PLAN - MECHANICAL
M101R1 1/8" = 1'-0"

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WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

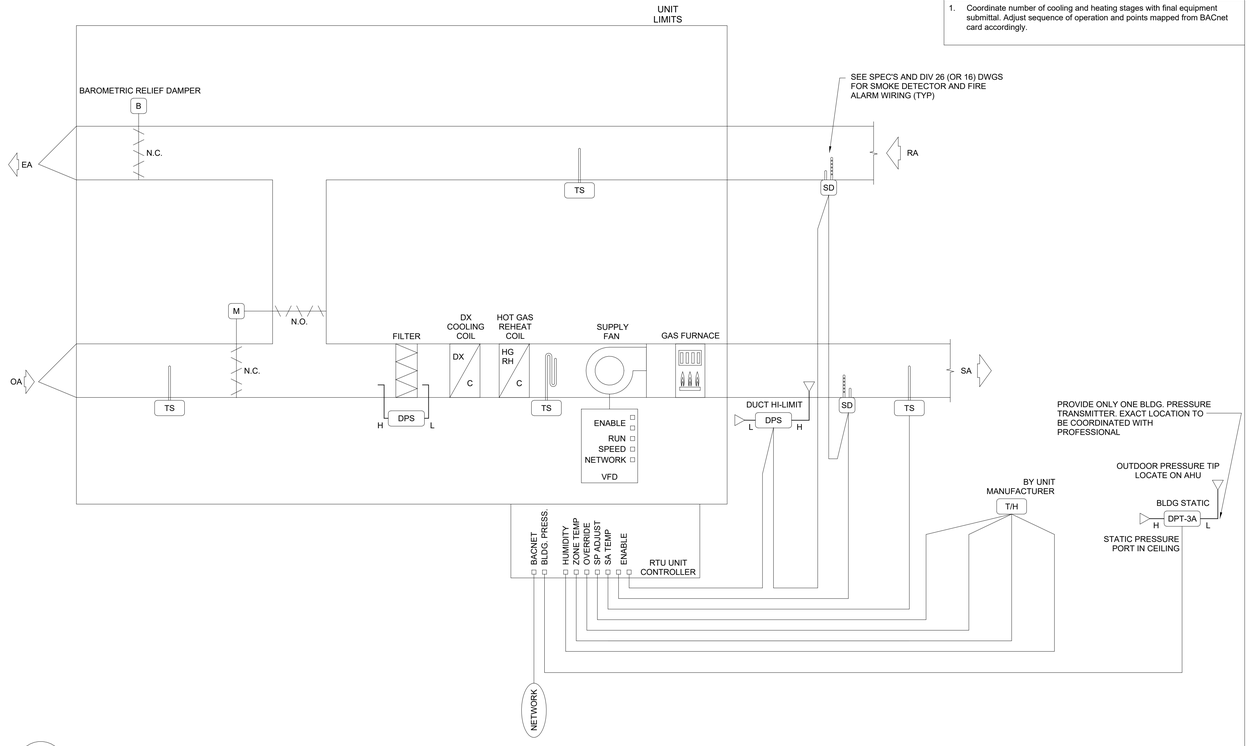
CCD PROJECT NUMBER 25005

DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

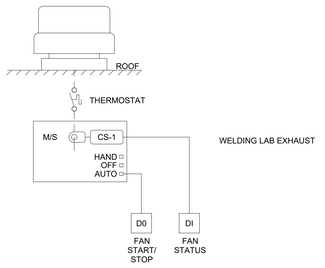
DRAWING TITLE
FIRST FLOOR MECHANICAL PLAN

DRAWING NUMBER
M101R1



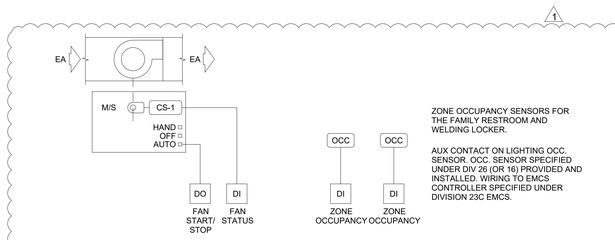
1 / M703 SINGLE ZONE VAV ROOFTOP UNIT CONTROL SCHEMATIC

NO SCALE



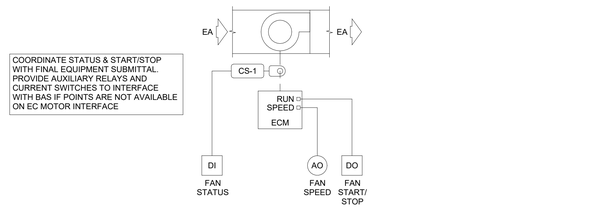
2 / M703 ROOF MOUNTED EXHAUST FAN CONTROL SCHEMATIC

NO SCALE



3 / M703 EXHAUST FAN CONTROL SCHEMATIC - OCCUPANCY SENSOR CONTROLLED

NO SCALE



4 / M703 EXHAUST FAN CONTROL SCHEMATIC - EMCS CONTROLLED

NO SCALE

SZVAV RTU NOTES

1. Coordinate number of cooling and heating stages with final equipment submittal. Adjust sequence of operation and points mapped from BACnet card accordingly.

SZVAV RTU SEQUENCE OF OPERATION

General: The sequence of operation shall be in accordance with ASHRAE Guideline 36-2024. Guideline 36-2024 sequences are not repeated herein for brevity. However, the final as-built sequences of operation shall include all installed sequences from Guideline 36 with any exceptions noted herein.

Sequence of operation shall be per ASHRAE Guideline 36-2024 Single-Zone VAV RTU (Section 5.18). Unit consist of filters, DX coil, hot-gas reheat, gas heat, economizer with barometric relief, supply fan(s), and variable speed drives.

1. General.
   - 1.1. Fully comply with ASHRAE Guideline 36-2024.
   - 1.2. Contractor shall review sequences prior to programming and suggest modifications where required to achieve the design intent. Contractor may also suggest modifications to improve performance and stability or to simplify or reorganize logic in a manner that provides equal or better performance. Proposed changes in sequences shall be included as part of Submittal Package 2.
   - 1.3. Contractor shall include in their bid, time to review and discuss sequences of operation with Professional to ensure programmed sequences comply with ASHRAE Guideline 36-2024 and the configuration of the AHU's.
   - 1.4. Include costs for program modifications if required to provide proper performance of the system.
2. Single-Zone VAV Air Handling Unit (Section 5.18).
   - 2.1. System Overview
     - 2.1.1. The RTU serves a single HVAC zone using variable air volume airflow. (G36 §5.18.1)
     - 2.1.2. Equipped with:
       - 2.1.2.1. Multi-stage DX cooling (G36 §5.18.4.4)
       - 2.1.2.2. Multi-stage gas heat (G36 §5.18.4.5)
       - 2.1.2.3. Hot gas reheat for dehumidification (G36 §5.18.4.7)
     - 2.1.3. An economizer with barometric relief provides outdoor air ventilation and pressure relief. (G36 §5.18.5, §5.18.6)
   - 2.2. Mode Control
     - 2.2.1. The RTU mode is governed by the controlling Zone Group. (G36 §5.18.2, §3.1.3)
     - 2.2.2. Supported modes: Occupied, Unoccupied, Warm-up, Cool-down, Setup, Setback.
     - 2.2.3. The unit responds to the highest priority active mode from the associated zones.
   - 2.3. Fan Control
     - 2.3.1. The supply fan runs in all modes except Unoccupied. (G36 §5.18.3)
     - 2.3.2. Fan speed is controlled by a VFD based on operational mode. (G36 §5.18.3.1)
     - 2.3.3. Fan ramp rate is limited to 10% per minute. (G36 §5.18.3.3)
   - 2.4. Supply Air Temperature (SAT) Control
     - 2.4.1. A PID loop is used for SAT control when the fan is proven on. (G36 §5.18.4)
     - 2.4.2. Cooling Mode: SAT is fixed at 55°F (adjustable). (G36 §5.18.4.4)
     - 2.4.3. Heating Mode: SAT is reset based on the zone's heating loop signal. (G36 §5.18.4.5)
     - 2.4.4. Deadband Mode: SAT remains fixed at 55°F; fan runs at minimum speed. (G36 §5.18.4.6)
     - 2.4.5. Dehumidification Mode: SAT is uncontrolled; hot gas reheat is activated if RH > 60%. (G36 §5.18.4.7)
     - 2.4.6. Heating SAT is capped at 95°F or 20°F above zone temperature to prevent overheating. (G36 §5.18.4.5)
   - 2.5. Economizer & Relief Control
     - 2.5.1. The economizer opens when the outdoor air temperature is below 65°F and cooling is required. (G36 §5.18.5)
     - 2.5.2. Minimum ventilation airflow is maintained using a PID loop tied to CO_2 sensors during Occupied Mode. (G36 §5.18.5.4)
     - 2.5.3. Relief damper modulates using a proportional-only control loop to maintain +0.05" WC building pressure. (G36 §5.18.6)
   - 2.6. Alarms & Safeties
     - 2.6.1. Alarms are generated for:
       - 2.6.1.1. Fan status mismatch
       - 2.6.1.2. High or low static pressure
       - 2.6.1.3. Economizer damper faults
       - 2.6.1.4. Filter maintenance thresholds (G36 §5.18.7)
     - 2.6.2. A smoke detector provides a hardwired interlock to shut down the supply fan. (G36 §5.18.7.3)
     - 2.6.3. Alarm severity is categorized from Level 1 to Level 4, following project-specific alarm definitions. (G36 §5.5)

EXHAUST FAN SEQUENCE OF OPERATION

General: Constant volume exhaust fan(s).

1. See Sequence of Operation - General for setpoints, loops, control modes, alarms, etc.
2. Exhaust fans shall operate when any of the associated system supply fans are proven on and associated Zone Group is in the occupied mode.
3. Fan speed: Exhaust fan shall operate at the speed corresponding to the design exhaust air flow rate. Exhaust fan speed shall determined in conjunction with the Testing, Adjusting, and Balancing Agency.
4. Alarms:
   - 4.1. Generate a Level 5 maintenance alarm when fan has operated for more than 3000 hours. Reset interval counter when alarm is acknowledged.
   - 4.2. Fan alarm is indicated by the status input being different from the output command after a period of 15 seconds after a change in output status.
     - 4.2.1. Commanded on, status off: Level 2.
     - 4.2.2. Commanded off, status on: Level 4.

EXHAUST FAN POINTS LIST

Description	Type	Device	Trend Logging		Calibration
			Commissioning	Continuous	
Fan Status	DI	CS-1	COV	COV	–
Fan Start/Stop	DO	Dry Contact to 120V starter control circuit (coordinate with final equipment submittal)	COV	COV	–
Fan Speed	AO	0-10VDC to ECM	1 min	60 min	–

POINTS MAPPED FROM BACNET CARD

Description	Type	Device	Trend Logging		Calibration
			Commissioning	Continuous	
Supply Fan Start/Stop	DO	Through network	COV	COV	–
Cooling Stage 1	DO	Through network	COV	COV	–
Cooling Stage 2	DO	Through network	COV	COV	-
Cooling Stage 3	DO	Through network	COV	COV	–
Cooling Stage 4	DO	Through network	COV	COV	–
Unit Mode (Cooling, Heating, Dehumidification)	DO	Through network	COV	COV	–
Economizer enable	DO	Through network	COV	COV	–
Economizer minimum position	DO	Through network	COV	COV	–
Compressor lead-lag	DO	Through network	COV	COV	–
Unit mode (Occupied, Unoccupied, Cool-down, Warm-up, Setup, Setback)	DO	Through network	COV	COV	–
Supply fan status	DI	Through network	COV	COV	–
Economizer status	DI	Through network	COV	COV	–
OA/RA damper status	DI	Through network	COV	COV	–
EA damper status	DI	Through network	COV	COV	–
Timed override status	DI	Through network	COV	COV	
Unit alarm contact	DI	Through network	COV	COV	
Dirty filter switch	DI	Through network	COV	COV	
Supply fan speed	AO	Through network	1 min	60 min	
OA/RA damper position	AO	Through network	1 min	60 min	
Discharge air temperature setpoint	AO	Through network	1 min	60 min	
Building static pressure setpoint	AO	Through network	1 min	60 min	
Economizer minimum position setpoint	AO	Through network	1 min	60 min	
OA minimum flow setpoint	AO	Through network	1 min	60 min	
CO2 high-limit	AO	Through network	1 min	60 min	
Humidity high-limit	AO	Through network	1 min	60 min	
Space temperature setpoint	AO	Through network	1 min	60 min	
Discharge air temperature	AI	Through network	1 min	60 min	
Return air temperature	AI	Through network	1 min	60 min	
Outdoor air temperature	AI	Through network	1 min	60 min	
Leaving coil temperature	AI	Through network	1 min	60 min	
Building static pressure	AI	Through network	1 min	60 min	
Filter runtime hours	AI	Through network	1 min	60 min	
Mixed air temperature	AI	Through network	1 min	60 min	
Space CO2	AI	Through network	1 min	60 min	
Space temperature	AI	Through network	1 min	60 min	
Space humidity	AI	Through network	1 min	60 min	

CCD ARCHITECTS
PLANNERS · INTERIOR DESIGNERS
CANIZARO CAWTHON DAVIS
A PROFESSIONAL ASSOCIATION
129 SOUTH PRESIDENT STREET
JACKSON, MISSISSIPPI 39201

JASON CHRISTOPHER GROSS — LICENSED PROFESSIONAL ENGINEER — 17087 — 06/26/26 — STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

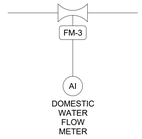
DATE REVISED	DESCRIPTION
AUGUST 18, 2026	ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

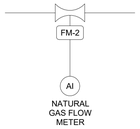
DRAWING TITLE
MECHANICAL CONTROLS

DRAWING NUMBER
M703R1

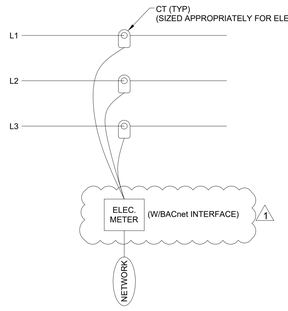
ERG P.N. 25.116
ERG ENGINEERING RESOURCE GROUP, INC.
2030 PASS ROAD, BILOXI, MS 39531 | (228) 388-8740 | ergms.com



1 M704 DOMESTIC WATER FLOW METER CONTROL SCHEMATIC
NO SCALE



2 M704 NATURAL GAS FLOW METER CONTROL SCHEMATIC
NO SCALE



3 M704 CT CONTROL SCHEMATIC
NO SCALE

MISCELLANEOUS POINTS LIST

Description	Type	Device	Trend Logging		Calibration
			Commissioning	Continuous	
Natural Gas Flow Meter	AI	FM-2	1 min	15 min	–
Domestic Water Flow Meter	AI	FM-3	1 min	15 min	–
Ductless Split-System Zone Temperature	AI	TS-3A	1 min	15 min	–

POINTS MAPPED FROM ELEC METER BACNET CARD

Description	Type	Device	Trend Logging		Calibration
			Commissioning	Continuous	
Real power (kW)	AI	Through network	15 min	60 min	–
Reactive power (kVAR)	AI	Through network	15 min	60 min	–
Apparent power (kVA)	AI	Through network	15 min	60 min	–
Power Factor, 3-phase average and per phase	AI	Through network	15 min	60 min	–
Demand, real (kW)	AI	Through network	15 min	60 min	–
Demand reactive (kVAR)	AI	Through network	15 min	60 min	–
Demand apparent (kVA)	AI	Through network	15 min	60 min	–
Peak demand, real (kW)	AI	Through network	15 min	60 min	–
Peak demand, reactive (kVAR)	AI	Through network	15 min	60 min	–
Peak demand, apparent (kVA)	AI	Through network	15 min	60 min	–
Current, 3-phase average and per phase	AI	Through network	15 min	60 min	–
Voltage, 3-phase average and per phase	AI	Through network	15 min	60 min	–
Frequency	AI	Through network	15 min	60 min	–
Accumulated energy, real (kWh)	AI	Through network	15 min	60 min	–
Accumulated energy reactive (kVARh)	AI	Through network	15 min	60 min	–
Accumulated energy apparent (kVAh)	AI	Through network	15 min	60 min	–
Demand interval configuration	AI	Through network	15 min	60 min	–
Alarm	AI	Through network	15 min	60 min	–

CCD ARCHITECTS
PLANNERS · INTERIOR DESIGNERS

CANIZARO CAWTHON DAVIS
A PROFESSIONAL ASSOCIATION
129 SOUTH PRESIDENT STREET
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LICENSED PROFESSIONAL ENGINEER
17087
06/26/26
STATE OF MISSISSIPPI

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY
FRONTAGE ROAD, CARTHAGE, MS

CCD PROJECT NUMBER **25005**

DATE REVISED AUGUST 18, 2026 — **DESCRIPTION** ADDENDUM #1

DATE ISSUED
JUNE 26, 2026

DRAWING TITLE
MECHANICAL CONTROLS

DRAWING NUMBER
M704R1

ERG P.N. 25.116
ERG ENGINEERING RESOURCE GROUP, INC.
2030 PASS ROAD, BILOXI, MS 39531 | (228) 388-8740 | ergms.com

GENERAL NOTES:

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY DRIVEWAY, PAVING, ABANDONED UTILITIES, ETC. THAT IS IN THE PATH OR AREA FOR THE NEW WORK SHOWN IN THIS PROJECT. ANY AREAS DISTURBED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ARCHITECT.

B. THE ROUTING OF NEW UNDERGROUND ELECTRICAL WORK SHALL BE CLOSELY COORDINATED WITH THE ARCHITECT AND OTHER DISCIPLINES.

C. ALL OUTDOOR/UNDERGROUND CONDUITS SHALL BE 3/4" MINIMUM UNLESS OTHERWISE NOTED.

D. ALL OUTDOOR/UNDERGROUND CIRCUITS SHALL BE #10 AWG MINIMUM, UNLESS NOTED OTHERWISE.

E. THE ROUTING OF UNDERGROUND DUCTS IS SHOWN FOR BIDDING PURPOSES AND THE ACTUAL ROUTING SHALL BE CLOSELY COORDINATED AND VERIFIED BY THE ARCHITECT, OWNER AND OTHER DISCIPLINES. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING EXCAVATION.

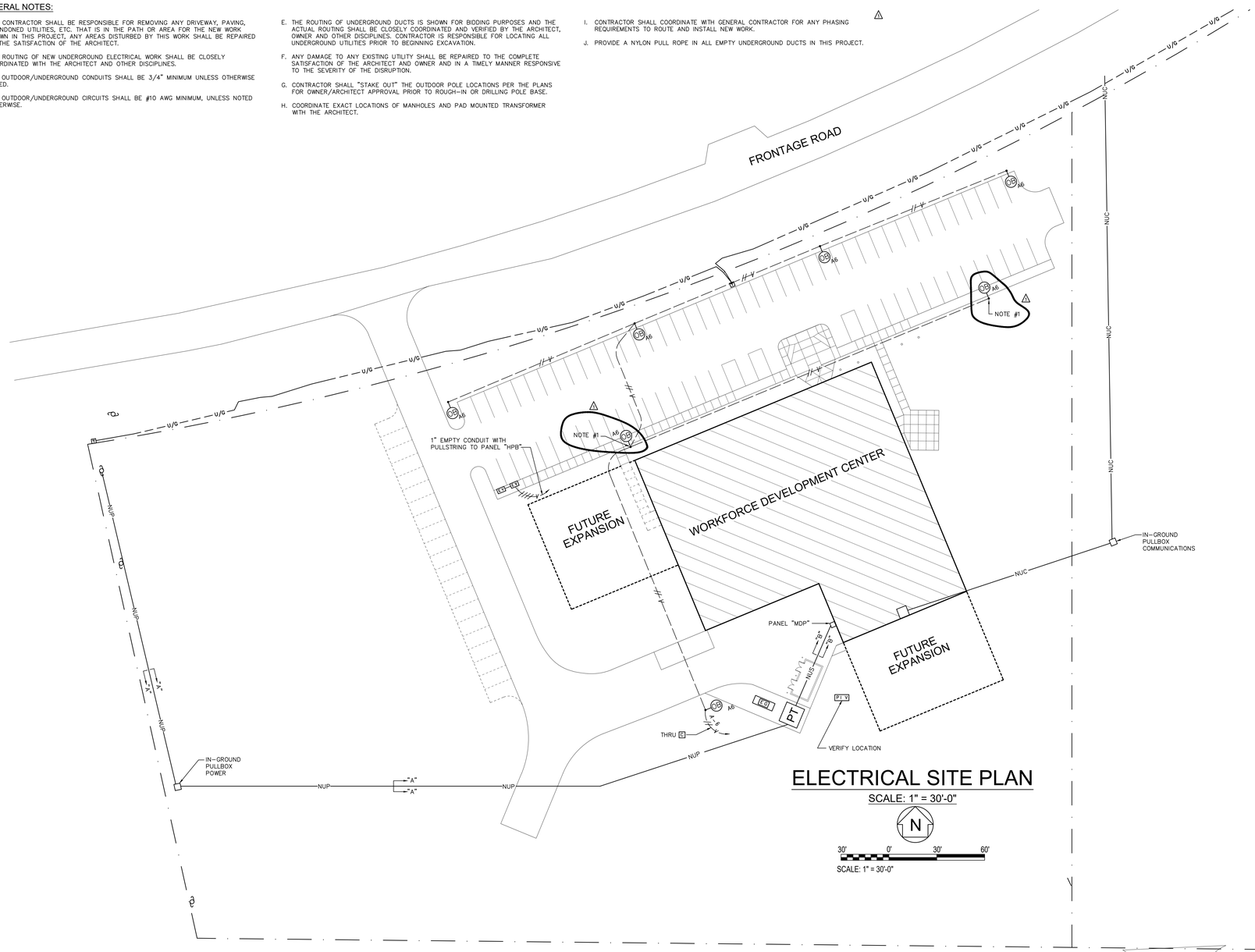
F. ANY DAMAGE TO ANY EXISTING UTILITY SHALL BE REPAIRED TO THE COMPLETE SATISFACTION OF THE ARCHITECT AND OWNER AND IN A TIMELY MANNER RESPONSIVE TO THE SEVERITY OF THE DISRUPTION.

G. CONTRACTOR SHALL "STAKE OUT" THE OUTDOOR POLE LOCATIONS PER THE PLANS FOR OWNER/ARCHITECT APPROVAL PRIOR TO ROUGH-IN OR DRILLING POLE BASE.

H. COORDINATE EXACT LOCATIONS OF MANHOLES AND PAD MOUNTED TRANSFORMER WITH THE ARCHITECT.

I. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR ANY PHASING REQUIREMENTS TO ROUTE AND INSTALL NEW WORK.

J. PROVIDE A NYLON PULL ROPE IN ALL EMPTY UNDERGROUND DUCTS IN THIS PROJECT.



ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

N

30' 0' 30' 60'

SCALE: 1" = 30'-0"

PANEL LEGEND:

"A" = PANEL "EHA"
"B" = PANEL "LA"
"C" = PANEL "LPC"
"D" = PANEL "LPB"
"E" = PANEL "ELA"
"F" = PANEL "HPC"
"G" = PANEL "LF-1"
"H" = PANEL "LF-2"
"J" = PANEL "LF-3"
"K" = PANEL "LF-4"
"L" = PANEL "LF-5"
"M" = PANEL "LF-6"

NOTES: (SITE PLAN)

1. THIS POLE BASE TO BE 8" ABOVE FINISHED GRADE. VERIFY HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

ADD ALT#1
CDL TRAINING

CANIZARO CAWTHON DAVIS
A PROFESSIONAL ASSOCIATION

129 SOUTH PRESIDENT STREET
JACKSON, MISSISSIPPI 39201

WORKFORCE DEVELOPMENT CENTER
LEAKE COUNTY BOARD OF SUPERVISORS
245 HIGHWAY 25 NORTH, CARTHAGE, MS 39501

CCD PROJECT **25005**

DATE ISSUED
JUNE 26, 2026

DATE REVISED	DESCRIPTION
△ - AUGUST 18, 2026	ADD 1

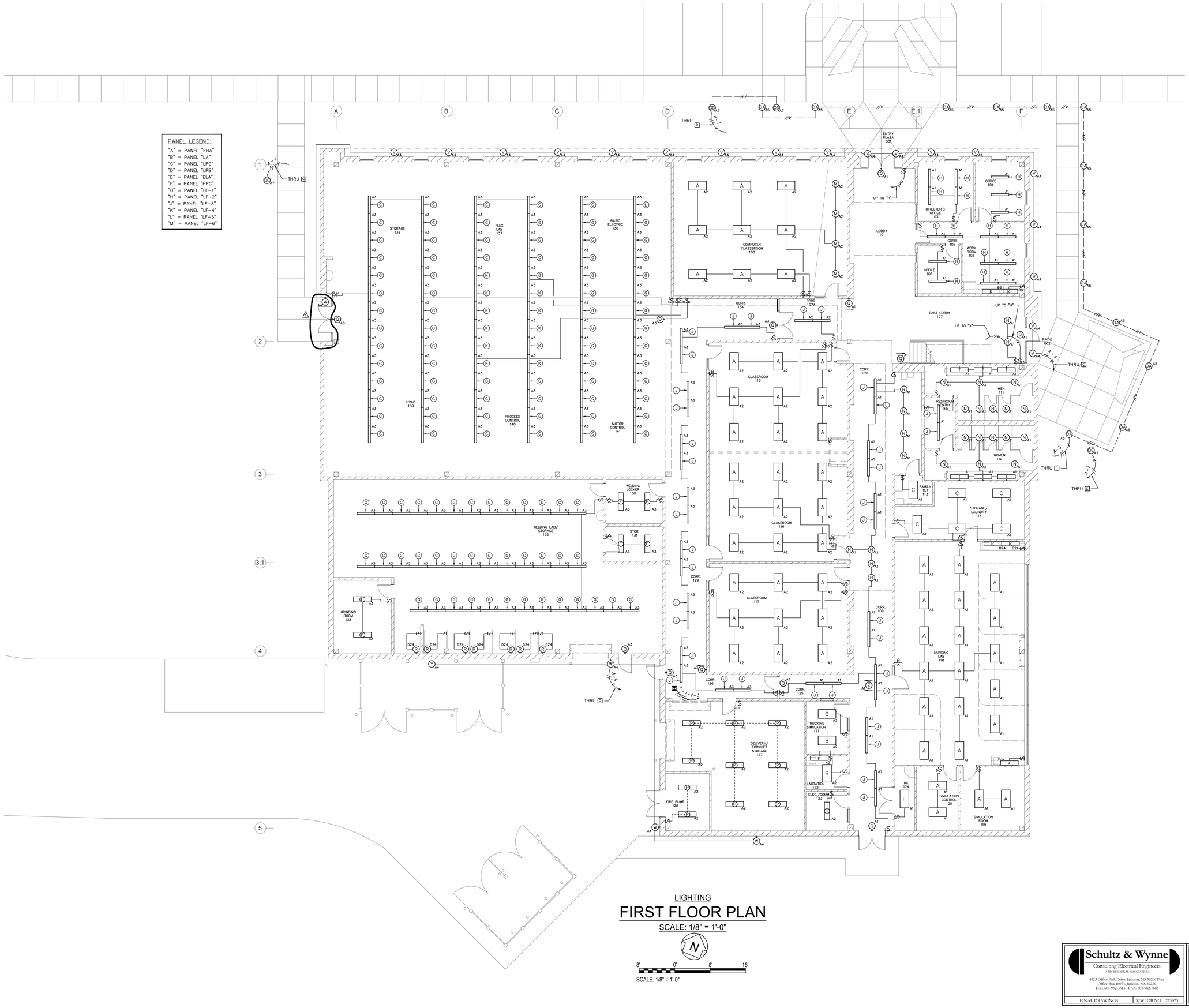
DRAWING TITLE
SITE PLAN

DRAWING NUMBER
E-1 R1

Schultz & Wynne
Consulting Electrical Engineers
A PROFESSIONAL ASSOCIATION
4523 Office Park Drive, Jackson, MS 39206 Post
Office Box 16074, Jackson, MS 39236
TEL. 601-982-5313 - FAX. 601-982-7685

FINAL DRAWINGS | S/W JOB NO.: 225073

STANLEY D. SCHULTZ — REGISTERED PROFESSIONAL ENGINEER — No. 10553 — STATE OF MISSISSIPPI



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CCD PROJECT **25005**

DATE ISSUED
JUNE 26, 2026

DATE REVISED	DESCRIPTION
⚠1 - AUGUST 18, 2026	ADD 1

DRAWING TITLE
FIRST FLOOR PLAN
LIGHTING

DRAWING NUMBER
E-3 R1

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FINAL DRAWINGS | S/W JOB NO: 225073

STEPHEN D. SCHULTZ — 15534 — REGISTERED PROFESSIONAL ENGINEER — STATE OF MISSISSIPPI