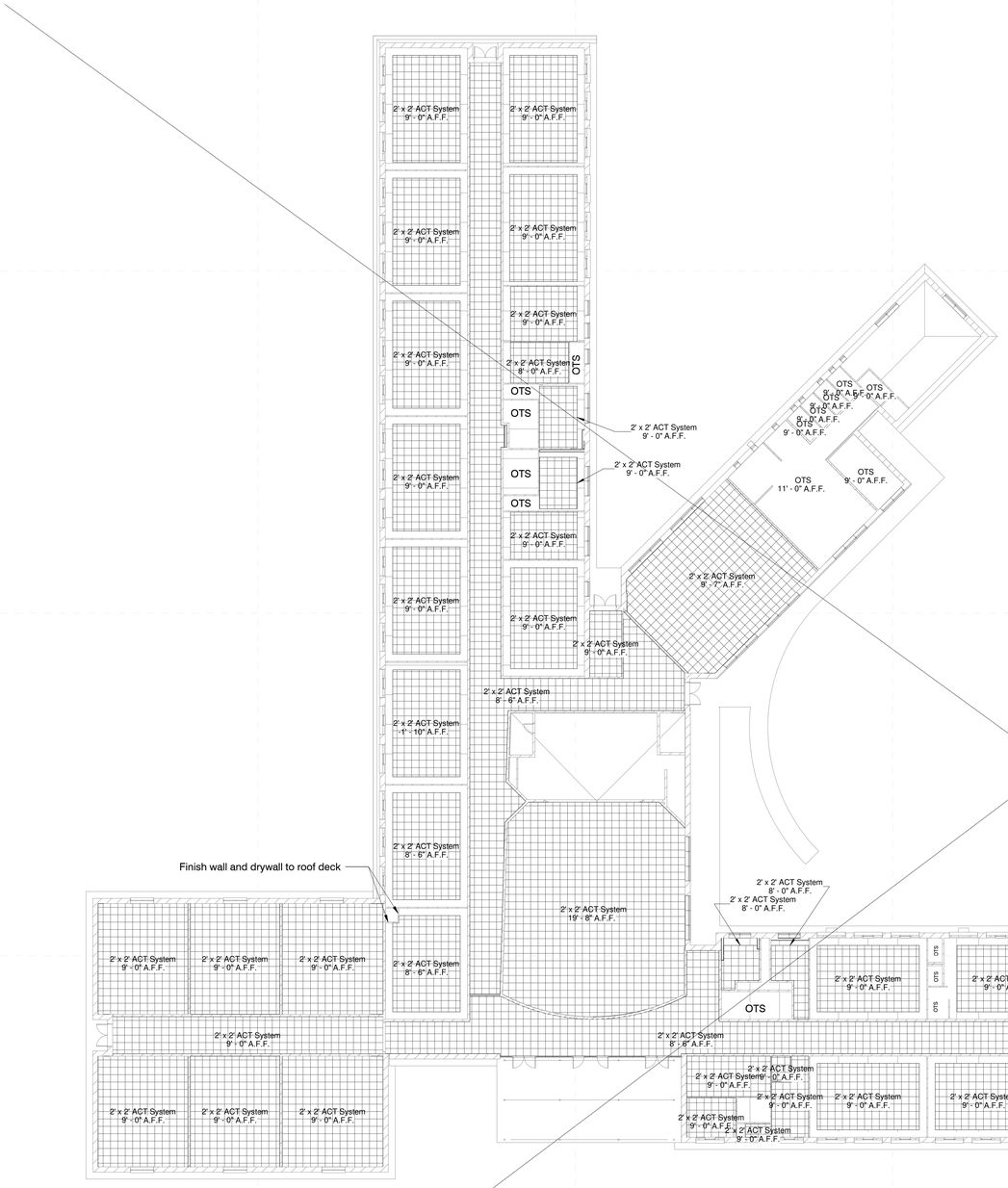
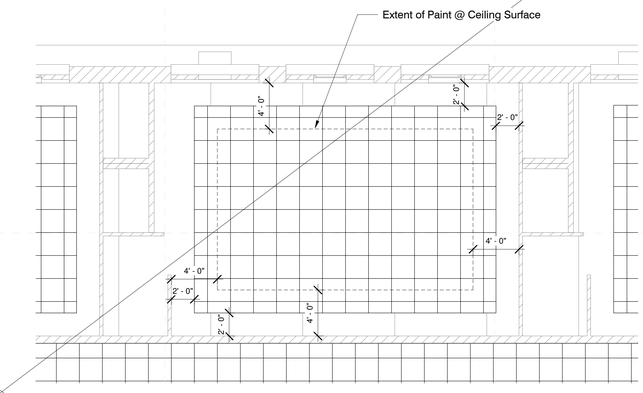
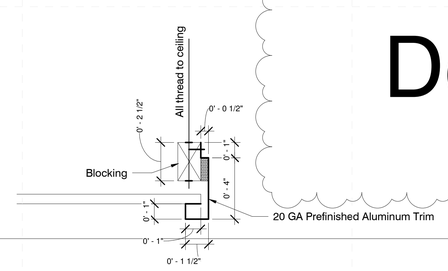


1 **Floor Plan - New Construction**
1/16" = 1'-0"



2 **Typical Ceiling @ Classrooms**
3/16" = 1'-0"



Ceiling Edge Trim Detail
3" = 1'-0"

General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if resused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 8'-8" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

Delete Sheet entirely

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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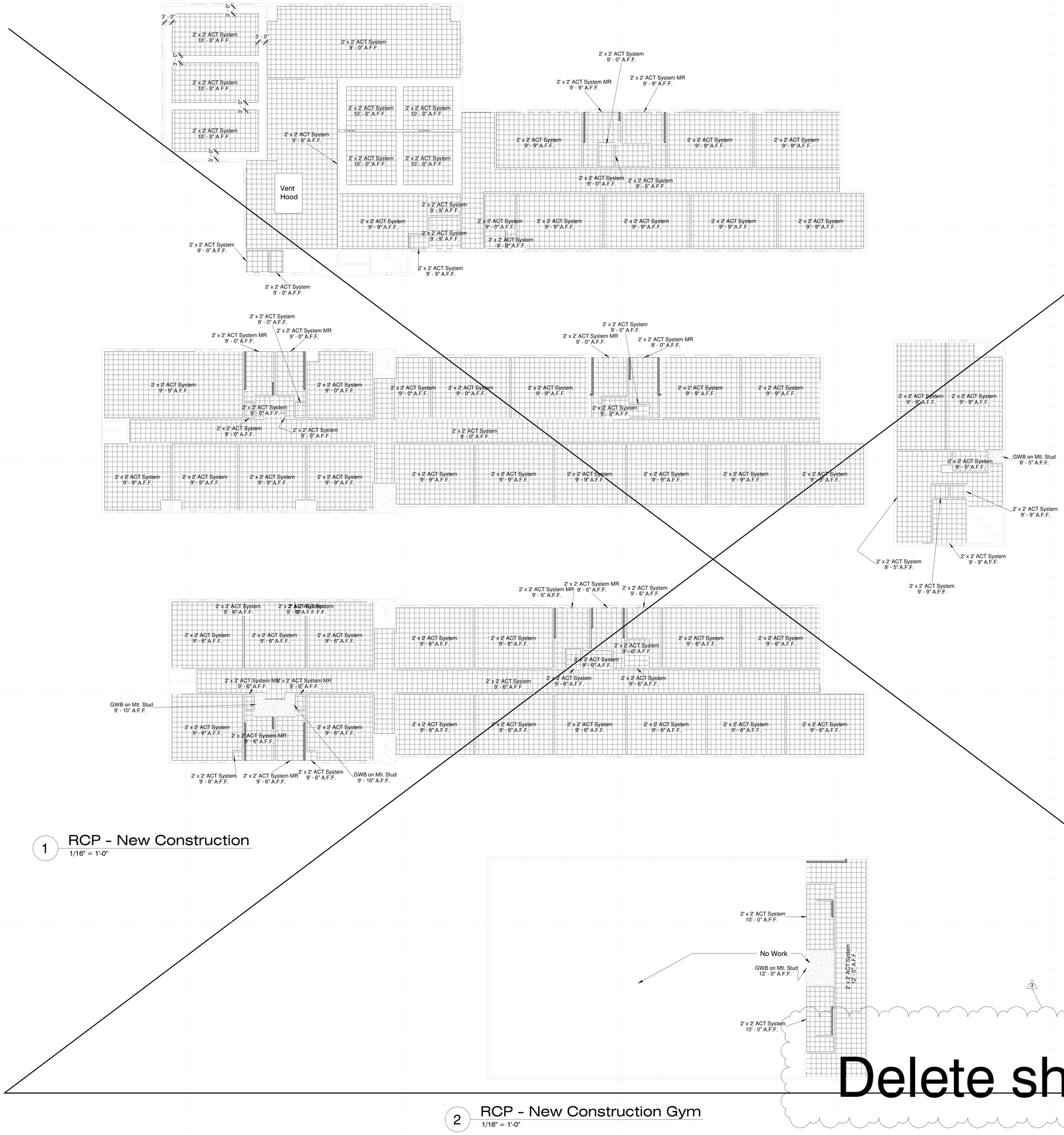
Sunflower Consolidated School District ESSER 2&3 Phase I
AW James Elementary: 400 South Blvd, Drew, MS 38737

Construction Documents

Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	3	10/27/22

A-141a
Composite RCP



1 RCP - New Construction
1/16" = 1'-0"

2 RCP - New Construction Gym
1/16" = 1'-0"

Delete sheet entirely

General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if reused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 10'-0" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I
Carver Elementary School: 404 Jefferson St. Indianola, MS 38751

Construction Documents

Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	3	10/27/22

A-141b
New RCP

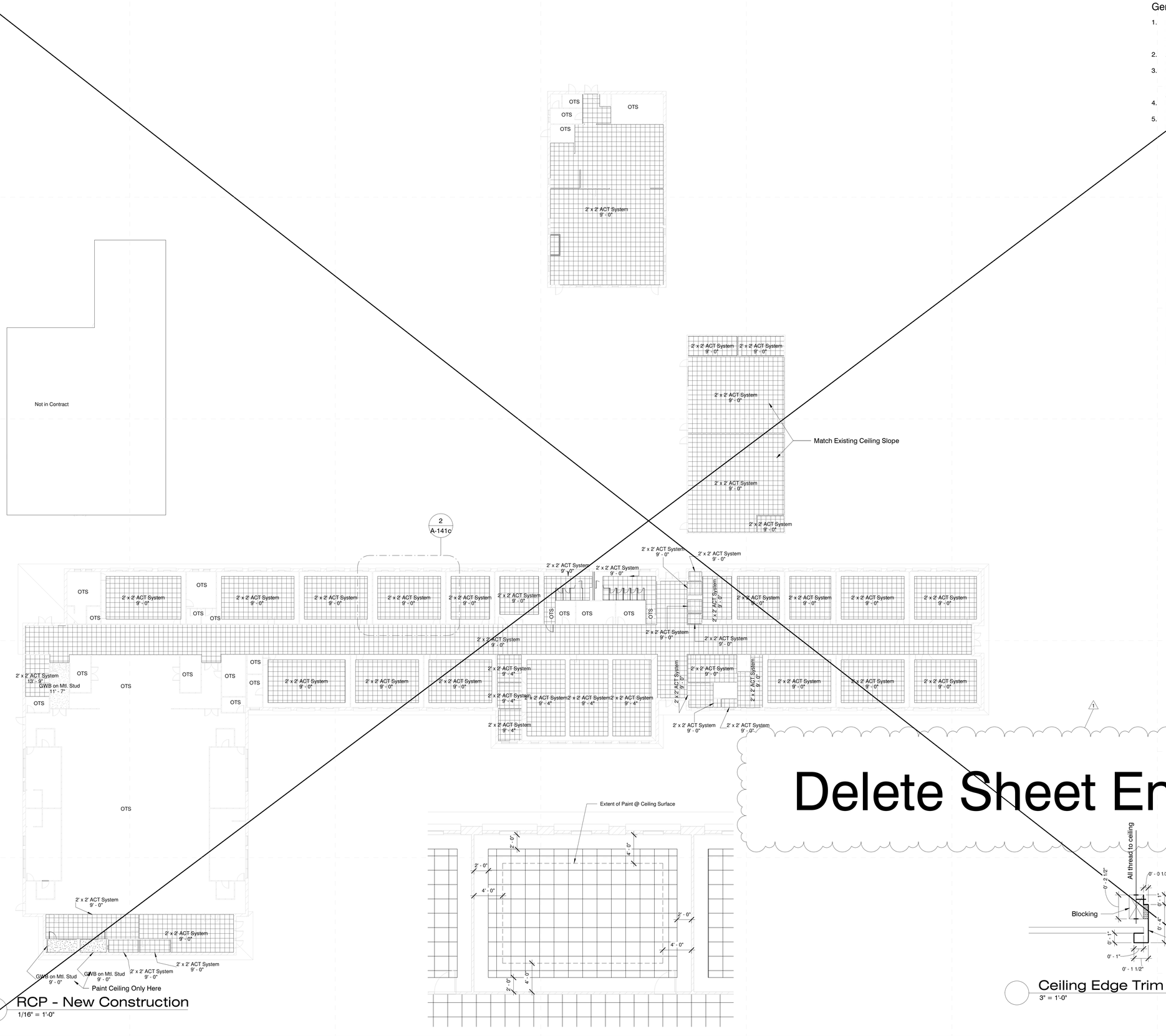
10/27/2022 10:01:08 AM
C:\Users\jmpur\Documents\21027 Carver Elementary School_paulpurser.Y2QHY.rvt

General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if resused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 8'-8" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise.
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)



1 RCP - New Construction
1/16" = 1'-0"

2 Typical Ceiling
3/16" = 1'-0"

Delete Sheet Entirely

Ceiling Edge Trim Detail
3" = 1'-0"

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AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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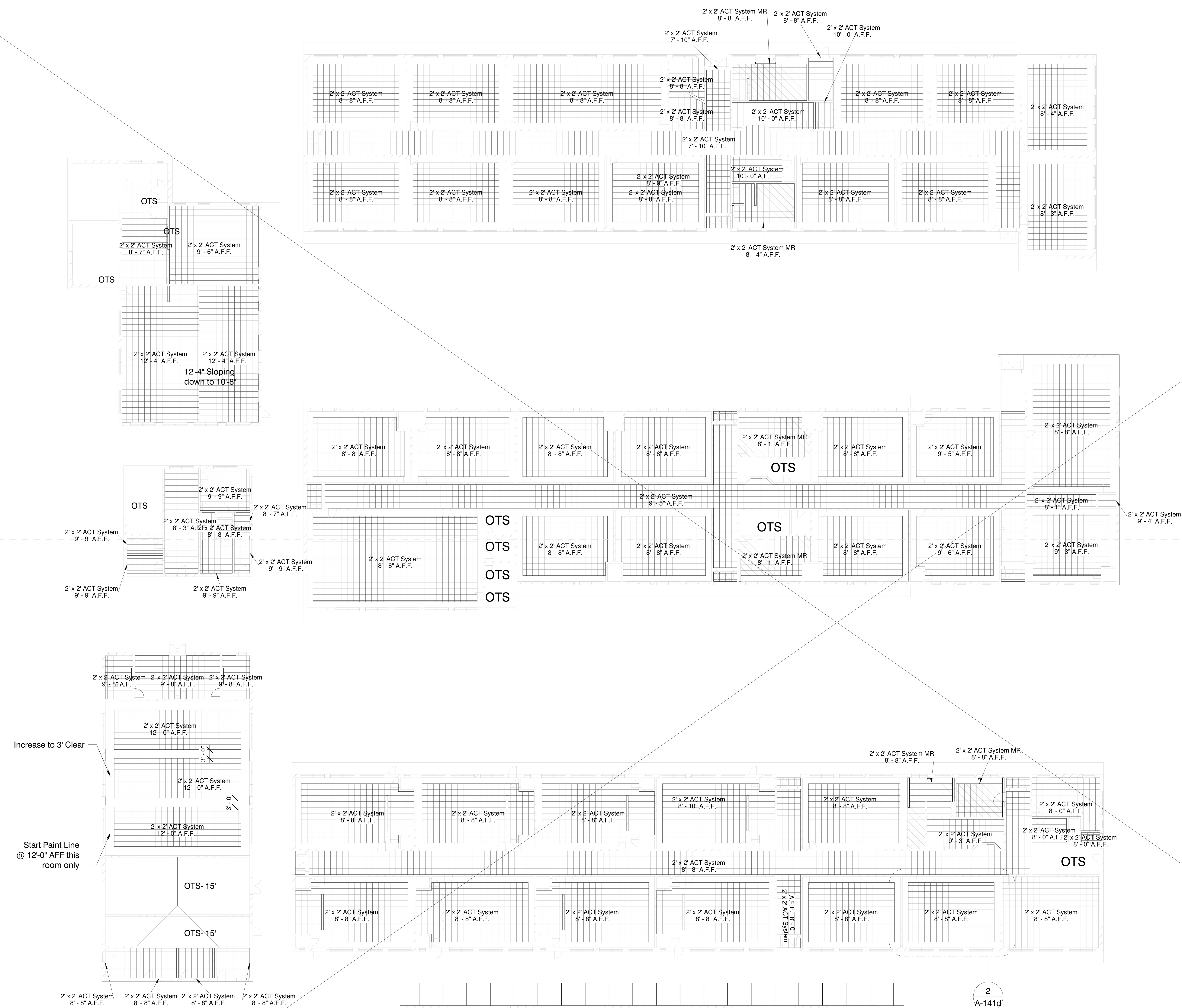
Sunflower Consolidated School District ESSER 2&3 Phase I
Drew Hunter Middle School: 10 Swoope Rd, Drew, MS 38737

Construction Documents

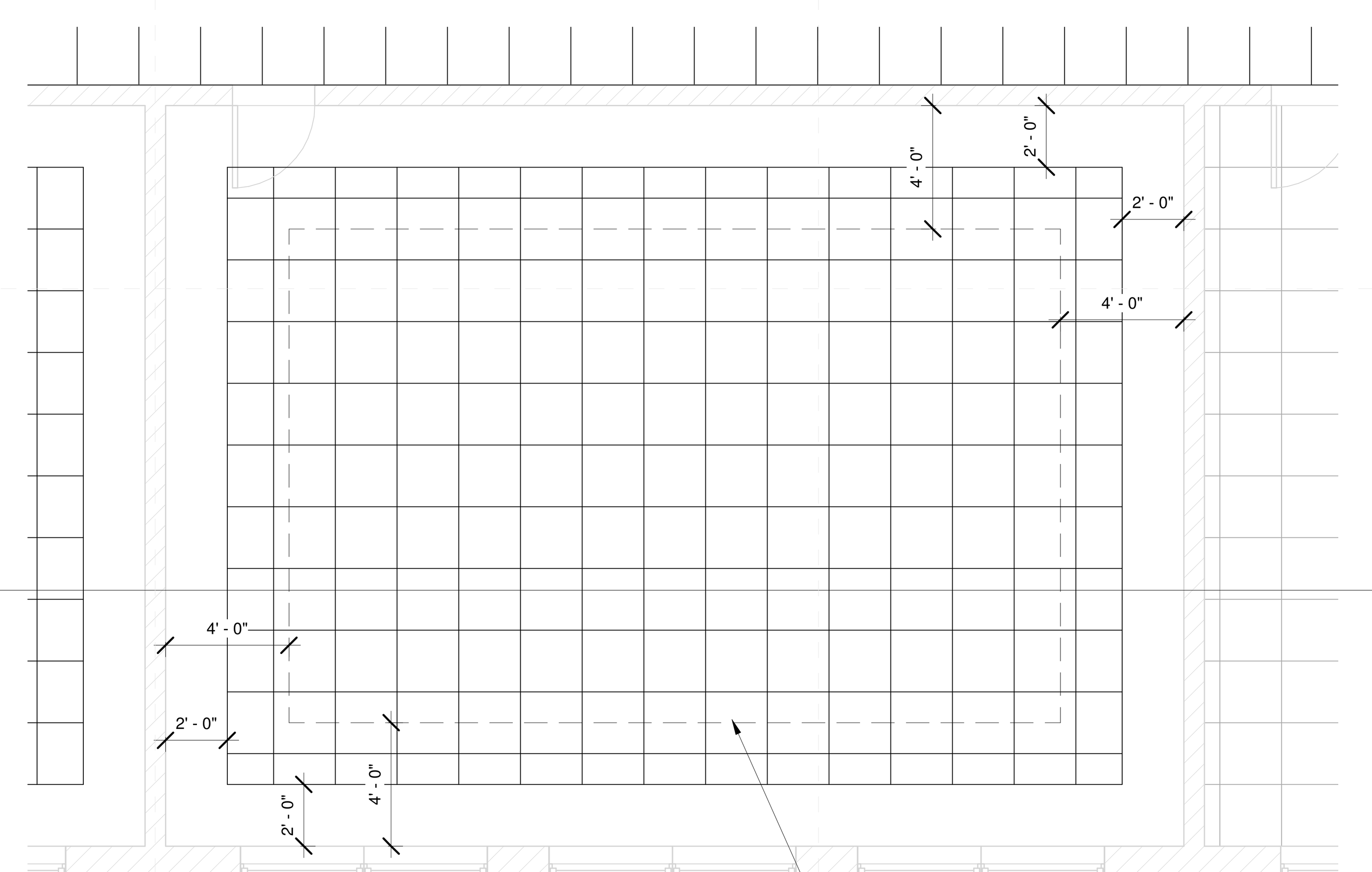
Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	1	10/27/22

A-141c
Composite RCP

00.08 Architectural
A-141d



1 RCP - New Construction
1/16" = 1'-0"



2 Typical Ceiling Layout
1/4" = 1'-0"

General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if resused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 8'-8" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

6

Delete sheet entirely

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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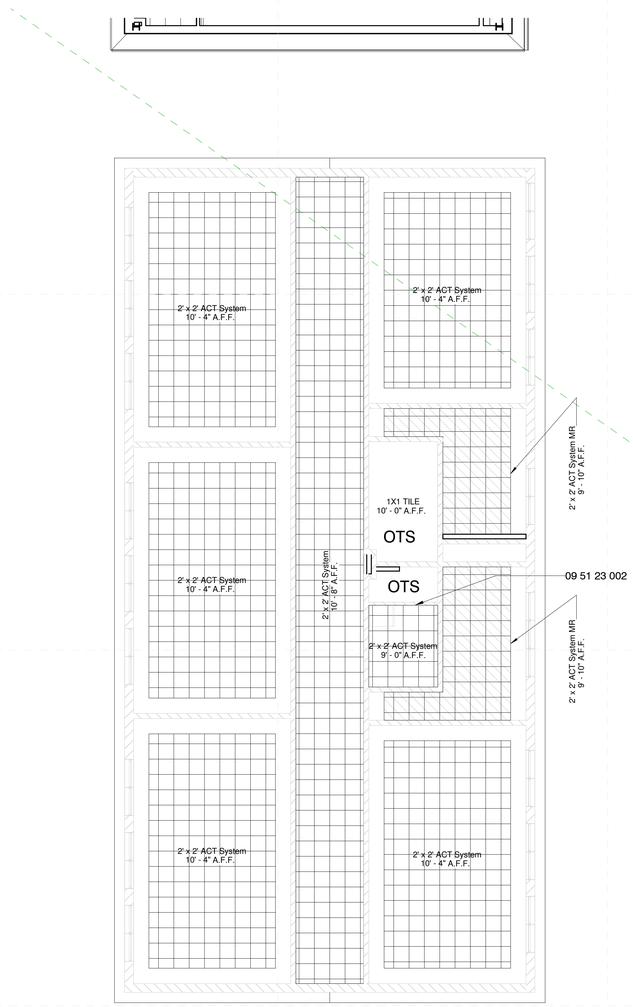
Sunflower Consolidated School District ESSER 2&3 Phase I
Lockard Elementary School: 302 College Ave., Indianola, MS 38751

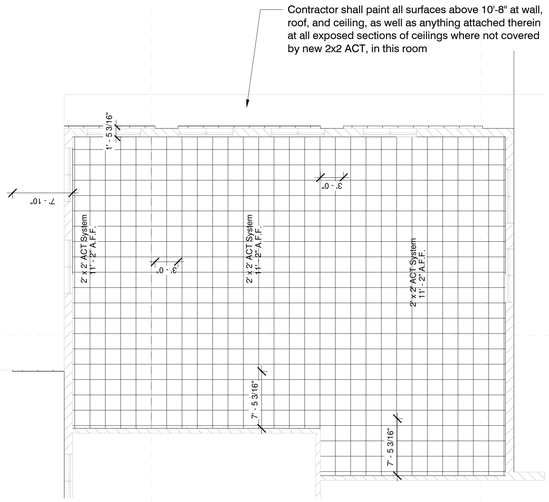
Construction Documents

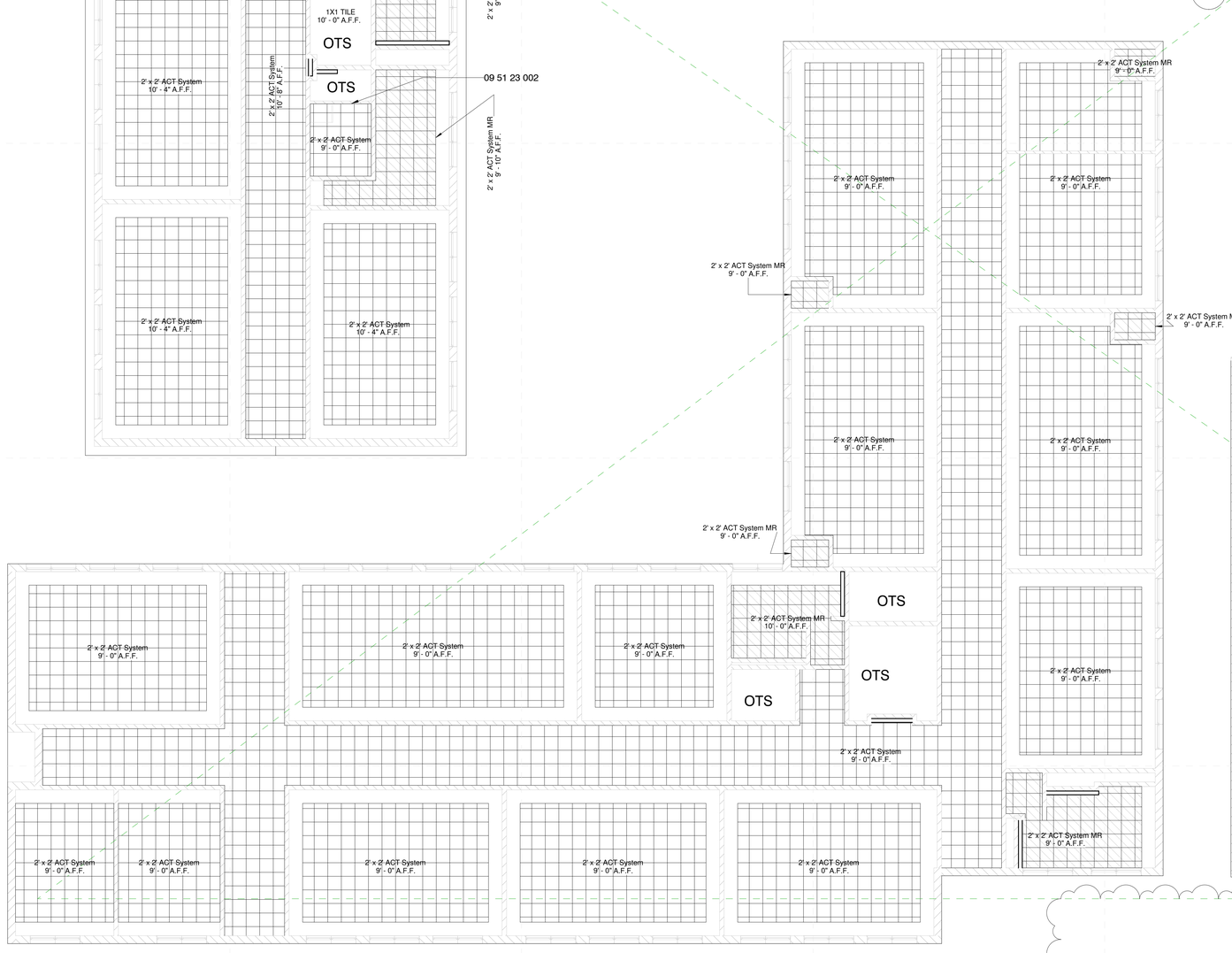
Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	6	10/27/22

A-141d

Composite RCP

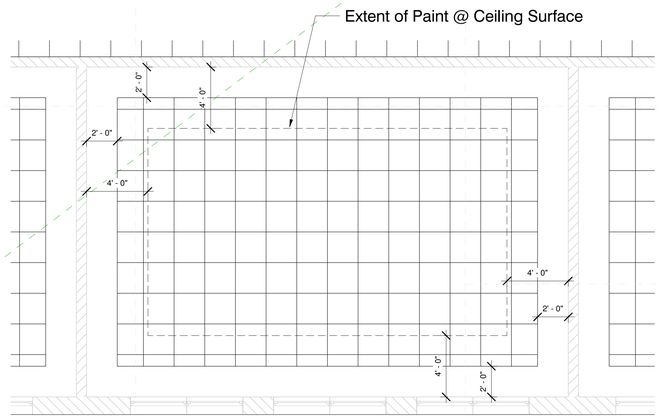






1 RCP - New Construction
1/8" = 1'-0"

3 RCP - Cafeteria - New Construction
1/8" = 1'-0"



2 Typical Ceiling Layout
1/4" = 1'-0"

General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if resused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 8'-8" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise.
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

Specific Notes

09 51 23 002	Install ATC as wall from ceiling level up to roof/floor deck

1 Delete sheet entirely

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AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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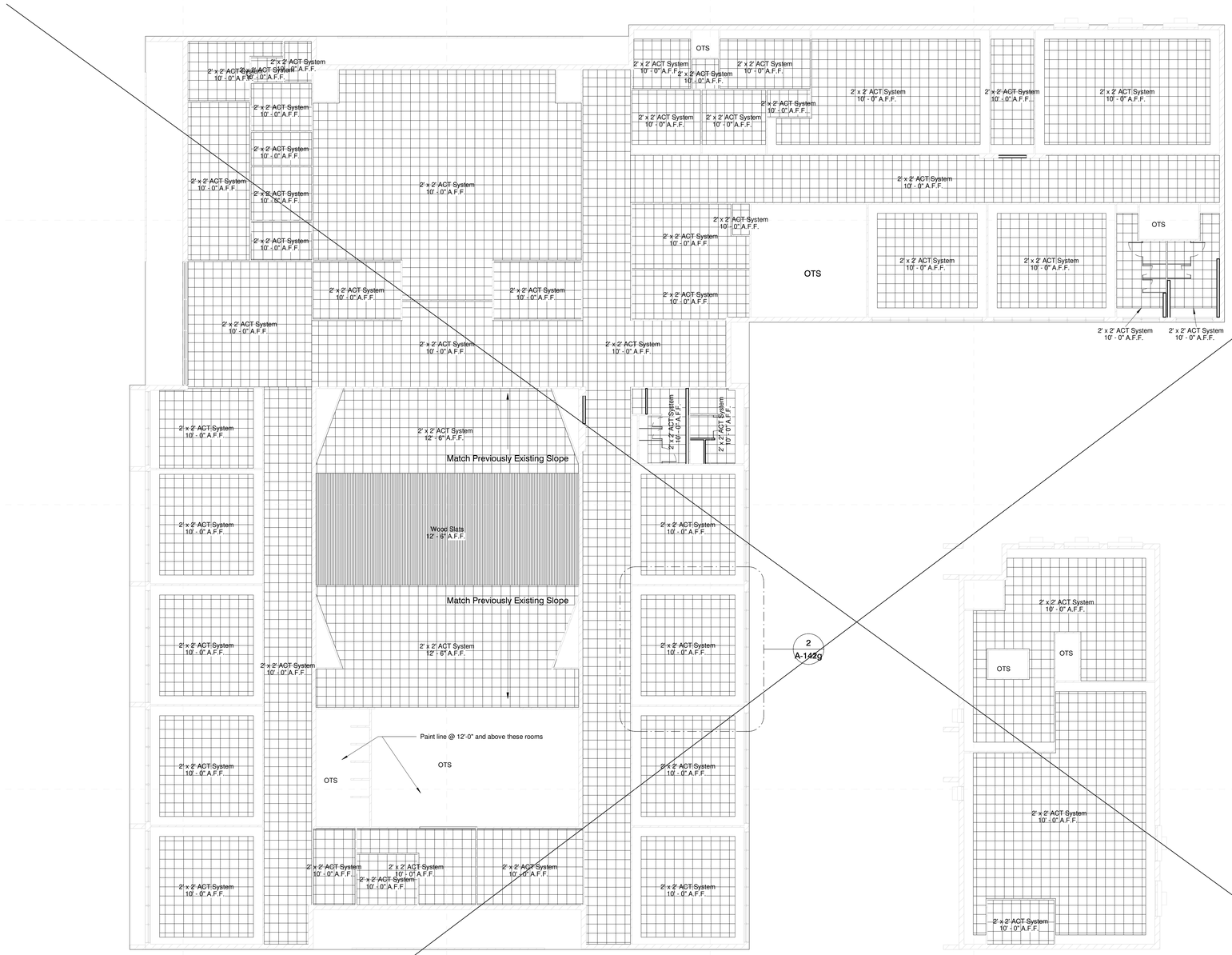
Sunflower Consolidated School District ESSER 2&3 Phase I
Ruleville Elementary School: 410 L F Packer Dr. Ruleville, MS 38771

Construction Documents

Project No	21027
Date	2/2/2022
Revision #	Date
Addendum 1	3/7/2022

A-141f
Composite RCP



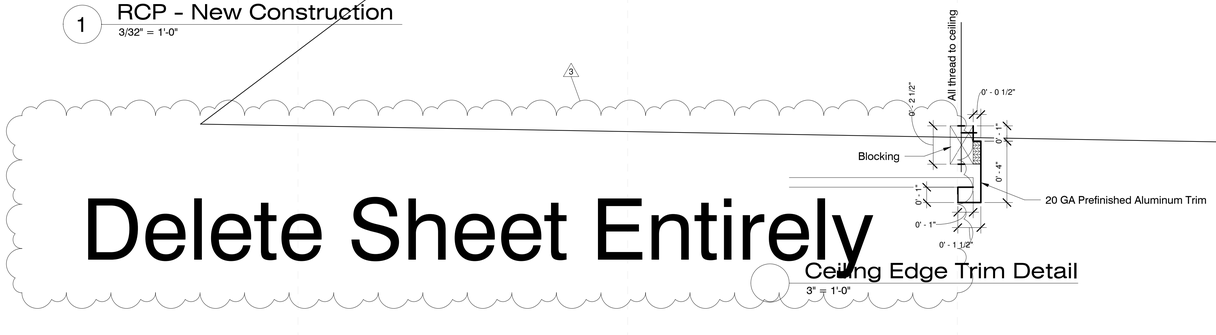
General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if resused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 10'-0" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.
6. ACT in auditorium to be reveal edged

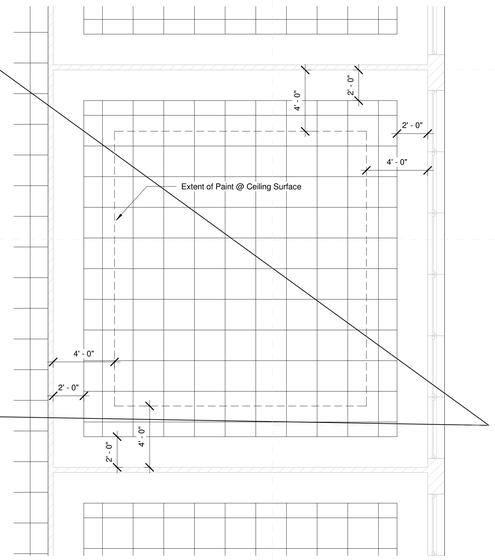
Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

1 RCP - New Construction
3/32" = 1'-0"



Ceiling Edge Trim Detail
3" = 1'-0"



2 Typical Ceiling Layout
1/4" = 1'-0"

Delete Sheet Entirely

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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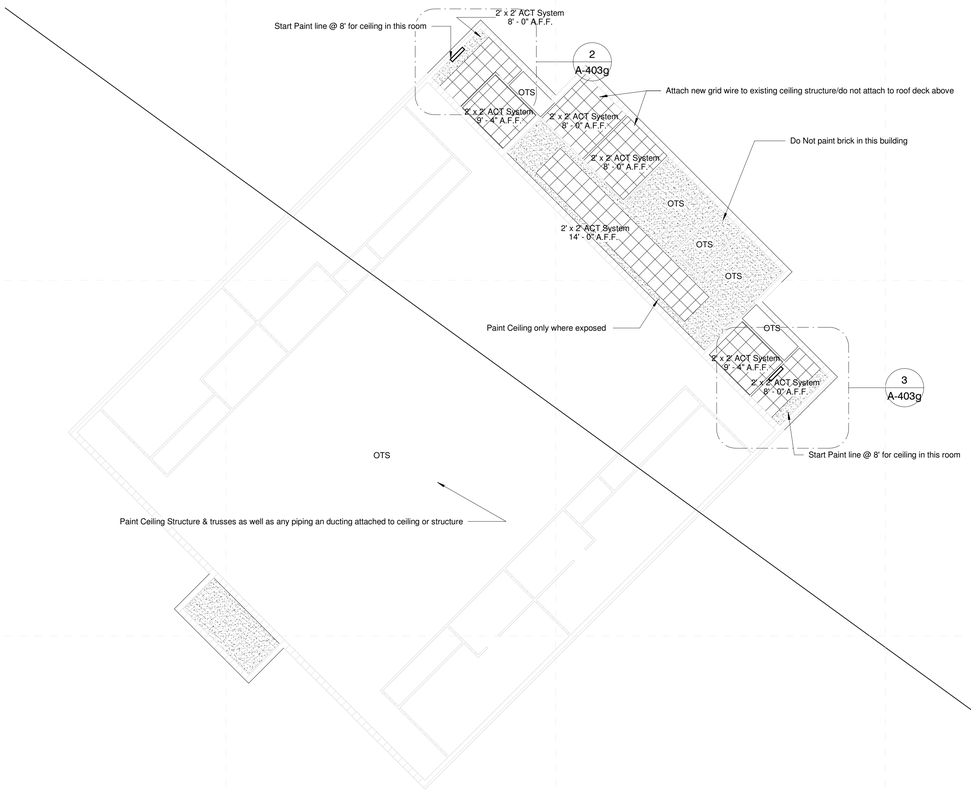
Sunflower Consolidated School District ESSER 2&3 Phase I
Ruleville Middle School: 250 Oscar St, Ruleville, MS 38771

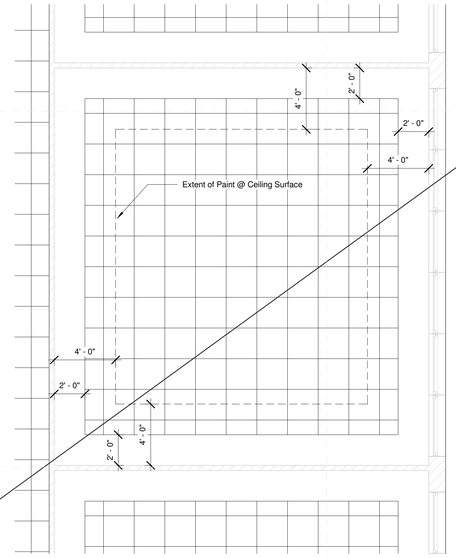
Construction Documents

Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	3	10/27/22

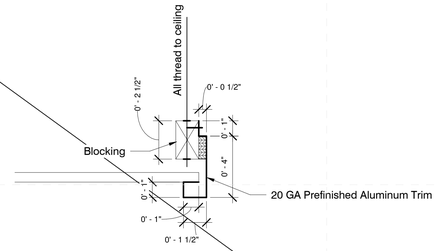
A-141g
Main School RCP



1 RCP - New Construction Gym/Cafe
3/32" = 1'-0"



2 Typical Ceiling
1/4" = 1'-0"



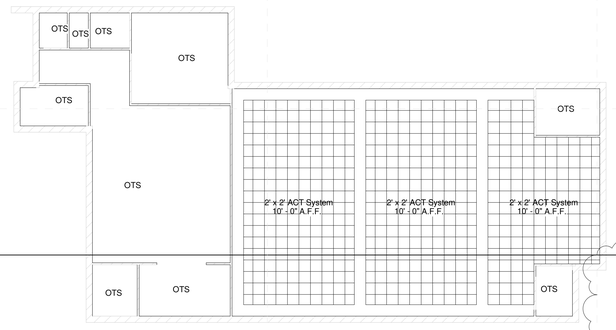
3 Ceiling Edge Trim Detail
3" = 1'-0"

General RCP Notes

1. Install new ceiling grid and tile throughout, unless noted otherwise. Ensure that existing hangers, if reused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.
2. All ceiling heights shall be same as existing or lower, unless noted otherwise.
3. Contractor shall paint all surfaces above 10'-0" at wall, roof, and ceiling, as well as anything attached therein at all exposed sections of ceilings where not covered by new 2x2 ACT, unless noted otherwise
4. Repair/replace any and all ceiling damaged due to construction activities.
5. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.
6. ACT in auditorium to be reveal edged

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)



Delete Sheet Entirely

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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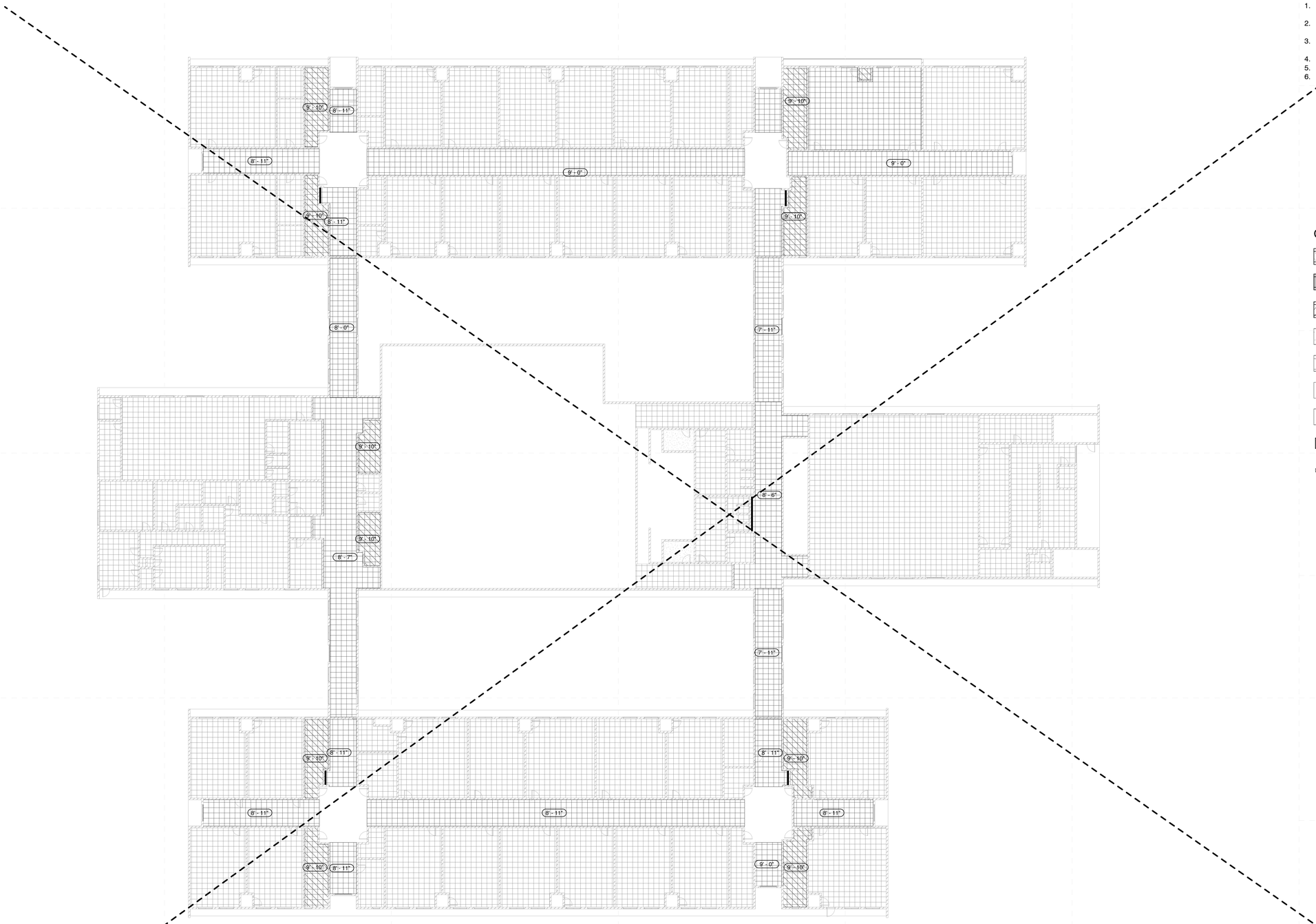
Sunflower Consolidated School District ESSER 2&3 Phase I
Ruleville Middle School: 250 Oscar St, Ruleville, MS 38771

Construction Documents

Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	3	10/27/22

A-142g
Gym/Cafe RCP



6 RCP - New Construction
1/16" = 1'-0"

General RCP Notes

1. All ceiling heights shall be same as existing or lower, unless noted otherwise.
2. Repair/replace any and all ceiling damaged due to construction activities.
3. Bent ceiling grid damaged due to construction activities shall be replaced or bent to appear as new in shape.
4. Install new Vinyl Ceiling Tile @ Renovated Toilet Rooms.
5. Install new 2x2 Layin Ceiling at all Corridors.
6. Ensure that existing hangers, if reused, are secured to substrate. Any failure of existing mounting system shall be repaired by contractor.

Ceiling Legend

- Moisture Resistant Acoustical Lay In Ceiling
- Colored Acoustical Lay In Ceiling
- Vinyl Faced Acoustical Lay In Ceiling
- Gypsum Board Ceiling
- 2x2 Acoustical Lay In Ceiling
- Plaster/Stucco
- Concealed Fastender Painted Metal Soffit
- 2x2 Fluorescent Fixture
- Surface-Mounted Fluorescent Light Fixture
- Recessed Can Light Fixture
- HVAC Supply Grille
- HVAC Return Grille
- Exterior Wall Light
- Interior Wall Light
- Open to Structure (OTS)

4

Delete sheet entirely

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I
Merritt Middle School: 705 Kinlock Rd, Indianola, MS 38751

Construction Documents

Project No		21027
Date		2/2/2022
Revision	#	Date
ASI 001	4	10/27/22

A-441e
RCP - New Construction

LEGEND - PLUMBING

MARK	DESCRIPTION
	EXISTING PIPING TO BE DEMOLISHED
SS	EXISTING SANITARY WASTE PIPING
W	EXISTING SITE WATER SERVICE PIPING
GSP	EXISTING GAS SERVICE PIPING
G	EXISTING LOW PRESSURE GAS PIPING
MPG	EXISTING MEDIUM PRESSURE GAS PIPING
PCW	EXISTING POTABLE COLD WATER PIPING
D	EXISTING CONDENSATE DRAIN PIPING
W	NEW SITE WATER SERVICE PIPING
MPG	NEW MEDIUM PRESSURE GAS PIPING
GSP	NEW GAS SERVICE PIPING (BY SERVING UTILITY)
G	NEW LOW PRESSURE GAS PIPING
	NEW SANITARY VENT PIPING
SS	NEW SANITARY WASTE PIPING
PCW	NEW POTABLE COLD WATER PIPING
PHW	NEW POTABLE HOT WATER PIPING (120°F)
D	NEW CONDENSATE DRAIN PIPING
TW	NEW TEMPERED WATER PIPING
	FULL PORT BALL VALVE (LEAD FREE)
	CIRCUIT SETTER TYPE MANUAL BALANCING VALVE
	GAS COCK
	UNION
OR	CHECK VALVE
	TYPICAL FINISHED GRADE CLEANOUT
	THERMOMETER WITH WELL
HB	HOSE BIBB
WCO	WALL CLEANOUT
	WATER HAMMER ARRESTOR
	POINT OF CONNECTION TO EXISTING
	TYPICAL NATURAL GAS REGULATOR AND/OR METER
	TYPICAL NEW DEEP SHUTOFF VALVE IN TELESCOPIC CAST IRON VALVE BOX WITH COVER LABELED "WATER"
FD	FLOOR DRAIN
HW	HOT WATER
CW	COLD WATER
W	WASTE
V	VENT
A/C	ABOVE CEILING
B/S	BELOW SLAB
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
I/W	IN WALL
DN.	DOWN
FFCO	FINISHED FLOOR CLEANOUT
FGCO	FINISHED GRADE CLEANOUT
VTR	VENT THRU ROOF
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
TP	TRAP PRIMER BELOW SLAB/FLOOR

LEGEND - HVAC

MARK	DESCRIPTION
	TYPICAL SUPPLY AIR DIFFUSER (ARROWS INDICATE AIR FLOW THROW DIRECTION)
	TYPICAL EXHAUST OR RETURN AIR REGISTER
	TYPICAL RECTANGULAR TO ROUND DUCT TRANSITION
	TYPICAL DUCTWORK INCREASER/REDUCER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER WITH VOLUME DAMPER
	TYPICAL ROUND DUCT BELLMOUTH TAKEOFF ADAPTER
	TYPICAL RECTANGULAR TO RECTANGULAR TAKEOFF ADAPTER WITH VOLUME DAMPER AND EXTRACTOR
	TYPICAL ADJUSTABLE LOCKING QUADRANT VOLUME DAMPER
	MOTORIZED DAMPER
S/A R/A E/A	WHEN PRINTED IN COLOR, SUPPLY DUCTWORK INDICATED BY BLUE COLOR, RETURN/TRANSFER DUCTWORK INDICATED BY RED COLOR AND EXHAUST DUCTWORK INDICATED BY GREEN COLOR. WHEN PRINTED IN GRAYSCALE, ALL DUCTWORK APPEARS THE SAME AND INDICATION OF DUCTWORK TYPE IS DETERMINED BY EQUIPMENT/GRILLES SERVED (SEE OTHER LEGENDS FOR MORE INFORMATION).
24"x14"	RECTANGULAR DUCT WITH SIZE LISTED. THE "x" DENOTES RECTANGULAR DUCT. (THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW). SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
24"/14"	SPIRAL OVAL DUCT WITH SIZE LISTED. THE "/" DENOTES SPRIAL OVAL DUCT. THE FIRST NUMBER INDICATES DUCT WIDTH PARALLEL TO VIEW WHILE THE SECOND NUMBER INDICATES DEPTH PERPENDICULAR TO VIEW. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS. UNLESS OTHERISE INDICATED ALL SPRIAL OVAL DUCT SHALL BE MEDIUM PRESSURE CONSTRUCION.
24"ø	DOUBLE WALL SPIRAL ROUND DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
18"ø	ROUND DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
18"ø	SOCK DUCT WITH SIZE LISTED. THE "ø" DENOTES ROUND DUCT. SEE PLANS AND SPECIFICATIONS FOR DUCT CONSTRUCTION REQUIREMENTS.
S/L	NEW REFRIGERANT SUCTION AND LIQUID PIPING
T	AUTOMATIC HEATING/COOLING CHANGEOVER PROGRAMMABLE THERMOSTAT MOUNTED AT 48" AFF BEHIND CLEAR "BERKO" LOCKING TAMPER RESISTANT COVER
MT	MANUFACTURER'S AUTOMATIC CHANGEOVER THERMOSTAT MOUNTED AT 48" AFF
H	HIGH HUMIDITY SENSOR MOUNTED AT 84" AFF BEHIND WHITE "KENALL" TAMPER PROOF COVER
S	DDC TEMPERATURE SENSOR MOUNTED AT 84" AFF
	TYPICAL AIR FOIL TURNING VANES
	POINT OF CONNECTION TO EXISTING
S/A	SUPPLY AIR
R/A	RETURN AIR
E/A	EXHAUST AIR
O/A	OUTSIDE AIR
S.D.	SPLITTER DAMPER
D.A.D.	DUCT ACCESS DOOR
B.D.	LOCKING QUADRANT BALANCING DAMPER
ISD	DUCT MOUNTED SMOKE DETECTOR

GENERAL PLUMBING NOTES:

1. PROVIDE ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. VERIFY WITH ARCHITECT AND DRAWINGS, WHICH PLUMBING INSTALLATIONS ARE DESIGNATED FOR ADA ACCESSIBILITY. ALL SUCH FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING/LIP HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL GOVERNING AUTHORITIES.
2. ALL PLUMBING VENTS, WHERE NOTED VENT UP (V. UP), SHALL BE COMBINED WITHIN WALL OR ABOVE CEILING CONCEALED AREAS, WHERE FEASIBLE, SO AS TO MINIMIZE ROOF PENETRATIONS. COORDINATE LOCATION OF ROOF PLUMBING AND FLUE VENTS SUCH THAT ALL VENTS ARE MINIMUM 15 FEET FROM ANY VENTILATION INTAKE DEVICES. 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 BY ARCHITECT.
3. ALL 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 ABOVE CEILINGS AS HIGH AS POSSIBLE AND COORDINATE WITH OTHER CRAFTS.
4. COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH STRUCTURAL MEMBERS, EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
5. VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH “PLUMBING FIXTURE ROUGH-IN SCHEDULE” FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES NOT CLEARLY SHOWN ON PLANS OR IN RISER DIAGRAMS, ETC. CONTACT PROFESSIONAL SHOULD QUESTIONS OR CONFLICTS ARISE. PROVIDE ROUGH-IN, FINAL CONNECTIONS AND INSTALLATION APPURTENANCES AS RECOMMENDED BY APPLIANCE AND/OR EQUIPMENT 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.
6. COORDINATE SLOPE OF ALL DRAINAGE AND VENT PIPING BELOW GRADE AT INVERT ELEVATIONS INDICATED. CONSISTENTLY SLOPE ALL OTHER PIPING, NOT INDICATED, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
7. ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 24" LONG.
8. ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER CRAFTS AND STRUCTURAL/ARCHITECTURAL DRAWINGS. CONSISTENTLY SLOPE ALL PIPING, NOT INDICATED WITH ELEVATIONS, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
9. WHEN SLEEVES, PIPES, CONDUITS, ETC. PENETRATE GRADE BEAMS OR TIE BEAMS, INCREASE THE DEPTH OF THE PENETRATED BEAM BY NO LESS THAN TWICE THE DIAMETER OF THE PENETRATION FOR A DISTANCE OF 4'-0" CENTERED ON THE PENETRATION. WHERE THE PENETRATION INTERRUPTS REINFORCING STEEL, AN EQUAL NUMBER OF LIKE SIZE REINFORCING BARS SHALL BE BENT UNDER THE PENETRATION AND LAP SPLICED 30 BAR DIAMETERS 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 EXTEND MIN. 6" PAST FOUNDATION ON BOTH ENDS. PROVIDE OAKUM AND SEALANT IN ANNULAR SPACE OF SLEEVES AND WATER PROOF ON ALL BUILDING PERIMETER AND INTERIOR FOOTING AND GRADE BEAM APPLICATIONS.
10. ALL CLEANOUTS IN SANITARY, STORM AND CONDENSATE DRAIN PIPING SHALL BE FULL PIPE SIZE UP TO 4" AND SHALL BE 4" SIZE ON 6" AND LARGER PIPING.

GENERAL HVAC NOTES:

1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT THE SPECIFIED HVAC SYSTEM BE PROVIDED COMPLETE WITH ALL NECESSARY EQUIPMENT, APPURTENANCES, AND CONTROLS AND COMPLETELY COORDINATED WITH ALL OTHER CRAFTS AND DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE IN STRICT CONFORMANCE. ANY ADDITIONAL MATERIALS AND/OR LABOR REQUIRED TO CONFORM WITH ALL APPLICABLE CODES, STANDARDS, AND THESE CONTRACT DOCUMENTS, SHALL BE PROVIDED COMPLETE AND WITHOUT ADDITIONAL COST TO THE CONTRACT.
2. THE LOCATION OF ALL AIR DISTRIBUTION DEVICES TO BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. COORDINATE LOCATION OF DUCTWORK IN ALL AREAS TO MATCH CEILING GRID/LIGHT FIXTURES WHILE MAXIMIZING CEILING HEIGHT SCHEDULED ON ARCHITECTURAL PLANS.
3. COORDINATE LOCATION OF ALL OUTDOOR AIR INTAKES FOR HVAC SYSTEMS AND MAINTAIN MINIMUM 15'-0" DISTANCE TO FLUES, VENTS, EXHAUST/FANS, ETC.
4. SIDEWALL AND DRYWALL CONSTRUCTION AIR DISTRIBUTION DEVICES MOUNTINGS IN SAME ROOM SHALL BE UNIFORM AND SYMMETRICAL AS APPROVED BY ARCHITECT.
5. WALL LOUVERS AND BRICK VENTS TO BE OF ALUMINUM CONSTRUCTION AND HAVE FACTORY COLORED FINISH. THE COLOR TO BE SELECTED BY THE ARCHITECT.
6. COORDINATE WEIGHTS OF HVAC EQUIPMENT, ETC. WITH ALL TRADES. PROVIDE ALL AUXILIARY SUPPORT STEEL TO SUPPORT ALL EQUIPMENT AND PROVIDE BLOCKING AND SUPPORT FOR SAME. INDICATE ALL SUCH PENETRATIONS AND WEIGHTS ON SHOP DRAWING SUBMITTALS. ALL SOFFIT, EXTERIOR WALL, AND ROOF EQUIPMENT AND LOUVERS SHALL INCLUDE AUXILIARY SUPPORT STEEL FRAMING AROUND PERIMETER OF ALL OPENINGS. PRIME AND PAINT ALL AUXILIARY STEEL MEMBERS UTILIZED EVERYWHERE IN THIS PROJECT.
7. DUCTWORK AND OTHER MECHANICAL OPENINGS THROUGH MASONRY WALLS SHALL BE REINFORCED/SUPPORTED AS DETAILED ON STRUCTURAL DRAWINGS. COORDINATE THE LOCATIONS AND SIZES OF THESE PENETRATIONS MAKING ALLOWANCES FOR INSULATION, FIRE DAMPERS, PIPING SLEEVES, ETC.
8. DUCTWORK EXPOSED OUTSIDE (TO WEATHER) SHALL BE COMPREHENSIVELY SEALED AIRTIGHT, INCLUDING ALL CONNECTIONS AND CIRCUMFERENTIAL AND LONGITUDINAL SEAMS, ETC. A RECOMMENDED SEALANT SYSTEM, SUCH AS HARDCAST DT-5300, SHALL BE APPLIED WITH FTO-20 FLEXIBLE ADHESIVE, OR EQUAL. DUCTWORK SHALL BE SUITABLY SUPPORTED WITH HEEL AND WALL GALVALUME/GALVANIZED AUXILIARY SUPPORTS. ENTIRE INSTALLATION SHALL BE NEAT, INCLUDING SEALANT. ALL DUCTWORK SHALL BE ATTACHED TO HVAC UNIT CONNECTIONS WITH WEATHERPROOF FLEXIBLE CONNECTIONS. DUCTWORK AND AUXILIARY SUPPORTS SHALL BE NEATLY PRIMED AND PAINTED.

GENERAL SITE NOTES:

1. PROVIDE ALL WATER, SANITARY SEWER, AND NATURAL GAS PIPING SITE UTILITIES AS INDICATED AND SPECIFIED. COORDINATE WITH SERVING UTILITIES TO PROVIDE ALL TAPS AND CONNECTIONS. COORDINATE WITH SERVING UTILITY AUTHORITIES SUCH THAT THE CAPACITY REQUIRED OF THE NEW ADDITIONS OR MODIFICATIONS TO EXISTING CAN BE SUITABLY PROVIDED. ALL FEES, PERMITS, ETC. SHALL BE INCLUDED.
2. COORDINATE INSTALLATION OF ALL UTILITIES WITH ENGINEER SUCH THAT BEDDING OF ALL PIPING CAN BE VERIFIED AND ALL PIPING TESTS CAN BE WITNESSED PRIOR TO BACKFILLING. PROVIDE PRIOR ADVANCE NOTICE AS PER SPECIFICATIONS.
3. ALL NEW GAS AND WATER PIPING SHALL HAVE A MINIMUM OF THREE (3) FEET GROUND COVER. DRAINAGE PIPING SHALL HAVE A MINIMUM OF EIGHTEEN (18) INCHES GROUND COVER AS INDICATED ON DRAWINGS.
4. THE ROUTING OF ALL UNDERGROUND PIPING SHALL BE OPTIMIZED TO MINIMIZE INTERACTION WITH LOCATION OF SHRUBBERY AND TREES, ETC. TEMPORARILY REMOVE AND THEN REINSTALL SHRUBBERY AND VERY SMALL TREES TO AVOID DAMAGE. THE ROUTING OF THE NEW PIPING SHALL BE OPTIMIZED, WHERE POSSIBLE, TO AVOID ROUTING WITHIN THE DRIP LINE OF THE TREES SHOWN TO REMAIN.
5. COORDINATE SANITARY SEWER PIPING ROUTING WITH ARCHITECTURAL/CIVIL DRAINAGE PLANS WHERE SEWER AND STORM DRAINAGE PIPING INTERACT. VERIFY THAT SANITARY SEWER AND STORM DRAINAGE PIPING ELEVATIONS DO NOT CONFLICT. ANY DISCREPANCIES SHALL BE RELAYED TO PROFESSIONAL PROMPTLY.

GENERAL HVAC DEMOLITION NOTES:

1. WHERE HVAC EQUIPMENT IS NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED DUCTWORK, DIFFUSERS, CONTROLS, WIRING, HANGERS, ACCESSORIES, ETC. UNLESS NOTED OTHERWISE.
2. WHERE HVAC EQUIPMENT IS NOTED HEREIN TO BE REPLACED WITH NEW, EXISTING ASSOCIATED DUCTWORK, DIFFUSERS, HANGERS, ACCESSORIES, ETC. SHALL REMAIN.
3. WHERE DIRECTED TO CAP SERVICES AS NOTED HEREIN, CAP ALL PIPING ASSOCIATED WITH DEMOLISHED FIXTURE IN WALL, ABOVE CEILING OR BELOW FLOOR AS REQUIRED FOR FINISHED APPEARANCE. DISCONNECT AND REMOVE ALL PIPING NOT UTILIZED IN NEW SCOPE OF WORK.
4. PATCH AND REPAIR ALL AREAS AFFECTED TO MATCH ADJACENT OR AS DIRECTED/APPROVED BY ARCHITECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, WALL REPAIR, CONCRETE REPAIR, PAINTING, ETC. COORDINATE FINISHES WITH ARCHITECTURAL DRAWINGS.
5. ALL REMOVED HVAC EQUIPMENT SHALL BE OFFERED TO OWNER. THOSE NOT ACCEPTED BY OWNER SHALL BE DISPOSED OF OFF SITE PER LOCAL CODES AND ORDINANCES. ALL OTHER DEMOLISHED MECHANICALLY RELATED MATERIALS SHALL BE DISPOSED OF SIMILARLY.

GENERAL PLUMBING DEMOLITION NOTES:

1. WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED PIPING, ACCESSORIES, TRIM, HANGERS, ETC. UNLESS NOTED OTHERWISE.
2. WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE REPLACED, EXISTING ASSOCIATED PIPING, ACCESSORIES, ETC. SHALL REMAIN.
3. WHERE DIRECTED TO CAP SERVICES AS NOTED HEREIN, CAP ALL PIPING ASSOCIATED WITH DEMOLISHED FIXTURE IN WALL, ABOVE CEILING OR BELOW FLOOR AS REQUIRED FOR FINISHED APPEARANCE. DISCONNECT AND REMOVE ALL PIPING NOT UTILIZED IN NEW SCOPE OF WORK.
4. PATCH AND REPAIR ALL AREAS AFFECTED TO MATCH ADJACENT OR AS DIRECTED/APPROVED BY ARCHITECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, WALL REPAIR, CONCRETE REPAIR, PAINTING, ETC. COORDINATE FINISHES WITH ARCHITECTURAL DRAWINGS.
5. ALL REMOVED PLUMBING EQUIPMENT AND FIXTURES SHALL BE OFFERED TO OWNER. THOSE NOT ACCEPTED BY OWNER SHALL BE DISPOSED OF OFF SITE PER LOCAL CODES AND ORDINANCES. ALL OTHER DEMOLISHED MECHANICALLY RELATED MATERIALS SHALL BE DISPOSED OF SIMILARLY.
6. PIPING LOCATED IN WALLS TO REMAIN, OR BELOW SLAB/FLOOR, THAT DOES NOT CONFLICT WITH NEW WORK, MAY REMAIN AND BE CAPPED FOR CONCEALMENT AND DISCONNECTED FROM ACTIVE SERVICE, ETC.
7. PROVIDE ANY TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN PLUMBING SERVICES TO NEW AND EXISTING FIXTURES AND INSTALLATIONS BEING UTILIZED OUTSIDE THE AREA BEING RENOVATED.

GENERAL PLUMBING RENOVATION NOTES:

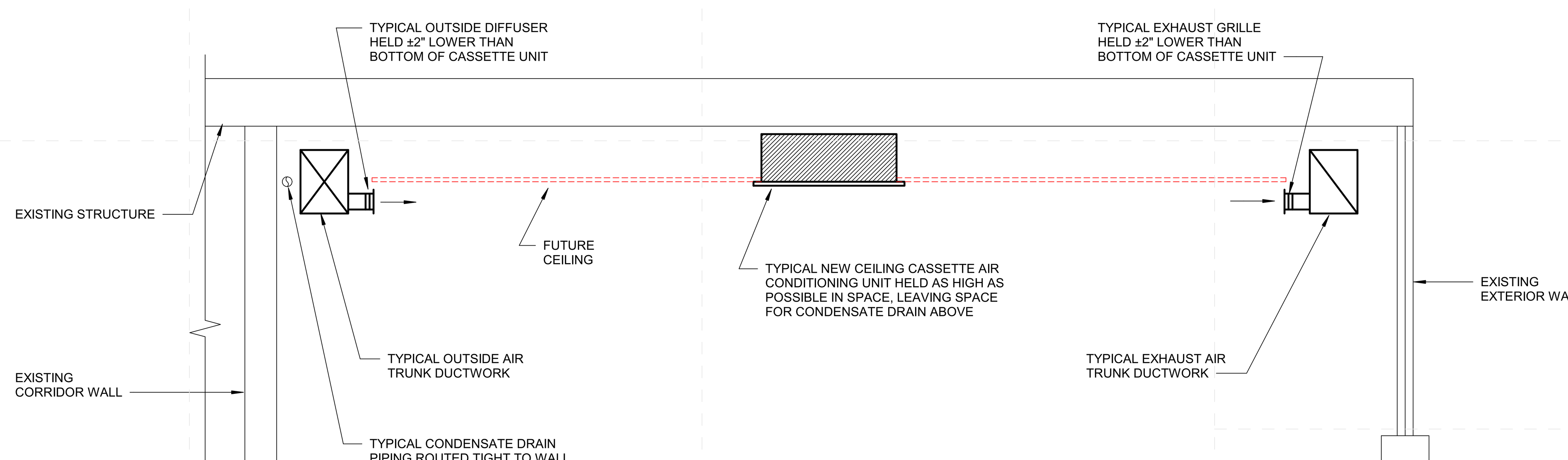
1. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING ROUGH-IN LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL NEW AND EXISTING PLUMBING UTILITIES WITHIN THE SCOPE OF WORK. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND SCHOOL MAINTENANCE PERSONNEL SHOULD BE UTILIZED IN LOCATING PIPING INSIDE THE BUILDING WHERE CONNECTIONS TO EXISTING ARE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESEARCH LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS.
3. IN ALL AREAS OF RENOVATION, UNLESS OTHERWISE INDICATED, EXISTING PLUMBING SERVICES SHALL BE MODIFIED AND EXTENDED IN CHASES, WALLS, BELOW SLAB/FLOOR AND/OR ABOVE CEILING AS REQUIRED TO CONNECT TO NEW PLUMBING FIXTURES AND/OR RECONNECT EXISTING PLUMBING FIXTURES WHERE INDICATED.
4. UNLESS OTHERWISE INDICATED, IN MULTI-FIXTURE PLUMBING BATTERIES, OPEN WALL, CONNECT TO AND MODIFY EXISTING NEARBY DOMESTIC WATER PIPING AND PROVIDE NEW FULL-SIZE WATER SERVICE PIPING HEADER IN CHASE OR ABOVE CEILING, ETC. WITH BRANCH PIPING CONNECTIONS TO INDIVIDUAL FIXTURES AS INDICATED ON PLUMBING FIXTURE ROUGH-IN SCHEDULE. PROVIDE NEW WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
5. OPEN WALLS AND MODIFY EXISTING WATER PIPING AS NEW ADA WATER CLOSET INSTALLATIONS WHERE REQUIRED FOR NEW ADA COMPLIANT FLUSH VALVE INSTALLATION. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
6. UNLESS OTHERWISE INDICATED, ALL NEW WALL MOUNTED FIXTURE (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) SHALL BE PROVIDED WITH NEW FLOOR MOUNTED FIXTURE CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
7. UNLESS OTHERWISE INDICATED, CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF, REUTILIZING EXISTING ROOF PENETRATION. FIELD VERIFY LOCATION AND PROVIDE NEW FLASHING, COLLAR, ETC. AS REQUIRED.

CODE REVIEW

DESIGN CODE	2012 INTERNATIONAL CODE COUNCIL (ICC)

DRAWING INDEX - MECHANICAL

Sheet Number	Sheet Name
M-000	General Mechanical Information
M-001a	AW James Elementary - Overall Mechanical Plan
M-002a	AW James Elementary - Mechanical Roof Plan
M-101a	AW James Elementary - Partial Mechanical Plans
M-102a	AW James Elementary - Partial Mechanical Plans
M-201a	AW James Elementary - Partial Plumbing Plans
M-202a	AW James Elementary - Partial Plumbing Plans
M-301a	AW James Elementary - Enlarged Plumbing Plans
MD001a	AW James Elementary - Overall Mechanical Demolition Plan
M-004b	Carver Elementary - Overall Plumbing Plan
M-201b	Carver Elementary - Enlarged Plumbing Plans
M-202b	Carver Elementary - Enlarged Plumbing Plans
M-203b	Carver Elementary - Enlarged Plumbing Plans
M-204b	Carver Elementary - Enlarged Plumbing Plans
M-001c	Drew Hunter Middle - Overall Mechanical Plan
M-002c	Drew Hunter Middle - Mechanical Roof Plan
M-101c	Drew Hunter - Partial Mechanical Plans
M-102c	Drew Hunter - Partial Mechanical Plans
M-201c	Drew Hunter Middle - Partial Plumbing Plans
M-202c	Drew Hunter Middle - Partial Plumbing Plans
M-301c	Drew Hunter Middle - Enlarged Plumbing Plans
M-302c	Drew Hunter Middle - Enlarged Plumbing Plans
MD001c	Drew Hunter Middle - Overall Mechanical Demolition Plan
M-001d	Lockard Elementary - Overall Mechanical Plan
M-002d	Lockard Elementary - Mechanical Roof Plan
M-101d	Lockard Elementary - Partial Mechanical Plans
M-102d	Lockard Elementary - Partial Mechanical Plans
M-201d	Lockard Elementary - Partial Plumbing Plans
M-202d	Lockard Elementary - Partial Plumbing Plans
M-301d	Lockard Elementary - Enlarged Plumbing Plans
M-302d	Lockard Elementary - Enlarged Plumbing Plans
MD001d	Lockard Elementary - Overall Mechanical Demolition Plan
M-002e	Merritt Middle - Overall Plumbing Plan
M-101e	Merritt Middle - Enlarged Plumbing Plans
M-102e	Merritt Middle - Enlarged Plumbing Plans
M-001f	Ruleville Elementary - Overall Mechanical Plan
M-002f	Ruleville Elementary - Mechanical Roof Plan
M-101f	Ruleville Elementary - Partial Mechanical Plans
M-102f	Ruleville Elementary - Partial Mechanical Plans
M-201f	Ruleville Elementary - Partial Plumbing Plan
M-202f	Ruleville Elementary - Partial Plumbing Plan
M-301f	Ruleville Elementary - Enlarged Plumbing Plans
MD001f	Ruleville Elementary - Overall Mechanical Demolition Plan
M-001g	Ruleville Middle - Overall Mechanical Plan
M-002g	Ruleville Middle - Mechanical Roof Plan
M-101g	Ruleville Middle - Partial Mechanical Plans
M-102g	Ruleville Middle - Partial Mechanical Plans
M-201g	Ruleville Middle - Partial Plumbing Plans
M-202g	Ruleville Middle - Partial Plumbing Plans
M-301g	Ruleville Middle - Enlarged Plumbing Plans
MD001g	Ruleville Middle - Overall Mechanical Demolition Plan
MD002g	Ruleville Middle - Overall Mechanical Demolition Plan
M-401	Mechanical Schedules
M-402	Mechanical Schedules
M-403	Mechanical Schedules
M-404	Mechanical Schedules
M-405	Mechanical Schedules
M-406	Mechanical Schedules
M-407	Mechanical Schedules
M-408	Mechanical Schedules
M-501	Mechanical Details
M-502	Mechanical Details
M-503	Mechanical Details
M-504	Mechanical Details



Typical Section thru Classroom

N.T.S.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

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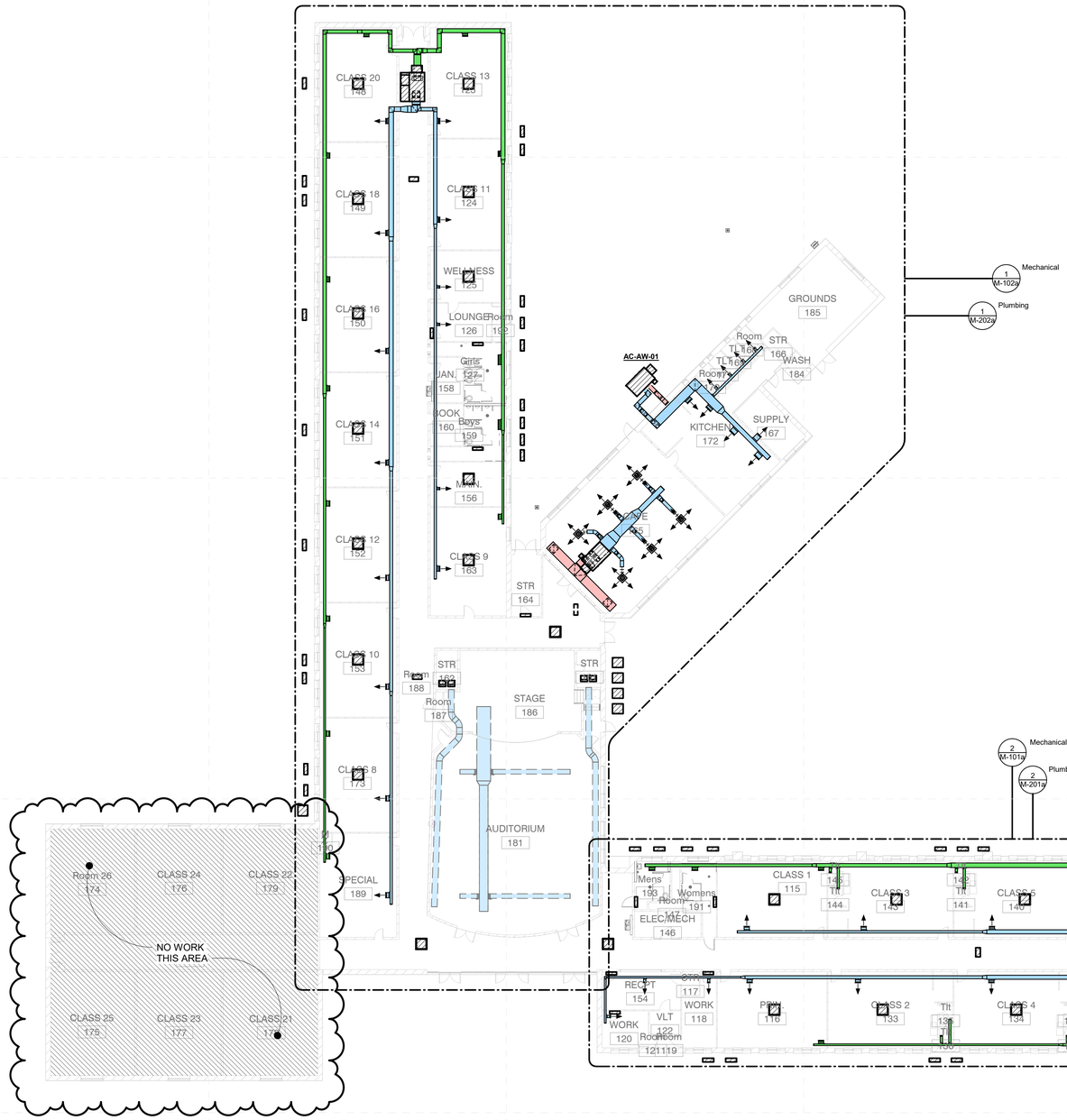
GSK#: 110-077

M-000

General Mechanical Information



AW James Elementary - Overall Mechanical Plan

1 M-001a 1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM GSK PROFESSIONAL ENGINEER 15555 2/2/22 STATE OF MISSISSIPPI

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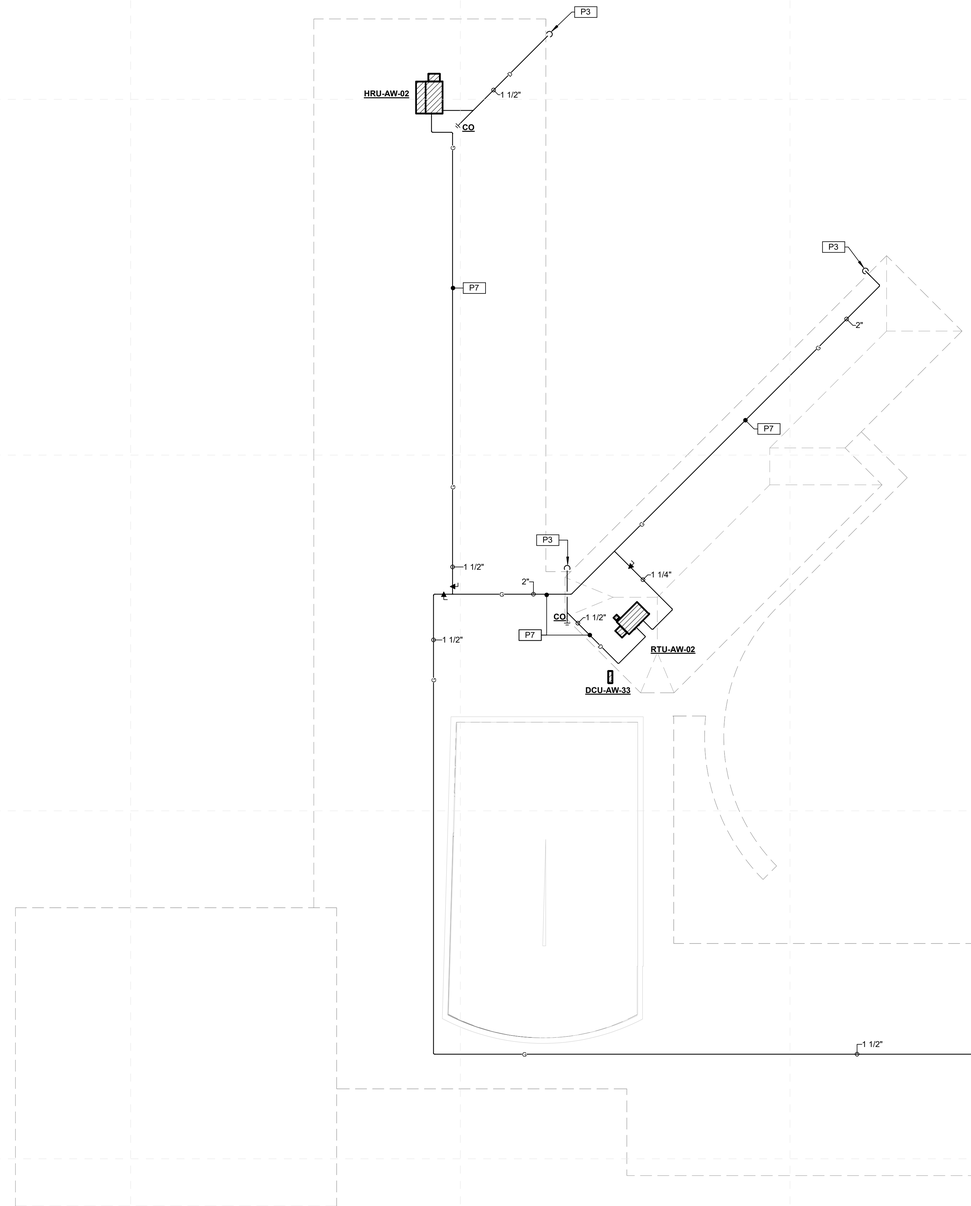
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#:110-077

M-001a

AW James Elementary - Overall Mechanical Plan

SPECIFIC PLUMBING NOTES	
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P7	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.



1 M-002a **AW James Elementary - Mechanical Roof Plan**
1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM [illegible]
PROFESSIONAL ENGINEER
15555
2/2/22
STATE OF MISSISSIPPI

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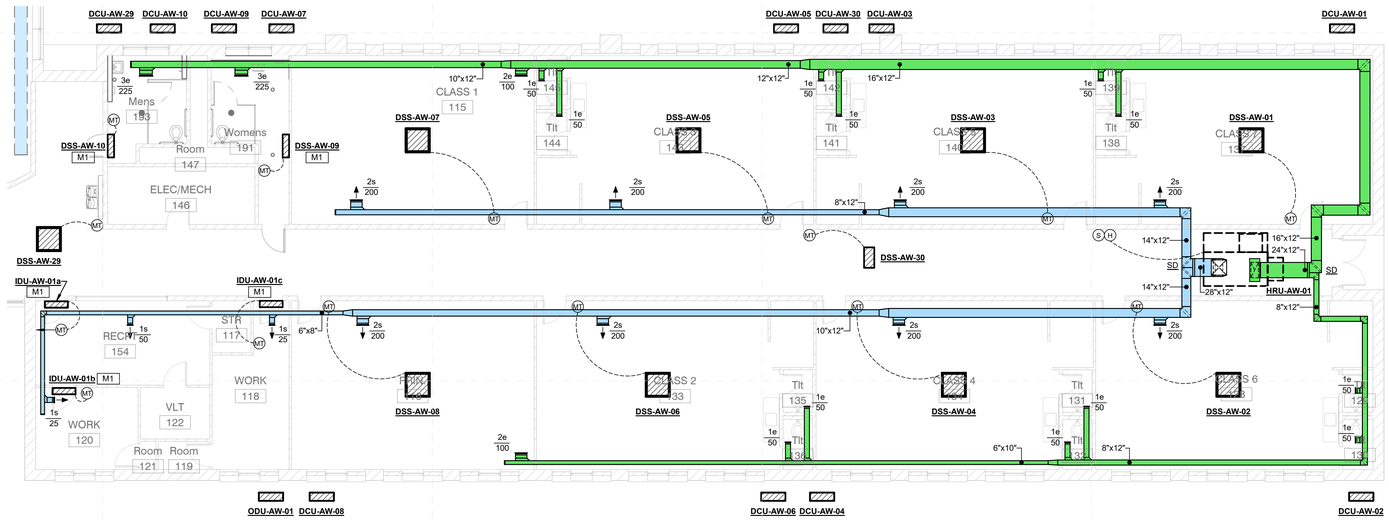
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.405.3111
www.gskmech.com
GSK#: 110-077

M-002a
AW James Elementary - Mechanical Roof Plan

SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.



2 AW James Elementary - Partial Mechanical Plan (2)
M-101a 1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

Sunflower Consolidated School District ESSER 2&3 Phase I

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1	Date 1

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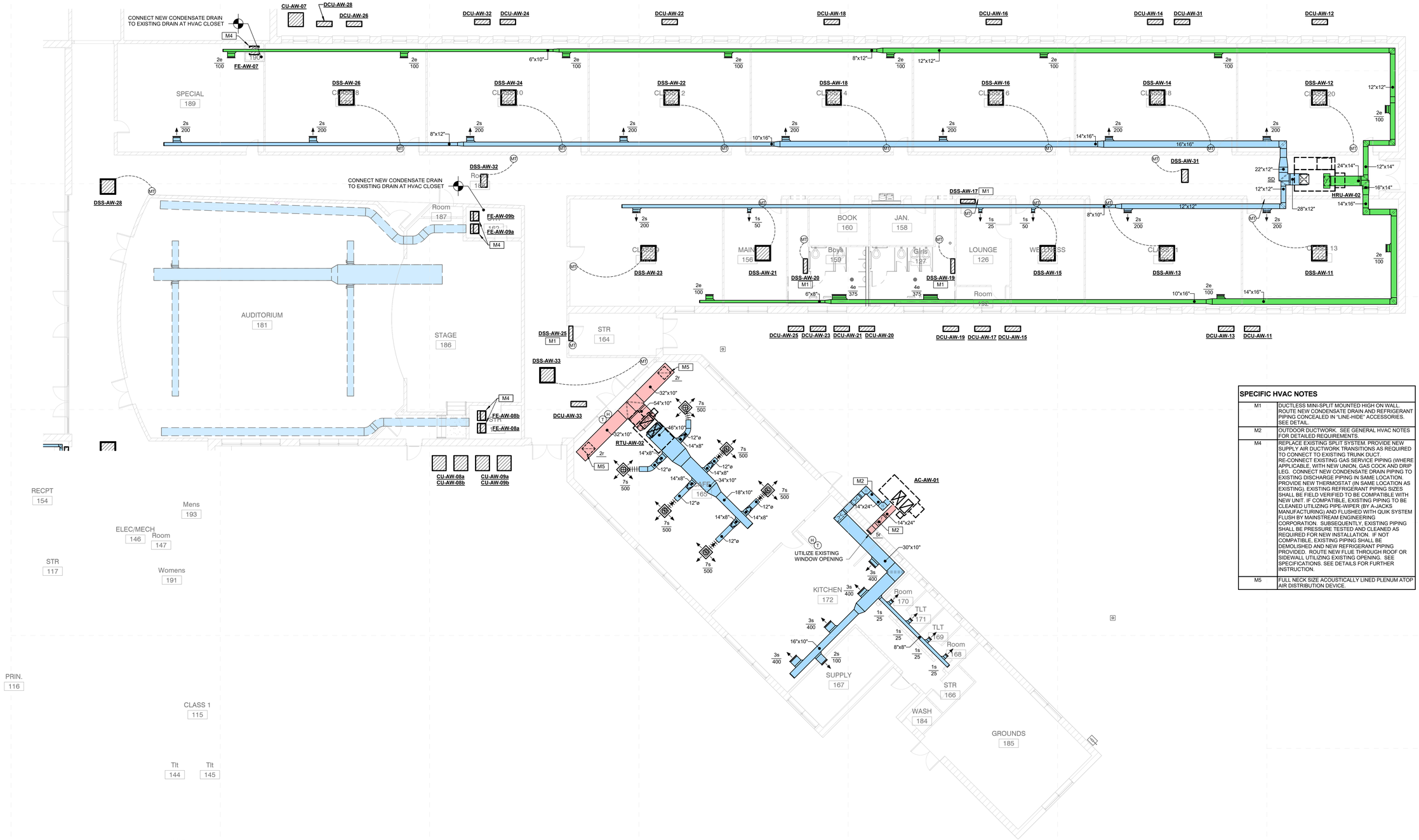
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.403.3111
www.gskmech.com
GSK#: 110-077

M-101a

AW James Elementary - Partial Mechanical Plans



SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.
M2	OUTDOOR DUCTWORK. SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M4	REPLACE EXISTING SPLIT SYSTEM. PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RE-CONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M5	FULL NECK SIZE ACOUSTICALLY LINED PLENUM ATOP AIR DISTRIBUTION DEVICE.

AW James Elementary - Partial Mechanical Plan (3)

1 M-102a — 1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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KEVIN WILLIAM GSK — REGISTERED PROFESSIONAL ENGINEER — 15555 — STATE OF MISSOURI — 2/1/22

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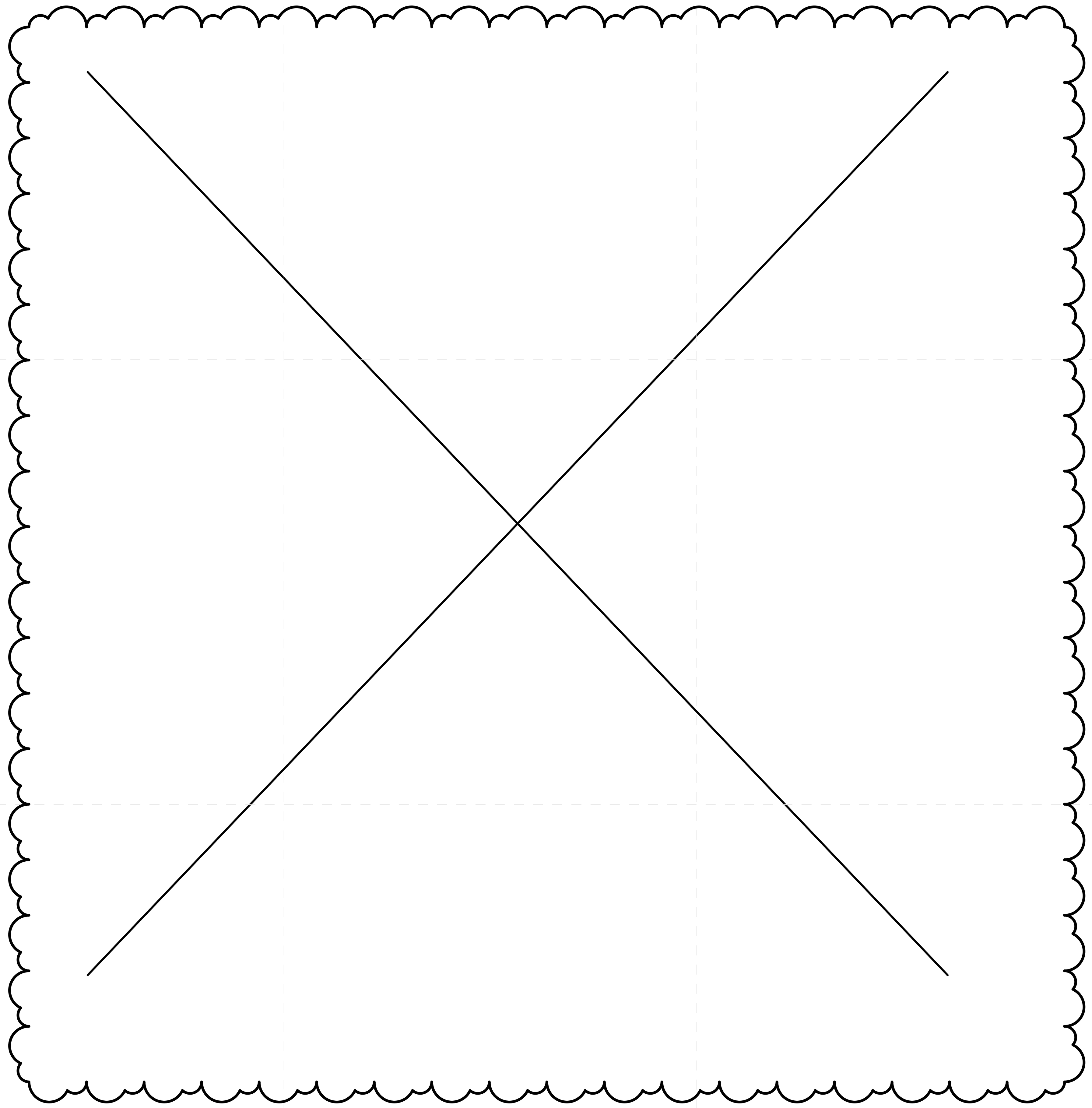
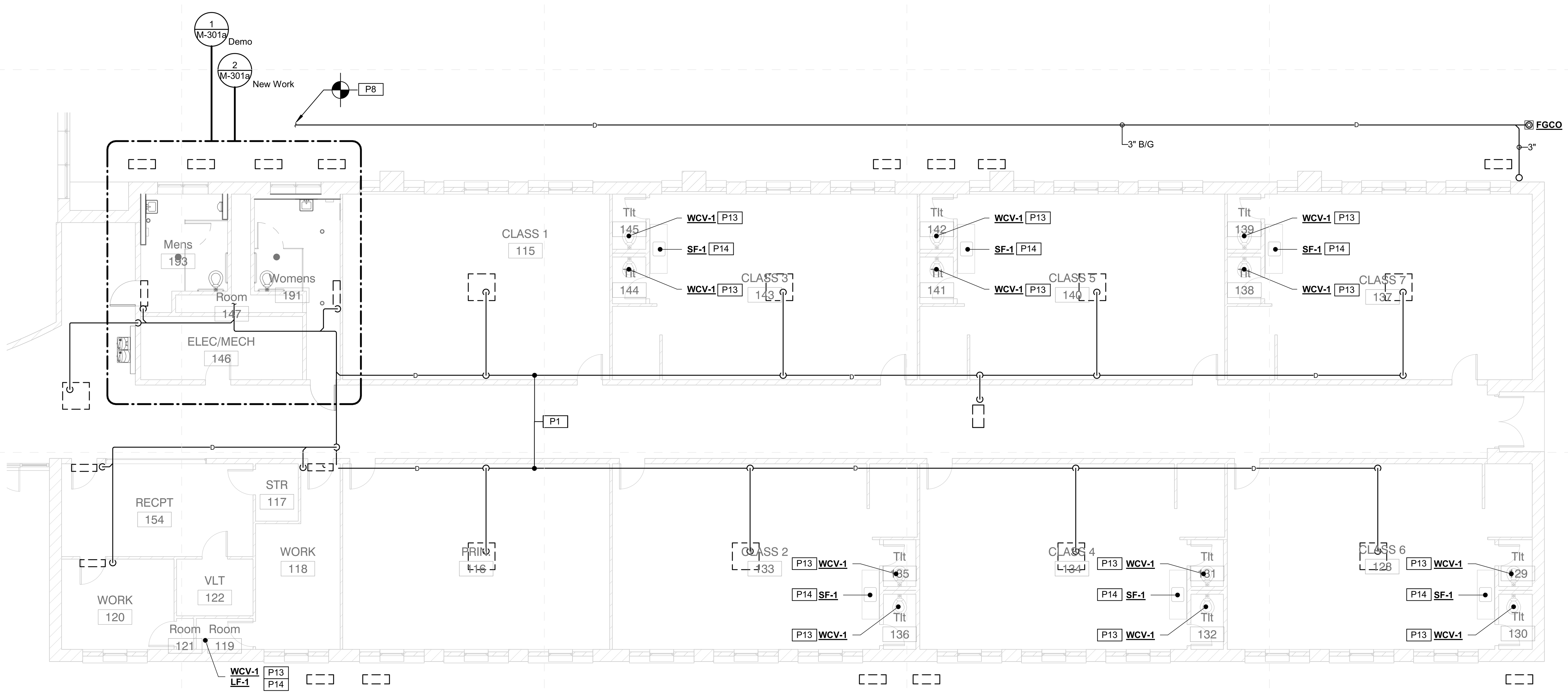
M-102a

AW James Elementary - Partial Mechanical Plans





AW James Elementary - Partial Plumbing Plan (2)

2 M-201a 1/8" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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Revisions	Rev Date
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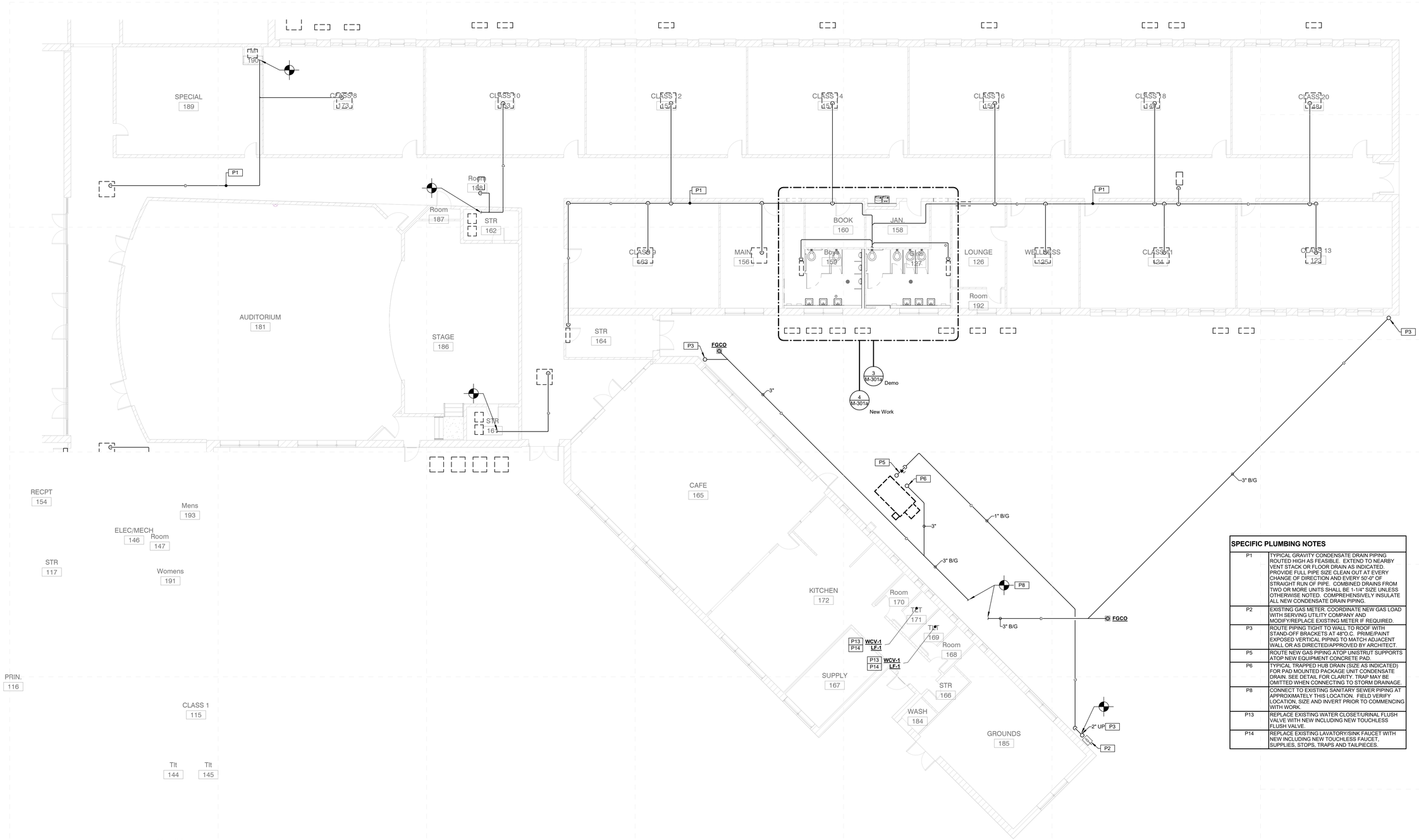
M-201a

AW James Elementary - Partial Plumbing Plans



SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P2	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P5	ROUTE NEW GAS PIPING ATOP UNISTRUT SUPPORTS ATOP NEW EQUIPMENT CONCRETE PAD.
P6	TYPICAL TRAPPED HUB DRAIN (SIZE AS INDICATED) FOR PAD MOUNTED PACKAGE UNIT CONDENSATE DRAIN. SEE DETAIL FOR CLARITY. TRAP MAY BE OMITTED WHEN CONNECTING TO STORM DRAINAGE.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

AW James Elementary - Partial Plumbing Plan (3)

1 M-202a 1/8" = 1'-0"

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AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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p 601.790.9432

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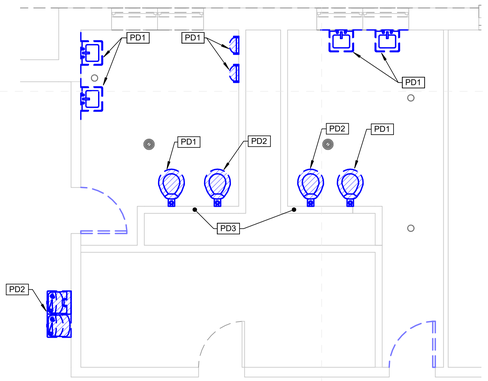
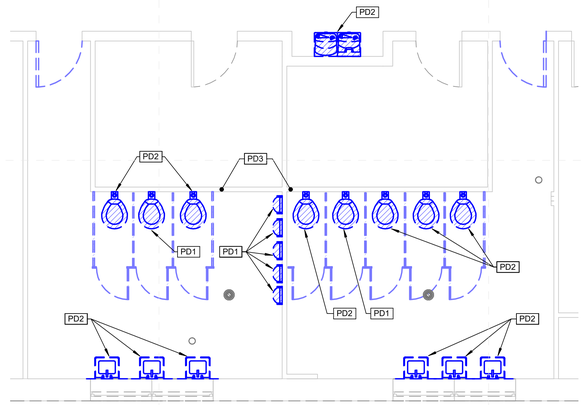
M-202a

AW James Elementary - Partial Plumbing Plans



AW James Elementary - Enlarged Plumbing Demo Plan (1)

1 M-301a 1/4" = 1'-0"



AW James Elementary - Enlarged Plumbing Demo Plan (2)

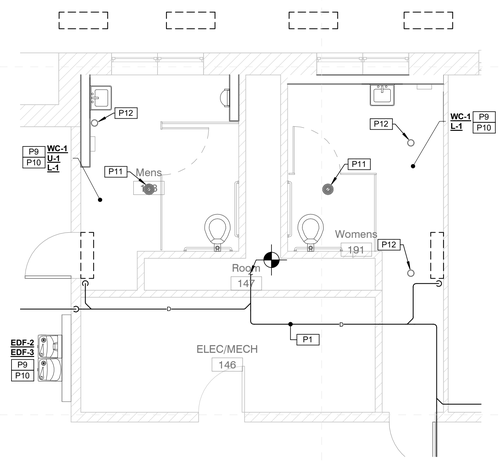
3 M-301a 1/4" = 1'-0"

SPECIFIC PLUMBING DEMOLITION NOTES

PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.

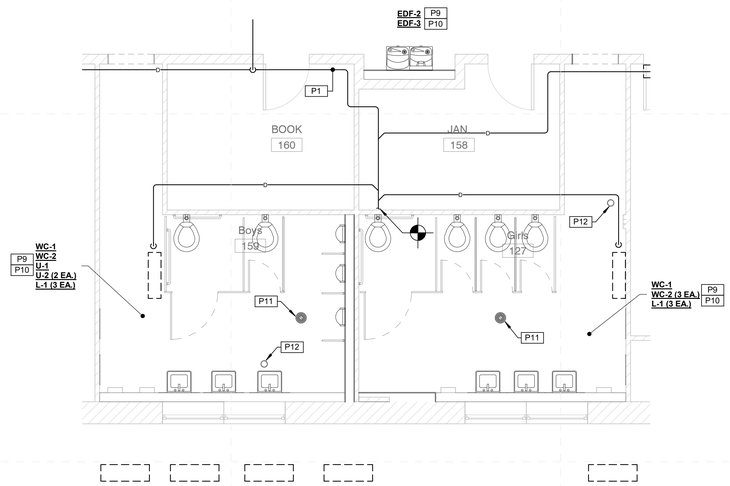
GENERAL PLUMBING NOTE:

SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.



AW James Elementary - Enlarged Plumbing New Work Plan (1)

2 M-301a 1/4" = 1'-0"



AW James Elementary - Enlarged Plumbing New Work Plan (2)

4 M-301a 1/4" = 1'-0"

SPECIFIC PLUMBING NOTES

P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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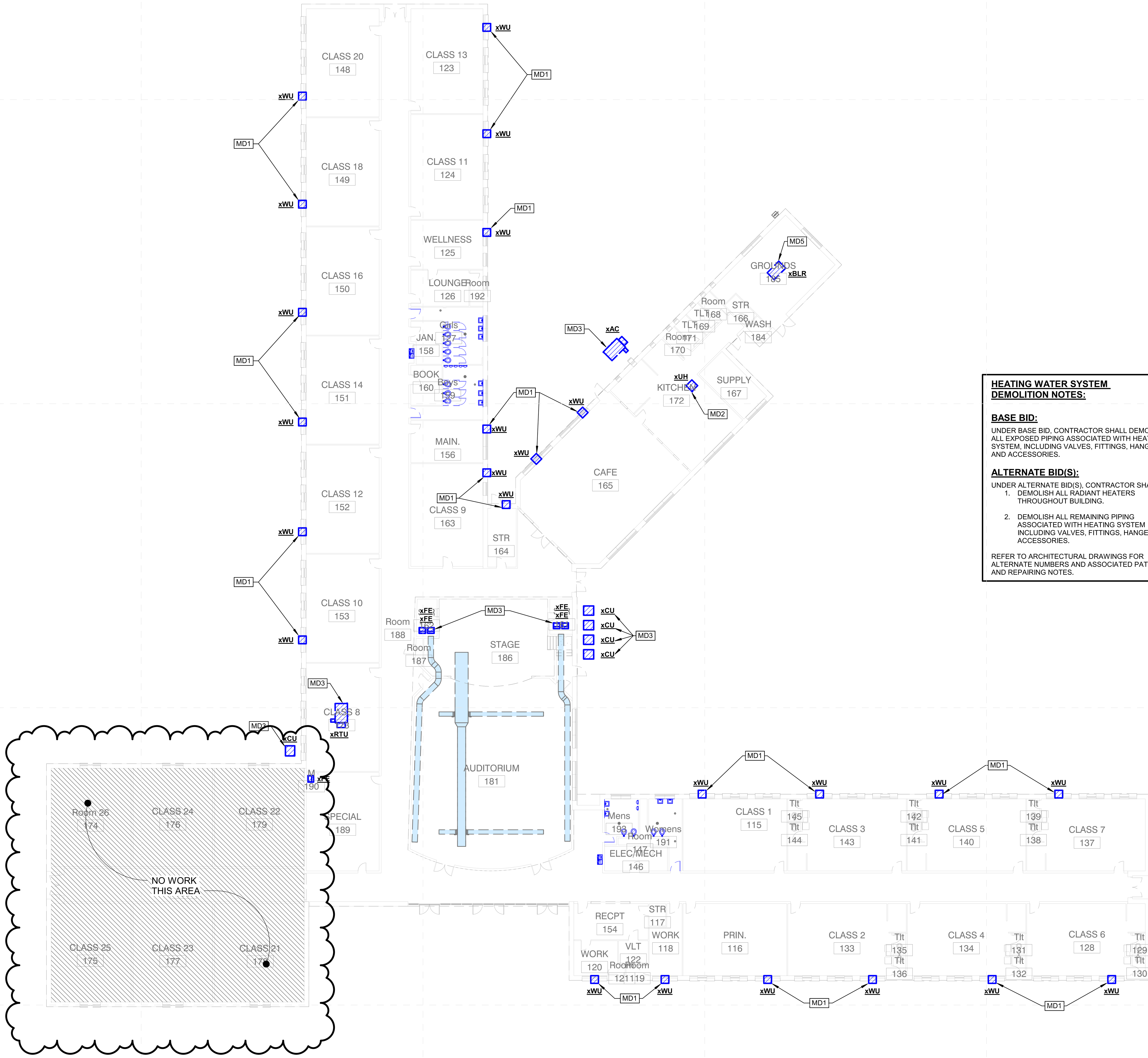
M-301a

AW James Elementary - Enlarged Plumbing Plans

SPECIFIC HVAC DEMOLITION NOTES	
MD1	DEMOLISH EXISTING WINDOW UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR WINDOW/WALL INFILL.
MD2	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL WHERE APPLICABLE.
MD3	REPLACE EXISTING AIR CONDITIONING EQUIPMENT WITH NEW IN SAME LOCATION.
MD5	DEMOLISH EXISTING BOILER, PUMPS AND HEATING WATER PIPING AFTER NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.



AW James Elementary - Overall Mechanical Demolition Plan

1 MD001a 1/16" = 1'-0"

HEATING WATER SYSTEM DEMOLITION NOTES:

BASE BID:

UNDER BASE BID, CONTRACTOR SHALL DEMOLISH ALL EXPOSED PIPING ASSOCIATED WITH HEATING SYSTEM, INCLUDING VALVES, FITTINGS, HANGERS AND ACCESSORIES.

ALTERNATE BID(S):

UNDER ALTERNATE BID(S), CONTRACTOR SHALL:

1. DEMOLISH ALL RADIANT HEATERS THROUGHOUT BUILDING.
2. DEMOLISH ALL REMAINING PIPING ASSOCIATED WITH HEATING SYSTEM INCLUDING VALVES, FITTINGS, HANGERS AND ACCESSORIES.

REFER TO ARCHITECTURAL DRAWINGS FOR ALTERNATE NUMBERS AND ASSOCIATED PATCHING AND REPAIRING NOTES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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p 601.790.9432

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Revisions	Rev Date
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MD001a

AW James Elementary - Overall Mechanical Demolition Plan

SPECIFIC PLUMBING NOTES

P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
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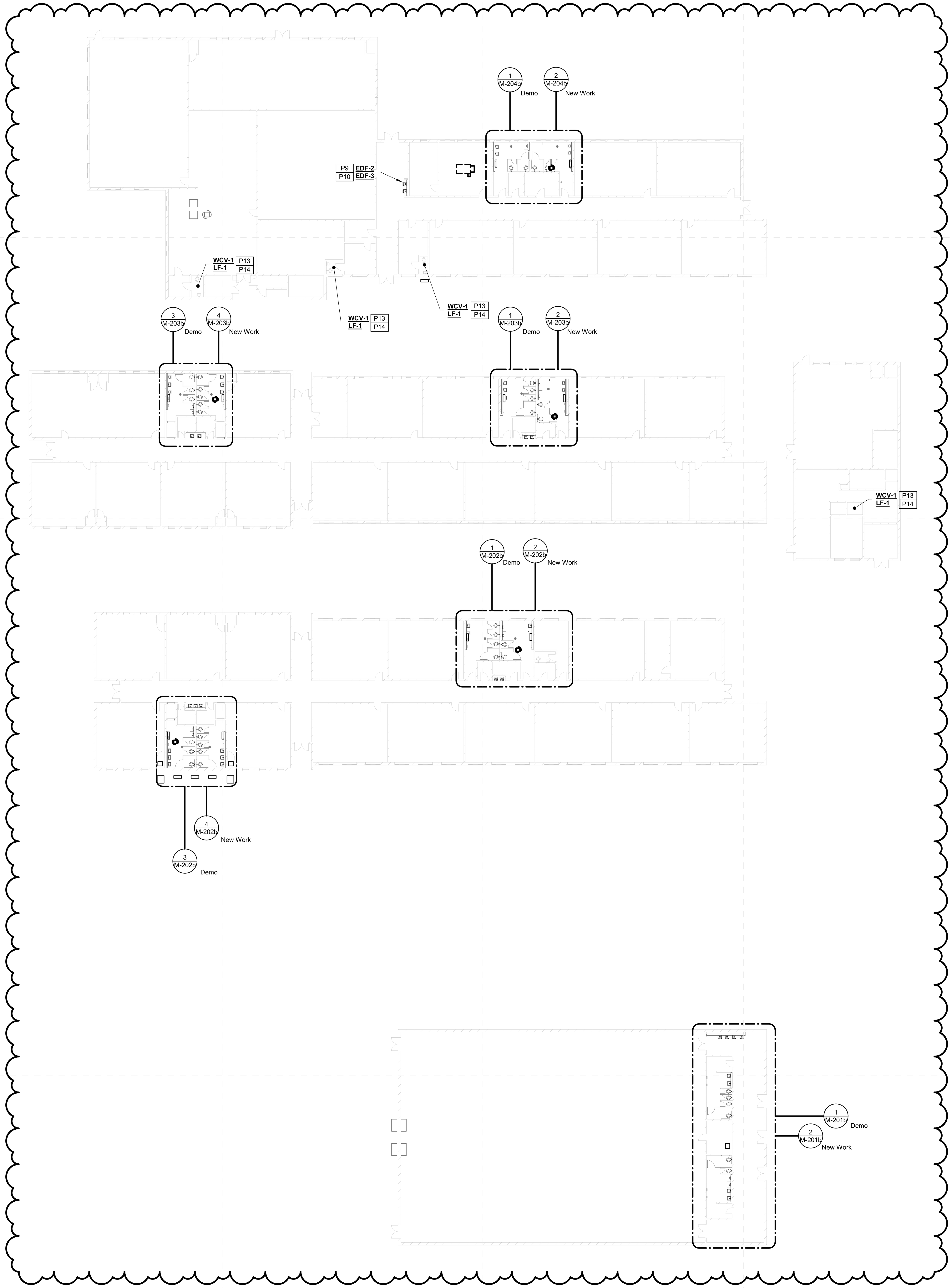

1 M-004b **Carver Elementary - Overall Plumbing Plan**
1" = 20'-0"

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AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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Revisions	Rev Date
1	Date 1

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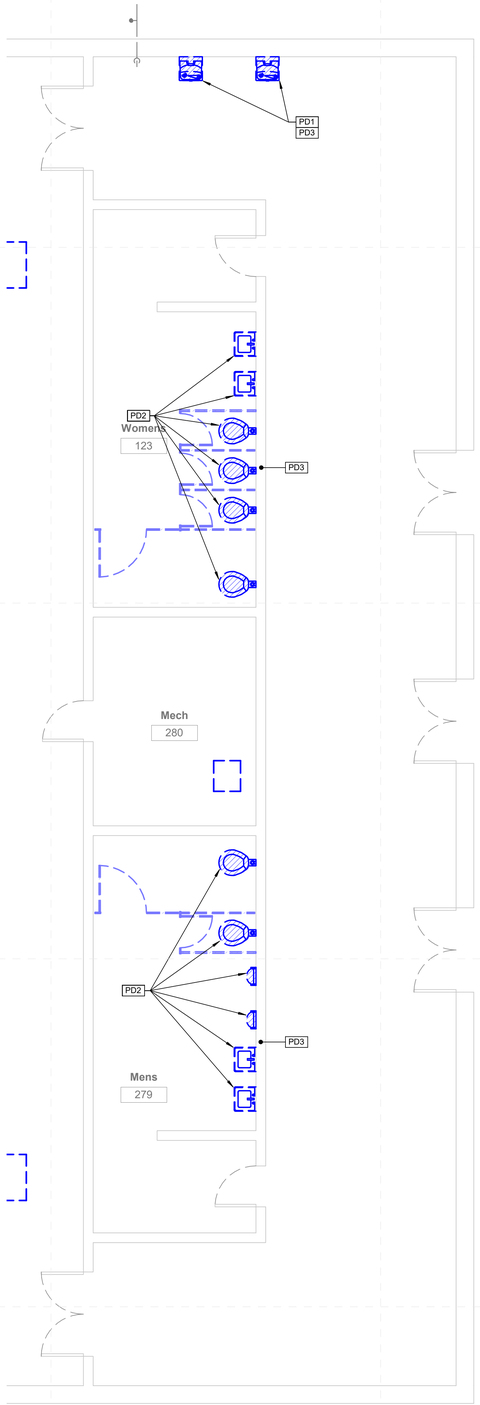
M-004b

Carver Elementary - Overall Plumbing Plan

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.



1 M-201b **Carver Elementary - Enlarged Plumbing Demo Plan (1)**
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
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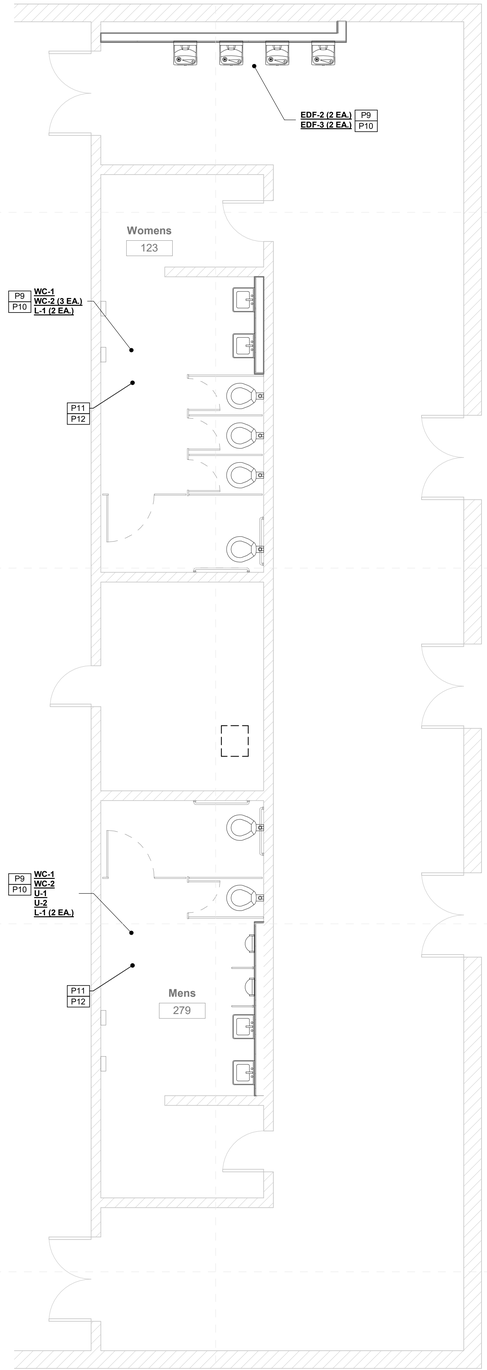
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.



2 M-201b **Carver Elementary - Enlarged Plumbing New Work Plan (1)**
1/4" = 1'-0"

GENERAL PLUMBING NOTE:
SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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M-201b
Carver Elementary - Enlarged Plumbing Plans

SPECIFIC PLUMBING DEMOLITION NOTES	
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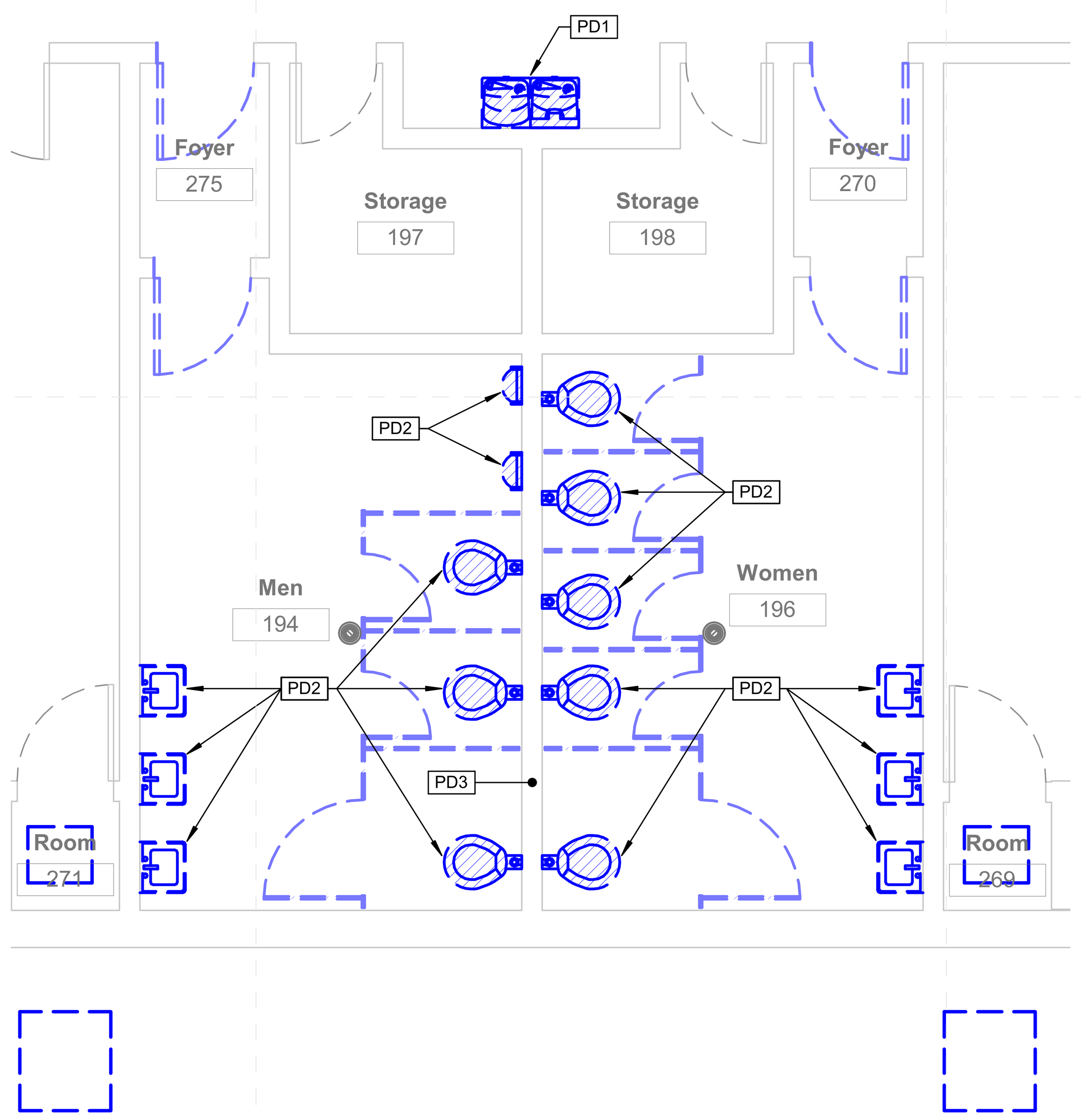
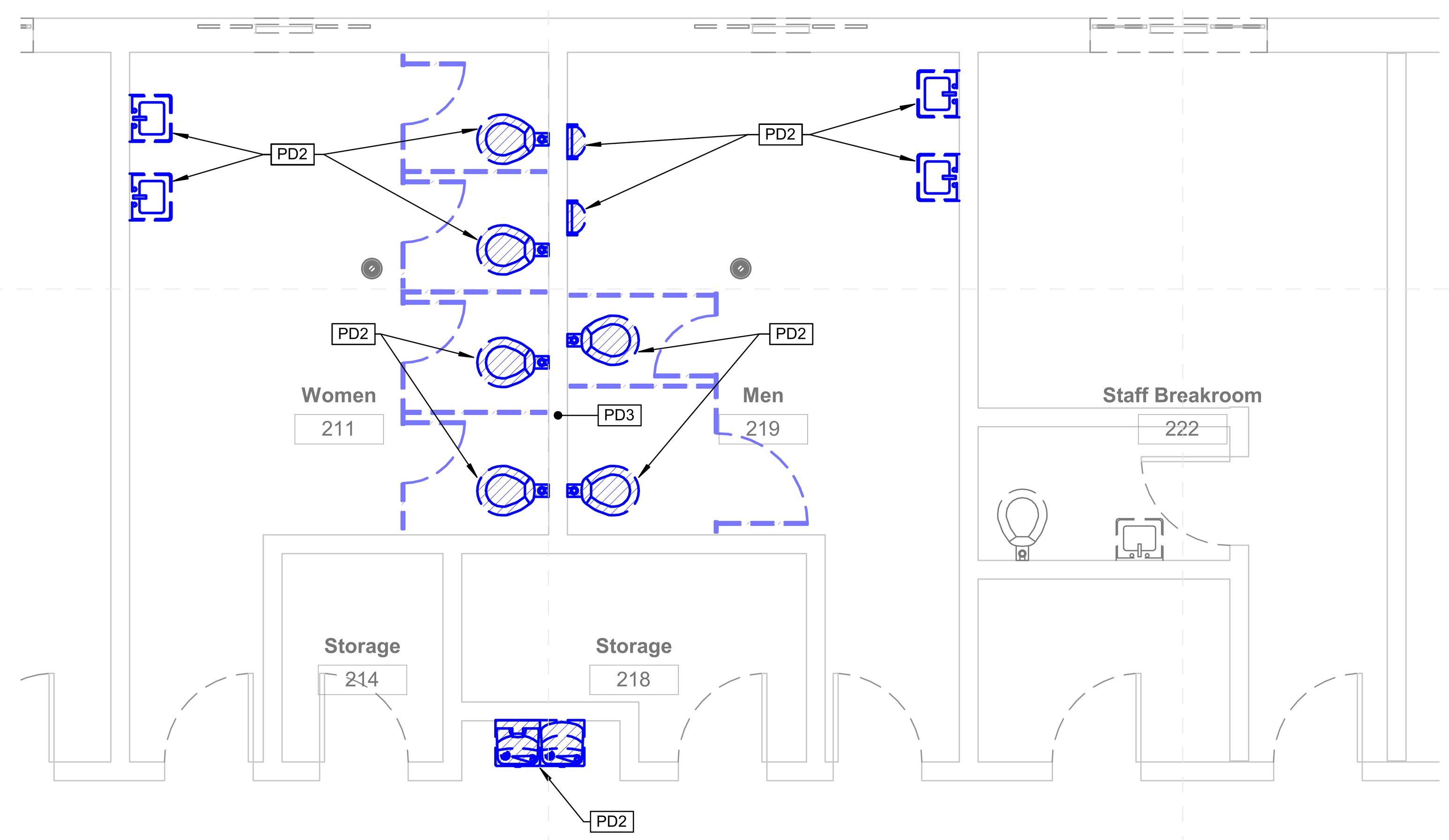
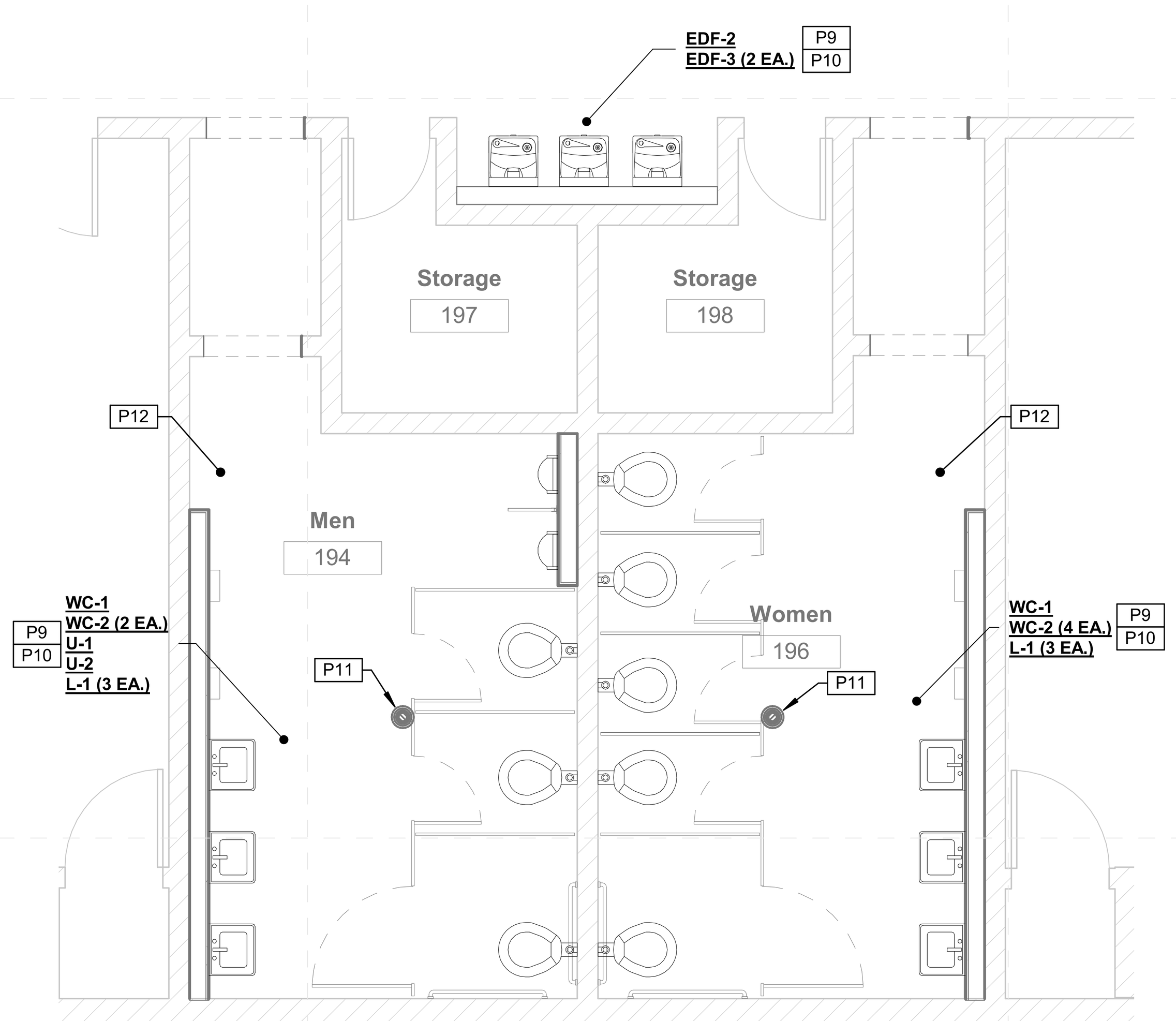


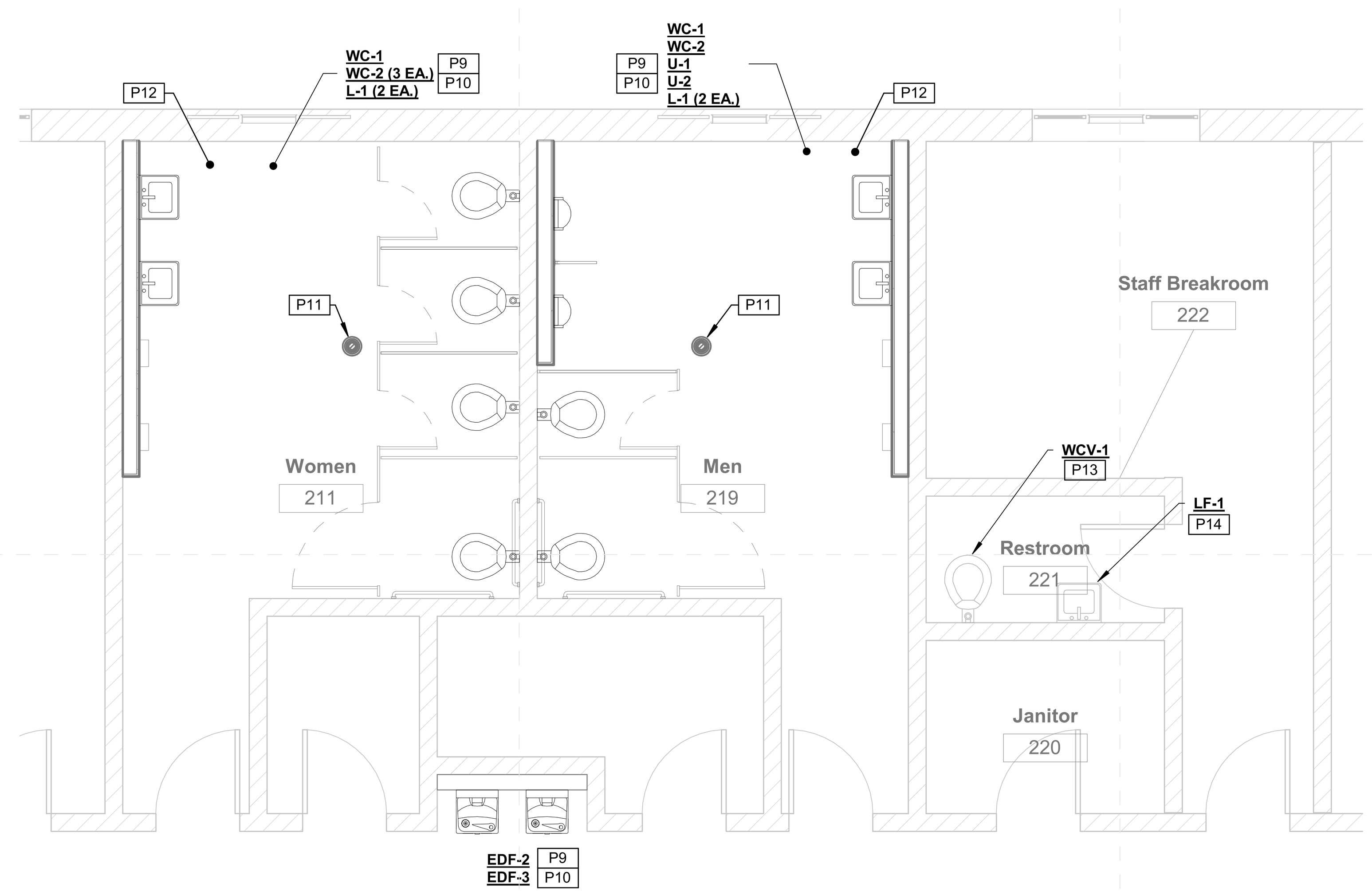
3 M-202b **Carver Elementary - Enlarged Plumbing Demo Plan (3)**
1/4" = 1'-0"



1 M-202b **Carver Elementary - Enlarged Plumbing Demo Plan (2)**
1/4" = 1'-0"



4 M-202b **Carver Elementary - Enlarged Plumbing New Work Plan (3)**
1/4" = 1'-0"



2 M-202b **Carver Elementary - Enlarged Plumbing New Work Plan (2)**
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
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GENERAL PLUMBING NOTE:

SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

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Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
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www.gskmech.com
GSK#: 110-077

DALE BAILEY
AN ASSOCIATION
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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Project No	21027
Date	2 February 2022
Revisions	Rev Date

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Carver Elementary - Enlarged Plumbing Plans

SPECIFIC PLUMBING DEMOLITION NOTES	
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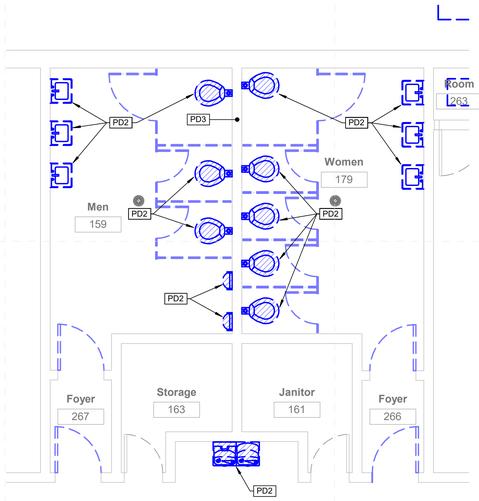
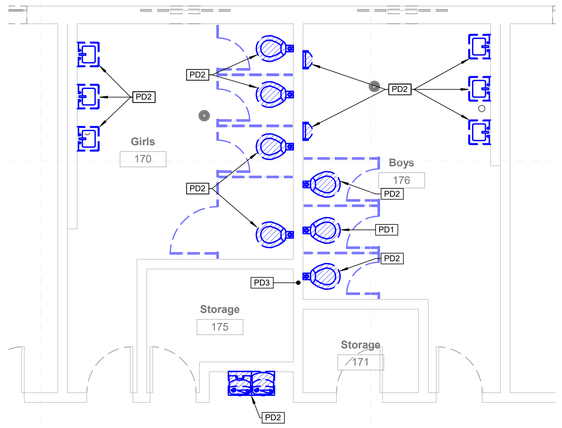


3 M-203b **Carver Elementary - Enlarged Plumbing Demo Plan (5)**
1/4" = 1'-0"



1 M-203b **Carver Elementary - Enlarged Plumbing Demo Plan (4)**
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
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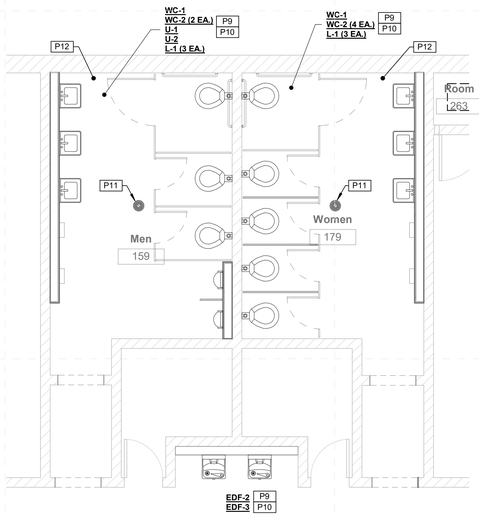
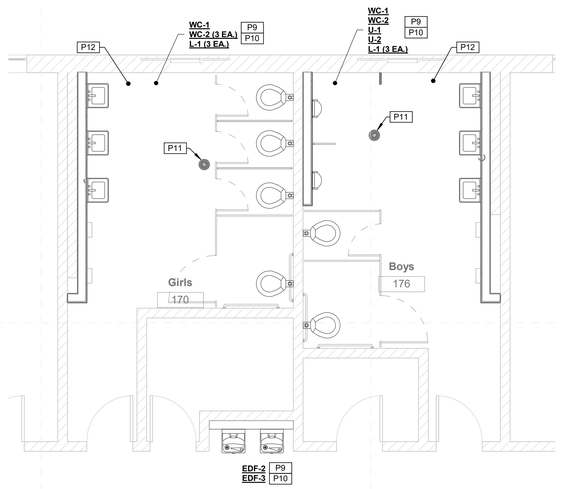
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.



4 M-203b **Carver Elementary - Enlarged Plumbing New Work Plan (5)**
1/4" = 1'-0"



2 M-203b **Carver Elementary - Enlarged Plumbing New Work Plan (4)**
1/4" = 1'-0"

GENERAL PLUMBING NOTE:

SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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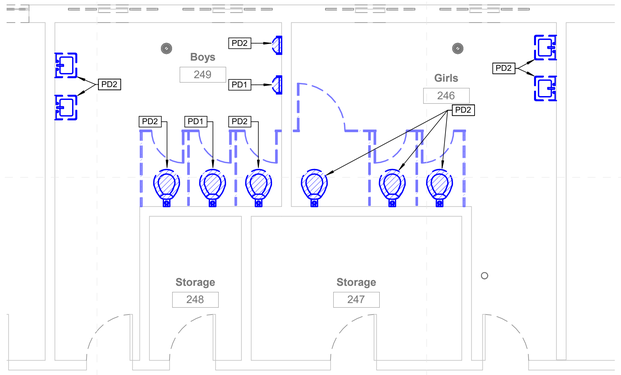
M-203b

Carver Elementary - Enlarged Plumbing Plans

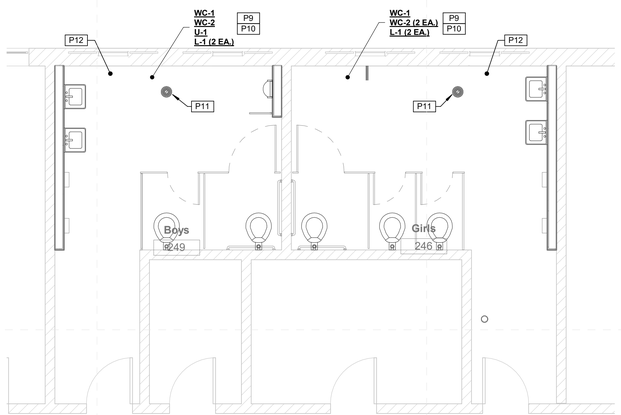
SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.



Carver Elementary - Enlarged Plumbing Demo Plan (6)

1 M-204b 1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW, ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.



Carver Elementary - Enlarged Plumbing New Work Plan (6)

2 M-204b 1/4" = 1'-0"

GENERAL PLUMBING NOTE:

SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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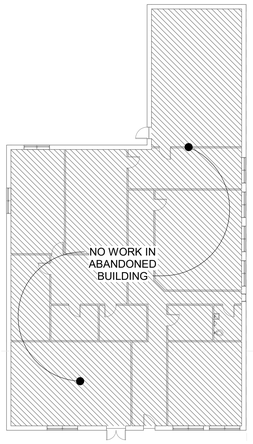
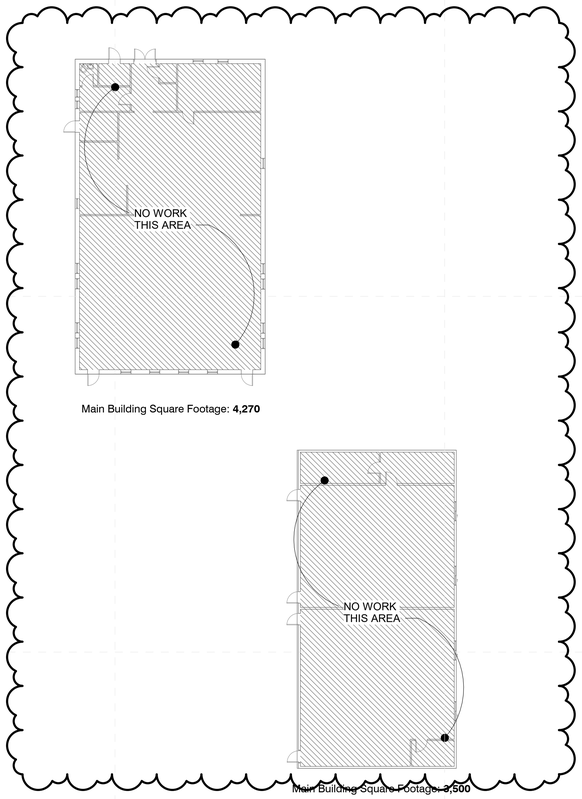
M-204b

Carver Elementary - Enlarged Plumbing Plans

THIS BUILDING IS ABANDONED.

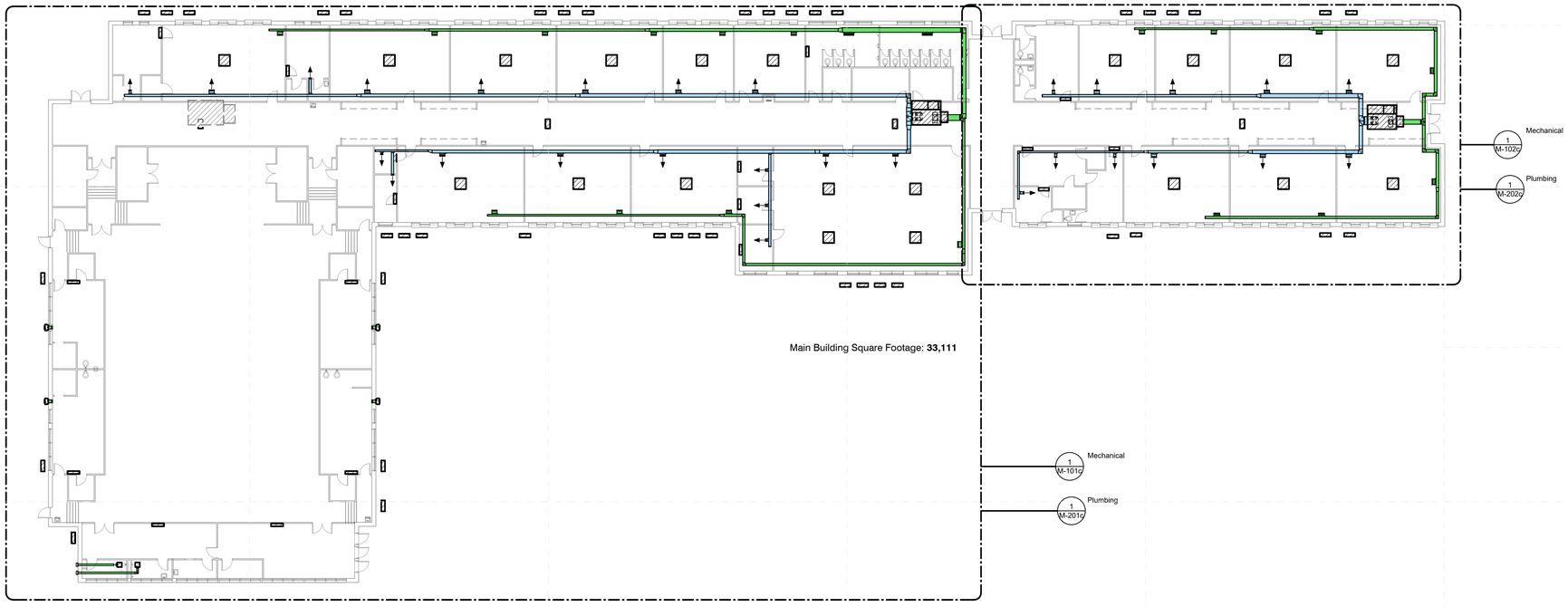


Main Building Square Footage: **5,434**



Main Building Square Footage: **4,270**

Main Building Square Footage: **3,500**



Main Building Square Footage: **33,111**

1 M-001c Drew Hunter Middle - Overall Mechanical Plan

1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
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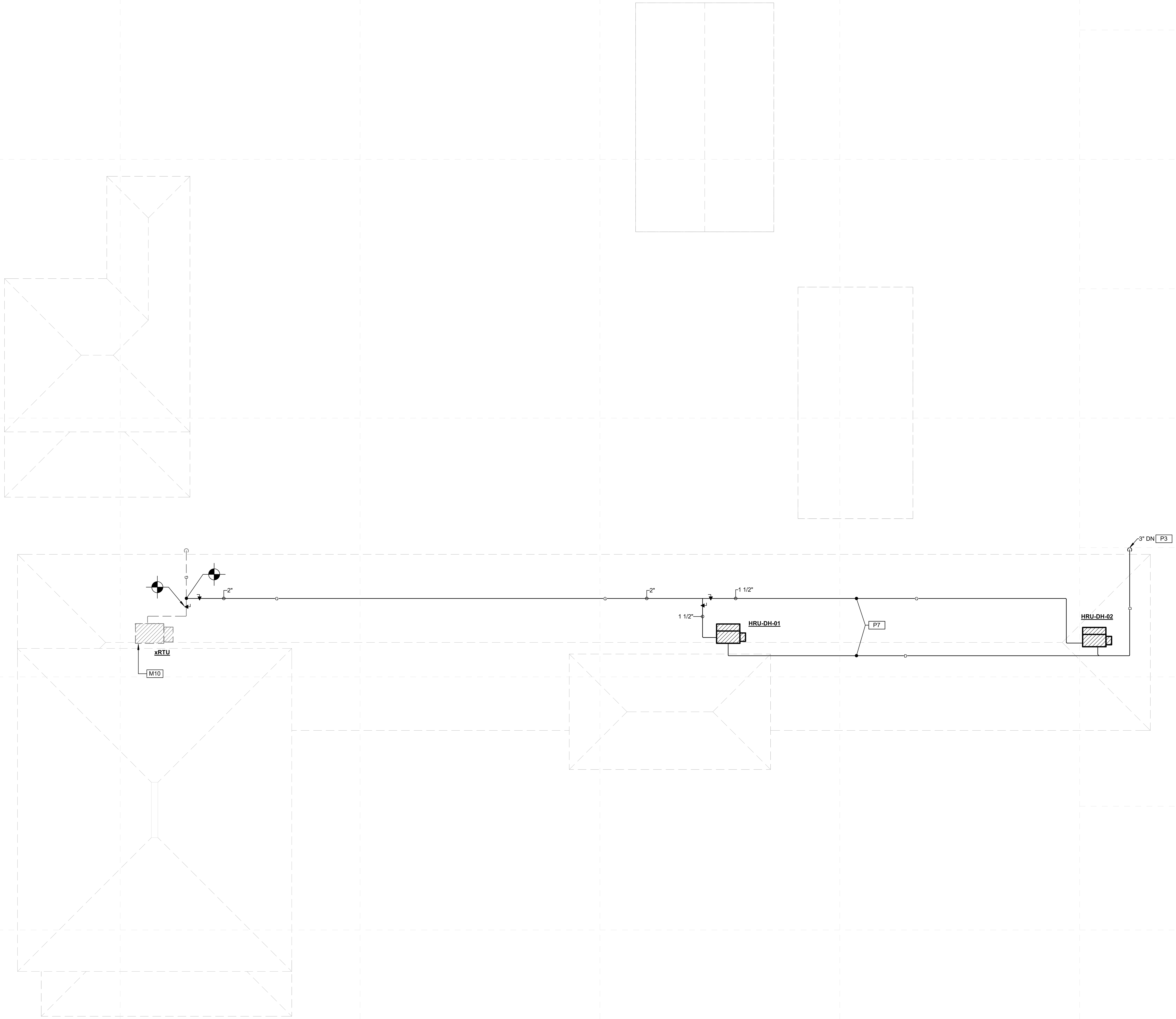
M-001c

Drew Hunter Middle - Overall Mechanical Plan

SPECIFIC PLUMBING NOTES	
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P7	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.



Drew Hunter Middle - Mechanical Roof Plan

1 M-002c 1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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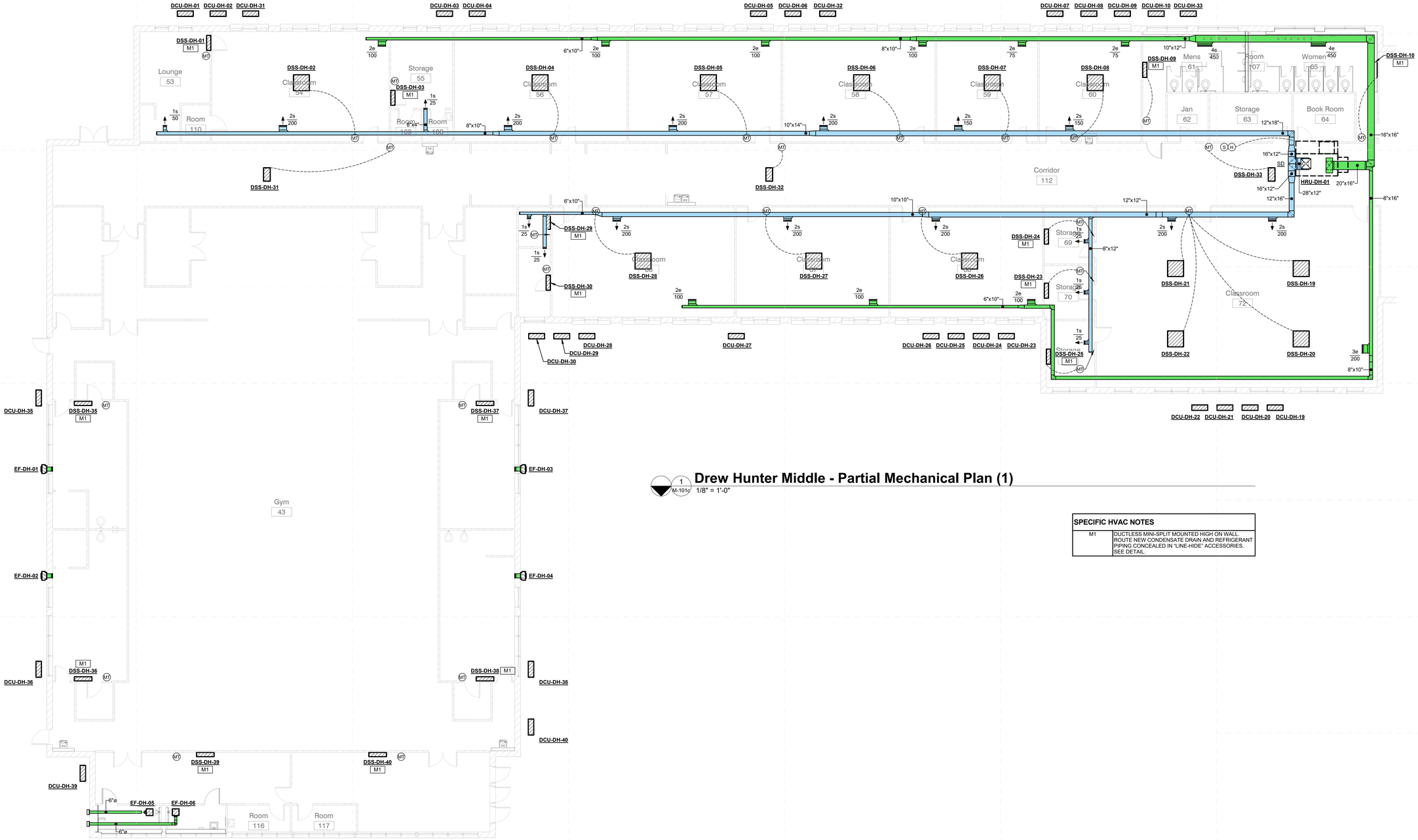
M-002c

Drew Hunter Middle - Mechanical Roof Plan



Drew Hunter Middle - Partial Mechanical Plan (1)

1/8" = 1'-0"

SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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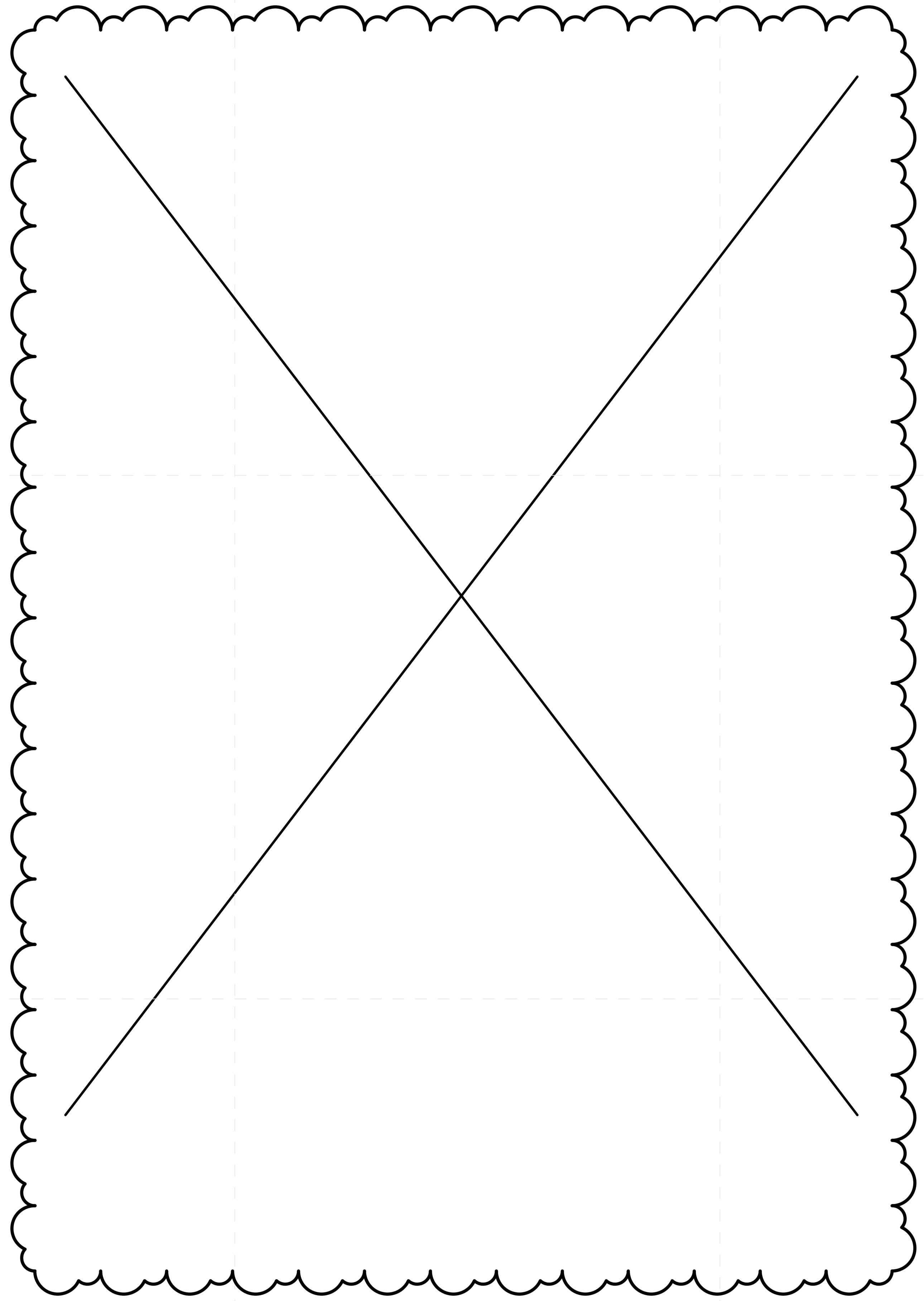
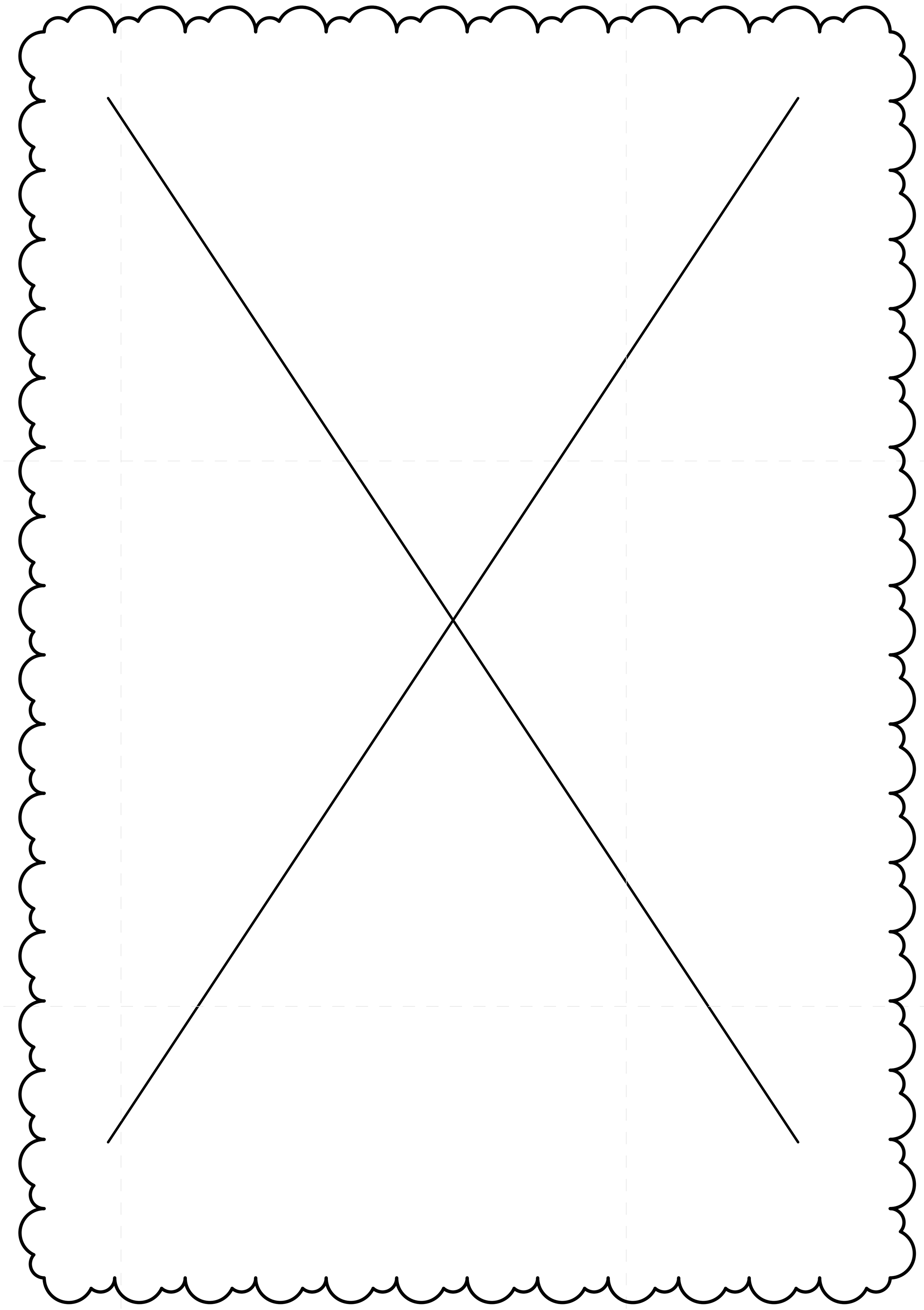
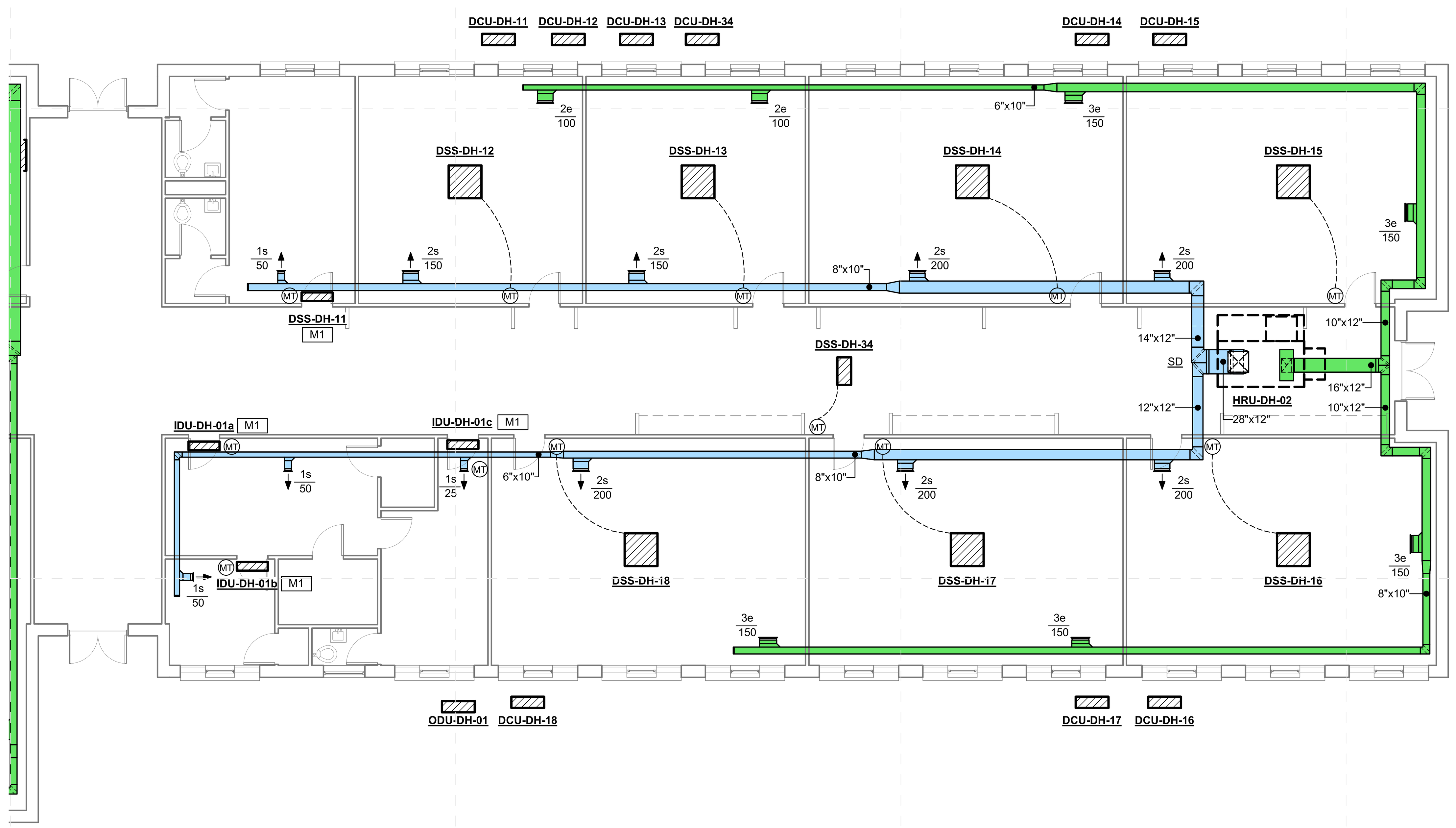
M-101c

Drew Hunter - Partial Mechanical Plans





SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.



1 M-102c **Drew Hunter Middle - Partial Mechanical Plan (2)**
1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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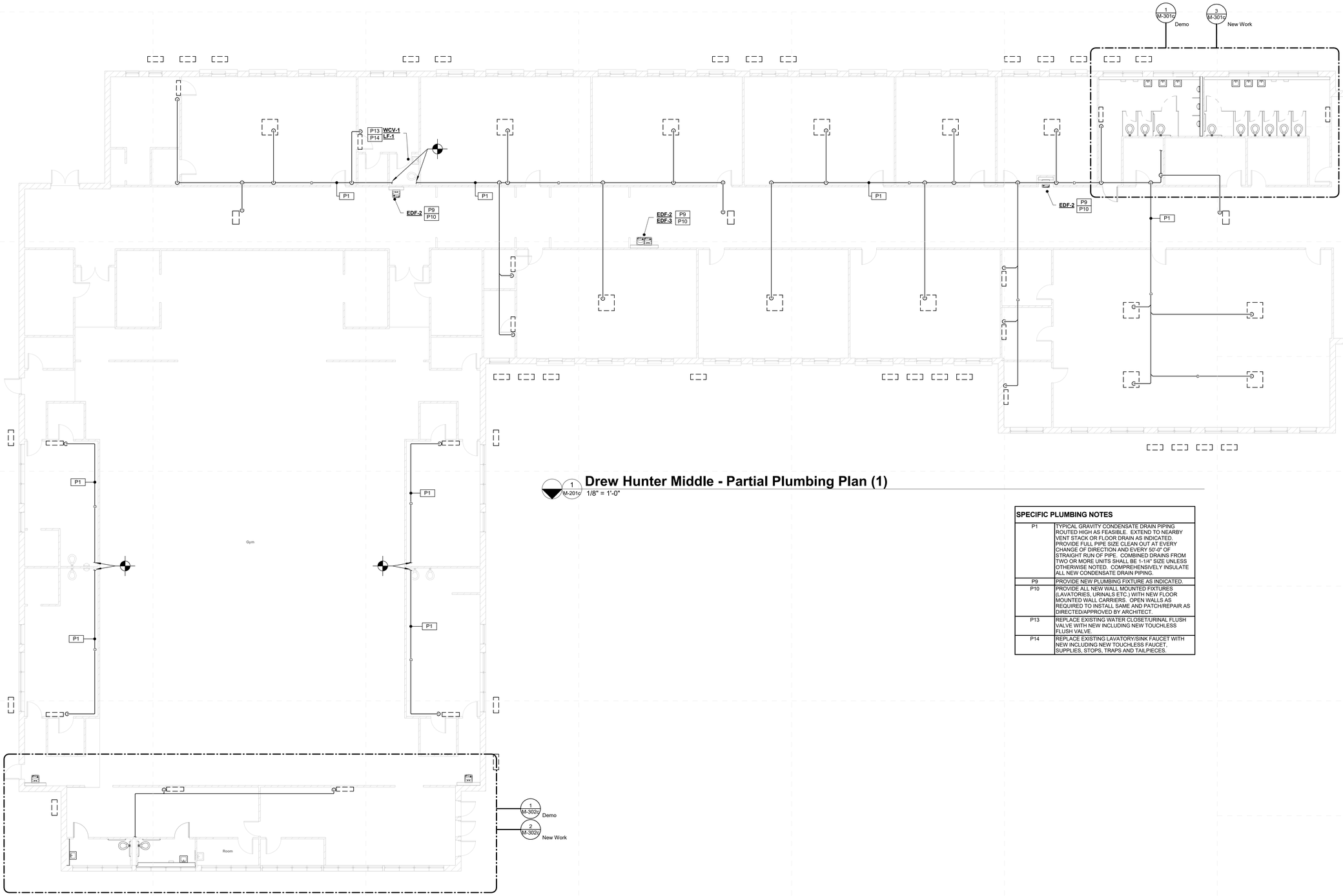
M-102c

Drew Hunter - Partial Mechanical Plans



1 M-201c **Drew Hunter Middle - Partial Plumbing Plan (1)**
1/8" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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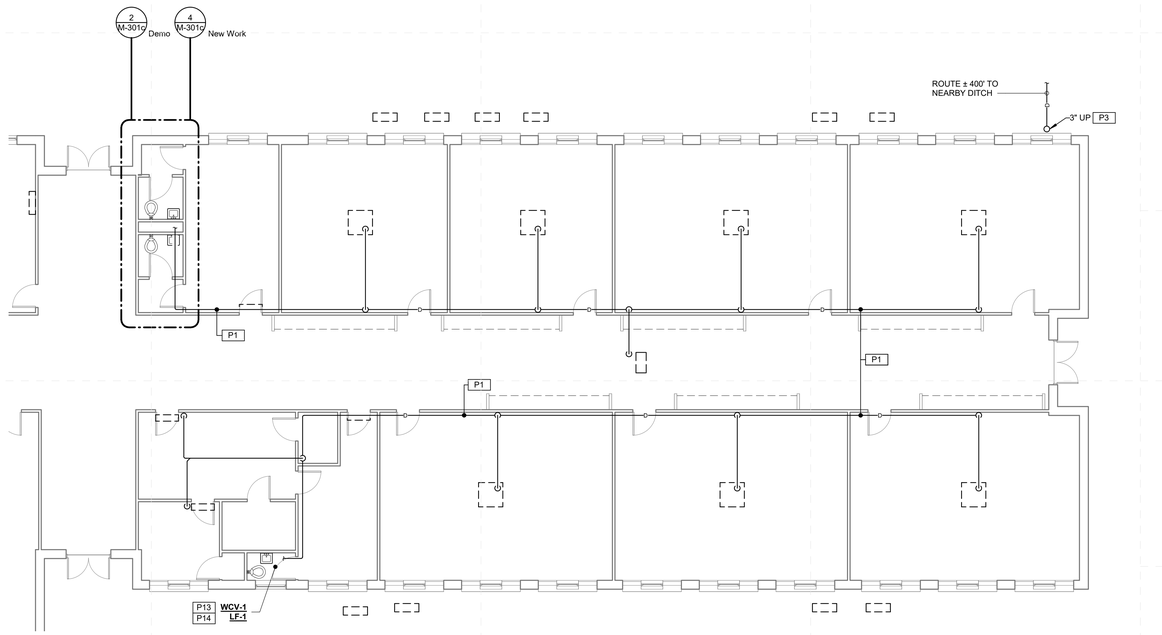
M-201c

Drew Hunter Middle - Partial Plumbing Plans

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.



1 M-202c **Drew Hunter Middle - Partial Plumbing Plan (2)**
1/8" = 1'-0"

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AN ASSOCIATION

Architects

One Jackson Place 250
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Jackson, MS 39201
p 601.352.5411

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Ridgeland, MS 39157
p 601.790.9432

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p 228.374.1409

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KEVIN WILLIAM [illegible]
REGISTERED PROFESSIONAL ENGINEER
15555
2/2/22
STATE OF MISSISSIPPI

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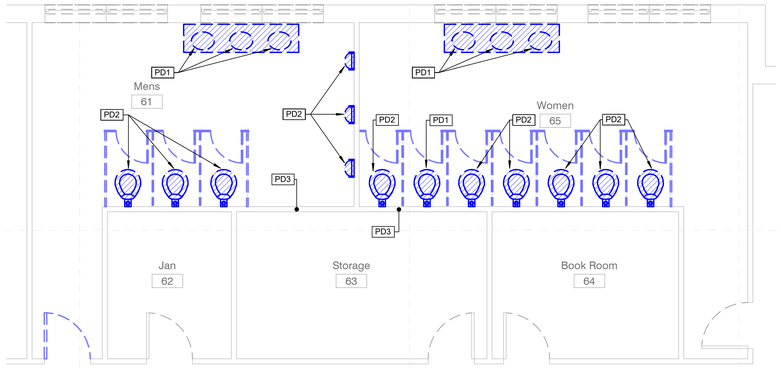
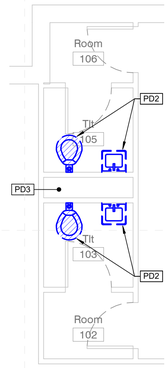
Drew Hunter Middle - Partial Plumbing Plans

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.

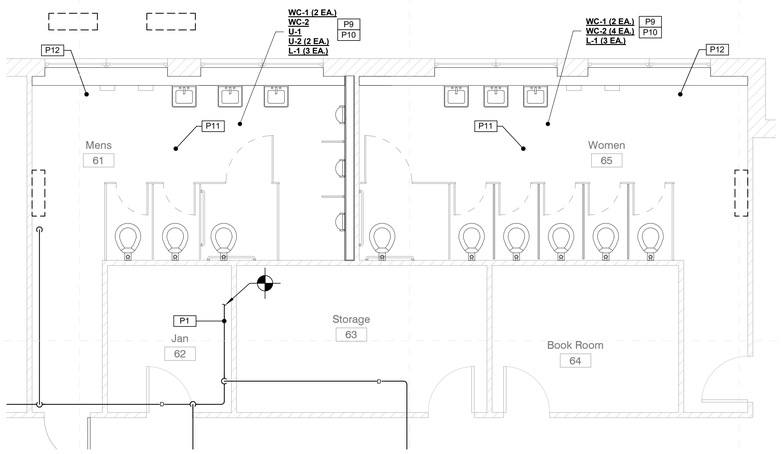


1 M-301c **Drew Hunter Middle - Enlarged Plumbing Demo Plan (1)**
1/4" = 1'-0"

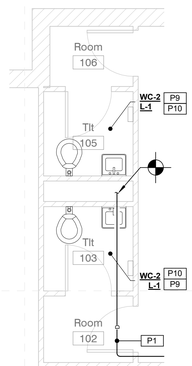


2 M-301c **Drew Hunter Middle - Enlarged Plumbing Demo Plan (2)**
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.



3 M-301c **Drew Hunter Middle - Enlarged Plumbing New Work Plan (1)**
1/4" = 1'-0"



4 M-301c **Drew Hunter Middle - Enlarged Plumbing New Work Plan (2)**
1/4" = 1'-0"

GENERAL PLUMBING NOTE:
SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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Drew Hunter Middle - Enlarged Plumbing Plans

SPECIFIC PLUMBING DEMOLITION NOTES	
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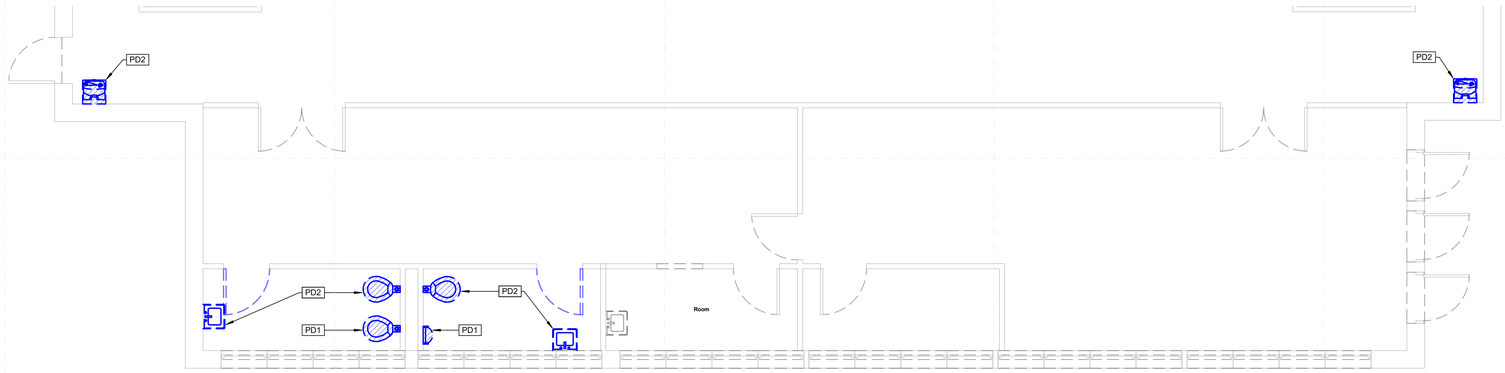
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.



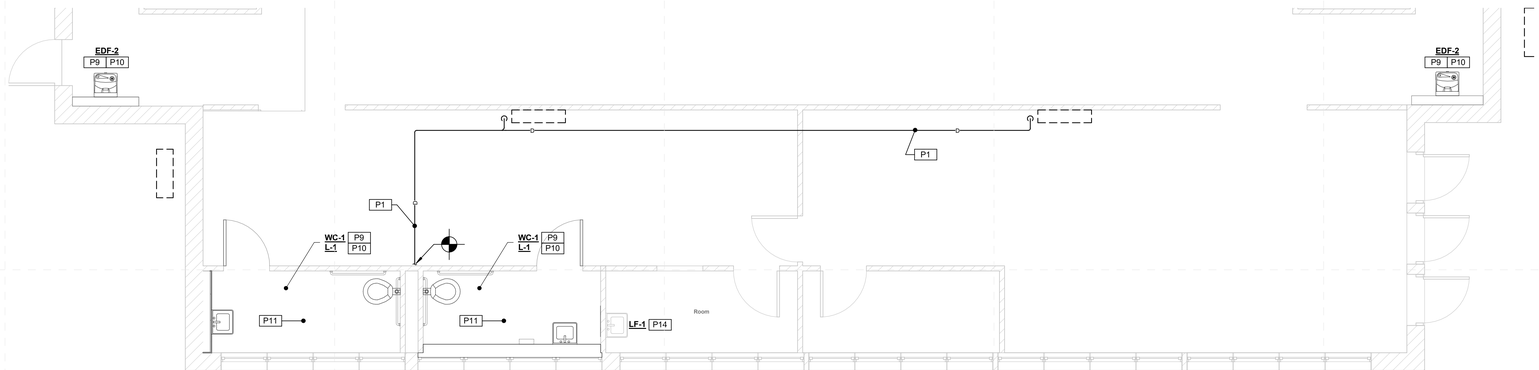
Drew Hunter Middle - Enlarged Plumbing Demo Plan (3)

1 / M-302c — 1/4" = 1'-0"

GENERAL PLUMBING NOTE:

SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.



Drew Hunter Middle - Enlarged Plumbing New Work Plan (3)

2 / M-302c — 1/4" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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p 601.790.9432

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Biloxi, MS 39530
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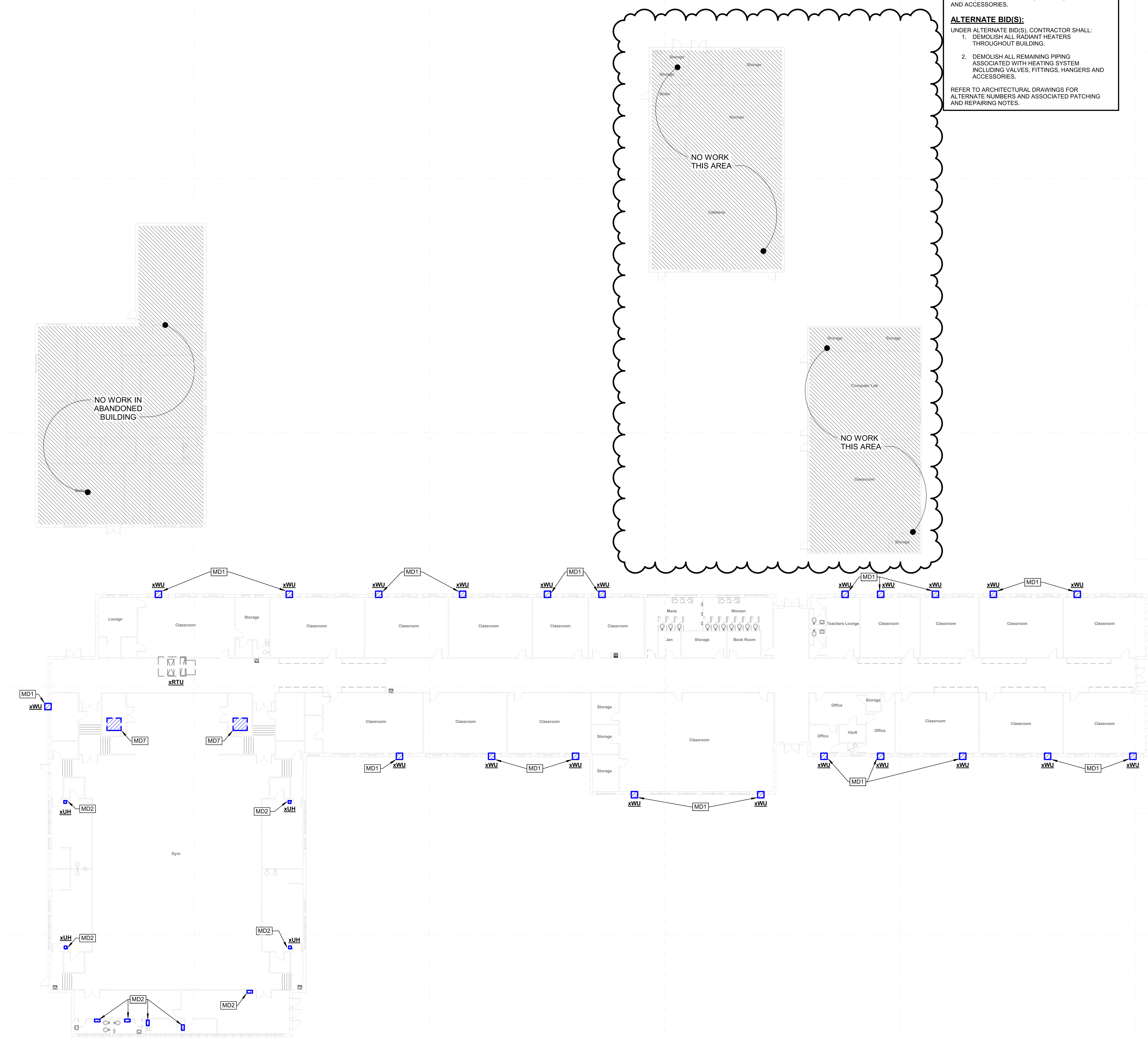
M-302c

Drew Hunter Middle - Enlarged Plumbing Plans



HEATING WATER SYSTEM DEMOLITION NOTES:

BASE BID:

UNDER BASE BID, CONTRACTOR SHALL DEMOLISH ALL EXPOSED PIPING ASSOCIATED WITH HEATING SYSTEM, INCLUDING VALVES, FITTINGS, HANGERS AND ACCESSORIES.

ALTERNATE BID(S):

UNDER ALTERNATE BID(S), CONTRACTOR SHALL:

1. DEMOLISH ALL RADIANT HEATERS THROUGHOUT BUILDING.
2. DEMOLISH ALL REMAINING PIPING ASSOCIATED WITH HEATING SYSTEM INCLUDING VALVES, FITTINGS, HANGERS AND ACCESSORIES.

REFER TO ARCHITECTURAL DRAWINGS FOR ALTERNATE NUMBERS AND ASSOCIATED PATCHING AND REPAIRING NOTES.

SPECIFIC HVAC DEMOLITION NOTES	
MD1	DEMOLISH EXISTING WINDOW UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR WINDOW/WALL INFILL.
MD2	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL WHERE APPLICABLE.
MD7	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.

1 MD001c

Drew Hunter Middle - Overall Mechanical Demolition Plan

1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
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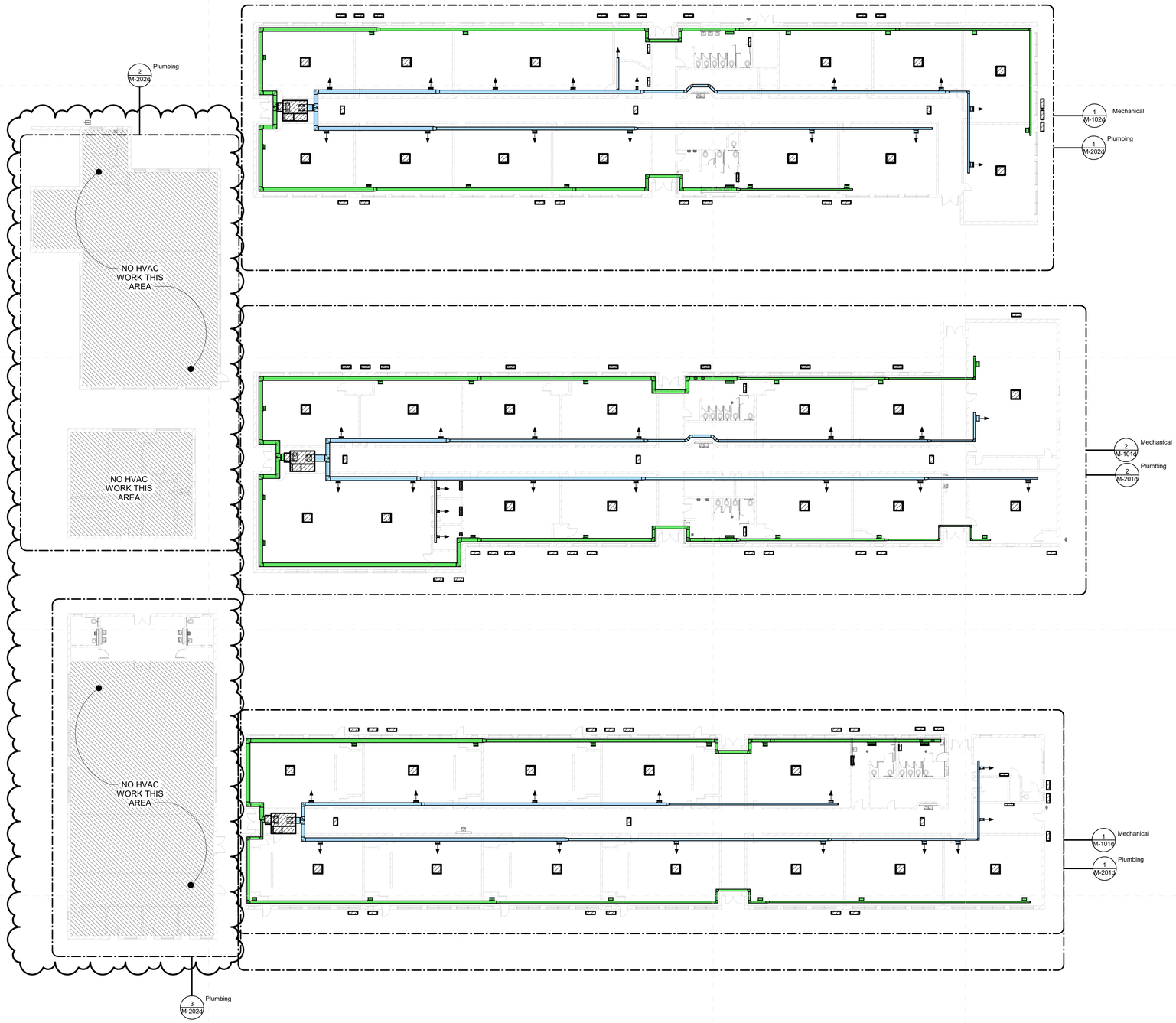
Drew Hunter Middle - Overall Mechanical Demolition Plan



1 M-001d Lockard Elementary - Overall Mechanical Plan

1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

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p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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REGISTERED PROFESSIONAL ENGINEER
15585
2/2/22
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Revisions	Rev Date
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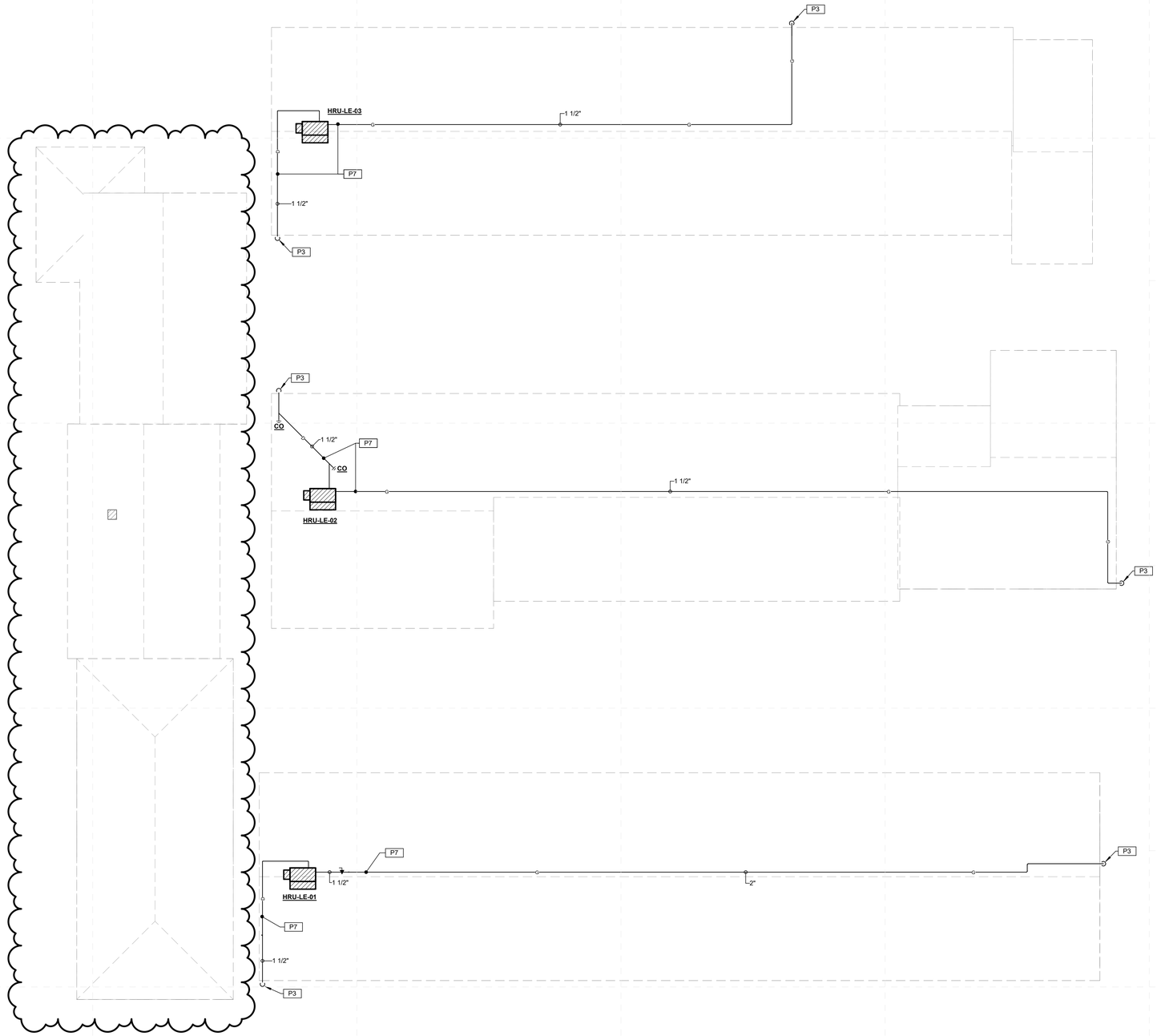
M-001d

Lockard Elementary - Overall Mechanical Plan

SPECIFIC PLUMBING NOTES	
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P7	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.



1 Lockard Elementary - Mechanical Roof Plan

M-002d 1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
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Jackson, MS 39201
p 601.352.5411

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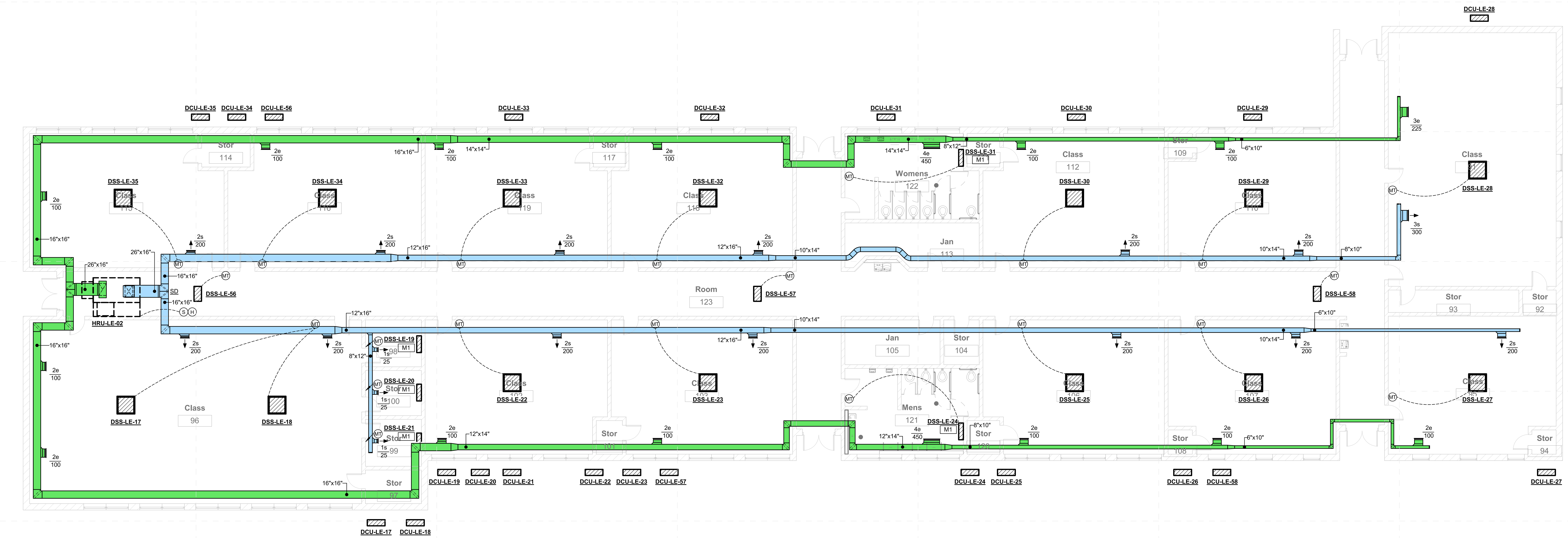
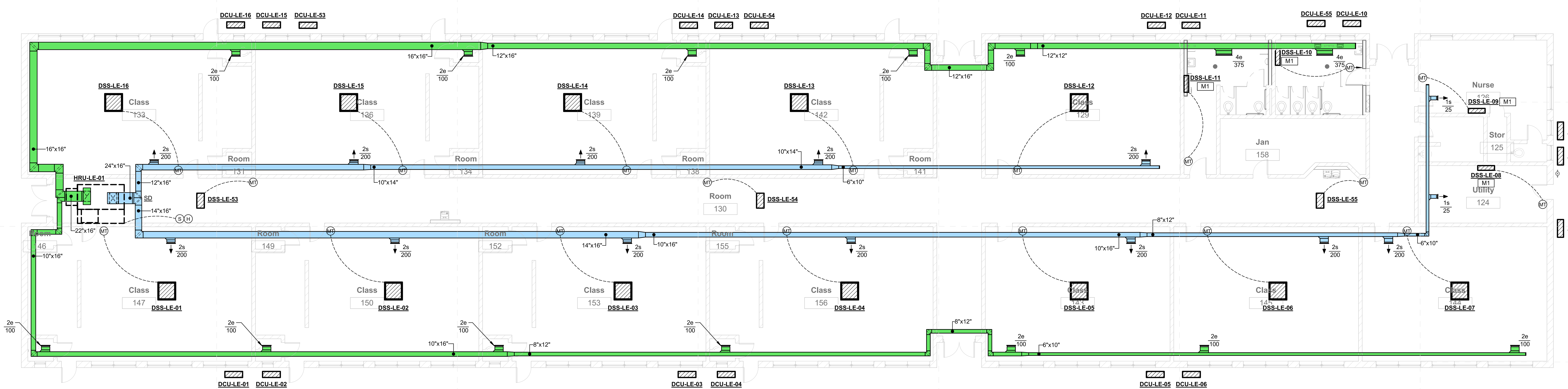
Lockard Elementary - Mechanical Roof Plan



Lockard Elementary - Partial Mechanical Plan (2)

2 M-101d 1/8" = 1'-0"

SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.



Lockard Elementary - Partial Mechanical Plan (1)

1 M-101d 1/8" = 1'-0"

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Architects

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p 601.352.5411

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p 601.790.9432

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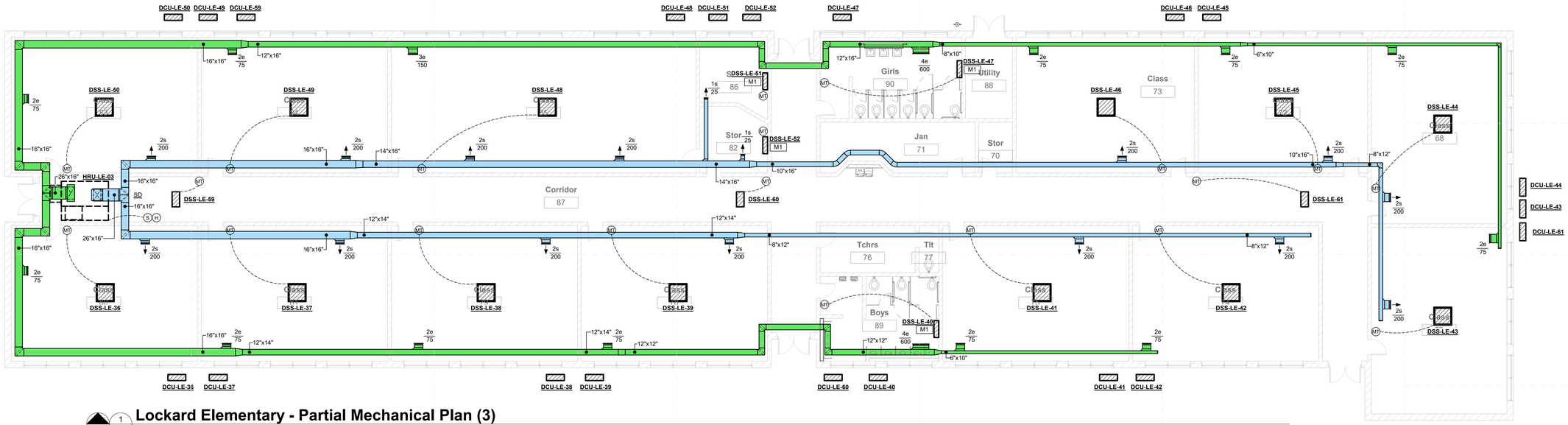
M-101d

Lockard Elementary - Partial Mechanical Plans



1 Lockard Elementary - Partial Mechanical Plan (3)

M-102d 1/8" = 1'-0"

SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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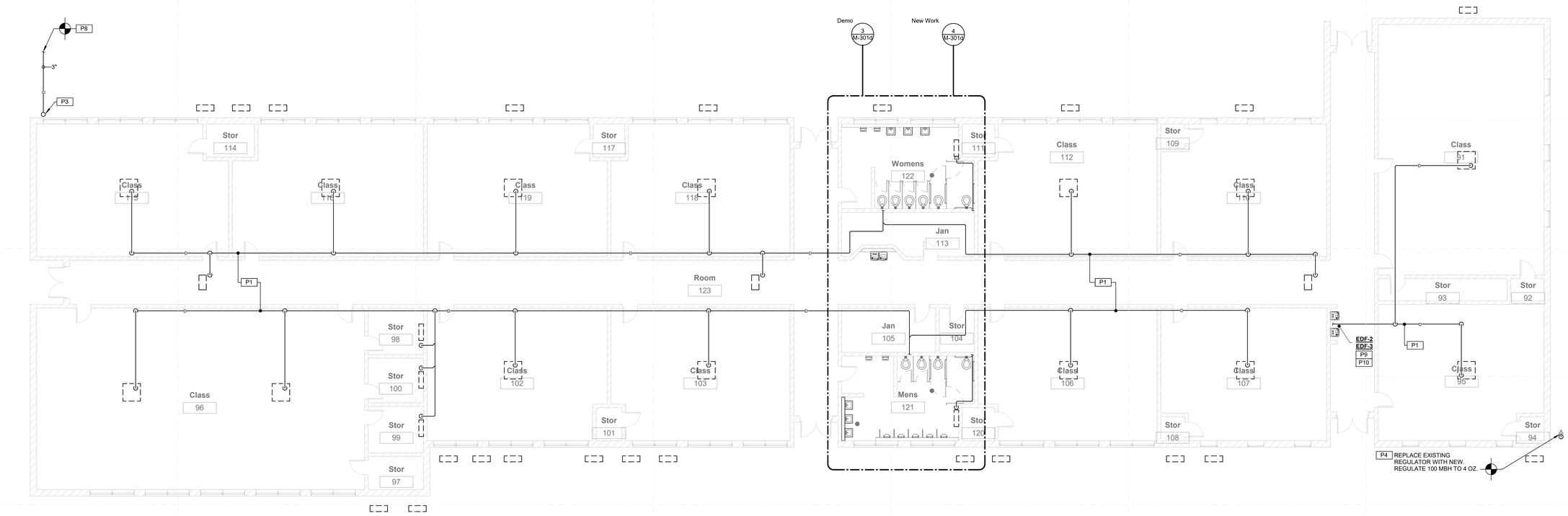
M-102d

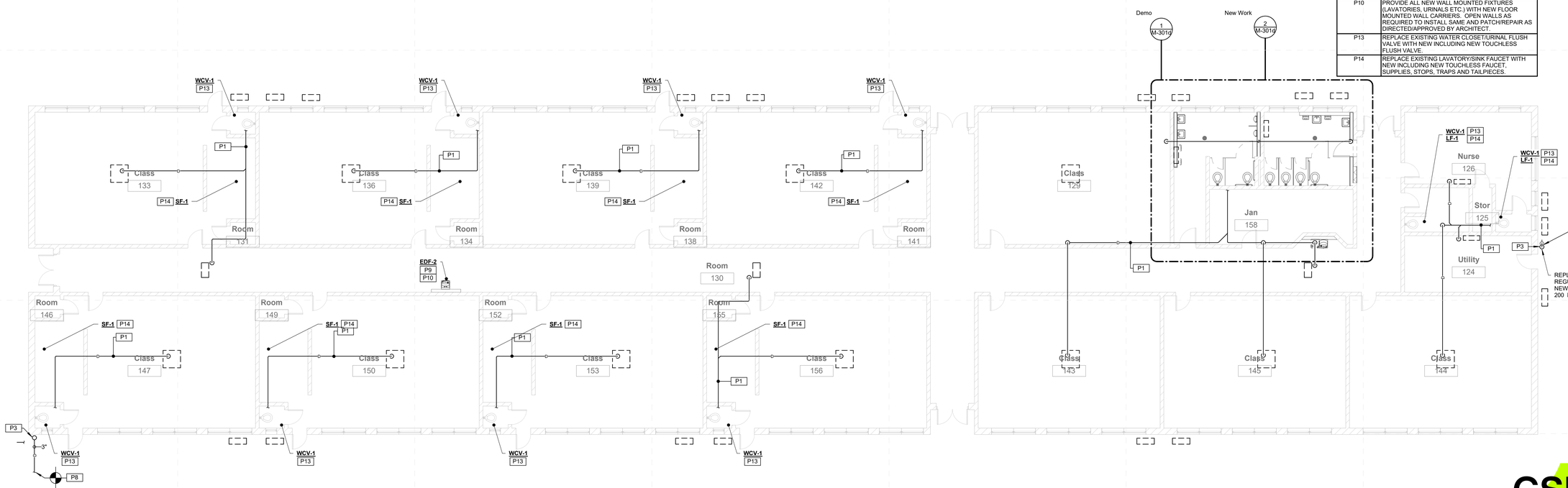
Lockard Elementary - Partial Mechanical Plans



Lockard Elementary - Partial Plumbing Plan (2)

2 M-201d 1/8" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P4	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.



Lockard Elementary - Partial Plumbing Plan (1)

1 M-201d 1/8" = 1'-0"

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AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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p 601.790.9432

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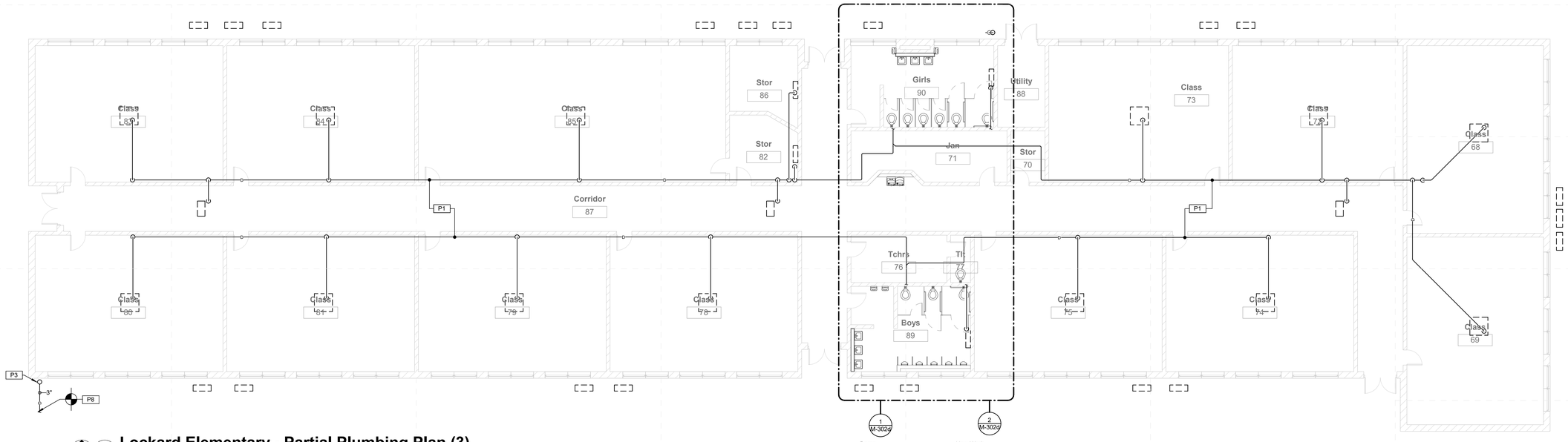
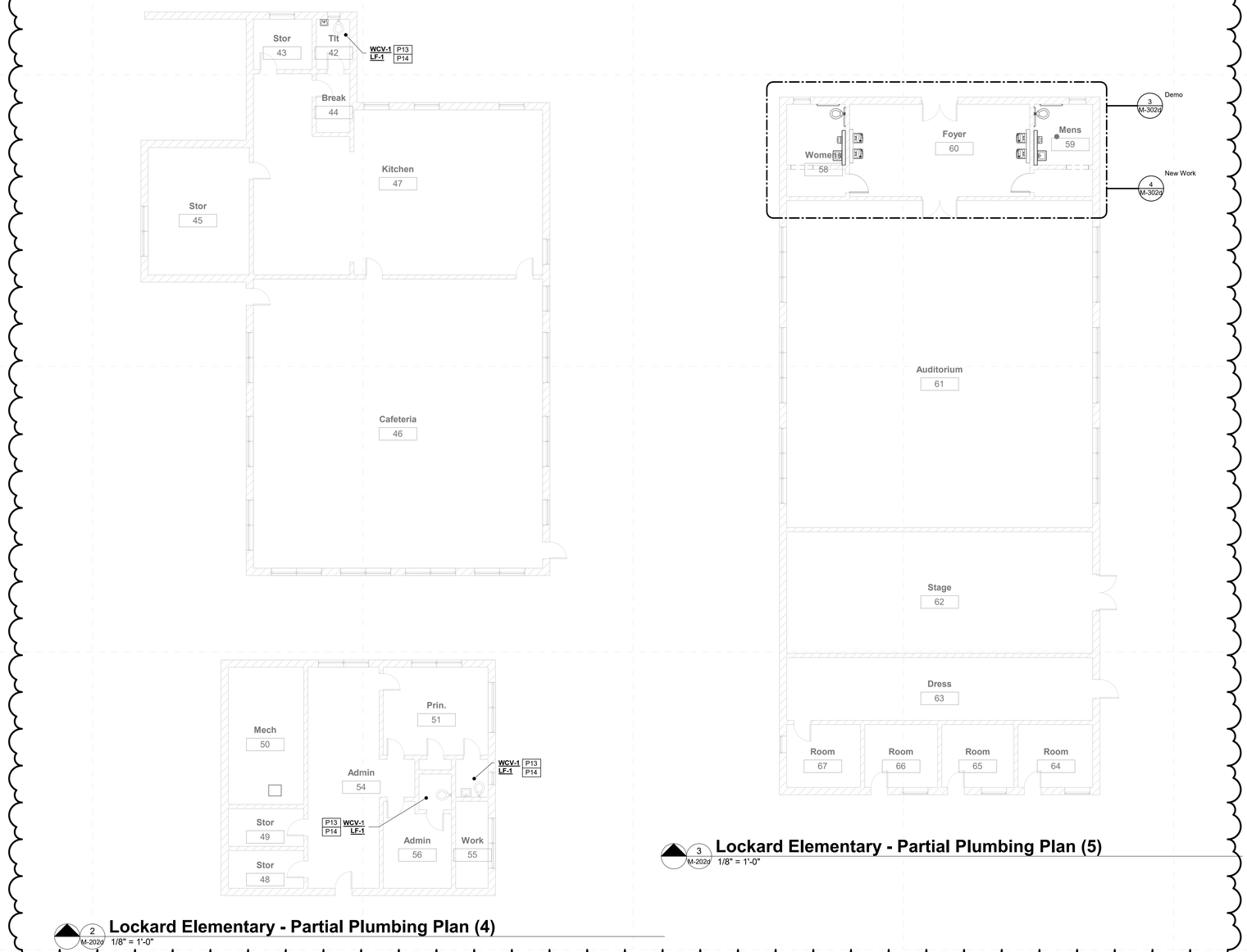
M-201d

Lockard Elementary - Partial Plumbing Plans



Lockard Elementary - Partial Plumbing Plan (3)

1 M-202d 1/8" = 1'-0"



2 M-202d 1/8" = 1'-0" **Lockard Elementary - Partial Plumbing Plan (4)**

3 M-202d 1/8" = 1'-0" **Lockard Elementary - Partial Plumbing Plan (5)**

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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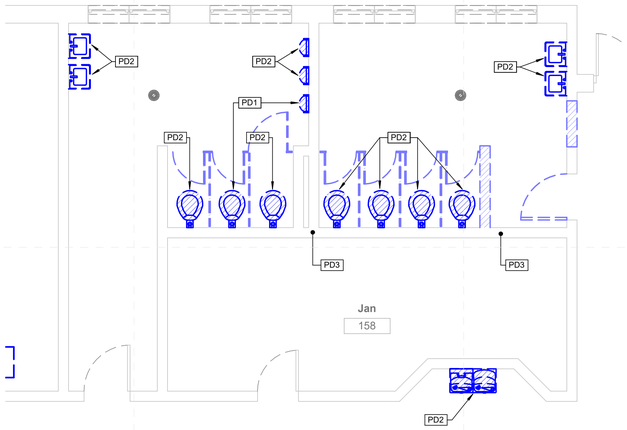
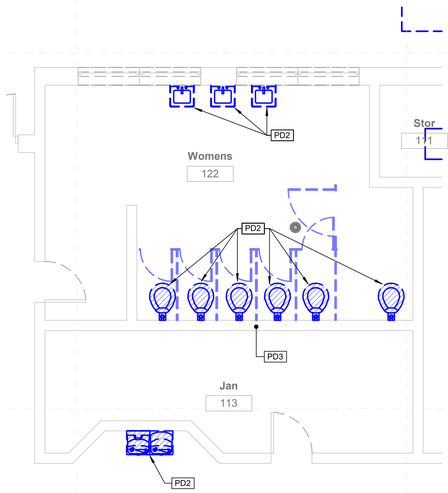
M-202d

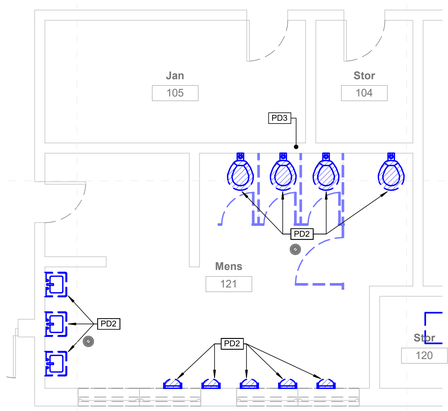
Lockard Elementary - Partial Plumbing Plans

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.

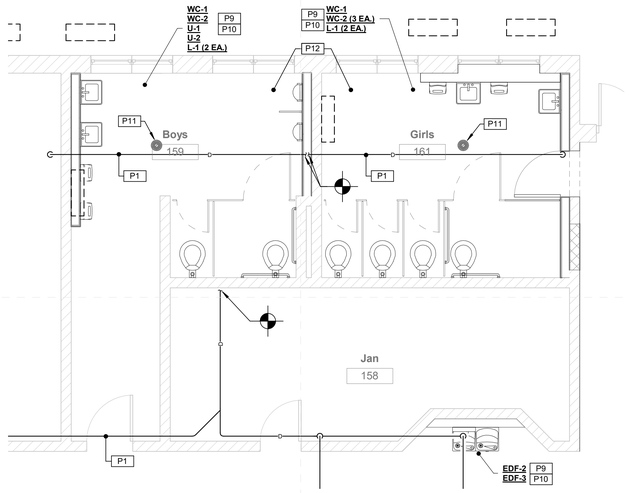


1 M-301d Lockard Elementary - Enlarged Plumbing Demo Plan (1)
1/4" = 1'-0"





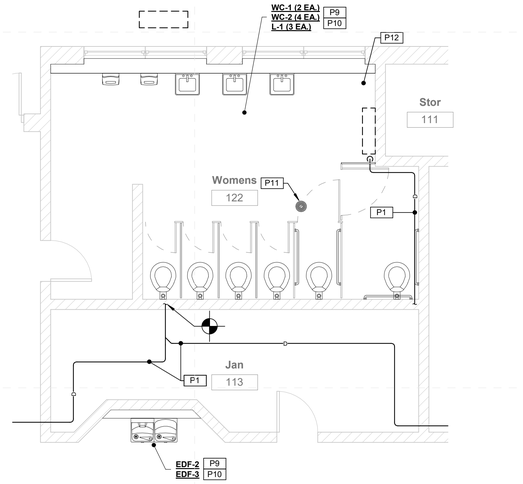
3 M-301d Lockard Elementary - Enlarged Plumbing Demo Plan (2)
1/4" = 1'-0"

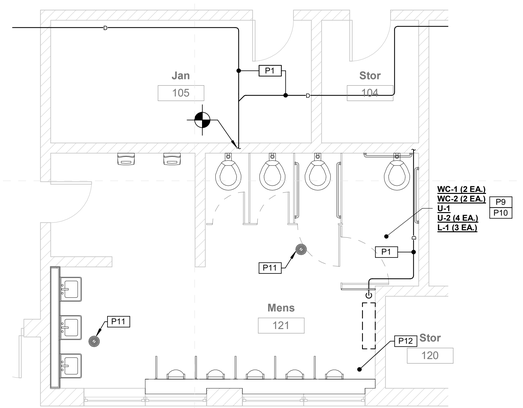


2 M-301d Lockard Elementary - Enlarged Plumbing New Work Plan (1)
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.

GENERAL PLUMBING NOTE:
SEE SHEET **M-000** FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.





4 M-301d Lockard Elementary - Enlarged Plumbing New Work Plan (2)
1/4" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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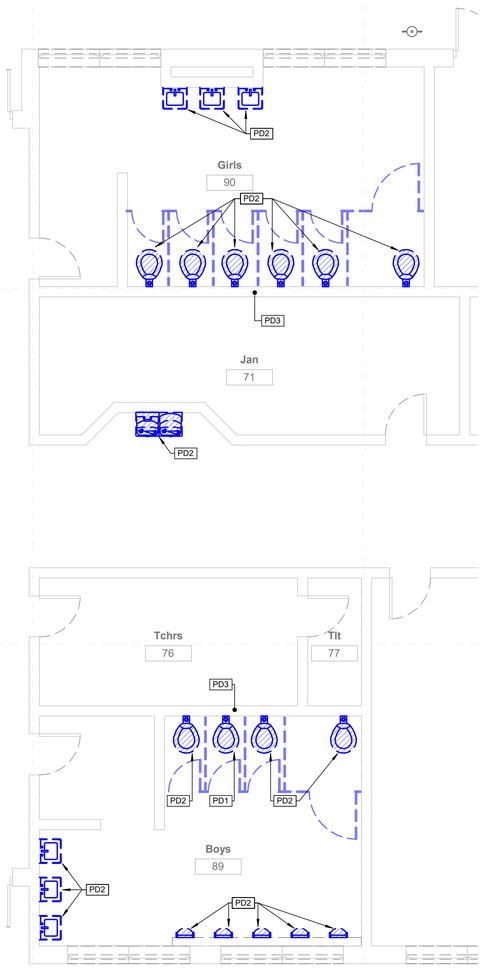
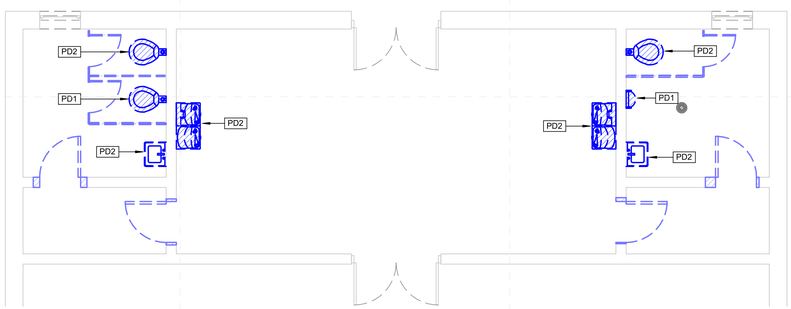
M-301d
Lockard Elementary - Enlarged Plumbing Plans

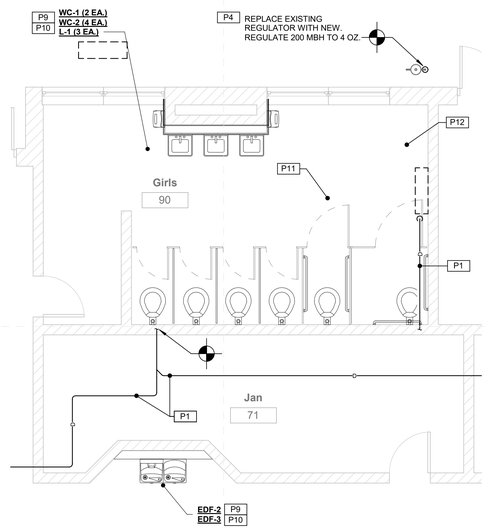
SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.

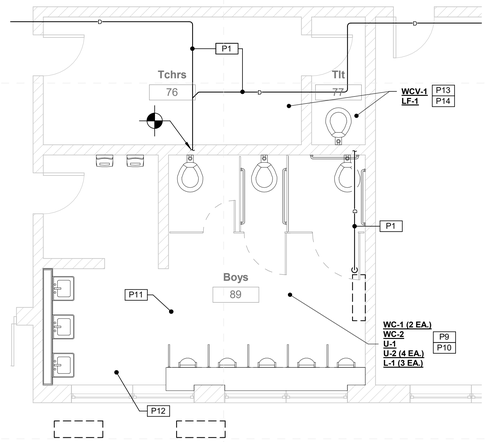


1 M-302d **Lockard Elementary - Enlarged Plumbing Demo Plan (3)**
1/4" = 1'-0"

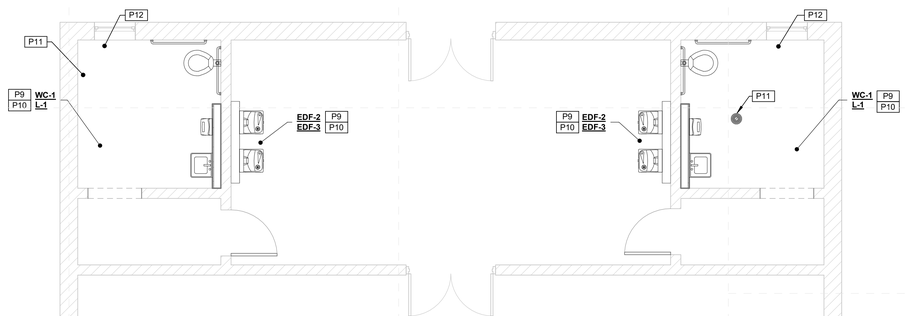


3 M-302d **Lockard Elementary - Enlarged Plumbing Demo Plan (4)**
1/4" = 1'-0"





2 M-302d **Lockard Elementary - Enlarged Plumbing New Work Plan (3)**
1/4" = 1'-0"



4 M-302d **Lockard Elementary - Enlarged Plumbing New Work Plan (4)**
1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P4	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

GENERAL PLUMBING NOTE:

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DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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p 228.374.1409

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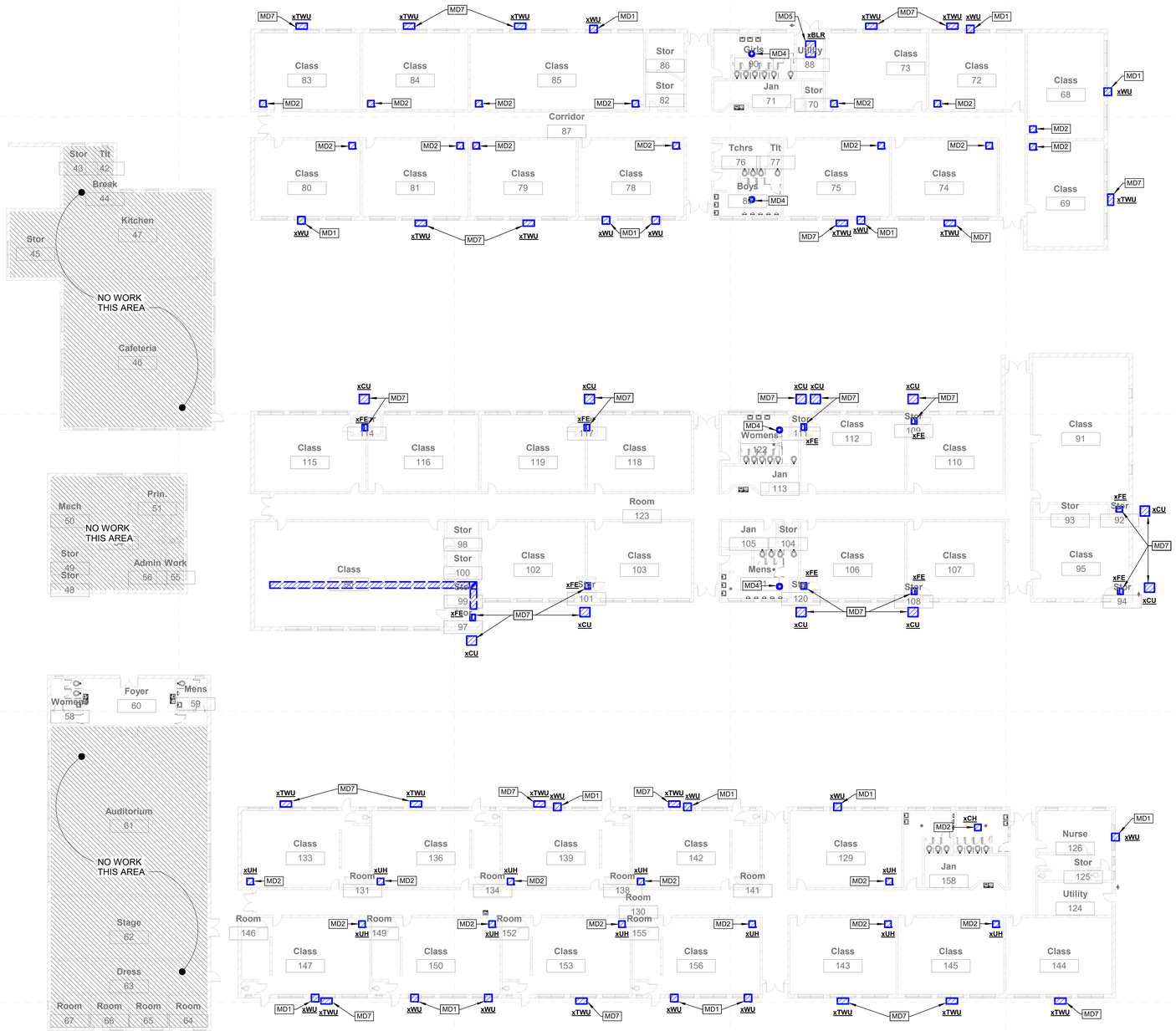
M-302d

Lockard Elementary - Enlarged Plumbing Plans

SPECIFIC HVAC DEMOLITION NOTES	
MD1	DEMOLISH EXISTING WINDOW UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR WINDOW/WALL INFILL.
MD2	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL WHERE APPLICABLE.
MD4	DEMOLISH EXISTING EXHAUST FAN AS INDICATED.
MD5	DEMOLISH EXISTING BOILER, PUMPS AND HEATING WATER PIPING AFTER NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
MD7	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.



1 MD001d Lockard Elementary - Overall Mechanical Demolition Plan

1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

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188 East Capitol Street
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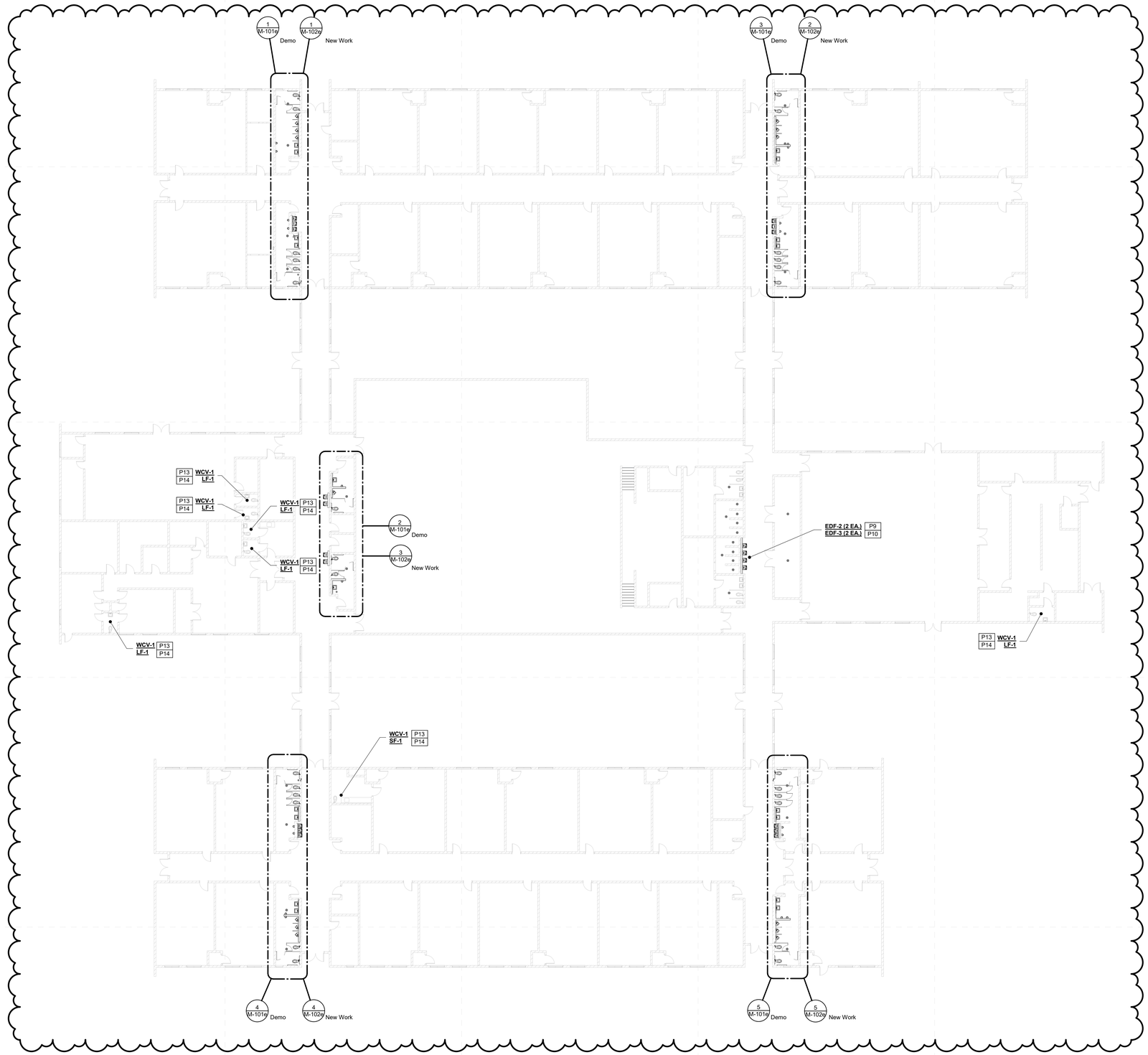
MD001d

Lockard Elementary - Overall Mechanical Demolition Plan

SPECIFIC PLUMBING NOTES	
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.



Merritt Middle - Overall Plumbing Plan

1 M-002e 1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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1	Date 1

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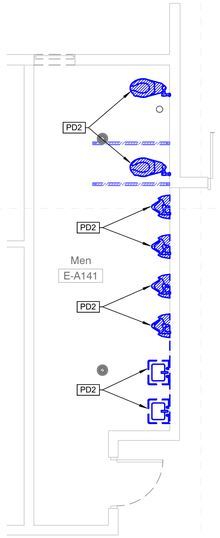
M-002e

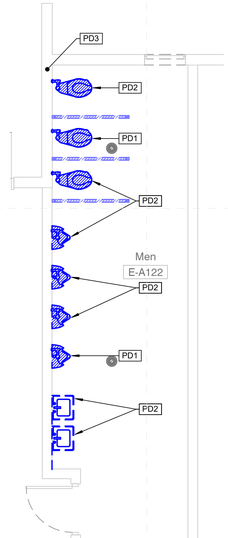
Merritt Middle - Overall Plumbing Plan

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.



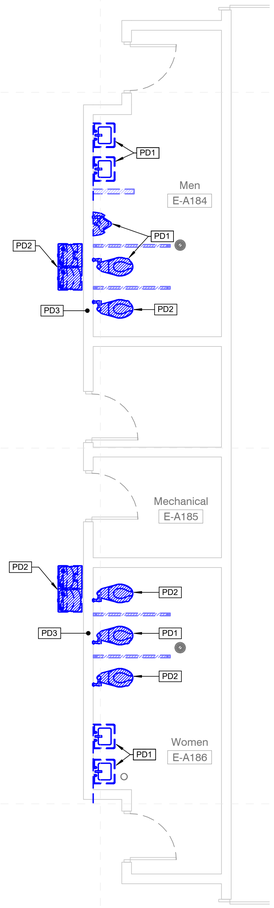
Merritt Middle - Enlarged Plumbing Demo Plan (1)

1 M-101e 1/4" = 1'-0"



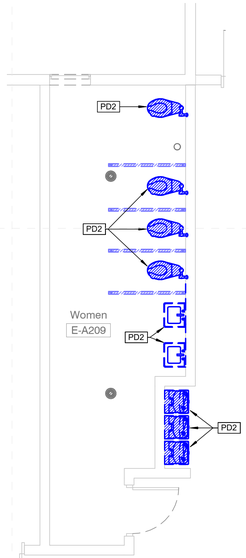
Merritt Middle - Enlarged Plumbing Demo Plan (2)

3 M-101e 1/4" = 1'-0"



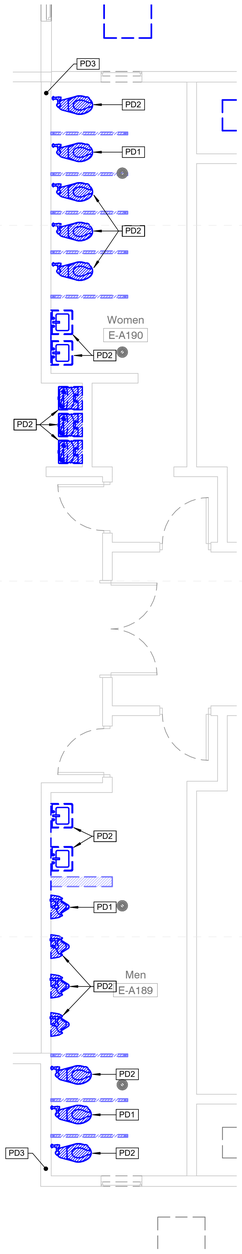
Merritt Middle - Enlarged Plumbing Demo Plan (3)

2 M-101e 1/4" = 1'-0"



Merritt Middle - Enlarged Plumbing Demo Plan (4)

4 M-101e 1/4" = 1'-0"



Merritt Middle - Enlarged Plumbing Demo Plan (5)

5 M-101e 1/4" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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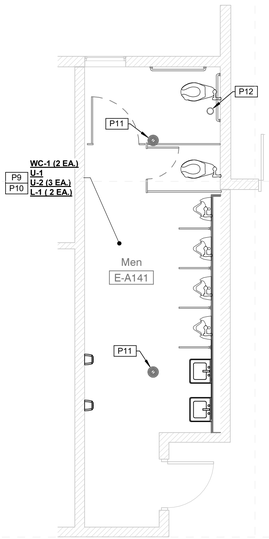
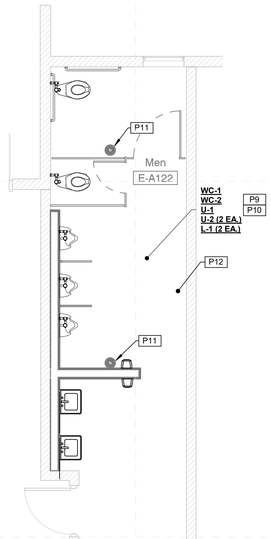
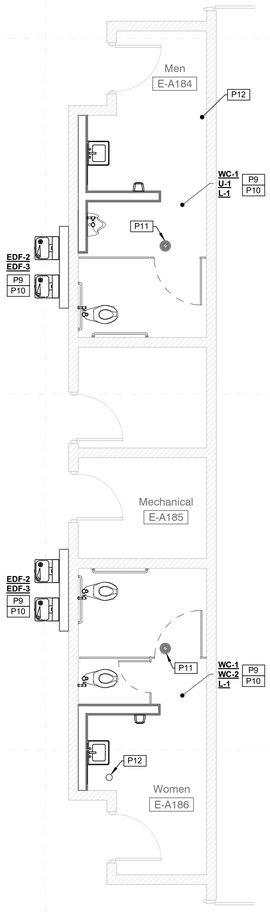
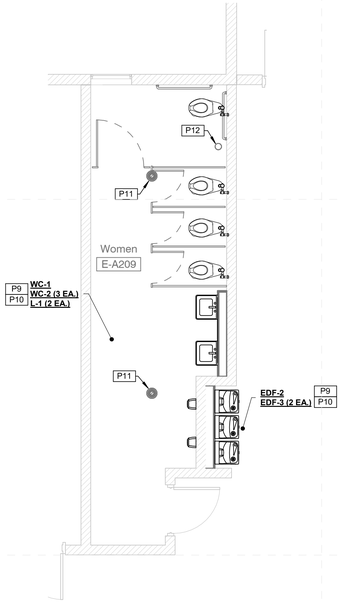
Merritt Middle - Enlarged Plumbing Plans

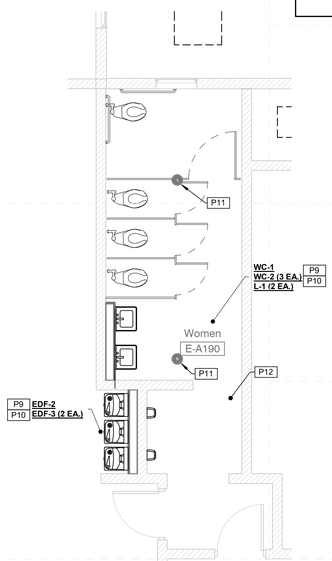
SPECIFIC PLUMBING NOTES	
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.

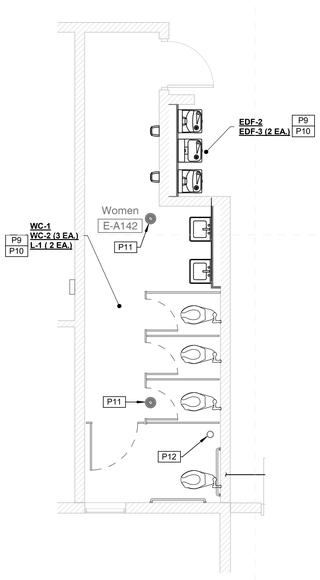


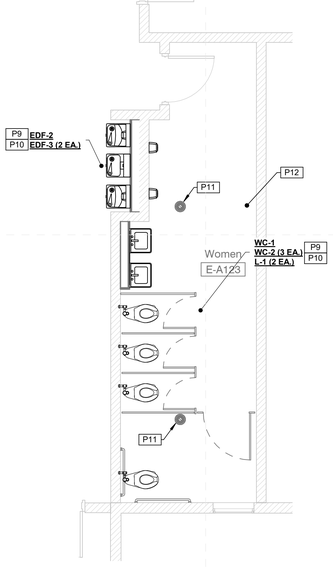


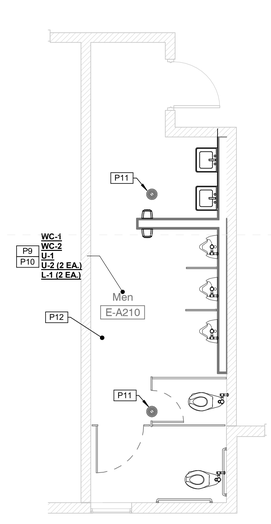


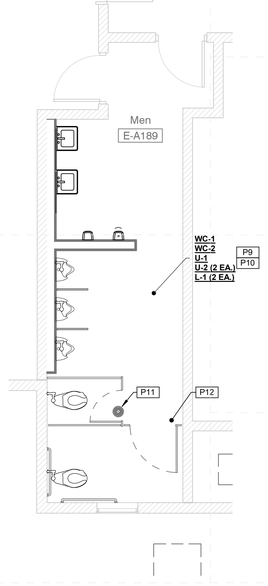












Merritt Middle - Enlarged Plumbing New Work Plan (1)
1 M-102e 1/4" = 1'-0"

Merritt Middle - Enlarged Plumbing New Work Plan (2)
2 M-102e 1/4" = 1'-0"

Merritt Middle - Enlarged Plumbing New Work Plan (3)
3 M-102e 1/4" = 1'-0"

Merritt Middle - Enlarged Plumbing New Work Plan (4)
4 M-102e 1/4" = 1'-0"

Merritt Middle - Enlarged Plumbing New Work Plan (5)
5 M-102e 1/4" = 1'-0"

GENERAL PLUMBING NOTE:
SEE SHEET M-000 FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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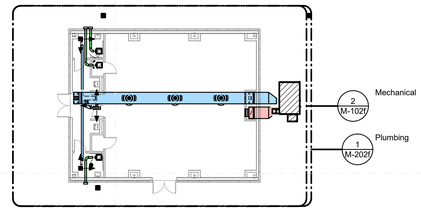
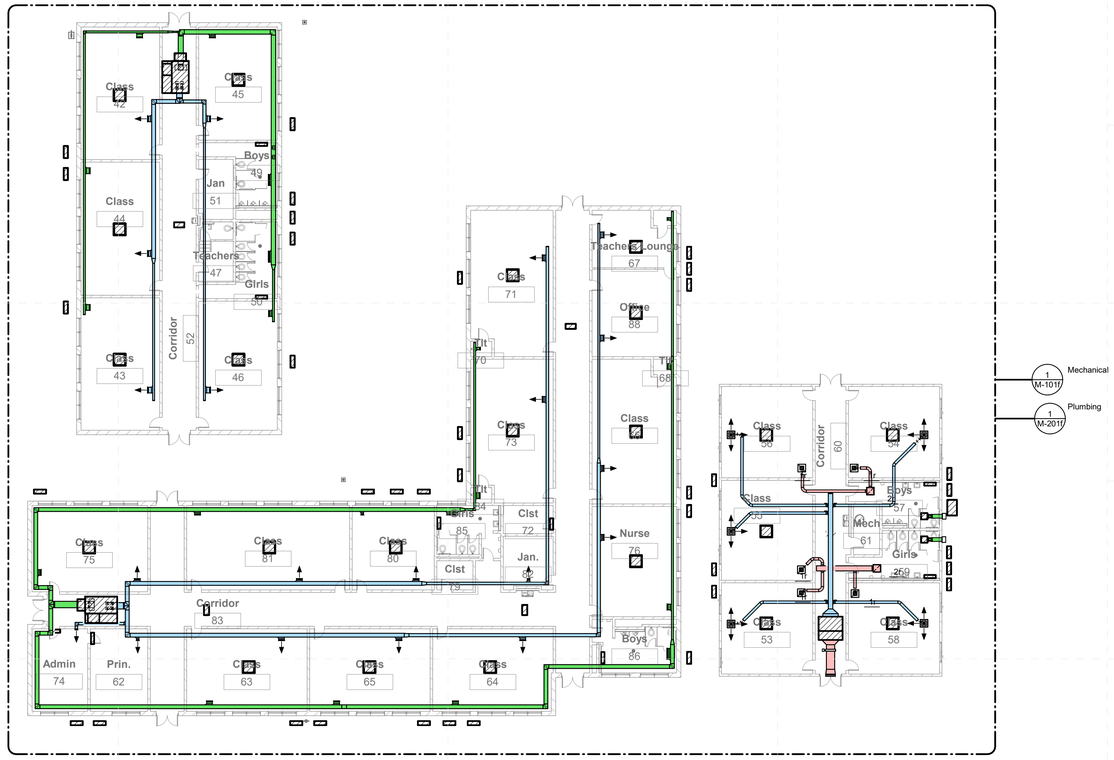
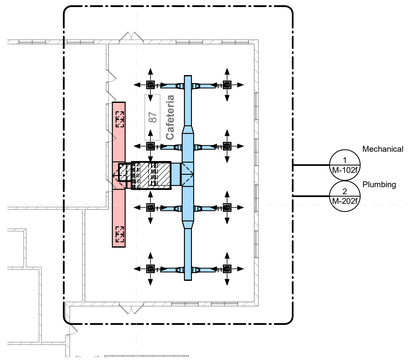
M-102e

Merritt Middle - Enlarged Plumbing Plans







1 M-001f Ruleville Elementary - Overall Mechanical Plan

1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
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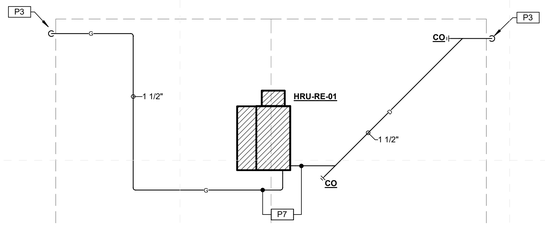
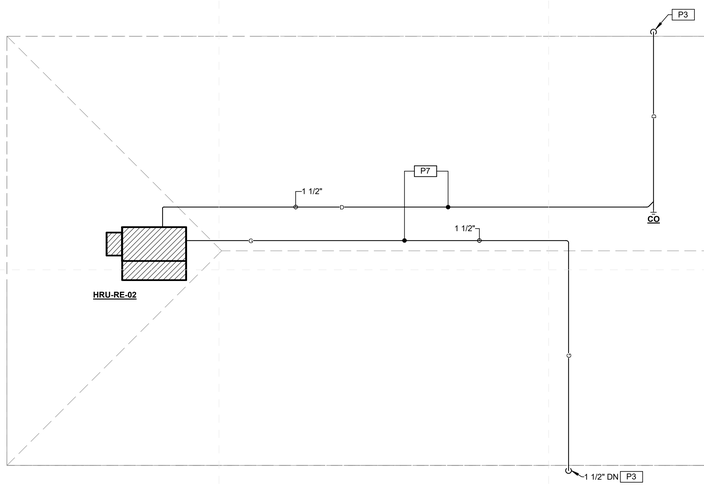
M-001f

Ruleville Elementary - Overall Mechanical Plan

SPECIFIC PLUMBING NOTES	
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P7	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.





1 M-002f **Ruleville Elementary - Mechanical Roof Plan**
1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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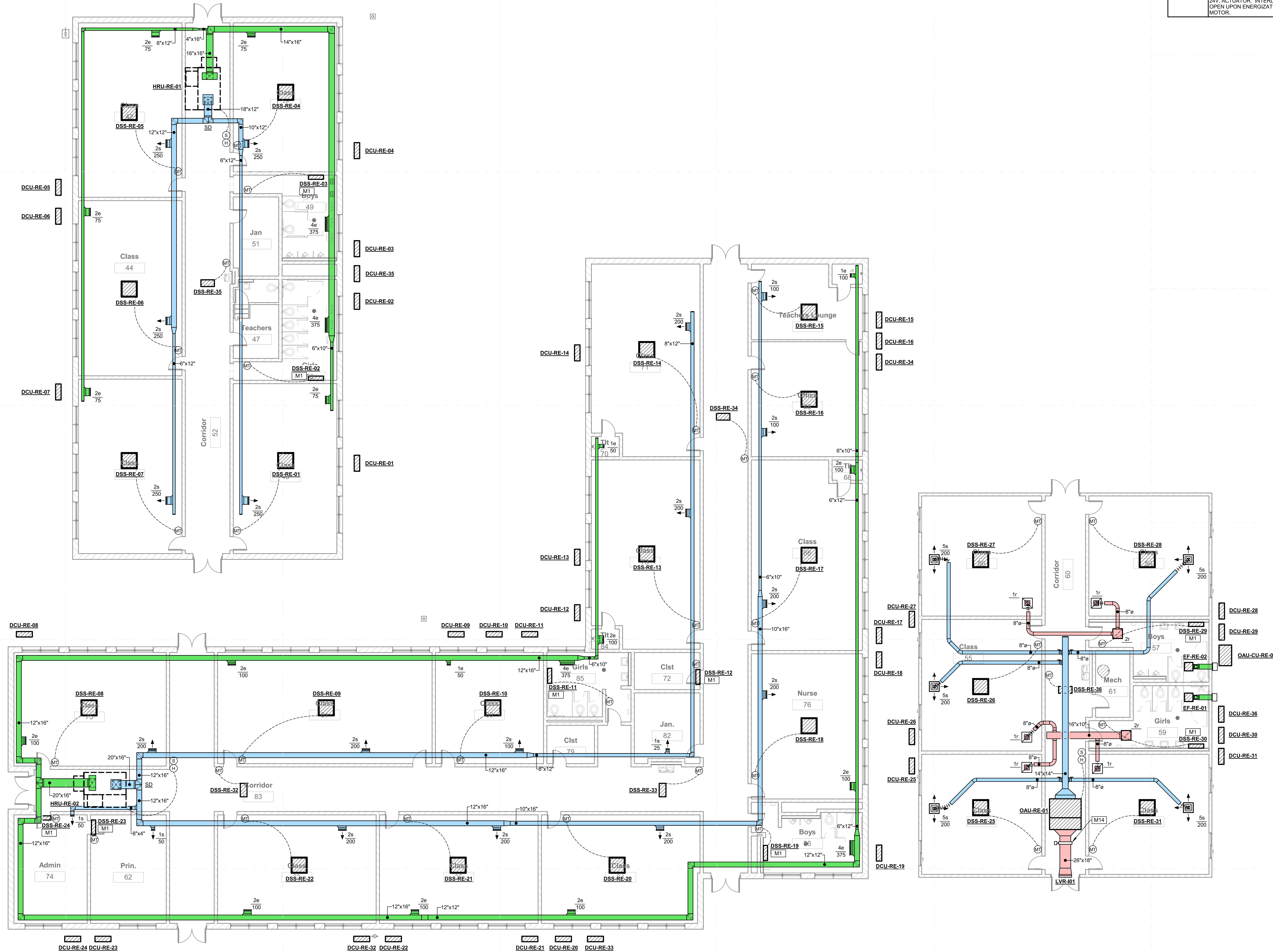
M-002f

Ruleville Elementary - Mechanical Roof Plan

SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.
M14	TYPICAL TWO-POSITION MOTORIZED DAMPER WITH 24V. ACTUATOR. INTERLOCK DAMPER ACTUATOR TO OPEN UPON ENERGIZATION OF OUTSIDE AIR UNIT MOTOR.



Ruleville Elementary - Partial Mechanical Plan (1)

1/8" = 1'-0"

1 M-101f

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AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
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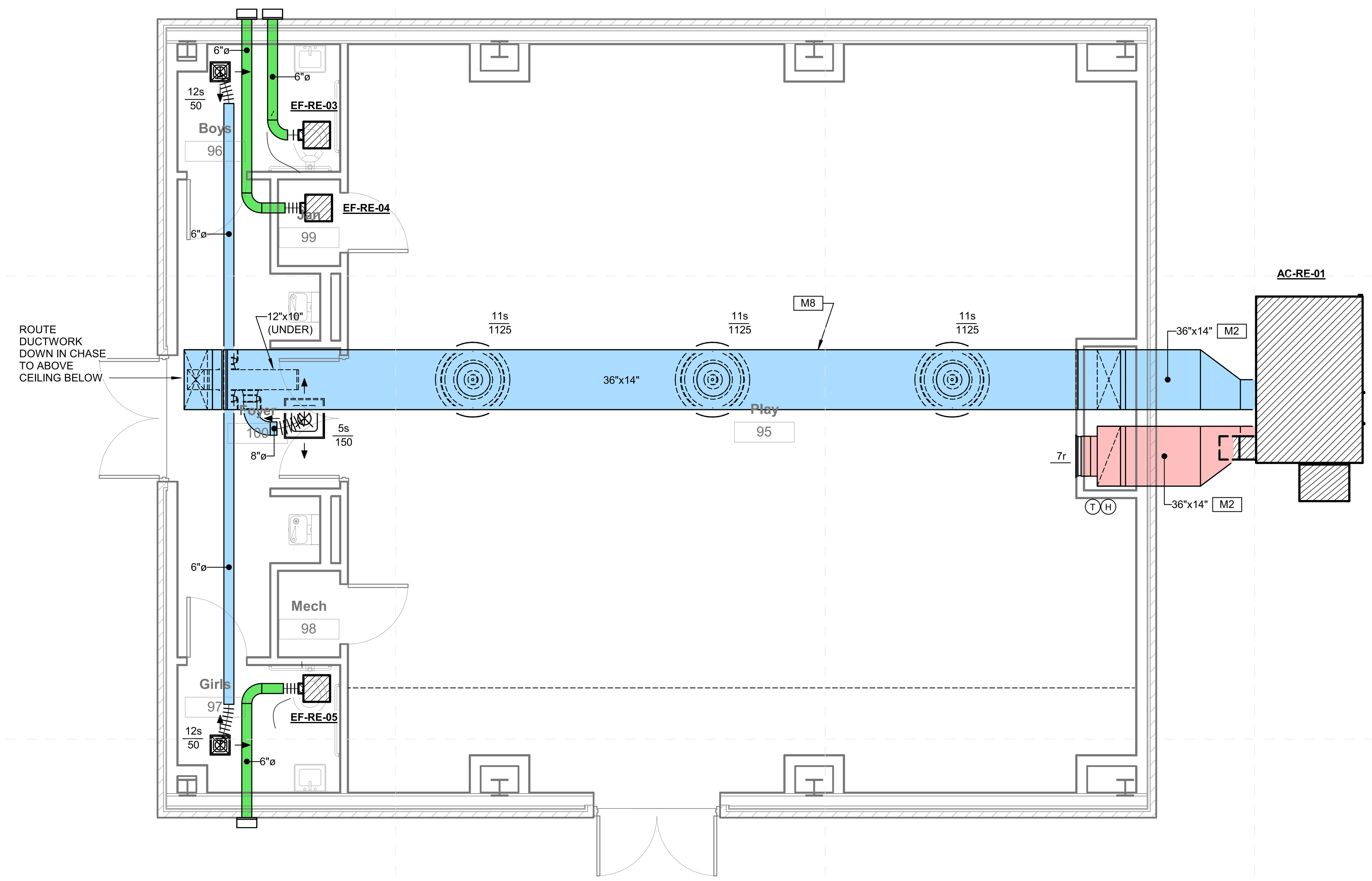
M-101f

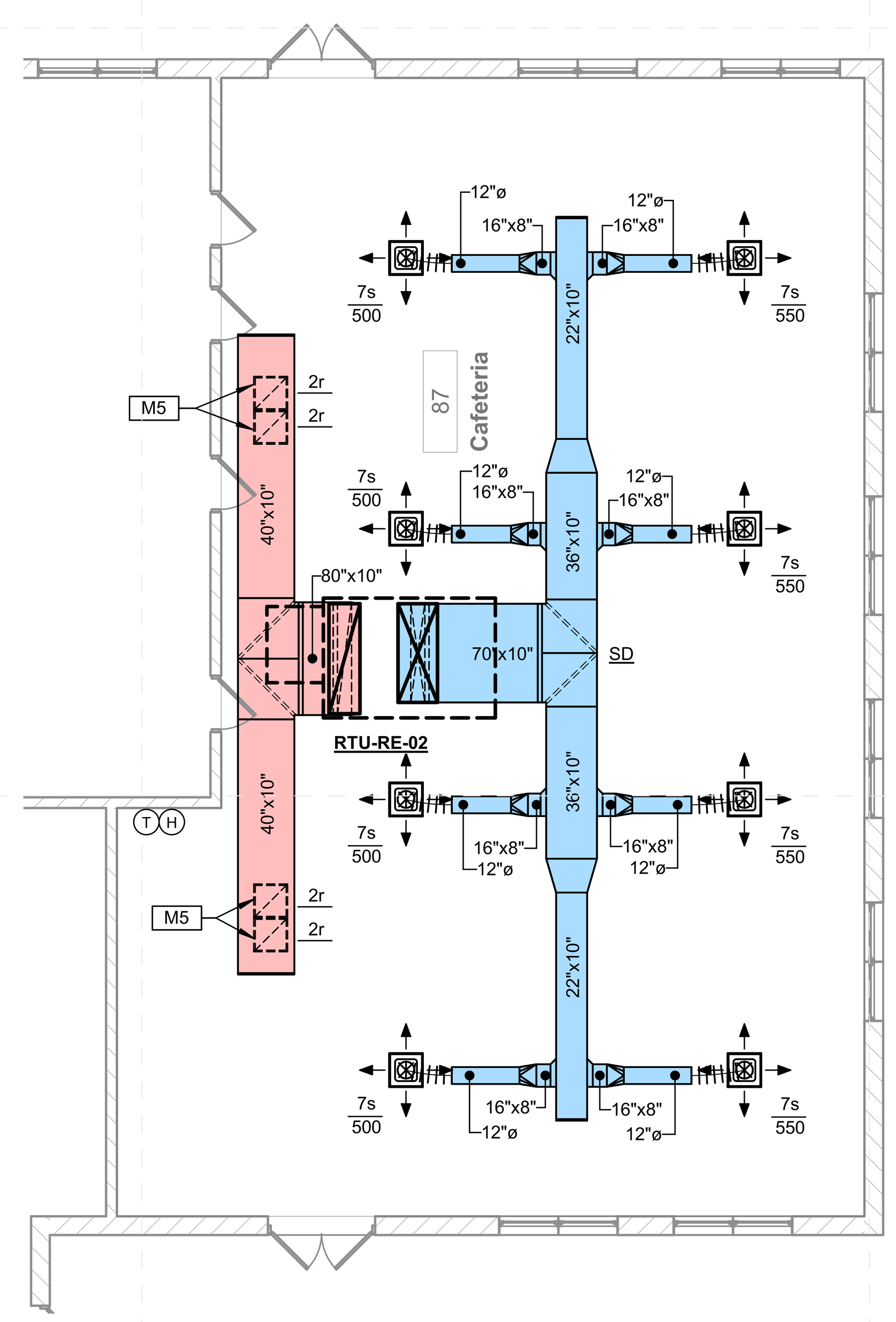
Ruleville Elementary - Partial Mechanical Plans

SPECIFIC HVAC NOTES

M2	OUTDOOR DUCTWORK. SEE GENERAL HVAC NOTES FOR DETAILED REQUIREMENTS.
M5	FULL NECK SIZE ACOUSTICALLY LINED PLENUM ATOP AIR DISTRIBUTION DEVICE.
M8	TYPICAL INTERNALLY LINED EXPOSED RECTANGULAR DUCTWORK ROUTED PARALLEL TO ROOF SLOPE HIGH NEAR BOTTOM OF STRUCTURE AS INDICATED. PRIME AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED/APPROVED BY ARCHITECT.



Ruleville Elementary - Partial Mechanical Plan (3)
2 M-102f 1/4" = 1'-0"



Ruleville Elementary - Partial Mechanical Plan (2)
1 M-102f 1/8" = 1'-0"

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AN ASSOCIATION
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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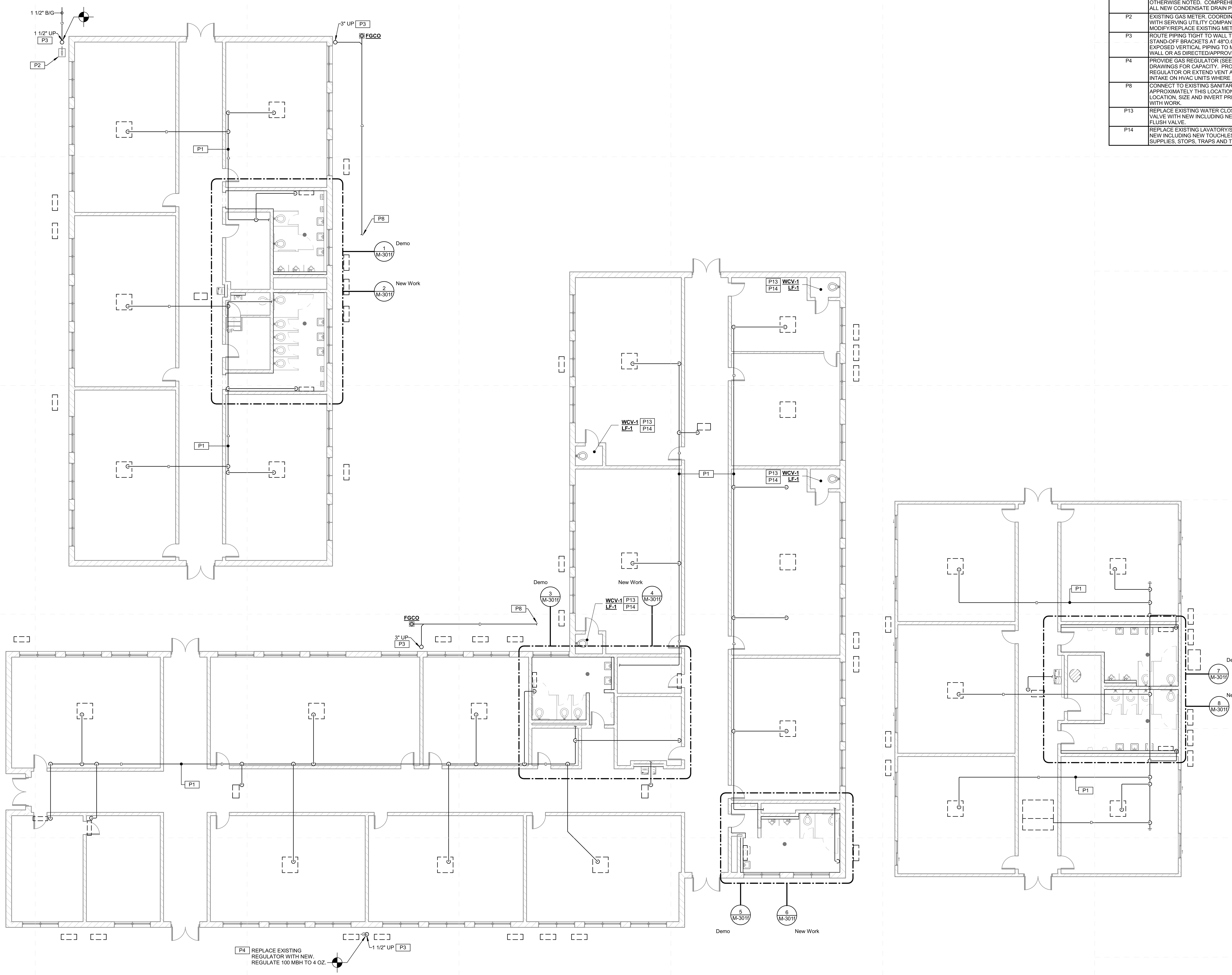
M-102f

Ruleville Elementary - Partial Mechanical Plans

SPECIFIC PLUMBING NOTES

P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P2	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P4	PROVIDE GAS REGULATOR (SEE DETAIL). SEE DRAWINGS FOR CAPACITY. PROVIDE VENTLESS REGULATOR OR EXTEND VENT AWAY FROM O/A INTAKE ON HVAC UNITS WHERE APPLICABLE.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.



1 M-201f **Ruleville Elementary - Partial Plumbing Plan (1)**
1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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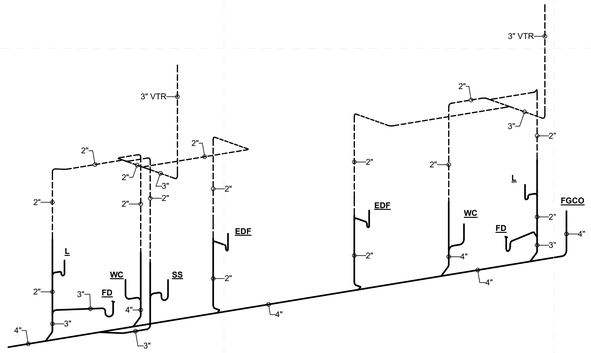
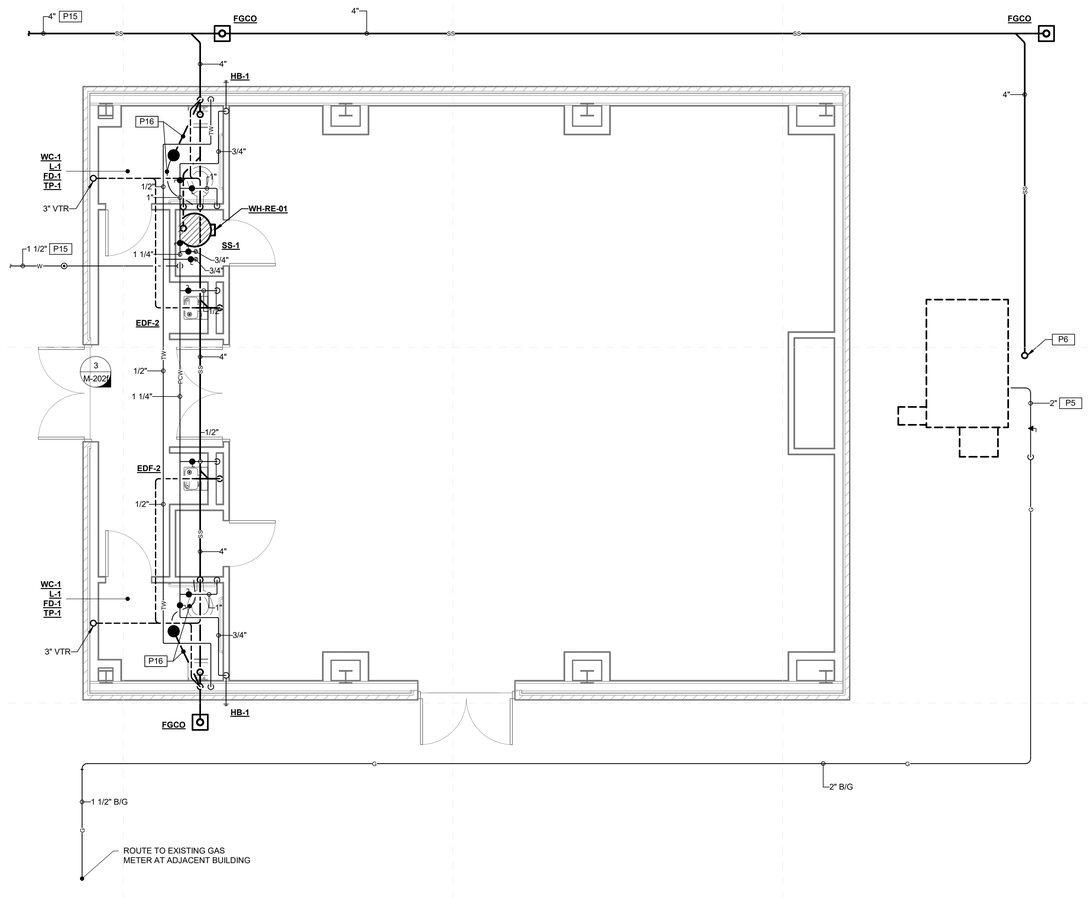
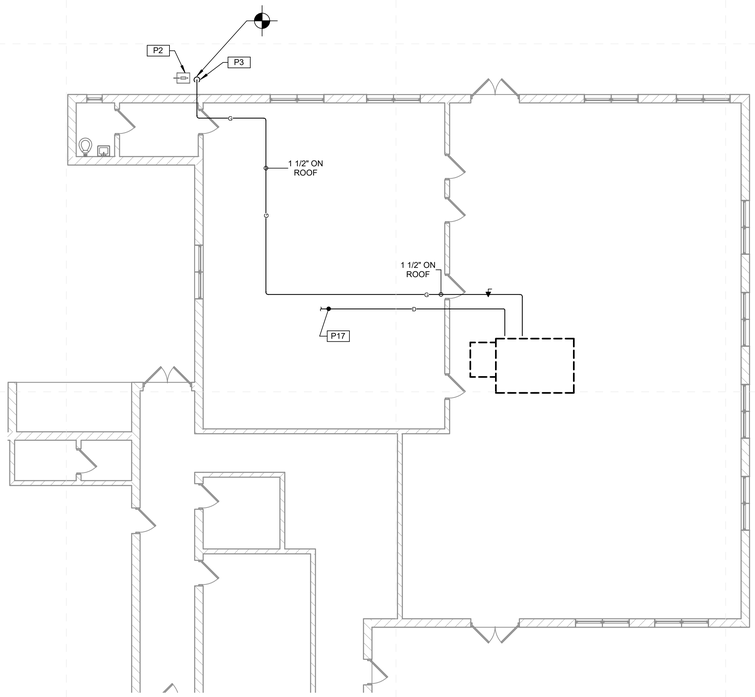
Ruleville Elementary - Partial Plumbing Plan



3 M-202f **Plumbing Riser - Ruleville Elem (1)**



1 M-202f **Ruleville Elementary - Partial Plumbing Plan (2)**
1/4" = 1'-0"



2 M-202f **Ruleville Elementary - Partial Plumbing Plan (3)**
1/8" = 1'-0"

SPECIFIC PLUMBING NOTES

P2	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P5	ROUTE NEW GAS PIPING ATOP UNISTRUT SUPPORTS ATOP NEW EQUIPMENT CONCRETE PAD.
P6	TYPICAL TRAPPED HUB DRAIN (SIZE AS INDICATED) FOR PAD MOUNTED PACKAGE UNIT CONDENSATE DRAIN. SEE DETAIL FOR CLARITY. TRAP MAY BE OMITTED WHEN CONNECTING TO STORM DRAINAGE.
P15	TYPICAL SERVICE PIPING BELOW GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION.
P16	1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.
P17	ROUTE NEW CONDENSATE DRAIN PIPING FROM ROOFTOP EQUIPMENT TO EXISTING VENT THROUGH ROOF AND WITH ELBOW TURNED DOWN.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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p 601.790.9432

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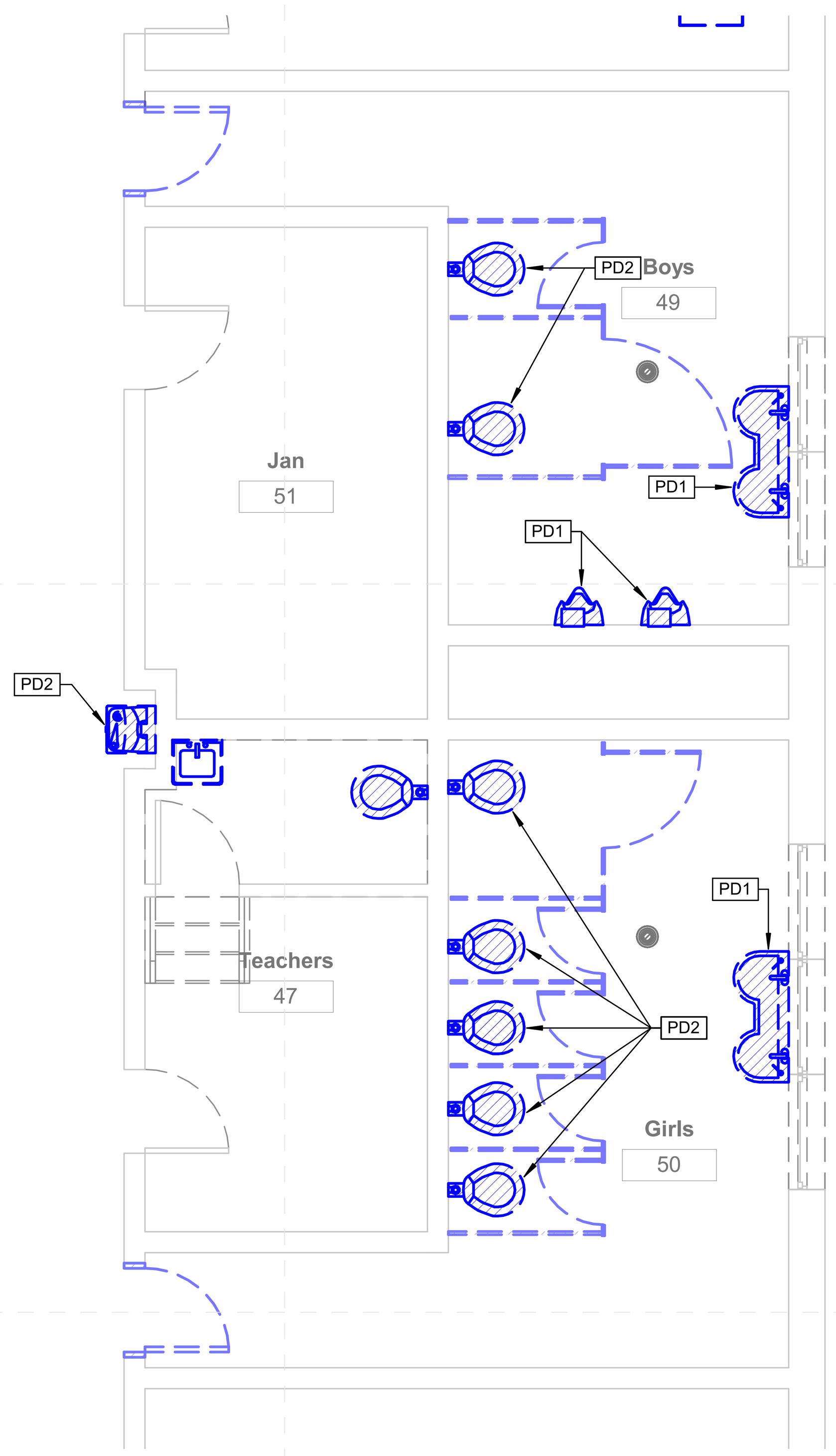
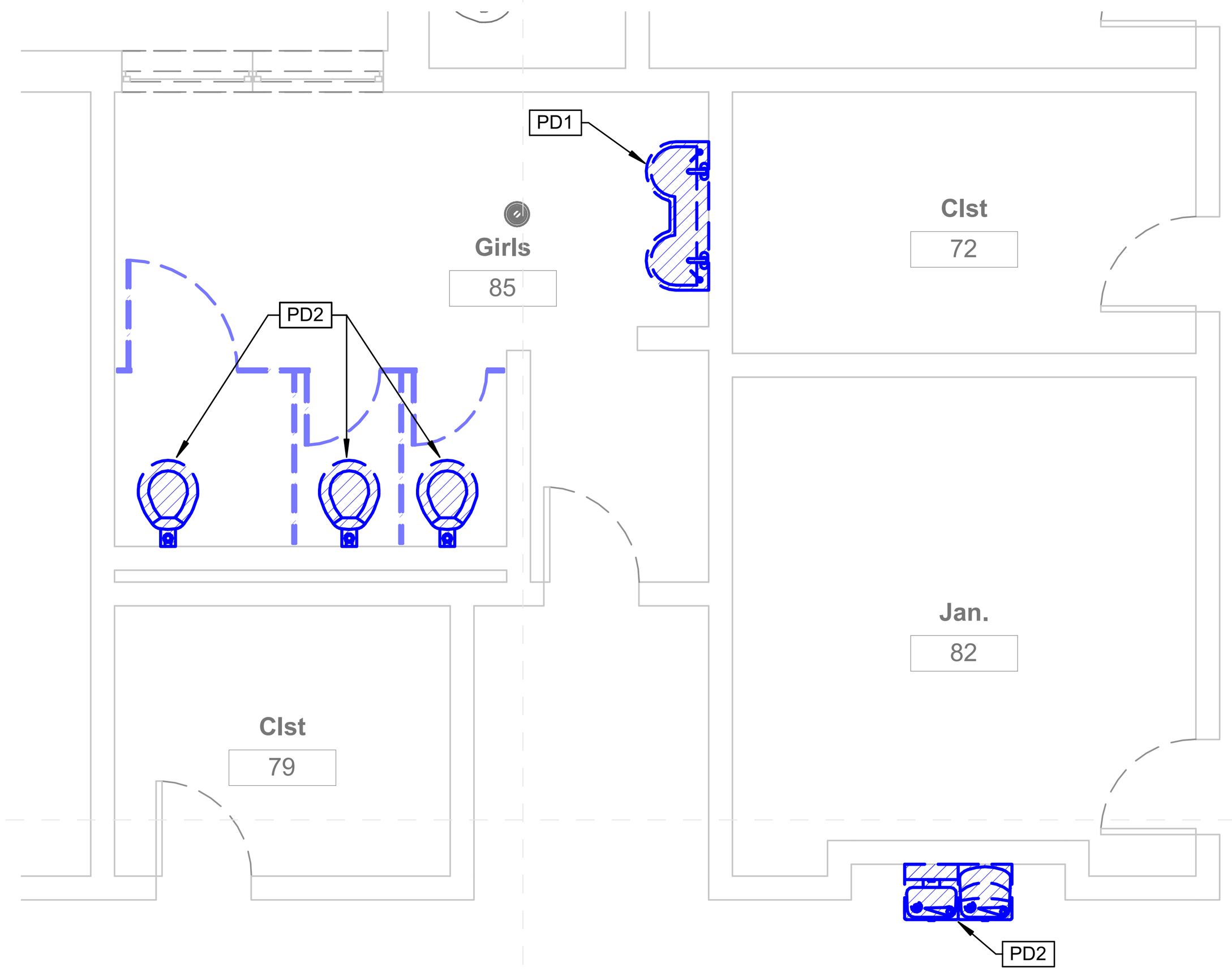
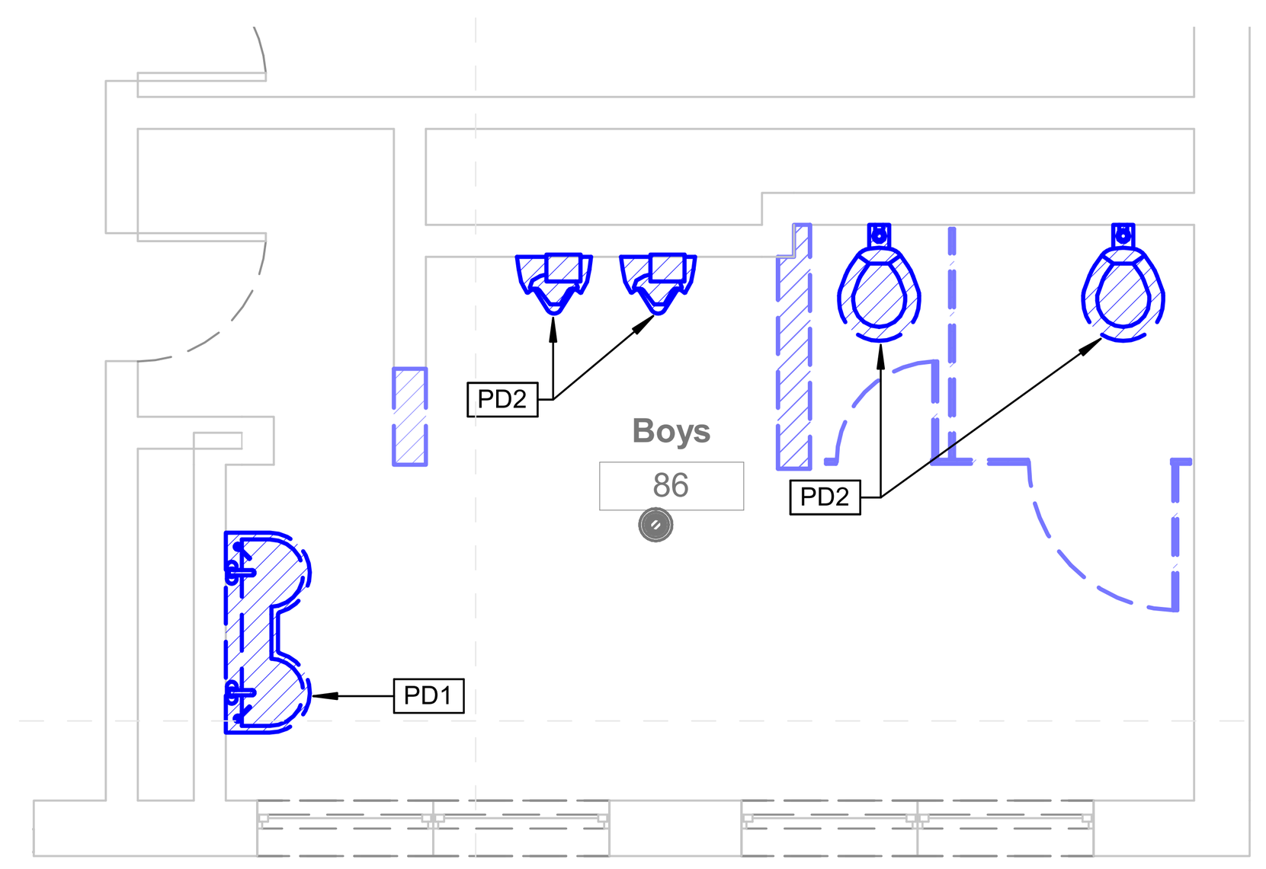
M-202f
Ruleville Elementary - Partial Plumbing Plan



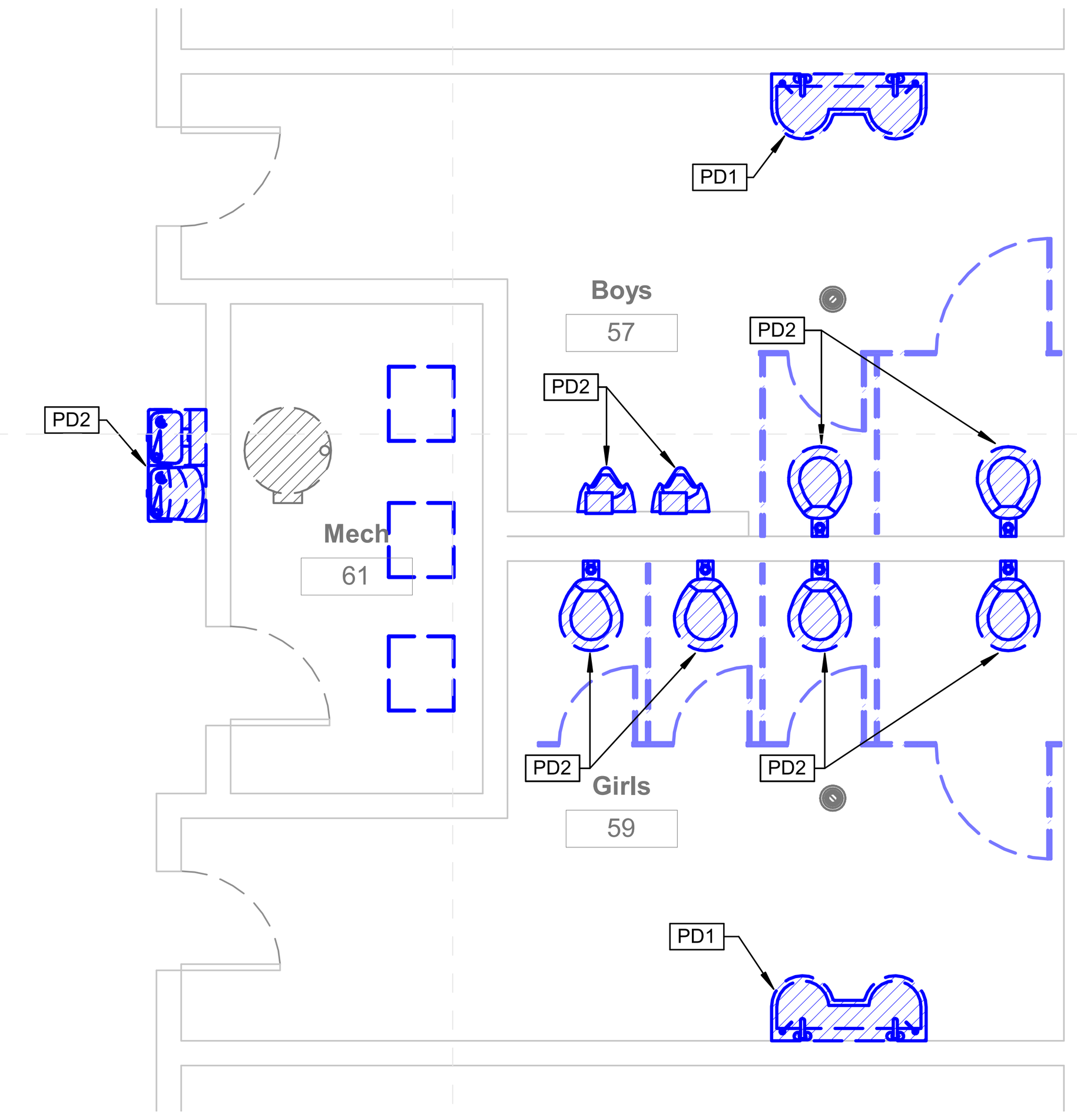
Ruleville Elementary - Enlarged Plumbing Demo Plan (1)
1 M-301f 1/4" = 1'-0"



Ruleville Elementary - Enlarged Plumbing Demo Plan (2)
3 M-301f 1/4" = 1'-0"



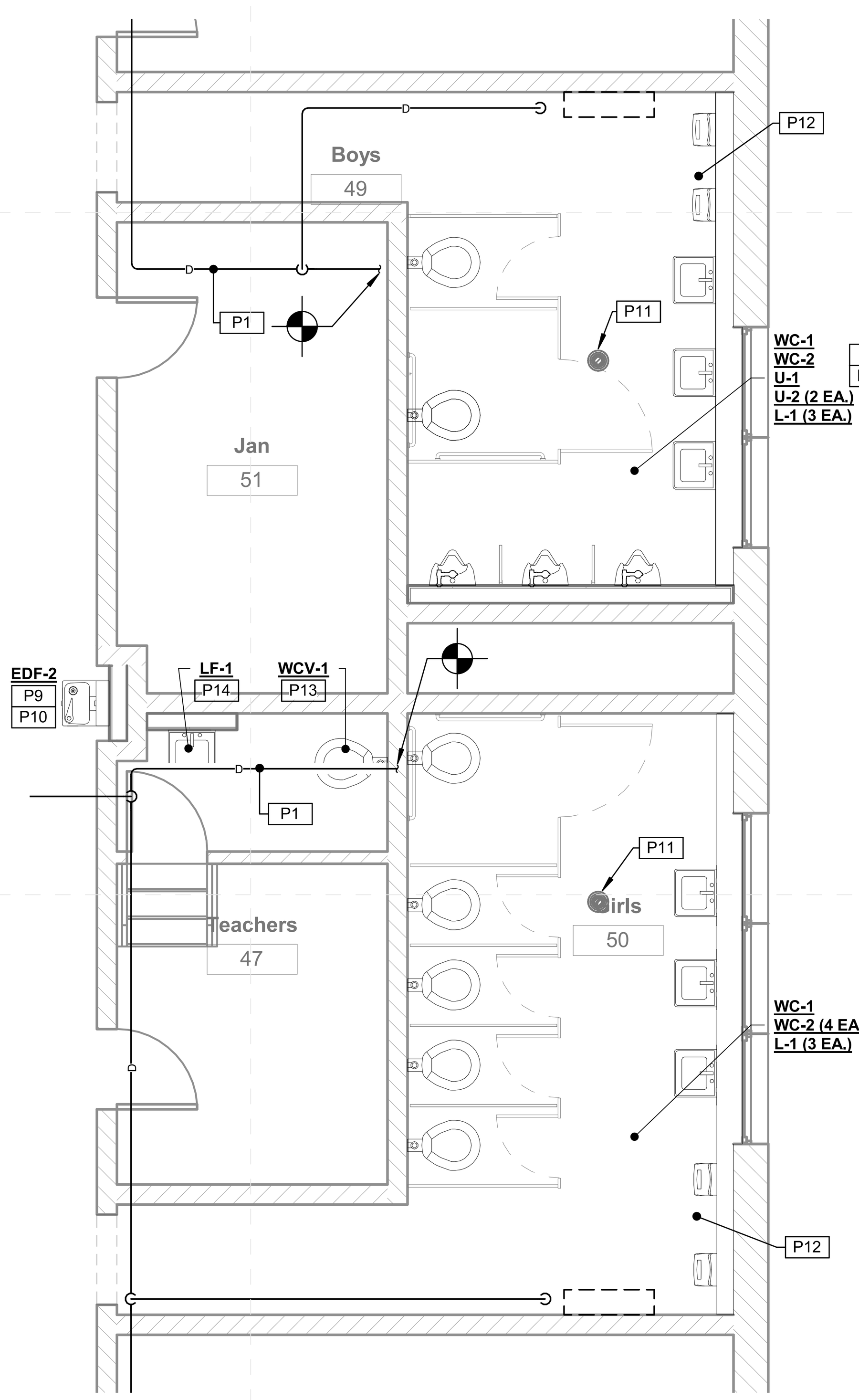
Ruleville Elementary - Enlarged Plumbing Demo Plan (3)
5 M-301f 1/4" = 1'-0"



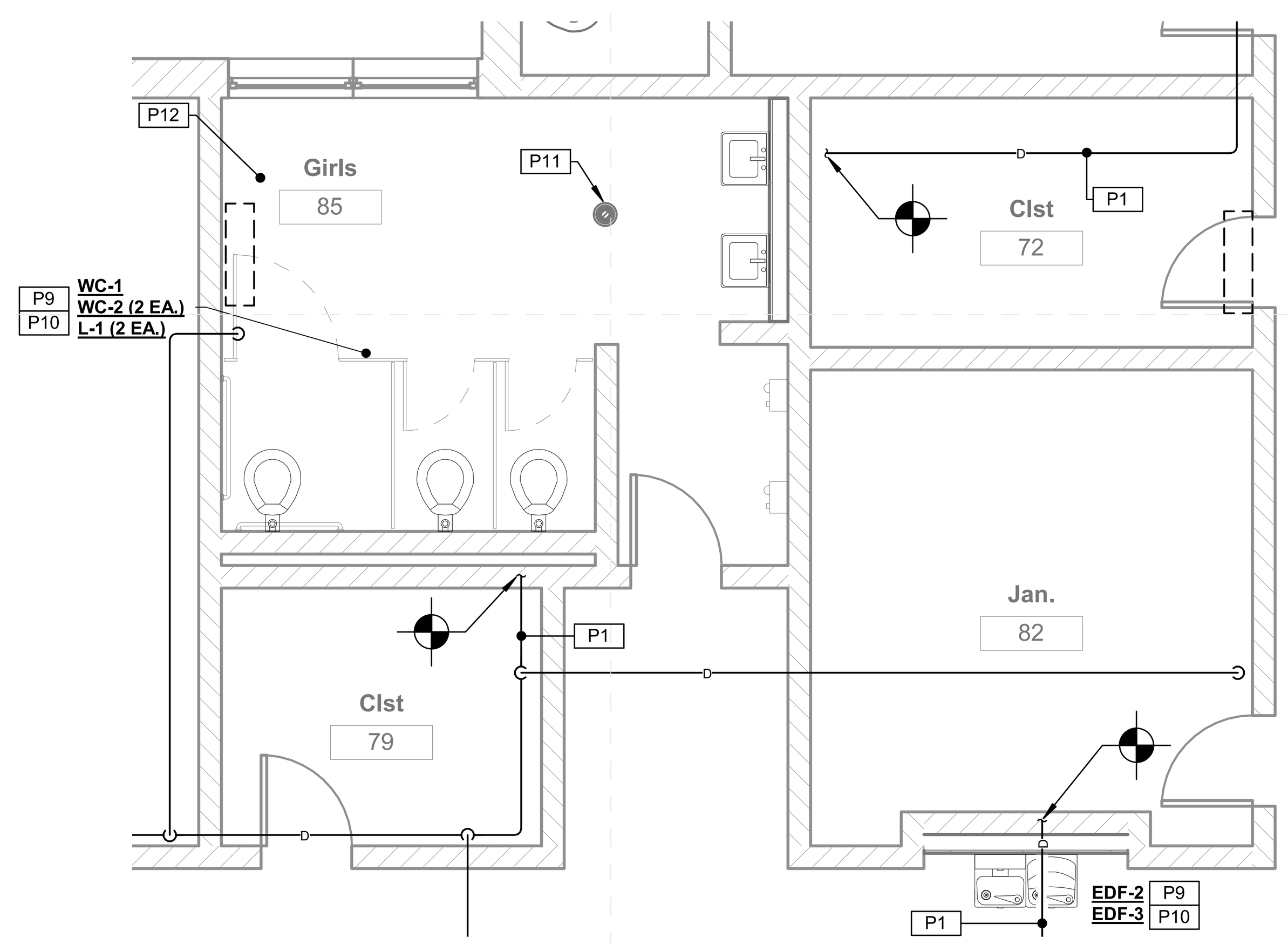
Ruleville Elementary - Enlarged Plumbing Demo Plan (4)
7 M-301f 1/4" = 1'-0"

SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.

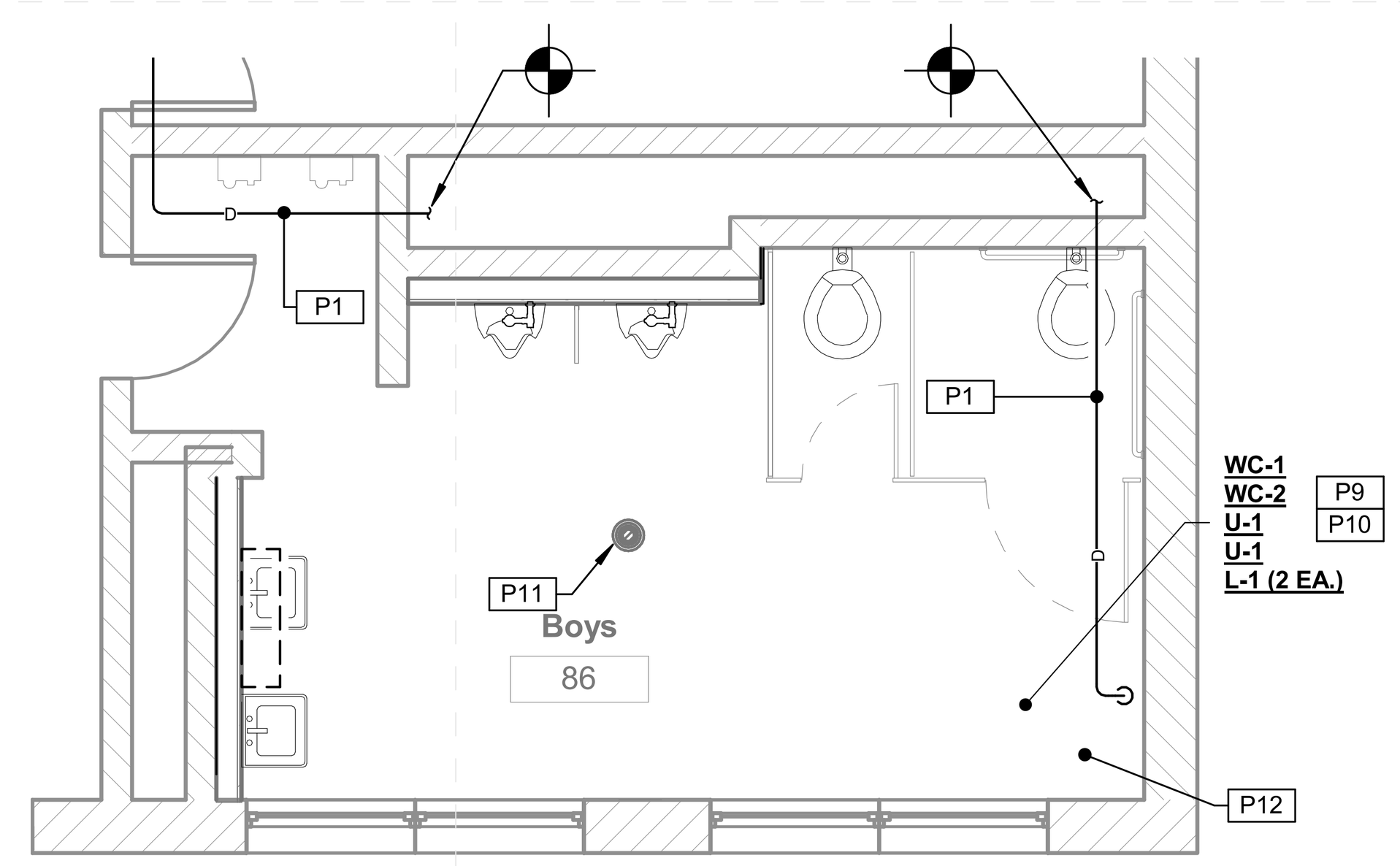
GENERAL PLUMBING NOTE:
SEE SHEET M-000 FOR GENERAL PLUMBING DEMOLITION AND PLUMBING RENOVATION NOTES.



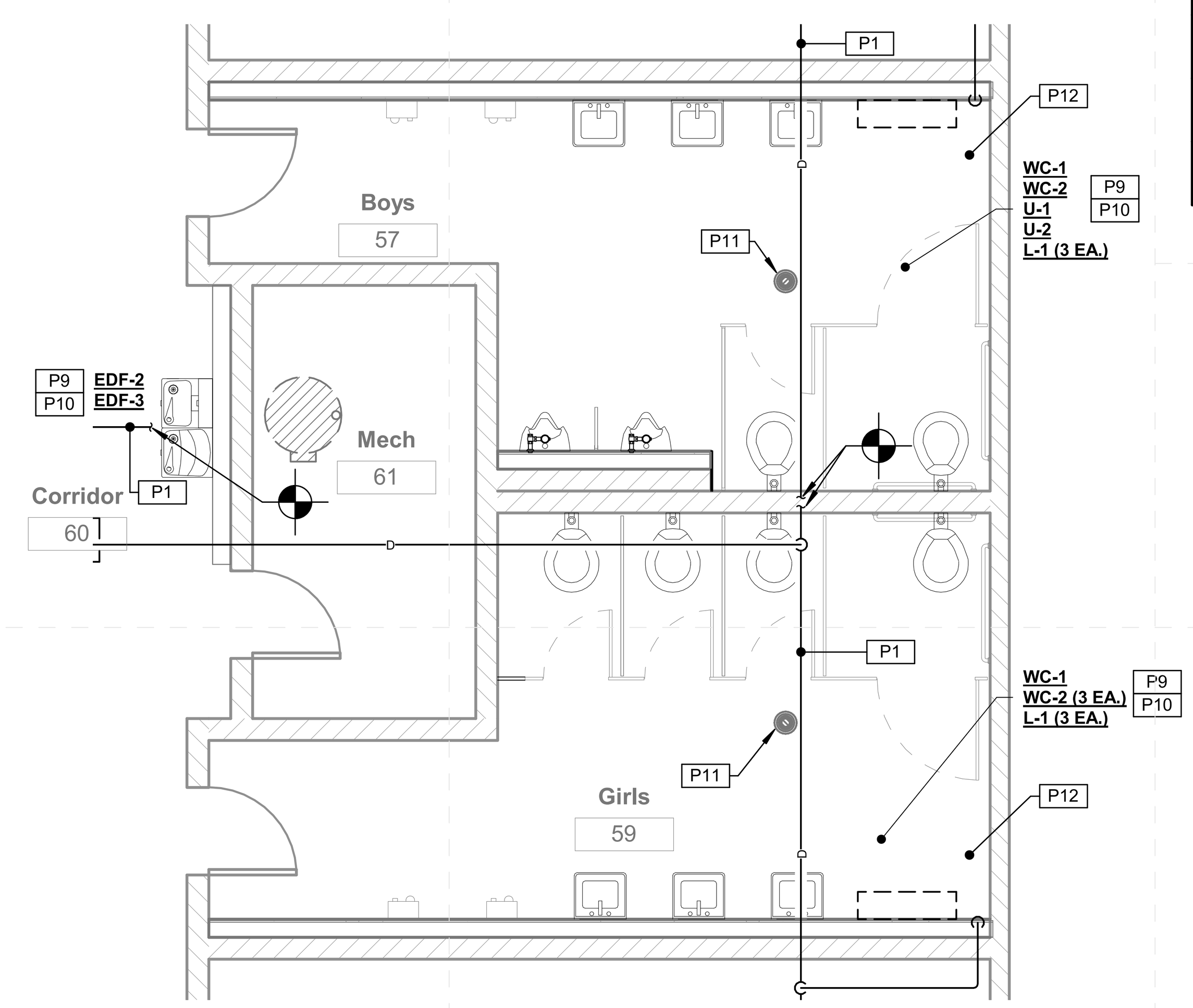
Ruleville Elementary - Enlarged Plumbing New Work Plan (1)
2 M-301f 1/4" = 1'-0"



Ruleville Elementary - Enlarged Plumbing New Work Plan (2)
4 M-301f 1/4" = 1'-0"



Ruleville Elementary - Enlarged Plumbing New Work Plan (3)
6 M-301f 1/4" = 1'-0"



Ruleville Elementary - Enlarged Plumbing New Work Plan (4)
8 M-301f 1/4" = 1'-0"

SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
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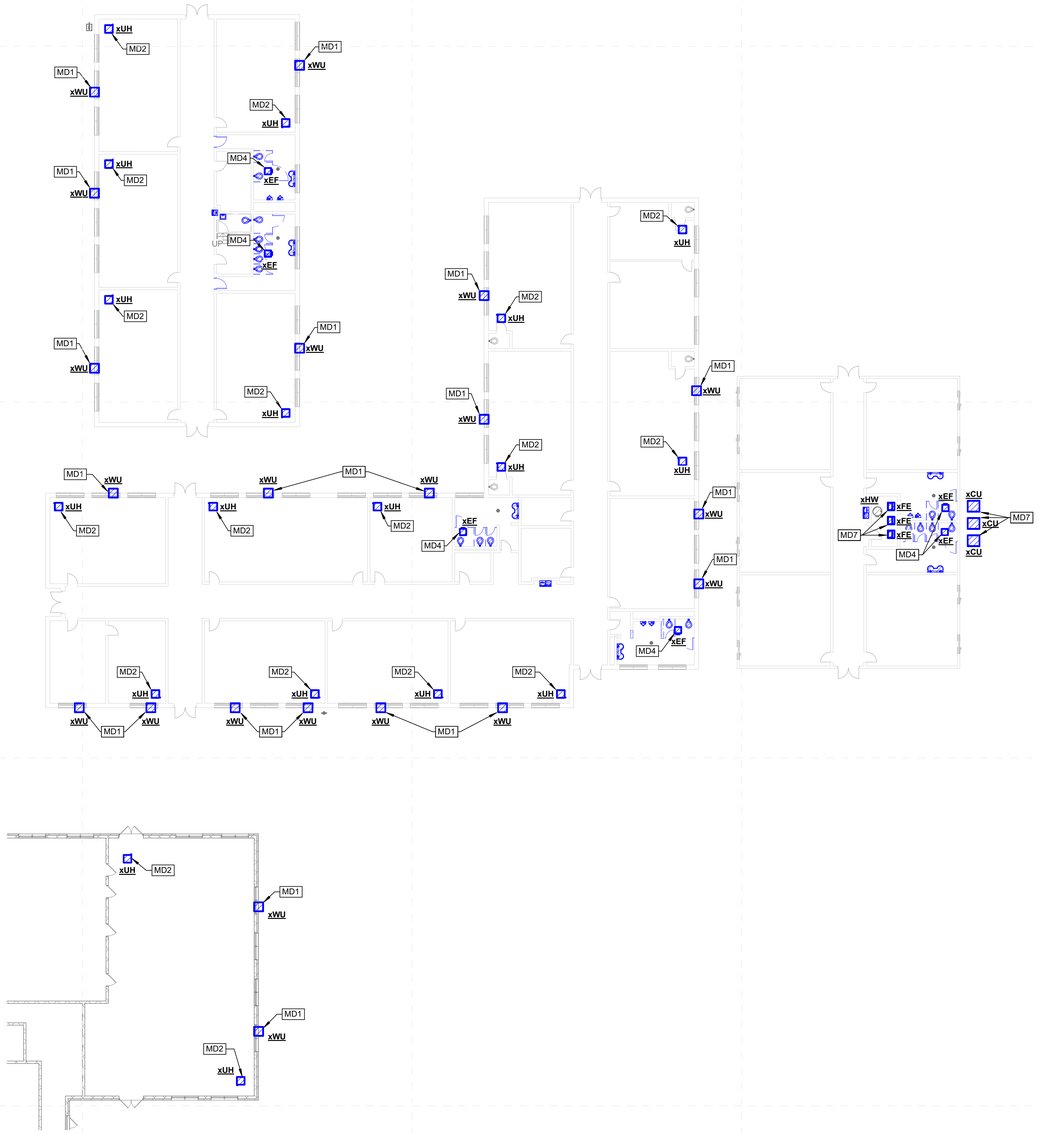
Ruleville Elementary - Enlarged Plumbing Plans

SPECIFIC HVAC DEMOLITION NOTES	
MD1	DEMOLISH EXISTING WINDOW UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR WINDOW/WALL INFILL.
MD2	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL WHERE APPLICABLE.
MD4	DEMOLISH EXISTING EXHAUST FAN AS INDICATED.
MD7	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.



1 MD001f Ruleville Elementary - Overall Mechanical Demolition Plan

1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM FRANKS
REGISTERED PROFESSIONAL ENGINEER
15555
2/2/22
STATE OF MISSISSIPPI

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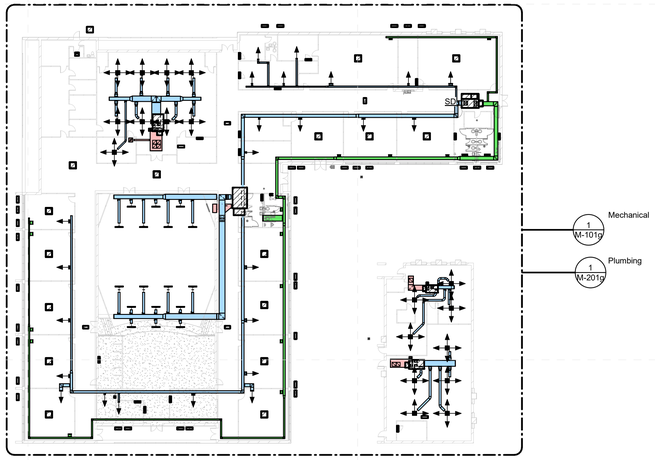
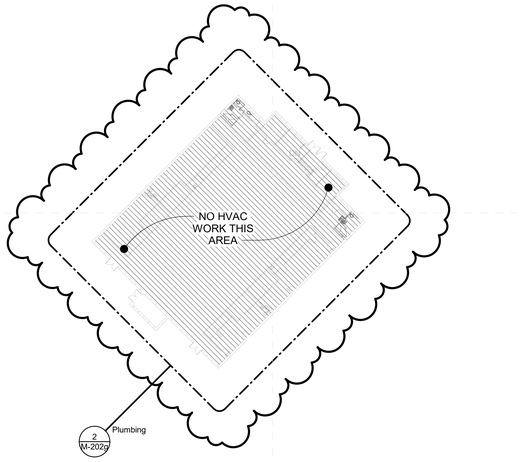
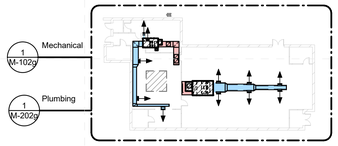
MD001f

Ruleville Elementary - Overall Mechanical Demolition Plan







1 M-001g **Ruleville Middle - Overall Mechanical Plan**

1" = 30'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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p 228.374.1409

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Revisions	Rev Date
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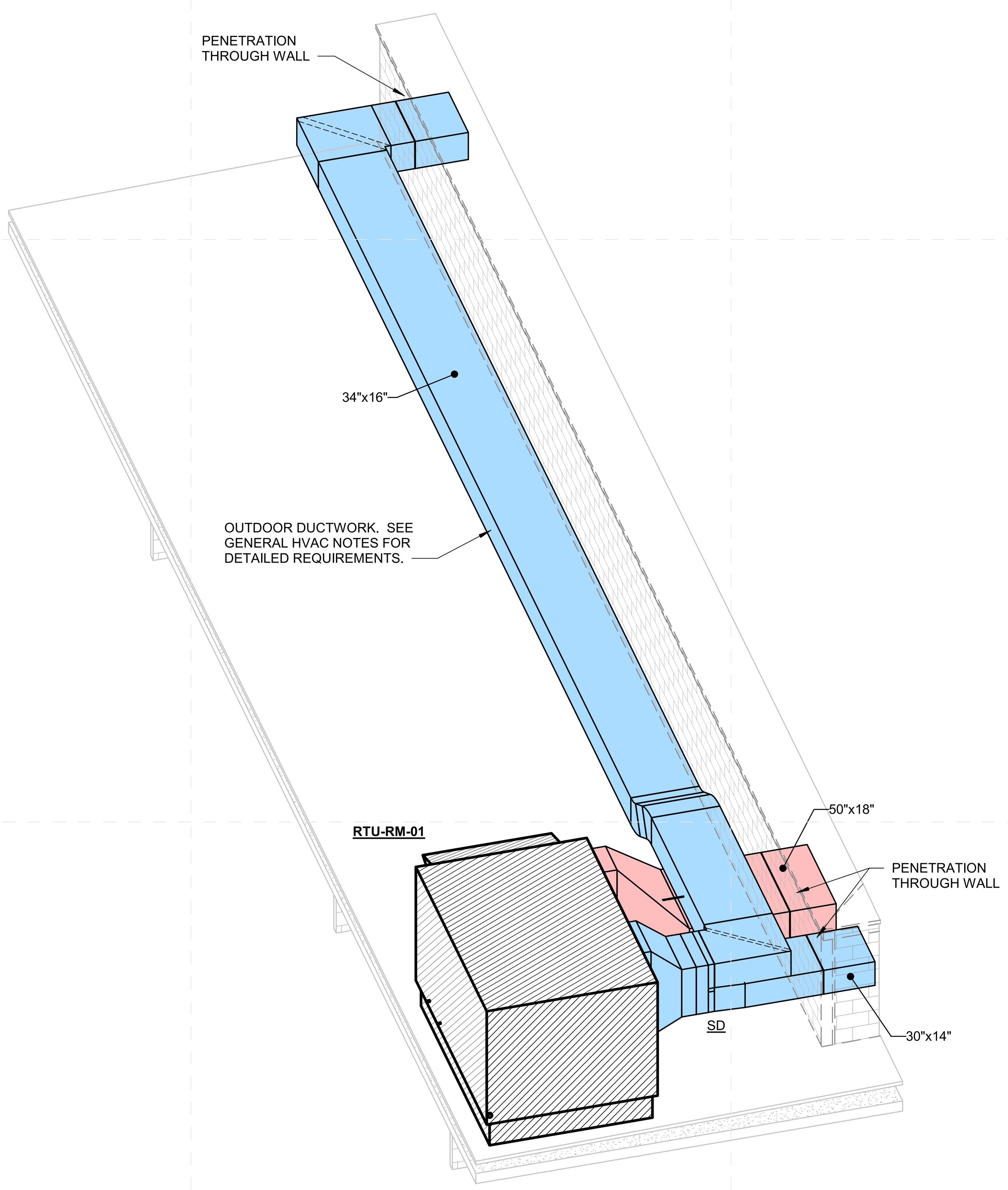
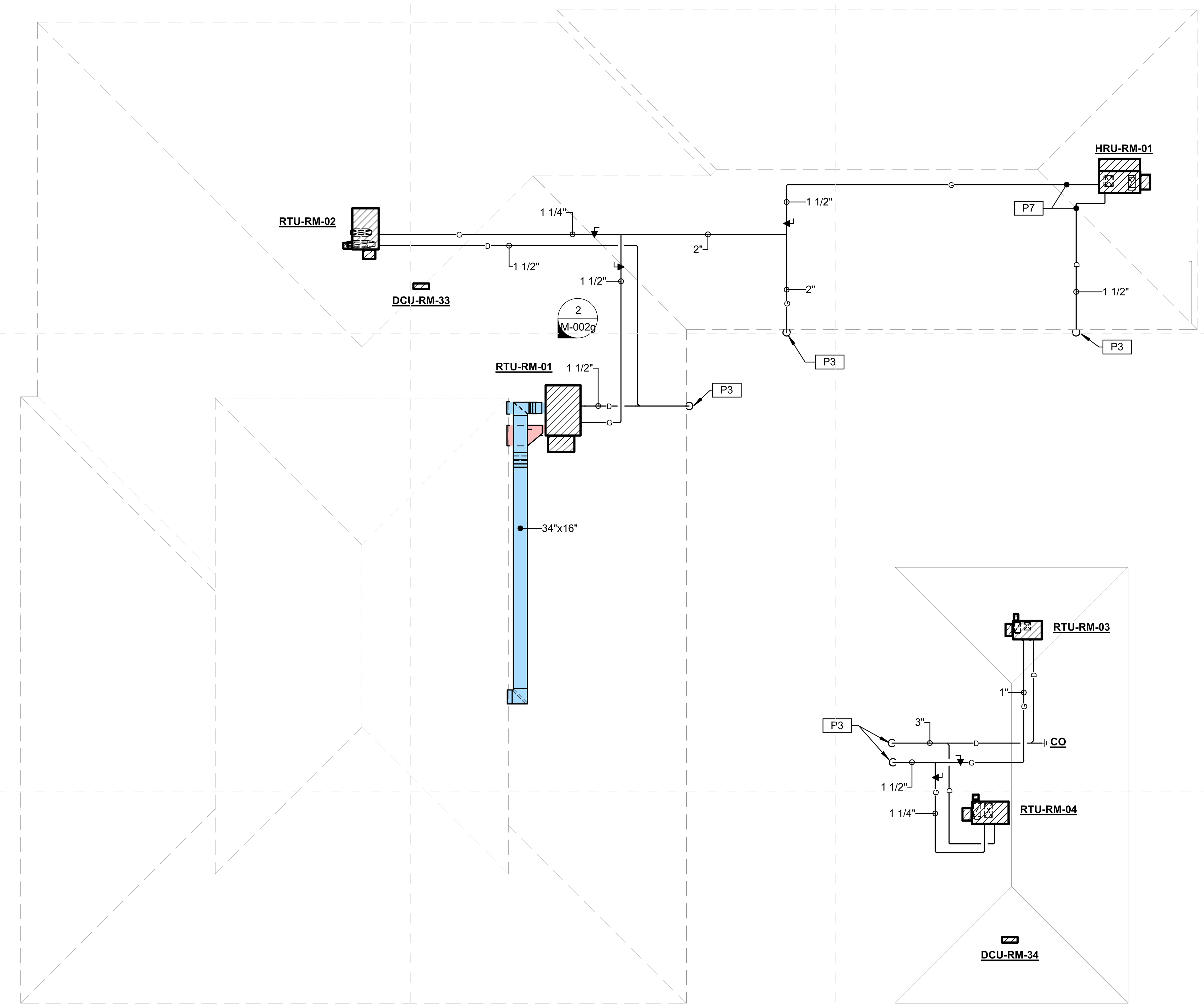
M-001g

Ruleville Middle - Overall Mechanical Plan

SPECIFIC PLUMBING NOTES	
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P7	ALL CONDENSATE AND GAS PIPING SHALL BE SUPPORTED PER ROOFTOP PIPING SUPPORT DETAIL AND SPECIFICATIONS.



2 M-002g **Isometric of RTU-RM-01**



1 M-002g **Ruleville Middle - Mechanical Roof Plan (1)**
1/16" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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Ruleville Middle - Mechanical Roof Plan

SPECIFIC HVAC NOTES	
M1	DUCTLESS MINI-SPLIT MOUNTED HIGH ON WALL. ROUTE NEW CONDENSATE DRAIN AND REFRIGERANT PIPING CONCEALED IN "LINE-HIDE" ACCESSORIES. SEE DETAIL.
M4	REPLACE EXISTING SPLIT SYSTEM. PROVIDE NEW SUPPLY AIR DUCTWORK TRANSITIONS AS REQUIRED TO CONNECT TO EXISTING TRUNK DUCT. RE-CONNECT EXISTING GAS SERVICE PIPING (WHERE APPLICABLE, WITH NEW UNION, GAS COCK AND DRIP LEG. CONNECT NEW CONDENSATE DRAIN PIPING TO EXISTING DISCHARGE PIPING IN SAME LOCATION. PROVIDE NEW THERMOSTAT (IN SAME LOCATION AS EXISTING). EXISTING REFRIGERANT PIPING SIZES SHALL BE FIELD VERIFIED TO BE COMPATIBLE WITH NEW UNIT. IF COMPATIBLE, EXISTING PIPING TO BE CLEANED UTILIZING PIPE-WIPER (BY A-JACKS MANUFACTURING) AND FLUSHED WITH QUIK SYSTEM FLUSH BY MAINSTREAM ENGINEERING CORPORATION. SUBSEQUENTLY, EXISTING PIPING SHALL BE PRESSURE TESTED AND CLEANED AS REQUIRED FOR NEW INSTALLATION. IF NOT COMPATIBLE, EXISTING PIPING SHALL BE DEMOLISHED AND NEW REFRIGERANT PIPING PROVIDED. ROUTE NEW FLUE THROUGH ROOF OR SIDEWALL UTILIZING EXISTING OPENING. SEE SPECIFICATIONS. SEE DETAILS FOR FURTHER INSTRUCTION.
M5	FULL NECK SIZE ACOUSTICALLY LINED PLENUM ATOP AIR DISTRIBUTION DEVICE.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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Date	2 February 2022
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Ruleville Middle - Partial Mechanical Plan (1)

1 / M-101g 1/8" = 1'-0"

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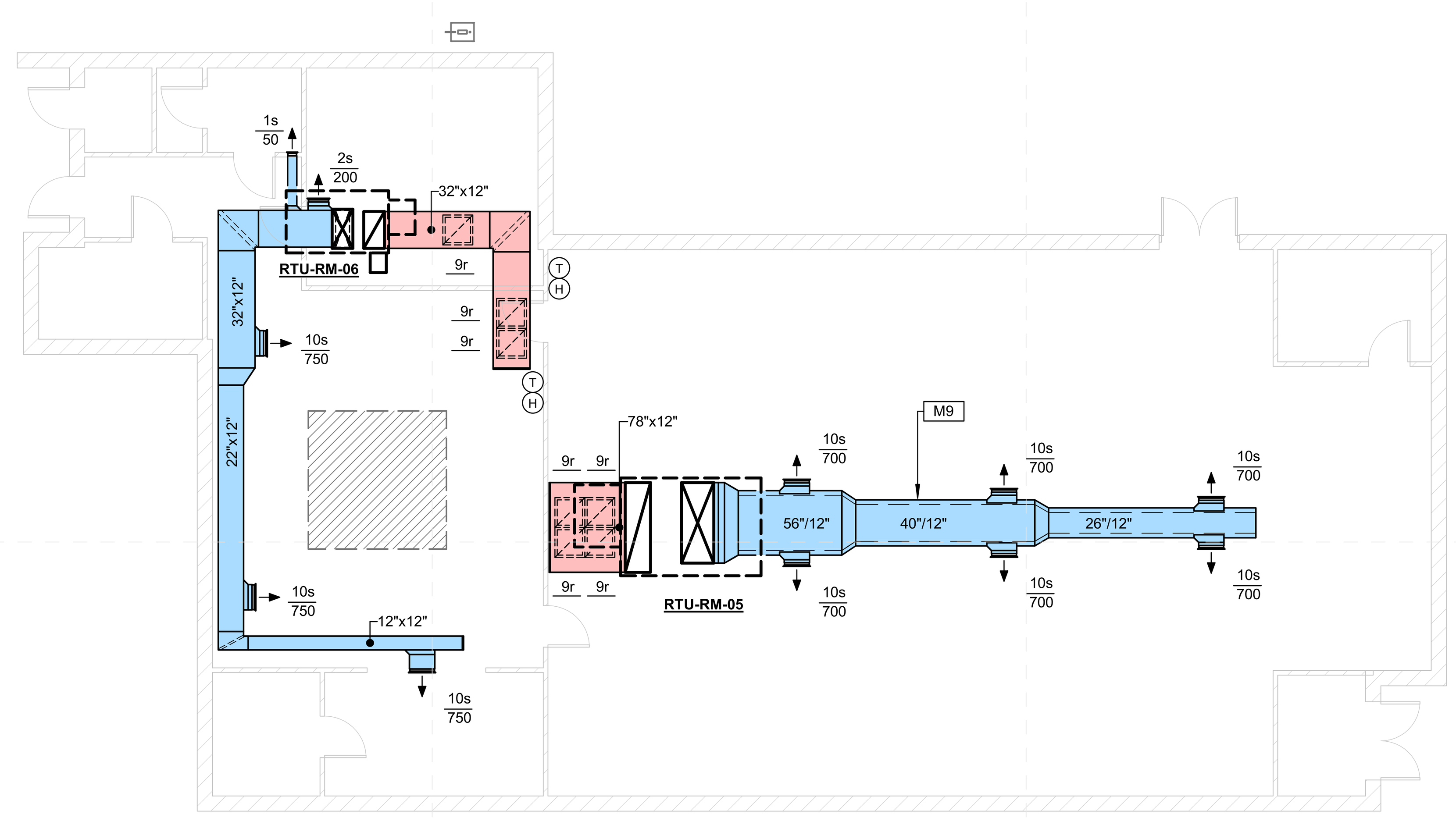
M-101g

Ruleville Middle - Partial Mechanical Plans



Ruleville Middle - Partial Mechanical Plan (2)

1 M-102g 1/8" = 1'-0"

SPECIFIC HVAC NOTES	
M9	TYPICAL DOUBLE WALL INSULATED FLAT OVAL SPIRAL DUCTWORK ROUTED HIGH NEAR BOTTOM OF STRUCTURE AS INDICATED. PRIME AND PAINT ALL EXPOSED DUCTWORK AS DIRECTED/APPROVED BY ARCHITECT. LOCATE DUCTS SYMMETRICALLY IN SPACE WITH EXPOSED STRUCTURE AND AS APPROVED BY ARCHITECT.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
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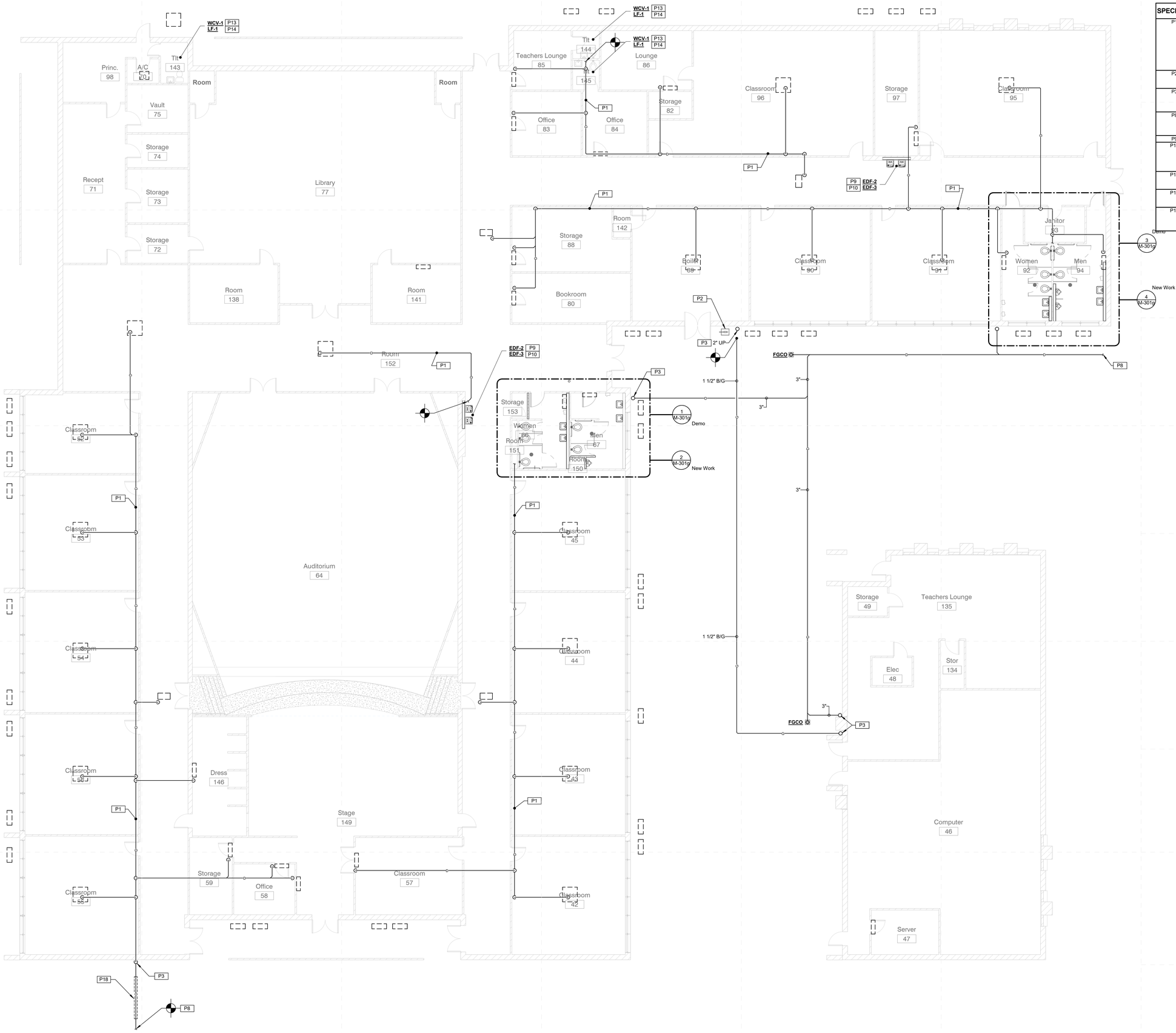
M-102g

Ruleville Middle - Partial Mechanical Plans



Ruleville Middle - Partial Plumbing Plan (1)

1 M-201g 1/8" = 1'-0"

SPECIFIC PLUMBING NOTES

P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P2	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.
P18	BORE AND SLEEVE ACROSS EXISTING WALK TO INSTALL NEW GAS PIPING. SLEEVE SHALL EXTEND MINIMUM 36" BEYOND EDGE OF PAVING EACH SIDE AND BE OF SIZE TO MATCH APPLICATION.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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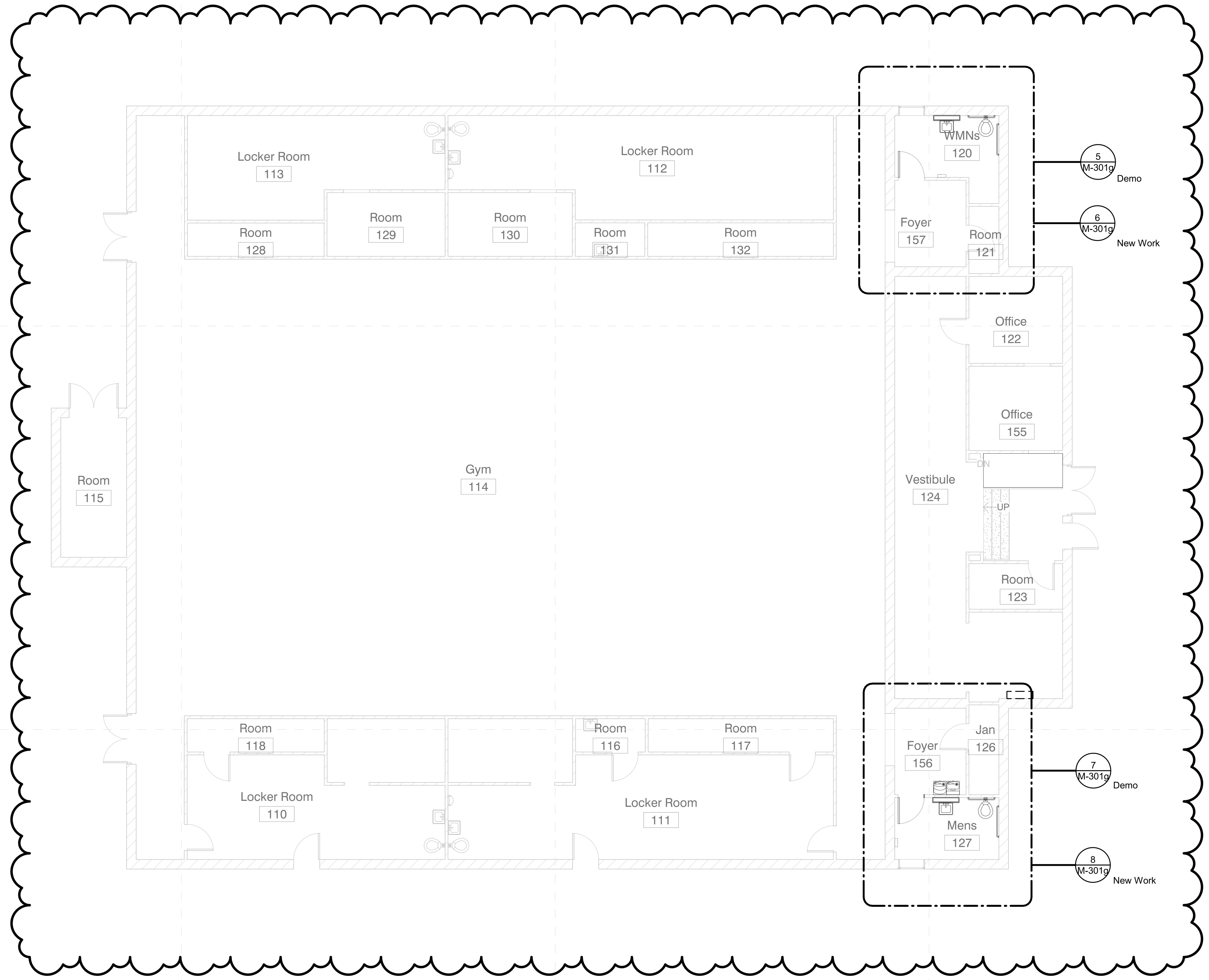
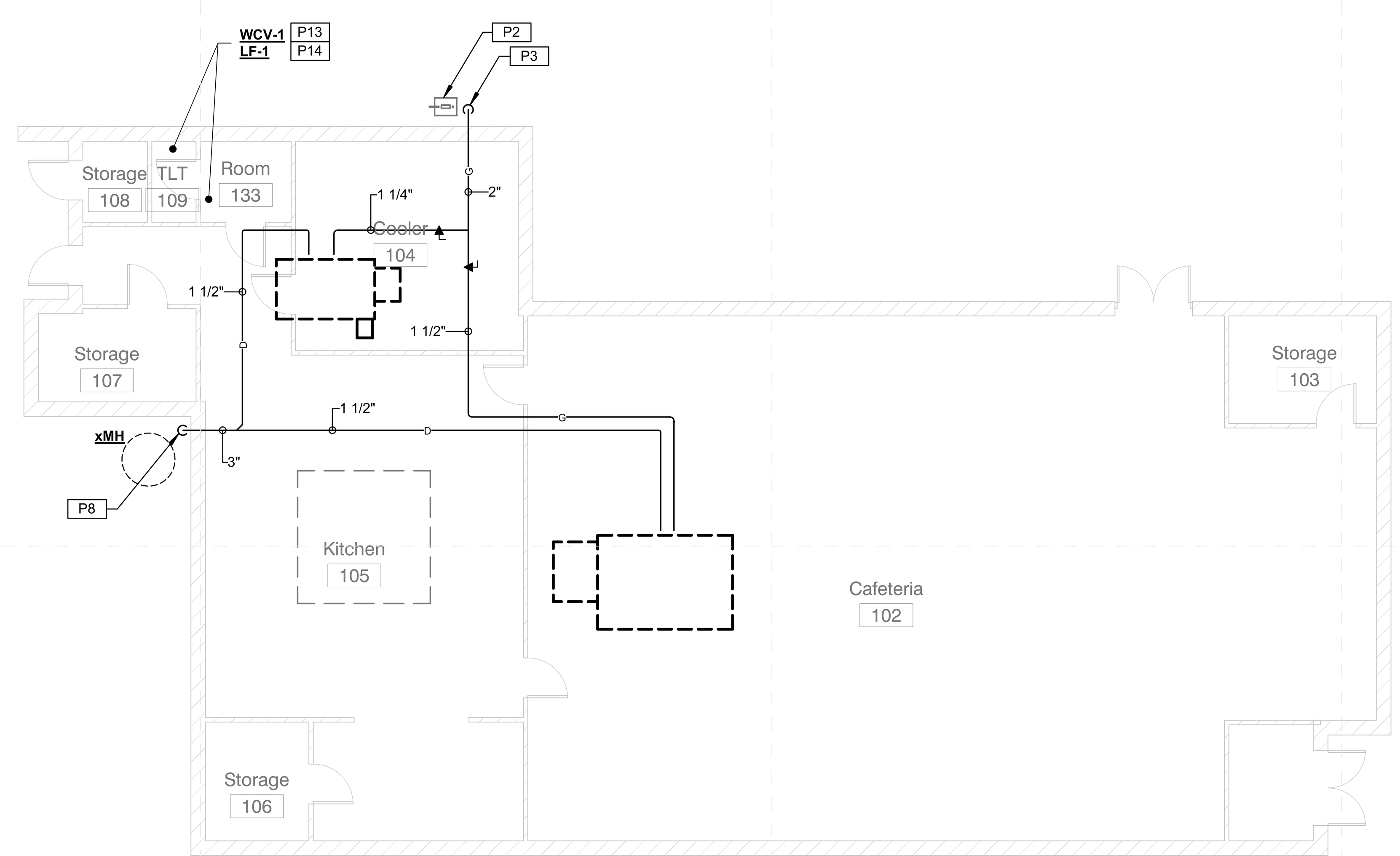
M-201g

Ruleville Middle - Partial Plumbing Plans



2 M-202g **Ruleville Middle - Partial Plumbing Plan (3)**
1/8" = 1'-0"



1 M-202g **Ruleville Middle - Partial Plumbing Plan (2)**
1/8" = 1'-0"

SPECIFIC PLUMBING NOTES	
P2	EXISTING GAS METER. COORDINATE NEW GAS LOAD WITH SERVING UTILITY COMPANY AND MODIFY/REPLACE EXISTING METER IF REQUIRED.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P8	CONNECT TO EXISTING SANITARY SEWER PIPING AT APPROXIMATELY THIS LOCATION. FIELD VERIFY LOCATION, SIZE AND INVERT PRIOR TO COMMENCING WITH WORK.
P13	REPLACE EXISTING WATER CLOSET/URINAL FLUSH VALVE WITH NEW INCLUDING NEW TOUCHLESS FLUSH VALVE.
P14	REPLACE EXISTING LAVATORY/SINK FAUCET WITH NEW INCLUDING NEW TOUCHLESS FAUCET, SUPPLIES, STOPS, TRAPS AND TAILPIECES.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
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Date	2 February 2022
Revisions	Rev Date
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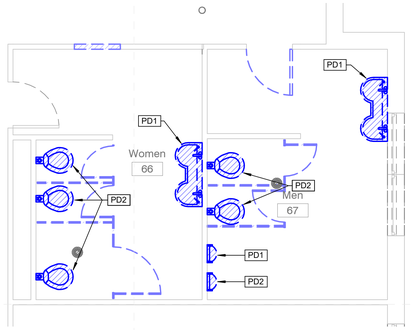
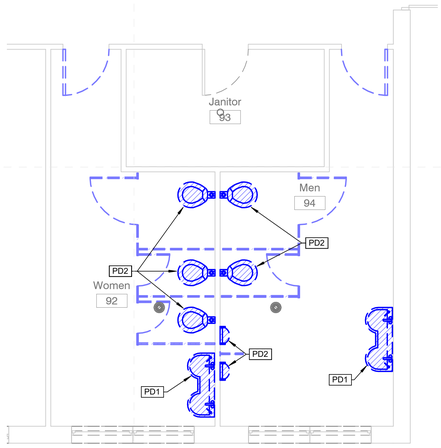
Ruleville Middle - Partial Plumbing Plans

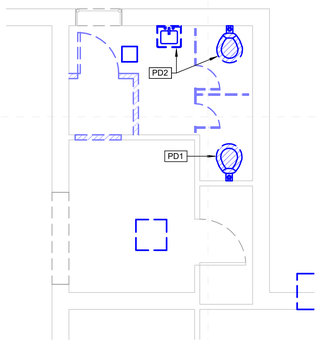
SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.



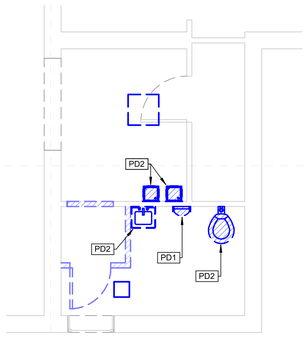
1 M-301g Ruleville Middle - Enlarged Plumbing Demo Plan (1)
1/4" = 1'-0"



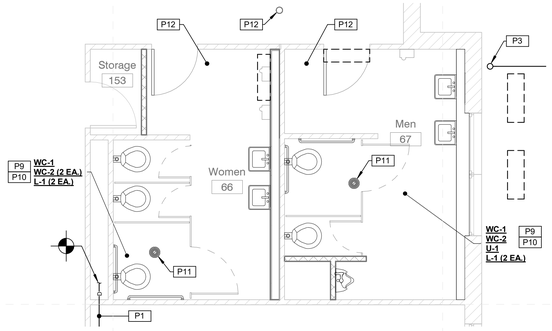
3 M-301g Ruleville Middle - Enlarged Plumbing Demo Plan (2)
1/4" = 1'-0"



5 M-301g Ruleville Middle - Enlarged Plumbing Demo Plan (3)
1/4" = 1'-0"

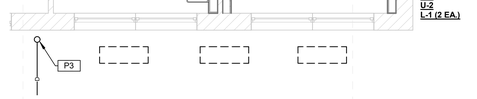


7 M-301g Ruleville Middle - Enlarged Plumbing Demo Plan (4)
1/4" = 1'-0"

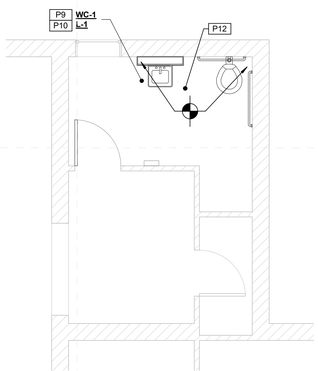


2 M-301g Ruleville Middle - Enlarged Plumbing New Work Plan (1)
1/4" = 1'-0"

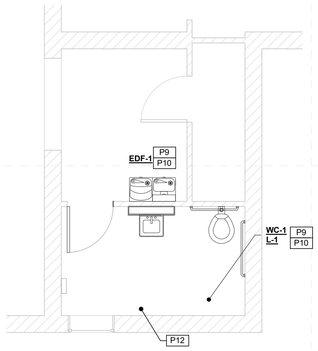
SPECIFIC PLUMBING NOTES	
P1	TYPICAL GRAVITY CONDENSATE DRAIN PIPING ROUTED HIGH AS FEASIBLE. EXTEND TO NEARBY VENT STACK OR FLOOR DRAIN AS INDICATED. PROVIDE FULL PIPE SIZE CLEAN OUT AT EVERY CHANGE OF DIRECTION AND EVERY 50'-0" OF STRAIGHT RUN OF PIPE. COMBINED DRAINS FROM TWO OR MORE UNITS SHALL BE 1-1/4" SIZE UNLESS OTHERWISE NOTED. COMPREHENSIVELY INSULATE ALL NEW CONDENSATE DRAIN PIPING.
P3	ROUTE PIPING TIGHT TO WALL TO ROOF WITH STAND-OFF BRACKETS AT 48"O.C. PRIME/PAINT EXPOSED VERTICAL PIPING TO MATCH ADJACENT WALL OR AS DIRECTED/APPROVED BY ARCHITECT.
P9	PROVIDE NEW PLUMBING FIXTURE AS INDICATED.
P10	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P11	REPLACE EXISTING FLOOR DRAIN STRAINER WITH NEW INCLUDING NEW TRAP GUARD (IF FUNCTIONAL TRAP PRIMER IS NOT PRESENT). ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.
P12	REPLACE EXISTING CLEANOUT TOP WITH NEW. ADJUST AS NEEDED TO INSTALL FLUSH WITH NEW FINISHED FLOOR.



4 M-301g Ruleville Middle - Enlarged Plumbing New Work Plan (2)
1/4" = 1'-0"



6 M-301g Ruleville Middle - Enlarged Plumbing New Work Plan (3)
1/4" = 1'-0"



8 M-301g Ruleville Middle - Enlarged Plumbing New Work Plan (4)
1/4" = 1'-0"

GENERAL PLUMBING NOTE:
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DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

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Ruleville Middle - Enlarged Plumbing Plans

SPECIFIC HVAC DEMOLITION NOTES	
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MD2	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL WHERE APPLICABLE.
MD3	REPLACE EXISTING AIR CONDITIONING EQUIPMENT WITH NEW IN SAME LOCATION.
MD4	DEMOLISH EXISTING EXHAUST FAN AS INDICATED.
MD5	DEMOLISH EXISTING BOILER, PUMPS AND HEATING WATER PIPING AFTER NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
MD7	DEMOLISH EXISTING AIR CONDITIONING EQUIPMENT AS INDICATED.

HEATING WATER SYSTEM DEMOLITION NOTES:

BASE BID:

UNDER BASE BID, CONTRACTOR SHALL DEMOLISH ALL EXPOSED PIPING ASSOCIATED WITH HEATING SYSTEM, INCLUDING VALVES, FITTINGS, HANGERS AND ACCESSORIES.

ALTERNATE BID(S):

UNDER ALTERNATE BID(S), CONTRACTOR SHALL:

1. DEMOLISH ALL RADIANT HEATERS THROUGHOUT BUILDING.
2. DEMOLISH ALL REMAINING PIPING ASSOCIATED WITH HEATING SYSTEM INCLUDING VALVES, FITTINGS, HANGERS AND ACCESSORIES.

REFER TO ARCHITECTURAL DRAWINGS FOR ALTERNATE NUMBERS AND ASSOCIATED PATCHING AND REPAIRING NOTES.

1
MD001g

Ruleville Middle - Overall Mechanical Demolition - Main Bldg

1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

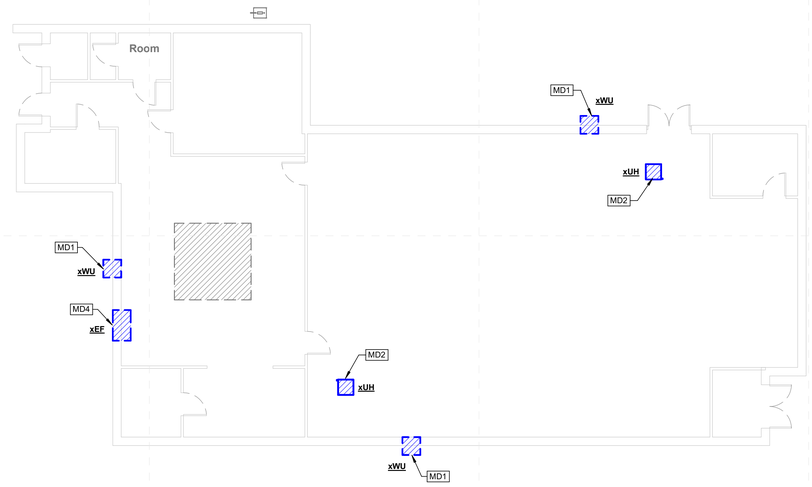
Project No	21027
Date	2 February 2022
Revisions	Rev Date

GSK
MECHANICAL
Consulting Engineering
GSK#: 110-077

MD001g

Ruleville Middle - Overall Mechanical Demolition Plan

SPECIFIC HVAC DEMOLITION NOTES	
MD1	DEMOLISH EXISTING WINDOW UNIT. REFER TO ARCHITECTURAL DRAWINGS FOR WINDOW/WALL INFILL.
MD2	DEMOLISH EXISTING HEATER AS INDICATED. EXISTING FLUE THROUGH ROOF TO BE CAPPED PER DETAIL WHERE APPLICABLE.
MD4	DEMOLISH EXISTING EXHAUST FAN AS INDICATED.



1 MD002g **Ruleville Middle - Partial Mechanical Demolition - Cafeteria Bldg**
1/8" = 1'-0"

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM FORD
REGISTERED PROFESSIONAL ENGINEER
15555
2/2/22
STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No	21027
Date	2 February 2022
Revisions	Rev Date
1	Date 1

GSK
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#:110-077

MD002g
Ruleville Middle - Overall Mechanical Demolition Plan

DUCTLESS SPLIT SYSTEM (INDOOR SECTION) SCHEDULE

MARK	TYPE	TOTAL CFM	HEATING CAPACITY INDOOR D.B., ºF	HEATING CAPACITY OUTDOOR D.B., ºF	HEATING CAPACITY TOT. REV. CYCLE MBH	COOLING CAPACITY EAT (ºF) D.B.	COOLING CAPACITY EAT (ºF) W.B.	COOLING CAPACITY TOTAL MBH	ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ ACCESSORIES	MATCHED TO
AW JAMES ELEMENTARY												
DSS-AW-01	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-01
DSS-AW-02	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-02
DSS-AW-03	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-03
DSS-AW-04	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-04
DSS-AW-05	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-05
DSS-AW-06	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-06
DSS-AW-07	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-07
DSS-AW-08	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-08
DSS-AW-09	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-AW-09
DSS-AW-10	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-AW-10
DSS-AW-11	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-11
DSS-AW-12	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-12
DSS-AW-13	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-13
DSS-AW-14	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-14
DSS-AW-15	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-AW-15
DSS-AW-16	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-16
DSS-AW-17	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-AW-17
DSS-AW-18	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-18
DSS-AW-19	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-AW-19
DSS-AW-20	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-AW-20
DSS-AW-21	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-AW-21
DSS-AW-22	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-22
DSS-AW-23	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-23
DSS-AW-24	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-24
DSS-AW-25	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-AW-25
DSS-AW-26	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-AW-26
DSS-AW-27	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-AW-27
DSS-AW-28	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-AW-28
DSS-AW-29	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-AW-29
DSS-AW-30	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-AW-30
DSS-AW-31	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-AW-31
DSS-AW-32	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-AW-32
DSS-AW-33	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-AW-33
CARVER ELEMENTARY												
DSS-CE-01	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-01
DSS-CE-02	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-02
DSS-CE-03	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-03
DSS-CE-04	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-04
DSS-CE-05	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-05
DSS-CE-06	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-06
DSS-CE-07	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-07
DSS-CE-08	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-08
DSS-CE-09	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-09
DSS-CE-10	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-10
DSS-CE-11	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-11
DSS-CE-12	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-12
DSS-CE-13	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-13
DSS-CE-14	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-14
DSS-CE-15	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-15
DSS-CE-16	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-16
DSS-CE-17	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-17
DSS-CE-18	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-CE-18
DSS-CE-19	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-19
DSS-CE-20	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-20
DSS-CE-21	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-21
DSS-CE-22	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-CE-22
DREW HUNTER MIDDLE SCHOOL												
DSS-DH-01	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-01
DSS-DH-02	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-02
DSS-DH-03	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-03
DSS-DH-04	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-04
DSS-DH-05	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-05
DSS-DH-06	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-06
DSS-DH-07	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-07
DSS-DH-08	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-08
DSS-DH-09	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-09
DSS-DH-10	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-10
DSS-DH-11	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-11
DSS-DH-12	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-12
DSS-DH-13	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-13
DSS-DH-14	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-14
DSS-DH-15	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-15
DSS-DH-16	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-16
DSS-DH-17	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-17
DSS-DH-18	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-18
DSS-DH-19	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-19
DSS-DH-20	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-20
DSS-DH-21	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-21
DSS-DH-22	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-DH-22
DSS-DH-23	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-23
DSS-DH-24	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-24
DSS-DH-25	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-25
DSS-DH-26	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-26
DSS-DH-27	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-27
DSS-DH-28	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-DH-28
DSS-DH-29	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-29
DSS-DH-30	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-DH-30
DSS-DH-31	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-DH-31
DSS-DH-32	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-DH-32
DSS-DH-33	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-DH-33
DSS-DH-34	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-DH-34
DSS-DH-35	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-DH-35
DSS-DH-36	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-DH-36
DSS-DH-37	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-DH-37
DSS-DH-38	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-DH-38
DSS-DH-39	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-DH-39
DSS-DH-40	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-DH-40

DUCTLESS SPLIT SYSTEM (OUTDOOR SECTION) SCHEDULE

MARK	COOLING CAPACITY OUTDOOR D.B., ºF	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY MIN. S.E.E.R.	HEATING CAPACITY TOTAL REVERSE CYCLE, MBH*	HEATING CAPACITY HSPF	MAXIMUM REFRIGERANT PIPE LENGTH (FT.)	ELECTRICAL SERVICE	BASIS OF DESIGN	MATCHED TO
AW JAMES ELEMENTARY									
DCU-AW-01	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-01
DCU-AW-02	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-02
DCU-AW-03	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-03
DCU-AW-04	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-04
DCU-AW-05	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-05
DCU-AW-06	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-06
DCU-AW-07	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-07
DCU-AW-08	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-08
DCU-AW-09	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-AW-09
DCU-AW-10	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-AW-10
DCU-AW-11	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-11
DCU-AW-12	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-12
DCU-AW-13	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-13
DCU-AW-14	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-14
DCU-AW-15	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-AW-15
DCU-AW-16	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-16
DCU-AW-17	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-AW-17
DCU-AW-18	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-18
DCU-AW-19	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-AW-19
DCU-AW-20	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-AW-20
DCU-AW-21	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-AW-21
DCU-AW-22	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-22
DCU-AW-23	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-23
DCU-AW-24	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-24
DCU-AW-25	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-AW-25
DCU-AW-26	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-AW-26
DCU-AW-27	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-AW-27
DCU-AW-28	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-AW-28
DCU-AW-29	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-AW-29
DCU-AW-30	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-AW-30
DCU-AW-31	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-AW-31
DCU-AW-32	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-AW-32
DCU-AW-33	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-AW-33
CARVER ELEMENTARY									
DCU-CE-01	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-01
DCU-CE-02	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-02
DCU-CE-03	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-03
DCU-CE-04	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-04
DCU-CE-05	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-05
DCU-CE-06	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-06
DCU-CE-07	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-07
DCU-CE-08	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-08
DCU-CE-09	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-09
DCU-CE-10	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-10
DCU-CE-11	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-11
DCU-CE-12	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-12
DCU-CE-13	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-13
DCU-CE-14	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-14
DCU-CE-15	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-15
DCU-CE-16	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-16
DCU-CE-17	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-17
DCU-CE-18	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-CE-18
DCU-CE-19	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-19
DCU-CE-20	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-20
DCU-CE-21	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-21
DCU-CE-22	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-CE-22
DREW HUNTER MIDDLE SCHOOL									
DCU-DH-01	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-01
DCU-DH-02	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-02
DCU-DH-03	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-03
DCU-DH-04	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-04
DCU-DH-05	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-05
DCU-DH-06	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-06
DCU-DH-07	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-07
DCU-DH-08	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-08
DCU-DH-09	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-09
DCU-DH-10	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-10
DCU-DH-11	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-11
DCU-DH-12	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-12
DCU-DH-13	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-13
DCU-DH-14	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-14
DCU-DH-15	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-15
DCU-DH-16	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-16
DCU-DH-17	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-17
DCU-DH-18	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-18
DCU-DH-19	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-19
DCU-DH-20	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-20
DCU-DH-21	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-21
DCU-DH-22	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-DH-22
DCU-DH-23	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-23
DCU-DH-24	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-24
DCU-DH-25	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-25
DCU-DH-26	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-26
DCU-DH-27	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-27
DCU-DH-28	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-DH-28
DCU-DH-29	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-29
DCU-DH-30	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-DH-30
DCU-DH-31	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-DH-31
DCU-DH-32	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-DH-32
DCU-DH-33	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-DH-33
DCU-DH-34	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-DH-34
DCU-DH-35	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-DH-35
DCU-DH-36	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-DH-36
DCU-DH-37	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-DH-37
DCU-DH-38	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-DH-38
DCU-DH-39	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-DH-39
DCU-DH-40	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-DH-40

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

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Sunflower Consolidated School District ESSER 2&3 Phase I

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GSK MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 110-077

M-401

Mechanical Schedules

DUCTLESS SPLIT SYSTEM (INDOOR SECTION) SCHEDULE (CONT'D)

MARK	TYPE	TOTAL CFM	HEATING CAPACITY			COOLING CAPACITY			ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ ACCESSORIES	MATCHED TO
			INDOOR D.B., °F	OUTDOOR D.B., °F	TOT. REV. CYCLE MBH	EAT (°F) D.B.	EAT (°F) W.B.	TOTAL MBH				
LOCKARD ELEMENTARY												
DSS-LE-01	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-01
DSS-LE-02	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-02
DSS-LE-03	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-03
DSS-LE-04	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-04
DSS-LE-05	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-05
DSS-LE-06	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-06
DSS-LE-07	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-07
DSS-LE-08	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-08
DSS-LE-09	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-09
DSS-LE-10	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-10
DSS-LE-11	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-11
DSS-LE-12	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-12
DSS-LE-13	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-13
DSS-LE-14	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-14
DSS-LE-15	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-15
DSS-LE-16	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-16
DSS-LE-17	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-17
DSS-LE-18	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-18
DSS-LE-19	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-19
DSS-LE-20	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-20
DSS-LE-21	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-21
DSS-LE-22	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-22
DSS-LE-23	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-23
DSS-LE-24	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-24
DSS-LE-25	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-25
DSS-LE-26	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-26
DSS-LE-27	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-26
DSS-LE-28	A	1,480	70	47	52.0	80	67	48.0	208V.,1ph	LG MODEL LCN489HV	1, 2, 3, 4	DCU-LE-28
DSS-LE-29	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-29
DSS-LE-30	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-30
DSS-LE-31	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-31
DSS-LE-32	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-32
DSS-LE-33	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-33
DSS-LE-34	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-34
DSS-LE-35	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-35
DSS-LE-36	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-36
DSS-LE-37	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-37
DSS-LE-38	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-38
DSS-LE-39	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-39
DSS-LE-40	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-40
DSS-LE-41	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-41
DSS-LE-42	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-42
DSS-LE-43	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-43
DSS-LE-44	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-44
DSS-LE-45	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-45
DSS-LE-46	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-46
DSS-LE-47	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-47
DSS-LE-48	A	1,480	70	47	52.0	80	67	48.0	208V.,1ph	LG MODEL LCN489HV	1, 2, 3, 4	DCU-LE-48
DSS-LE-49	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-49
DSS-LE-50	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-LE-50
DSS-LE-51	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-51
DSS-LE-52	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-52
DSS-LE-53	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-53
DSS-LE-54	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-54
DSS-LE-55	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-55
DSS-LE-56	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-56
DSS-LE-57	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-57
DSS-LE-58	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-58
DSS-LE-59	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-59
DSS-LE-60	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-60
DSS-LE-61	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-LE-61
DSS-LE-62	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-LE-62
MERRITT MIDDLE SCHOOL												
DSS-MM-01	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-01
DSS-MM-02	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-02
DSS-MM-03	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-03
DSS-MM-04	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-04
DSS-MM-05	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-05
DSS-MM-06	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-06
DSS-MM-07	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-07
DSS-MM-08	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-08
DSS-MM-09	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-09
DSS-MM-10	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-MM-10

DUCTLESS SPLIT SYSTEM (OUTDOOR SECTION) SCHEDULE

MARK	COOLING CAPACITY			HEATING CAPACITY		MAXIMUM REFRIGERANT PIPE LENGTH (FT.)	ELECTRICAL SERVICE	BASIS OF DESIGN	MATCHED TO
	OUTDOOR D.B., °F	TOTAL MBH	MIN. S.E.E.R.	TOTAL REVERSE CYCLE, MBH*	HSPF				
LOCKARD ELEMENTARY									
DCU-LE-01	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-01
DCU-LE-02	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-02
DCU-LE-03	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-03
DCU-LE-04	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-04
DCU-LE-05	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-05
DCU-LE-06	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-06
DCU-LE-07	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-07
DCU-LE-08	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-08
DCU-LE-09	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-09
DCU-LE-10	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-10
DCU-LE-11	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-11
DCU-LE-12	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-12
DCU-LE-13	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-13
DCU-LE-14	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-14
DCU-LE-15	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-15
DCU-LE-16	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-16
DCU-LE-17	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-17
DCU-LE-18	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-18
DCU-LE-19	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-19
DCU-LE-20	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-20
DCU-LE-21	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-21
DCU-LE-22	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-22
DCU-LE-23	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-23
DCU-LE-24	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-24
DCU-LE-25	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-25
DCU-LE-26	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-26
DCU-LE-26	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-27
DCU-LE-28	95	48.0	17.5	52.0	11.7	164	208V.,1ph	LG MODEL LUU480HHV	DSS-LE-28
DCU-LE-29	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-29
DCU-LE-30	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-30
DCU-LE-31	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-31
DCU-LE-32	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-32
DCU-LE-33	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-33
DCU-LE-34	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-34
DCU-LE-35	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-35
DCU-LE-36	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-36
DCU-LE-37	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-37
DCU-LE-38	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-38
DCU-LE-39	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-39
DCU-LE-40	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-40
DCU-LE-41	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-41
DCU-LE-42	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-42
DCU-LE-43	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-43
DCU-LE-44	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-44
DCU-LE-45	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-45
DCU-LE-46	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-46
DCU-LE-47	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-47
DCU-LE-48	95	48.0	17.5	52.0	11.7	164	208V.,1ph	LG MODEL LUU480HHV	DSS-LE-48
DCU-LE-49	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-49
DCU-LE-50	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-LE-50
DCU-LE-51	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-51
DCU-LE-52	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-52
DCU-LE-53	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-53
DCU-LE-54	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-54
DCU-LE-55	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-55
DCU-LE-56	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-56
DCU-LE-57	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-57
DCU-LE-58	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-58
DCU-LE-59	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-59
DCU-LE-60	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-60
DCU-LE-61	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-LE-61
DCU-LE-62	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-LE-62
MERRITT MIDDLE SCHOOL									
DCU-MM-01	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-01
DCU-MM-02	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-02
DCU-MM-03	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-03
DCU-MM-04	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-04
DCU-MM-05	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-05
DCU-MM-06	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-06
DCU-MM-07	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-07
DCU-MM-08	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-08
DCU-MM-09	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-09
DCU-MM-10	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-MM-10

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

Sunflower Consolidated School District ESSER 2&3 Phase I

100%
Construction
Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 110-077

M-402

Mechanical
Schedules

DUCTLESS SPLIT SYSTEM (INDOOR SECTION) SCHEDULE (CONT'D)

MARK	TYPE	TOTAL CFM	HEATING CAPACITY INDOOR D.B., °F	HEATING CAPACITY OUTDOOR D.B., °F	HEATING CAPACITY TOT. REV. CYCLE MBH	COOLING CAPACITY EAT (°F) D.B.	COOLING CAPACITY EAT (°F) W.B.	COOLING CAPACITY TOTAL MBH	ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ ACCESSORIES	MATCHED TO
RULEVILLE ELEMENTARY												
DSS-RE-01	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-01
DSS-RE-02	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-02
DSS-RE-03	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-03
DSS-RE-04	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-04
DSS-RE-05	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-05
DSS-RE-06	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-06
DSS-RE-07	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-07
DSS-RE-08	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-08
DSS-RE-09	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-09
DSS-RE-10	A	790	70	47	27.0	80	67	24.0	240V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-RE-10
DSS-RE-11	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-11
DSS-RE-12	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-12
DSS-RE-13	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-13
DSS-RE-14	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-14
DSS-RE-15	A	790	70	47	27.0	80	67	24.0	240V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-RE-15
DSS-RE-16	A	790	70	47	27.0	80	67	24.0	240V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-RE-16
DSS-RE-17	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-17
DSS-RE-18	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-18
DSS-RE-19	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-19
DSS-RE-20	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-20
DSS-RE-21	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-21
DSS-RE-22	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-22
DSS-RE-23	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-23
DSS-RE-24	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-24
DSS-RE-25	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-25
DSS-RE-26	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-26
DSS-RE-27	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-27
DSS-RE-28	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-28
DSS-RE-29	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-29
DSS-RE-30	B	330	70	47	10.9	80	67	9.0	240V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RE-30
DSS-RE-31	A	1,200	70	47	40.0	80	67	36.0	240V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RE-31
DSS-RE-32	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RE-32
DSS-RE-33	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RE-33
DSS-RE-34	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RE-34
DSS-RE-35	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RE-35
DSS-RE-36	C	500	70	47	27.3	80	67	24.2	240V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RE-36
RULEVILLE MIDDLE SCHOOL												
DSS-RM-01	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-01
DSS-RM-02	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-02
DSS-RM-03	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-03
DSS-RM-04	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-04
DSS-RM-05	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-05
DSS-RM-06	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-06
DSS-RM-07	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-07
DSS-RM-08	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-08
DSS-RM-09	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-RM-09
DSS-RM-10	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-10
DSS-RM-11	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-11
DSS-RM-12	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-12
DSS-RM-13	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-13
DSS-RM-14	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-14
DSS-RM-15	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-15
DSS-RM-16	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-16
DSS-RM-17	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-17
DSS-RM-18	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-18
DSS-RM-19	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-19
DSS-RM-20	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-20
DSS-RM-21	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-21
DSS-RM-22	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-22
DSS-RM-23	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-23
DSS-RM-24	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-24
DSS-RM-25	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-25
DSS-RM-26	A	790	70	47	27.0	80	67	24.0	208V.,1ph	LG MODEL LCN249HV	1, 2, 3, 4	DCU-RM-26
DSS-RM-27	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RM-27
DSS-RM-28	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RM-28
DSS-RM-29	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RM-29
DSS-RM-30	C	500	70	47	27.3	80	67	24.2	208V.,1ph	LG MODEL ARNU243TSA4	1, 2, 4	DCU-RM-30
DSS-RM-31	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-RM-31
DSS-RM-32	A	1,200	70	47	40.0	80	67	36.0	208V.,1ph	LG MODEL LCN369HV	1, 2, 3, 4	DCU-RM-32
DSS-RM-33	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-33
DSS-RM-34	B	330	70	47	10.9	80	67	9.0	208V.,1ph	LG MODEL LSN090HSV5	1, 2, 4	DCU-RM-34
DSS-RM-35	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-RM-35
DSS-RM-36	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-RM-36
DSS-RM-37	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-RM-37
DSS-RM-38	B	800	70	47	26.0	80	67	22.0	208V.,1ph	LG MODEL LSN243HLV3	1, 2, 4	DCU-RM-38

*BASED ON 47 °F D.B. OUTSIDE AND 70 °F D.B. INDOOR ENTERING COIL

COMPARABLE PRODUCTS:
MITSUBISHI, DAIKIN, LG

TYPE:
A. 4-WAY CEILING CASSETTE
B. WALL MOUNTED
C. 2-WAY CEILING CASSETTE

FEATURES/ACCESSORIES:
1. PROVIDE WITH HARD WIRED WALL MOUNTED THERMOSTAT.
2. MANUFACTURER'S INTEGRAL CONDENSATE PUMP.
3. PROVIDE WITH MULTI-FUNCTION CASEMENT CAPABLE OF ACCEPTING 1" DEEP PLEATED MERV 7 FILTER.
4. PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE

DUCTLESS SPLIT SYSTEM (OUTDOOR SECTION) SCHEDULE

MARK	COOLING CAPACITY OUTDOOR D.B., °F	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY MIN. S.E.E.R.	HEATING CAPACITY TOTAL REVERSE CYCLE, MBH*	HEATING CAPACITY HSPF	MAXIMUM REFRIGERANT PIPE LENGTH (FT.)	ELECTRICAL SERVICE	BASIS OF DESIGN	MATCHED TO
RULEVILLE ELEMENTARY									
DCU-RE-01	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-01
DCU-RE-02	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-02
DCU-RE-03	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-03
DCU-RE-04	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-04
DCU-RE-05	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-05
DCU-RE-06	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-06
DCU-RE-07	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-07
DCU-RE-08	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-08
DCU-RE-09	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-09
DCU-RE-10	95	24.0	21.0	27.0	10.2	164	240V.,1ph	LG MODEL LUU240HHV	DSS-RE-10
DCU-RE-11	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-11
DCU-RE-12	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-12
DCU-RE-13	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-13
DCU-RE-14	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-14
DCU-RE-15	95	24.0	21.0	27.0	10.2	164	240V.,1ph	LG MODEL LUU240HHV	DSS-RE-15
DCU-RE-16	95	24.0	21.0	27.0	10.2	164	240V.,1ph	LG MODEL LUU240HHV	DSS-RE-16
DCU-RE-17	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-17
DCU-RE-18	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-18
DCU-RE-19	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-19
DCU-RE-20	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-20
DCU-RE-21	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-21
DCU-RE-22	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-22
DCU-RE-23	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-23
DCU-RE-24	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-24
DCU-RE-25	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-25
DCU-RE-26	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-26
DCU-RE-27	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-27
DCU-RE-28	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-28
DCU-RE-29	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-29
DCU-RE-30	95	9.0	23.5	10.9	11.3	41	240V.,1ph	LG MODEL LSU090HSV5	DSS-RE-30
DCU-RE-31	95	36.0	21.5	40.0	11.0	164	240V.,1ph	LG MODEL LUU360HHV	DSS-RE-31
DCU-RE-32	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-RE-32
DCU-RE-33	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-RE-33
DCU-RE-34	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-RE-34
DCU-RE-35	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-RE-35
DCU-RE-36	95	24.0	20.0	27.0	10.8	100	240V.,1ph	LG MODEL ARUN024GSS4	DSS-RE-36
RULEVILLE MIDDLE SCHOOL									
DCU-RM-01	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-01
DCU-RM-02	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-02
DCU-RM-03	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-03
DCU-RM-04	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-04
DCU-RM-05	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-05
DCU-RM-06	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-06
DCU-RM-07	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-07
DCU-RM-08	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-08
DCU-RM-09	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-RM-09
DCU-RM-10	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-10
DCU-RM-11	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-11
DCU-RM-12	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-12
DCU-RM-13	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-13
DCU-RM-14	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-14
DCU-RM-15	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-15
DCU-RM-16	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-16
DCU-RM-17	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-17
DCU-RM-18	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-18
DCU-RM-19	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-19
DCU-RM-20	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-20
DCU-RM-21	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-21
DCU-RM-22	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-22
DCU-RM-23	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-23
DCU-RM-24	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-24
DCU-RM-25	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-25
DCU-RM-26	95	24.0	21.0	27.0	10.2	164	208V.,1ph	LG MODEL LUU240HHV	DSS-RM-26
DCU-RM-27	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-RM-27
DCU-RM-28	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-RM-28
DCU-RM-29	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-RM-29
DCU-RM-30	95	24.0	20.0	27.0	10.8	100	208V.,1ph	LG MODEL ARUN024GSS4	DSS-RM-30
DCU-RM-31	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-RM-31
DCU-RM-32	95	36.0	21.5	40.0	11.0	164	208V.,1ph	LG MODEL LUU360HHV	DSS-RM-32
DCU-RM-33	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-33
DCU-RM-34	95	9.0	23.5	10.9	11.3	41	208V.,1ph	LG MODEL LSU090HSV5	DSS-RM-34
DCU-RM-35	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-RM-35
DCU-RM-36	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-RM-36
DCU-RM-37	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-RM-37
DCU-RM-38	95	22.0	21.5	26.0	12.0	164	208V.,1ph	LG MODEL LSU243HLV3	DSS-RM-38

*BASED ON 47 °F D.B. OUTSIDE AND 70 °F D.B. INDOOR ENTERING COIL TEMPERATURE

COMPARABLE PRODUCTS:
MITSUBISHI, DAIKIN, LG

NOTES:
1. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
2. PROVIDE LOW AMBIENT CONTROLS/CAPABILITY.
3. ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES, HARD SHUTOFF KIT, LIQUID LINE FILTER DRYER AND WARRANTY AS SPECIFIED.
4. SEE SPECIFICATIONS FOR WARRANTY INFORMATION.
5. PROVIDE WITH INVERTER DUTY OR VARIABLE SPEED COMPRESSOR.

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
dalebaileyplans.com

KEVIN WILLIAM ... STATE OF MISSISSIPPI 2/2/22

Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK MECHANICAL
Consulting Engineering
GSK#: 110-077

M-403

Mechanical Schedules

SELF-CONTAINED PACKAGED UNIT SCHEDULE

MARK	AIRFLOW DATA							COOLING CAPACITY (ALL VALUES LISTED ARE NET CAPACITIES)										HEATING CAPACITY (REHEAT POSITION)						ELECTRICAL DATA							WEIGHT (LBS)	BASIS OF DESIGN	FEATURES/ACCESSORIES	MARK
	SUPPLY AIR		OUTSIDE AIR C.F.M.	SINGLE ZONE VAV AIRFLOW C.F.M.				DESIGN CONDITIONS							GENERAL			PRIMARY	SECONDARY																
	TOTAL CFM	E.S.P. IN. W.G.		COOLING MIN.	COOLING MAX.	HEATING MIN.	HEATING MAX.	O.A. TEMP. °F D.B.	O.A. TEMP. °F W.B.	COIL E.A.T. °F D.B.	COIL E.A.T. °F W.B.	COIL L.A.T. °F D.B.	COIL L.A.T. °F W.B.	TOTAL MBH	SENS. MBH	MIN. NO. OF STAGES	MIN. S.E.E.R.	HOT GAS REHEAT COIL CAPACITY (MBH)	FUEL	MAX. INPUT MBH	MAX. OUTPUT MBH	MIN. NO. OF STAGES	MIN. A.F.U.E.	SERVICE	SUPPLY FAN HP	SUPPLY FAN DRIVE TYPE	EXHAUST FAN HP	MCA	MOCP				
AW JAMES ELEMENTARY																																	
AC-AW-01	1,800	0.60	250	-	-	-	-	95.6	76.7	78.0	65.0	56.0	54.3	55.2	41.2	1	15.0	32.9	N. GAS	80.0	64.0	1	80	208V.,3ph	1	DIRECT	-	33.0	45	1,500	TRANE MODEL YHC-067	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16	AC-AW-01
RTU-AW-02	3,000	0.80	450	1,500	3,000	1,500	3,000	95.6	76.7	78.0	65.0	55.5	54.3	91.9	70.3	2	12.5 EER	78.5	N. GAS	150.0	120.0	2	80	208V.,3ph	2.75	DIRECT	0.87	42.0	50	1,800	TRANE MODEL YHC-102	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-AW-02
CARVER ELEMENTARY																																	
RTU-CE-01	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-01
RTU-CE-02	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-02
RTU-CE-03	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-03
RTU-CE-04	1,800	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	56.0	54.3	55.2	41.2	1	15.0	32.9	N. GAS	80.0	64.0	1	80	240V.,3ph	1	DIRECT	-	33.0	45	1,500	TRANE MODEL YHC-067	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-04
RTU-CE-05	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-05
RTU-CE-06	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-06
RTU-CE-07	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-07
RTU-CE-08	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-08
RTU-CE-09	1,450	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.7	53.9	45.6	33.3	1	15.0	29.7	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	24.0	30	1,300	TRANE MODEL YHC-048	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-09
RTU-CE-10	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-10
RTU-CE-11	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-11
RTU-CE-12	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-12
RTU-CE-13	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-13
RTU-CE-14	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-14
RTU-CE-15	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-15
RTU-CE-16	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-16
RTU-CE-17	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-17
RTU-CE-18	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-18
RTU-CE-19	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-19
RTU-CE-20	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-20
RTU-CE-21	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-21
RTU-CE-22	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-22
RTU-CE-23	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-23
RTU-CE-24	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-24
RTU-CE-25	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-25
RTU-CE-26	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-26
RTU-CE-27	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	240V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-CE-27
RTU-CE-28	4,200	0.80	650	2,100	4,200	2,100	4,200	95.6	76.7	78.0	65.0	56.5	54.1	136.3	93.6	2	12.1 EER	100.4	N. GAS	250.0	200.0	2	80	240V.,3ph	3	BELT	0.75	66.0	80	3,200	TRANE MODEL YHD-150	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-CE-29
RTU-CE-29	4,300	0.80	650	-	-	-	-	95.6	76.7	78.0	65.0	56.5	54.1	136.3	93.6	2	12.1 EER	100.4	N. GAS	250.0	200.0	2	80	240V.,3ph	3	BELT	0.75	66.0	80	3,200	TRANE MODEL YHD-150	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17	RTU-CE-30
RTU-CE-30	4,300	0.80	650	2,100	4,200	2,100	4,200	95.6	76.7	78.0	65.0	56.5	54.1	136.3	93.6	2	12.1 EER	100.4	N. GAS	250.0	200.0	2	80	240V.,3ph	3	BELT	0.75	66.0	80	3,200	TRANE MODEL YHD-150	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-CE-31
AC-CE-31	7,000	0.80	1,000	3,500	7,000	3,500	7,000	95.6	76.7	78.0	65.0	56.8	53.3	226.2	147.6	2	11.0 EER	160.8	N. GAS	400.0	320.0	2	80	240V.,3ph	5	BELT	0.78	115.0	150	3,600	TRANE MODEL YHD-240	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17	AC-CE-32
AC-CE-32	7,000	0.80	1,000	3,500	7,000	3,500	7,000	95.6	76.7	78.0	65.0	56.8	53.3	226.2	147.6	2	11.0 EER	160.8	N. GAS	400.0	320.0	2	80	240V.,3ph	5	BELT	0.78	115.0	150	3,600	TRANE MODEL YHD-240	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17	AC-CE-33
DREW HUNTER MIDDLE SCHOOL																																	
AC-DH-01	2,625	0.80	400	-	-	-	-	95.6	76.7	78.0	65.0	55.1	53.6	83.9	61.5	2	12.6 EER	69.5	N. GAS	150.0	120.0	2	80	208V.,3ph	2.75	DIRECT	0.87	42.0	50	1,800	TRANE MODEL YHC-092	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17	AC-DH-01
AC-DH-02	3,600	0.80	500	1,800	3,600	1,800	3,600	95.6	76.7	78.0	65.0	55.1	54.4	107.1	59.5	2	12.4 EER	89.9	N. GAS	200.0	160.0	2	80	208V.,3ph	2.75	DIRECT	0.87	48.0	60	2,100	TRANE MODEL YHC-120	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17	AC-DH-02
LOCKARD ELEMENTARY																																	
RTU-LE-01	3,750	0.80	500	1,800	3,600	1,800	3,600	95.6	76.7	78.0	65.0	55.1	54.4	107.1	59.5	2	12.4 EER	89.9	N. GAS	200.0	160.0	2	80	208V.,3ph	2.75	DIRECT	0.87	48.0	60	2,100	TRANE MODEL YHC-120	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-LE-01
RTU-LE-02	5,300	0.80	800	2,650	5,300	2,650	5,300	95.6	76.7	78.0	65.0	56.5	53.8	166.9	115.5	2	12.1 EER	117.2	N. GAS	350.0	280.0	2	80	208V.,3ph	3	BELT	0.75	72.0	90	3,400	TRANE MODEL YHD-180	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-LE-02
RULEVILLE ELEMENTARY																																	
AC-RE-01	3,625	0.80	500	1,825	3,625	1,825	3,625	95.6	76.7	78.0	65.0	55.1	54.4	107.1	59.5	2	12.4 EER	89.9	N. GAS	200.0	160.0	2	80	240V.,3ph	2.75	DIRECT	0.87	48.0	60	2,100	TRANE MODEL YHC-120	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17	AC-RE-01
RTU-RE-02	4,200	0.80	650	2,100	4,200	2,100	4,200	95.6	76.7	78.0	65.0	56.5	54.1	136.3	93.6	2	12.1 EER	100.4	N. GAS	250.0	200.0	2	80	240V.,3ph	3	BELT	0.75	66.0	80	3,200	TRANE MODEL YHD-150	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-RE-02
RULEVILLE MIDDLE SCHOOL																																	
RTU-RM-01	7,225	0.80	1,000	3,500	7,000	3,500	7,000	95.6	76.7	78.0	65.0	56.8	53.3	226.2	147.6	2	11.0 EER	160.8	N. GAS	400.0	320.0	2	80	208V.,3ph	5	BELT	0.78	115.0	150	3,600	TRANE MODEL YHD-240	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-RM-01
RTU-RM-02	3,750	0.80	500	1,800	3,600	1,800	3,600	95.6	76.7	78.0	65.0	55.1	54.4	107.1	59.5	2	12.4 EER	89.9	N. GAS	200.0	160.0	2	80	208V.,3ph	2.75	DIRECT	0.87	48.0	60	2,100	TRANE MODEL YHC-120	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-RM-02
RTU-RM-03	1,100	0.60	200	-	-	-	-	95.6	76.7	78.0	65.0	55.5	53.7	35.4	25.5	1	15.0	22.8	N. GAS	60.0	48.0	1	80	208V.,3ph	1	DIRECT	-	18.0	25	1,000	TRANE MODEL YHC-036	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	RTU-RM-03
RTU-RM-04	2,625	0.80	400	-	-	-	-	95.6	76.7	78.0	65.0	55.1	53.6	83.9	61.5	2	12.6 EER	69.5	N. GAS	150.0	120.0	2	80	208V.,3ph	2.75	DIRECT	0.87	42.0	50	1,800	TRANE MODEL YHC-092	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17	RTU-RM-04
RTU-RM-05	4,200	0.80	650	2,100	4,200	2,100	4,200	95.6	76.7	78.0	65.0	56.5	54.1	136.3	93.6	2	12.1 EER	100.4	N. GAS	250.0	200.0	2	80	240V.,3ph	3	BELT	0.75	66.0	80	3,200	TRANE MODEL YHD-150	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	RTU-RM-05
RTU-RM-06	2,600	0.80	400	-	-	-	-	95.6	76.7	78.0	65.0	55.1	53.6	83.9	61.5	2	12.6 EER	69.5	N. GAS	150.0	120.0	2	80	208V.,3ph	2.75	DIRECT	0.87	42.0	50	1,800	TRANE MODEL YHC-092	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17	RTU-RM-06
AC-RM-07	7,000	0.80	1,000	3,500	7,000	3,500	7,000	95.6	76.7	78.0	65.0	56.8	53.3	226.2	147.6	2	11.0 EER	160.8	N. GAS	400.0	320.0	2	80	208V.,3ph	5	BELT	0.78	115.0	150	3,600	TRANE MODEL YHD-240	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	AC-RM-07
AC-RM-08	7,000	0.80	1,000	3,500	7,000	3,500	7,000	95.6	76.7	78.0	65.0	56.8	53.3	226.2	147.6	2	11.0 EER	160.8	N. GAS	400.0	320.0	2	80	208V.,3ph	5	BELT	0.78	115.0	150	3,600	TRANE MODEL YHD-240	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17	AC-RM-08

NOTES:

1. ALL RATINGS ARE AT SPECIFIED DESIGN DAY, CFM AND EXTERNAL STATIC PRESSURE CONDITIONS.
2. MINIMUM A.F.U.E. - AS SCHEDULED.
3. ALSO DEFINED AS NUMBER OF INDEPENDENT REFRIGERANT CIRCUITS.
4. MINIMUM REHEAT CAPACITY COINCIDENT WITH ONLY LEAD CIRCUIT COOLING SYSTEM ENERGIZED.
5. SEE SPECIFICATIONS FOR CONTROLS INFORMATION.
6. SEE SPECIFICATIONS FOR COORDINATION OF SMOKE DETECTORS.
7. ALL UNITS SHALL UTILIZE R-410A REFRIGERANT.
8. FOR UNITS WITH VARIABLE SPEED DRIVES, PROVIDE SUBMITTAL DATA FOR BOTH THE OPERATING AND MAXIMUM TOTAL STATIC PRESSURE AT DESIGN SUPPLY CFM (UTILIZING MAXIMUM BHP AVAILABLE IN MOTOR). BELTS/PULLEYS TO BE PROVIDED BASED UPON MAXIMUM TOTAL STATIC PRESSURE.
9. UNIT SHALL BE STARTED UP AND CHECKED OUT BY A FACTORY SERVICE REPRESENTATIVE. PROVIDE COPY OF START-UP REPORT AND MANUFACTURER'S REGISTERED CASE NUMBER IN CLOSE-OUT DOCUMENTATION.

FEATURES/ACCESSORIES:

1. EVAPORATOR LOW LIMIT TEMPERATURE AND TIME DELAY AUTOMATIC RESTART CONTROLS FOR EACH CIRCUIT.
2. HEAD PRESSURE CONTROL KIT.
3. FACTORY MOUNTED AND POWERED GFI CONVENIENCE OUTLET.
4. SINGLE POINT POWER CONNECTION WITH INTEGRAL DISCONNECT.
5. HINGED ACCESS DOORS, WEATHERPROOF GASKETED SEALS AND TOOL-LESS QUARTER TURN LATCHES ON COMPRESSOR, EVAPORATOR FAN, CONTROLS AND AIR FILTER SECTIONS.
6. PHASE LOSS/PHASE REVERSAL, OVER/UNDER VOLTAGE AND BROWN OUT ELECTRICAL PROTECTION ON ENTIRE UNIT.
7. THRU-BASE ELECTRICAL CONNECTION.
8. HEAVY DUTY CONDENSER COIL HAIL GUARDS.
9. ROOF CURB OR ADAPT-A-CURB AS INDICATED ON DRAWINGS (SEE DETAIL).
10. LOW AMBIENT CONTROLS DOWN TO 0°F.
11. 2-POSITION CONTROL HOT GAS REHEAT COIL.
12. MOTORIZED OUTSIDE AIR DAMPER.
13. PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE
14. FULL ECONOMIZER WITH DIFFERENTIAL ENTHALPY BASED CONTROLS AND POWERED RELIEF FAN.
15. VFD FOR VARIABLE AIR VOLUME CONTROL.
16. HORIZONTAL DUCT CONNECTIONS OR SOLID BOTTOM HORIZONTAL DISCHARGE CURB. SEE DETAIL.
17. DUCT MOUNTED SUPPLY AND RETURN SMOKE DETECTORS WIRED TO SHUT-DOWN UNIT UPON DETECTION OF PRODUCTS OF COMBUSTION. COORDINATE INTERLOCK WITH FIRE ALARM SYSTEM WHERE ONE EXISTS.

COMPARABLE PRODUCTS:

TRANE, CARRIER, YORK, DAIKIN, LENNOX OR APPROVED

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

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Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#:110-077

M-404
Mechanical Schedules

HEAT RECOVERY UNITS SCHEDULE

MARK	HEAT EXCHANGER DESIGN CONDITIONS – OUTSIDE AIR / SUPPLY AIR SIDE: CFM	EXT. S.P. IN W.G.	WINTER E.A.T. ºF D.B.	WINTER E.A.T. ºF W.B.	WINTER L.A.T. ºF D.B.	WINTER L.A.T. ºF W.B.	SUMMER E.A.T. ºF D.B.	SUMMER E.A.T. ºF W.B.	SUMMER L.A.T. ºF D.B.	SUMMER L.A.T. ºF W.B.	EXHAUST AIR / RETURN AIR SIDE: CFM	EXT. S.P. IN W.G.	WINTER E.A.T. ºF D.B.	WINTER E.A.T. ºF W.B.	WINTER L.A.T. ºF D.B.	WINTER L.A.T. ºF W.B.	SUMMER E.A.T. ºF D.B.	SUMMER E.A.T. ºF W.B.	SUMMER L.A.T. ºF D.B.	SUMMER L.A.T. ºF W.B.
AW JAMES ELEMENTARY																				
HRU-AW-01	1,700	1.25	22.0	18.3	49.7	41.3	95.6	76.7	83.5	69.1	1,250	1.00	72.0	55.8	32.8	28.7	75.0	62.5	91.0	73.8
HRU-AW-02	2,325	1.25	22.0	18.3	51.6	42.7	95.6	76.7	82.8	68.6	1,850	1.00	72.0	55.8	33.5	29.2	75.0	62.5	90.8	73.6
DREW HUNTER MIDDLE SCHOOL																				
HRU-DH-01	2,300	1.25	22.0	18.3	53.6	44.0	95.6	76.7	82.0	68.1	1,950	1.00	72.0	55.8	34.4	30.0	75.0	62.5	90.4	73.4
HRU-DH-02	1,475	1.25	22.0	18.3	47.9	40.1	95.6	76.7	84.2	69.5	950	1.00	72.0	55.8	30.8	26.8	75.0	62.5	91.9	74.4
LOCKARD ELEMENTARY																				
HRU-LE-01	2,450	1.25	22.0	18.3	48.7	40.6	95.6	76.7	84.0	69.4	1,950	1.00	72.0	55.8	34.7	30.2	75.0	62.5	90.3	73.3
HRU-LE-02	2,975	1.25	22.0	18.3	51.3	42.4	95.6	76.7	82.9	68.7	2,425	1.00	72.0	55.8	33.9	29.6	75.0	62.5	90.6	73.5
HRU-LE-03	2,850	1.25	22.0	18.3	51.0	42.2	95.6	76.7	83.0	68.8	2,250	1.00	72.0	55.8	35.2	30.7	75.0	62.5	90.0	73.1
RULEVILLE ELEMENTARY																				
HRU-RE-01	1,250	1.25	22.0	18.3	56.0	45.6	95.6	76.7	81.0	67.4	1,125	1.00	72.0	55.8	33.1	29.0	75.0	62.5	91.0	73.7
HRU-RE-02	2,225	1.25	22.0	18.3	55.2	45.0	95.6	76.7	81.4	67.8	1,750	1.00	72.0	55.8	30.0	26.5	75.0	62.5	92.1	74.3
RULEVILLE MIDDLE																				
HRU-RM-01	2,675	1.25	22.0	18.3	52.6	43.3	95.6	76.7	82.4	68.4	2,450	1.00	72.0	55.8	36.3	31.5	75.0	62.5	89.6	72.8

MARK	COOLING CAPACITY (ALL VALUES LISTED ARE NET CAPACITIES) – DESIGN CONDITIONS: OUTSIDE AIR TEMP. D.B.	OUTSIDE AIR TEMP. W.B.	COIL E.A.T. ºF D.B.	COIL E.A.T. ºF W.B.	COIL L.A.T. ºF D.B.	COIL L.A.T. ºF W.B.	TOTAL MBH	SENS. MBH	MIN. NO. OF STAGES	MIN. ISMRE	HEATING CAPACITY (REHEAT POSITION) – COOLING AND DEHUMIDIFICATION MODE: HOT GAS REHEAT COIL CAPACITY (MBH)	HEATING MODE – SECONDARY HEATING MODE: FUEL	MAX. INPUT MBH	MIN. MOD. TURNDOWN	MIN. A.F.U.E.
AW JAMES ELEMENTARY															
HRU-AW-01	95.6	76.7	83.5	69.1	56.1	55.7	74	51	1	8.9	45	N. GAS	100	16:1	80%
HRU-AW-02	95.6	76.7	82.8	68.6	52.0	51.5	123	79	2	6.8	58	N. GAS	100	16:1	80%
DREW HUNTER MIDDLE SCHOOL															
HRU-DH-01	95.6	76.7	82.0	68.1	54.9	54.7	96	67	1	8.3	59	N. GAS	100	16:1	80%
HRU-DH-02	95.6	76.7	84.2	69.5	54.3	54.0	72	48	1	8.9	48	N. GAS	100	16:1	80%
LOCKARD ELEMENTARY															
HRU-LE-01	95.6	76.7	84.0	69.4	53.4	53.2	156	102	2	6.1	74	N. GAS	200	16:1	80%
HRU-LE-02	95.6	76.7	82.9	68.7	53.0	52.4	125	81	2	6.8	59	N. GAS	100	16:1	80%
HRU-LE-03	95.6	76.7	83.0	68.8	54.8	54.2	128	85	2	6.8	62	N. GAS	200	16:1	80%
RULEVILLE ELEMENTARY															
HRU-RE-01	95.6	76.7	81.0	67.4	49.6	49.5	67	43	1	8.9	41	N. GAS	100	16:1	80%
HRU-RE-02	95.6	76.7	84.4	67.8	54.1	53.8	95	65	1	8.3	58	N. GAS	100	16:1	80%
RULEVILLE MIDDLE															
HRU-RM-01	95.6	76.7	82.4	68.4	54.0	53.3	127	84	2	6.8	61	N. GAS	200	16:1	80%

MARK	ELECTRICAL DATA: SUPPLY FAN HP.	RETURN/ EXHAUST FAN HP.	HEAT EXCHANGER WHEEL MOTOR HP.	SERVICE	MCA	MOCP	UNIT WEIGHT (LBS.)	BASIS OF DESIGN	FEATURES/ACCESSORIES	MARK
AW JAMES ELEMENTARY										
HRU-AW-01	1-1/2	1	1/6	208V.,3ph	30.4	40	3,500	GREENHECK MODEL RVE-40-30-30H-5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-AW-01
HRU-AW-02	2	1-1/2	1/6	208V.,3ph	52.9	60	3,800	GREENHECK MODEL RVE-40-36-30H-10I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-AW-02
DREW HUNTER MIDDLE SCHOOL										
HRU-DH-01	2	1-1/2	1/6	208V.,3ph	38.3	50	3,600	GREENHECK MODEL RVE-40-36-30H-7.5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-DH-01
HRU-DH-02	1-1/2	1	1/6	208V.,3ph	30.4	40	3,500	GREENHECK MODEL RVE-40-30-30H-5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-DH-02
LOCKARD ELEMENTARY										
HRU-LE-01	3	1-1/2	1/6	208V.,3ph	60.4	80	3,900	GREENHECK MODEL RVE-40-36-30H-12.5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-LE-01
HRU-LE-02	2	1-1/2	1/6	208V.,3ph	52.9	60	3,800	GREENHECK MODEL RVE-40-36-30H-10I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-LE-02
HRU-LE-03	3	1-1/2	1/6	208V.,3ph	55.6	70	3,800	GREENHECK MODEL RVE-40-36-30H-10I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-LE-03
RULEVILLE ELEMENTARY										
HRU-RE-01	1	1	1/6	240V.,3ph	29.0	40	3,500	GREENHECK MODEL RVE-40-30-30H-5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-RE-01
HRU-RE-02	2	1-1/2	1/6	240V.,3ph	38.3	50	3,600	GREENHECK MODEL RVE-40-36-30L-7.5I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-RE-02
RULEVILLE MIDDLE										
HRU-RM-01	2	1-1/2	1/6	208V.,3ph	52.9	60	3,800	GREENHECK MODEL RVE-40-36-30H-10I	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	HRU-RM-01

NOTES:
1. ALSO DEFINED AS NUMBER OF INDEPENDENT REFRIGERANT CIRCUITS.
2. MINIMUM REHEAT CAPACITY COINCIDENT WITH ONLY LEAD CIRCUIT COOLING SYSTEM ENERGIZED.
3. SEE SPECIFICATIONS FOR MORE INFORMATION AND CONTROL SEQUENCES.
4. SEE SPECIFICATIONS FOR COORDINATION OF SMOKE DETECTORS.
5. ALL UNITS SHALL UTILIZE R-410A REFRIGERANT.
6. UNIT SHALL BE STARTED UP AND CHECKED OUT BY A FACTORY SERVICE REPRESENTATIVE. PROVIDE COPY OF START-UP REPORT AND MANUFACTURER'S REGISTERED CASE NUMBER IN CLOSE-OUT DOCUMENTATION.

FEATURES/ACCESSORIES:
1. EVAPORATOR LOW LIMIT TEMPERATURE AND TIME DELAY AUTOMATIC RESTART CONTROLS FOR EACH CIRCUIT.
2. SPLIT-FACE EVAPORATOR COIL DESIGN.
3. EQUIPMENT VIBRATION ISOLATION CURBS.
4. VARIABLE SPEED COMPRESSOR ON LEAD COMPRESSOR REFRIGERANT CIRCUITS.
5. MODULATING OUTSIDE AIR AND RETURN AIR DAMPERS (COORDINATE ACTUATOR REQUIREMENTS WITH CONTROLS CONTRACTOR).
6. THRU-BASE ELECTRICAL CONNECTION.
7. FACTORY MOUNTED AND POWERED GFI CONVENIENCE OUTLET.
8. FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
9. 2" DEEP FILTER RACK.
10. HINGED ACCESS DOORS, WEATHER PROOF GASKETED SEALS AND TOOL-LESS QUARTER TURN LATCHES ON COMPRESSOR, EVAPORATOR FAN, CONTROLSAND AIR FILTER SECTIONS.
11. ROOF CURB (SEE DETAIL).
12. MODULATING HOT GAS REHEAT COIL.
13. DUCT MOUNTED SUPPLY AND RETURN SMOKE DETECTORS WIRED TO SHUT-DOWN UNIT UPON DETECTION OF PRODUCTS OF COMBUSTION. COORDINATE INTERLOCK WITH FIRE ALARM SYSTEM WHERE ONE EXISTS.
14. PROVIDE WITH NEEDLEPOINT BIPLOAR DEVICE. SEE SCHEDULE.

COMPARABLE PRODUCTS:
AAON, VALENT

OUTSIDE AIR UNITS SCHEDULE

MARK (INDOOR UNIT)	MARK (OUTDOOR UNIT)	AIRFLOW DATA: TOTAL SUPPLY CFM	EXT. S.P. IN. W.G.	COOLING CAPACITY (ALL VALUES LISTED ARE NET CAPACITIES) – DESIGN CONDITIONS: OUTSIDE AIR TEMP. D.B.	OUTSIDE AIR TEMP. W.B.	COIL E.A.T. ºF D.B.	COIL E.A.T. ºF W.B.	COIL L.A.T. ºF D.B.	COIL L.A.T. ºF W.B.	TOTAL MBH	SENS. MBH	MIN. NO. OF STAGES	MIN. ISMRE
RULEVILLE ELEMENTARY													
OAU-RE-01	OAU-CU-RE-01	1,000	1.00	95.0	76.7	95.0	76.7	55.0	54.8	94.4	57.4	INVERTER	7.8

MARK (INDOOR UNIT)	HEATING CAPACITY (REHEAT POSITION) – COOLING AND DEHUMIDIFICATION MODE: HOT GAS REHEAT COIL CAPACITY (MBH)	HEATING MODE: TOTAL MBH	ELECTRICAL DATA – INDOOR UNIT: SUPPLY FAN HP.	SERVICE	MCA	MOCP	OUTDOOR UNIT: SERVICE	MCA	MOCP	INDOOR UNIT WEIGHT (LBS.)	BASIS OF DESIGN: INDOOR UNIT	OUTDOOR UNIT	FEATURES/ACCESSORIES	MARK
RULEVILLE ELEMENTARY														
OAU-RE-01	16.3	63.3	1	240V.,1ph	7.5	15	240V.,3ph	30.9	40	400	LG MODEL ARND153DCR4	LG MODEL ARUM121BTE5	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	OAU-RE-01

NOTES:
1. ALSO DEFINED AS NUMBER OF INDEPENDENT REFRIGERANT CIRCUITS.
2. MINIMUM REHEAT CAPACITY COINCIDENT WITH ONLY LEAD CIRCUIT COOLING SYSTEM ENERGIZED.
3. SEE SPECIFICATIONS FOR MORE INFORMATION AND CONTROL SEQUENCES.
4. SEE SPECIFICATIONS FOR COORDINATION OF SMOKE DETECTORS.
5. ALL UNITS SHALL UTILIZE R-410A REFRIGERANT.

FEATURES/ACCESSORIES:
1. EVAPORATOR LOW LIMIT TEMPERATURE AND TIME DELAY AUTOMATIC RESTART CONTROLS FOR EACH CIRCUIT.
2. SPLIT-FACE EVAPORATOR COIL DESIGN.
3. EQUIPMENT VIBRATION ISOLATION CURBS.
4. VARIABLE SPEED COMPRESSOR ON LEAD COMPRESSOR REFRIGERANT CIRCUITS.
5. MODULATING OUTSIDE AIR AND RETURN AIR DAMPERS (COORDINATE ACTUATOR REQUIREMENTS WITH CONTROLS CONTRACTOR).
6. THRU-BASE ELECTIRCAL CONNECTION.
7. FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
8. 2" DEEP FILTER RACK.
9. HINGED ACCESS DOORS, WEATHER PROOF GASKETED SEALS AND QUARTER TURN LATCHES ON COMPRESSOR, EVAPORATOR FAN, CONTROLSAND AIR FILTER SECTIONS.
10. MODULATING HOT GAS REHEAT COIL.
11. PROVIDE WITH NEEDLEPOINT BIPOLAR DEVICE. SEE SCHEDULE.

AIR HANDLING UNIT (DX COOLING)

MARK	TOTAL DESIGN CFM	EXT. S.P. IN. W.G.	COOLING CAPACITY: TOTAL MBH	SENS. MBH	E.A.T., ºF D.B.	E.A.T., ºF W.B.	L.A.T., ºF D.B.	L.A.T., ºF W.B.	REFRIGERANT TYPE	NUMBER OF CIRCUITS	ELECTRICAL DATA: FAN HP	ELECTRICAL SERVICE	MCA	MOCP	BASIS OF DESIGN	MATCHED TO
MERRITT MIDDLE SCHOOL																
AHU-MM-01	6,000	1.00	193.7	147.1	80.0	67.0	58.6	57.0	R-410A	2	5	208V.,3ph	18	30	TRANE MODEL TWE-180 (DUAL REFRIGERANT CIRCUIT)	CU-MM-26
AHU-MM-02	6,000	1.00	193.7	147.1	80.0	67.0	58.6	57.0	R-410A	2	5	208V.,3ph	18	30	TRANE MODEL TWE-180 (DUAL REFRIGERANT CIRCUIT)	CU-MM-27
AHU-MM-03	8,000	1.00	253.6	188.5	80.0	67.0	59.4	57.2	R-410A	2	5	208V.,3ph	18	30	TRANE MODEL TWE-240 (DUAL REFRIGERANT CIRCUIT)	CU-MM-28

GENERAL NOTES:

1. ALL RATINGS ARE AT SPECIFIED DESIGN DAY, CFM AND EXTERNAL STATIC PRESSURE CONDITIONS.
2. PROVIDE ALL UNITS WITH 2" THICK FILTER RACK. SEE SPECIFICATIONS FOR FILTER TYPES.
3. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
4. PROVIDE ONE POINT ELECTRICAL CONNECTIONS FOR ALL INDOOR UNITS.
5. PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE
6. DUCT MOUNTED SUPPLY AND RETURN SMOKE DETECTORS WIRED TO SHUT-DOWN UNIT UPON DETECTION OF PRODUCTS OF COMBUSTION. COORDINATE INTERLOCK WITH FIRE ALARM SYSTEM WHERE ONE EXISTS.
7. PROVIDE WITH BACNET COMMUNICATION CARD

COMPARABLE PRODUCTS:
TRANE, YORK, CARRIER, DAIKIN

DUCT FURNACE SCHEDULE

MARK	SYSTEM	CFM	MAX. A.P.D., in. w.g.	FUEL	INPUT, MBH	OUTPUT, MBH	E.A.T., °F	L.A.T., °F	ELECTRICAL DATA (CONTROLS)	FLUE OUTLET DIA. (IN.)	COMB. INLET DIA. (IN.)	BASIS OF DESIGN
MERRITT MIDDLE SCHOOL												
DF-MM-01	AHU-MM-01	6,000	0.20	N. GAS	250	200	60	95.0	120V.,1ph	6"	6"	REZNOR MODEL SC (SIZE 250)
DF-MM-02	AHU-MM-02	6,000	0.20	N. GAS	250	200	60	95.0	120V.,1ph	6"	6"	REZNOR MODEL SC (SIZE 250)
DF-MM-03	AHU-MM-03	8,000	0.20	N. GAS	400	320	60	95.0	120V.,1ph	6"	6"	REZNOR MODEL SC (SIZE 400)

NOTES:

1. ALL UNITS SHALL BE PROVIDED WITH STAINLESS STEEL HEAT EXCHANGER WITH DRAIN PAN AND 2-STAGE CAPACITY AND CONTROLS.

2. PROVIDE A DIFFERENTIAL PRESSURE SWITCH ON EITHER SIDE OF DUCT FURNACE INSTALLATION TO ACT AS AN AIR-PROVING SWITCH AND INTERLOCK SAME WITH BURNER TO DE-ENERGIZE BURNER CONTROLS UPON FAILURE OF ADEQUATE AIRFLOW.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM STAHS
LICENSED PROFESSIONAL ENGINEER
15585
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STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 110-077

M-405

Mechanical Schedules

CONDENSING UNIT SCHEDULE

MARK	COOLING CAPACITY: OUTDOOR D.B., °F	COOLING CAPACITY: TOTAL MBH	COOLING CAPACITY: MIN. S.E.E.R.	ELECTRICAL: SERVICE	ELECTRICAL: MCA	ELECTRICAL: MOCP	BASIS OF DESIGN	MATCHED TO
AW JAMES ELEMENTARY								
CU-AW-01	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-AW-01
CU-AW-02	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-AW-02
CU-AW-03	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-AW-03
CU-AW-04	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-AW-04
CU-AW-05	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-AW-05
CU-AW-06	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-AW-06
~~CU-AW-07~~	~~95~~	~~23.3~~	~~14.0~~	~~208V.,1ph~~	~~14.0~~	~~20~~	~~TRANE MODEL 4TTR4024~~	~~FE-AW-07~~
CU-AW-08a	95	48.0	14.0	208V.,1ph	24.0	40	TRANE MODEL 4TTR4048	FE-AW-08a
CU-AW-08b	95	48.0	14.0	208V.,1ph	24.0	40	TRANE MODEL 4TTR4048	FE-AW-08b
CU-AW-09a	95	48.0	14.0	208V.,1ph	24.0	40	TRANE MODEL 4TTR4048	FE-AW-09a
CU-AW-09b	95	48.0	14.0	208V.,1ph	24.0	40	TRANE MODEL 4TTR4048	FE-AW-09b
CARVER ELEMENTARY								
CU-CE-01	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-01
CU-CE-02	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-02
CU-CE-03	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-03
CU-CE-04	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-04
CU-CE-05	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-05
CU-CE-06	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-06
CU-CE-07	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-07
CU-CE-08	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-08
CU-CE-09	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-09
CU-CE-10	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-10
CU-CE-11	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-11
CU-CE-12	95	33.9	14.0	240V.,3ph	12.0	20	TRANE MODEL 4TTA4036	FE-CE-12
CU-CE-13	95	120.0	12.7 EER	240V.,3ph	41.0	50	TRANE MODEL TTA120	FE-CE-13a,b
CU-CE-14	95	48.0	14.0	240V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-CE-14
CU-CE-15	95	48.0	14.0	240V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-CE-15
CU-CE-16	95	48.0	14.0	240V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-CE-16
CU-CE-17	95	60.0	15.0	240V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-CE-17
DREW HUNTER MIDDLE SCHOOL								
CU-DH-01	95	48.0	14.0	208V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-DH-01
CU-DH-02	95	48.0	14.0	208V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-DH-02
CU-DH-03	95	48.0	14.0	208V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-DH-03
CU-DH-04	95	48.0	14.0	208V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-DH-04
MERRITT MIDDLE SCHOOL								
CU-MM-01	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-01
CU-MM-02	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-02
CU-MM-03	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-03
CU-MM-04	95	48.0	14.0	208V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-MM-04
CU-MM-05	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-05
CU-MM-06	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-06
CU-MM-07	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-07
CU-MM-08	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-08
CU-MM-09	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-09
CU-MM-10	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-10
CU-MM-11	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-11
CU-MM-12	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-12
CU-MM-13	EXISTING UNIT TO REMAIN IN SERVICE							FE-MM-13a,b
CU-MM-14	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-14
CU-MM-15	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-15
CU-MM-16	95	48.0	14.0	208V.,3ph	18.0	30	TRANE MODEL 4TTA4048	FE-MM-16
CU-MM-17	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-17
CU-MM-18	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-18
CU-MM-19	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-19
CU-MM-20	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-20
CU-MM-21	95	60.0	15.0	208V.,3ph	22.0	35	TRANE MODEL 4TTA7060	FE-MM-21
CU-MM-22	95	42.0	14.0	208V.,3ph	15.0	35	TRANE MODEL 4TTA4042	FE-MM-22
CU-MM-23	EXISTING UNIT TO REMAIN IN SERVICE							FE-MM-23
CU-MM-24	95	120.0	12.7 EER	208V.,3ph	41.0	50	TRANE MODEL TTA120	FE-MM-24a,b
CU-MM-25	95	120.0	12.7 EER	208V.,3ph	41.0	50	TRANE MODEL TTA120	FE-MM-25a,b
CU-MM-26	95	180.0	12.7 EER	208V.,3ph	74.0	100	TRANE MODEL TTA180	AHU-MM-01
CU-MM-27	95	180.0	12.7 EER	208V.,3ph	74.0	100	TRANE MODEL TTA180	AHU-MM-02
CU-MM-28	95	180.0	12.7 EER	208V.,3ph	74.0	100	TRANE MODEL TTA180	AHU-MM-03
RULEVILLE MIDDLE SCHOOL								
CU-RM-01	95	33.5	14.0	208V.,1ph	18.0	30	TRANE MODEL 4TTR4036	FE-RM-01

COMPARABLE PRODUCTS:
LENNOX, TRANE, CARRIER, YORK

NOTES:

1. ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES, HARD SHUTOFF KIT, LIQUID LINE FILTER DRYER AND WARRANTY AS SPECIFIED.
2. ALL UNITS SHALL BE PROVIDED WITH HEAVY DUTY FACTORY COIL GUARD. SEE MECHANICAL SPECIFICATIONS FOR CLARITY.
3. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
4. PROVIDE LOW AMBIENT CONTROLS/CAPABILITY.

FURNACE WITH DX COOLING SCHEDULE

MARK	TYPE	TOTAL CFM	O.A. CFM	E.S.P. IN. W.G.	HEATING DATA: FUEL	HEATING DATA: INPUT MBH	HEATING DATA: OUTPUT MBH	DX COOLING CAPACPITY: MAX. A.P.D., IN. W.G.	DX COOLING CAPACPITY: E.A.T. °F D.B.	DX COOLING CAPACPITY: E.A.T. °F W.B.	DX COOLING CAPACPITY: TOTAL MBH	DX COOLING CAPACPITY: SENS. MBH	ELECTRICAL DATA: SERVICE	ELECTRICAL DATA: FAN HP	BASIS OF DESIGN: FURNACE	BASIS OF DESIGN: EVAPORATOR	MATCHED TO
AW JAMES ELEMENTARY																	
FE-AW-01	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-AW-01
FE-AW-02	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-AW-02
FE-AW-03	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-AW-03
FE-AW-04	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-AW-04
FE-AW-05	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-AW-05
FE-AW-06	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-AW-06
~~FE-AW-07~~	~~VERT.~~	~~700~~	~~50~~	~~0.90~~	~~N. GAS~~	~~40~~	~~39~~	~~0.20~~	~~80~~	~~67~~	~~23~~	~~17~~	~~120V.,1ph~~	~~0.5~~	~~TRANE MODEL S9V2B040~~	~~TRANE MODEL 4TXCB003~~	~~CU-AW-07~~
FE-AW-08a	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-AW-08a
FE-AW-08b	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-AW-08b
FE-AW-09a	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-AW-09a
FE-AW-09b	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-AW-09b
CARVER ELEMENTARY																	
FE-CE-01	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-01
FE-CE-02	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-02
FE-CE-03	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-03
FE-CE-04	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-04
FE-CE-05	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-05
FE-CE-06	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-06
FE-CE-07	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-07
FE-CE-08	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-08
FE-CE-09	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-09
FE-CE-10	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-10
FE-CE-11	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-11
FE-CE-12	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-CE-12
FE-CE-13a	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-CE-13
FE-CE-13b	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-CE-13
FE-CE-14	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-CE-14
FE-CE-15	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-CE-15
FE-CE-16	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-CE-16
FE-CE-17	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-CE-17
DREW HUNTER MIDDLE SCHOOL																	
FE-DH-01	HORIZ.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-DH-01
FE-DH-02	HORIZ.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-DH-02
FE-DH-03	HORIZ.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-DH-03
FE-DH-04	HORIZ.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-DH-04
MERRITT MIDDLE SCHOOL																	
FE-MM-01	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-01
FE-MM-02	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-02
FE-MM-03	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-03
FE-MM-04	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-MM-04
FE-MM-05	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-05
FE-MM-06	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-06
FE-MM-07	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-07
FE-MM-08	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-08
FE-MM-09	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-09
FE-MM-10	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-10
FE-MM-11	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-11
FE-MM-12	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-12
FE-MM-13a	EXISTING UNIT TO REMAIN IN SERVICE																CU-MM-13
FE-MM-13b	EXISTING UNIT TO REMAIN IN SERVICE																CU-MM-13
FE-MM-14	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-14
FE-MM-15	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-15
FE-MM-16	VERT.	1,400	200	0.90	N. GAS	80	78	0.25	80	67	48	34	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCC007	CU-MM-16
FE-MM-17	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-17
FE-MM-18	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-18
FE-MM-19	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-19
FE-MM-20	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-20
FE-MM-21	VERT.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-21
FE-MM-22	VERT.	1,200	200	0.90	N. GAS	60	58	0.25	80	67	41	29	120V.,1ph	0.75	TRANE MODEL S9V2B060	TRANE MODEL 4TXCB006	CU-MM-22
FE-MM-23	EXISTING UNIT TO REMAIN IN SERVICE																CU-MM-23
FE-MM-24a	HORIZ.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-24
FE-MM-24a	HORIZ.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-24
FE-MM-25a	HORIZ.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-25
FE-MM-25a	HORIZ.	1,750	200	0.90	N. GAS	80	78	0.25	80	67	58	39	120V.,1ph	1	TRANE MODEL S9V2C080	TRANE MODEL 4TXCD010	CU-MM-25
RULEVILLE MIDDLE SCHOOL																	
FE-RM-01	VERT.	1,050	200	0.90	N. GAS	40	39	0.25	80	67	34	24	120V.,1ph	0.5	TRANE MODEL S9V2B040	TRANE MODEL 4TXCB006	CU-RM-01

NOTES:

1. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
2. PROVIDE ONE POINT ELECTRICAL CONNECTIONS FOR ALL INDOOR UNITS.
3. PROVIDE WITH NEEDLE POINT IONIZATION DEVICES PER SCHEDULE.

COMPARABLE PRODUCTS:
LENNOX, TRANE, CARRIER, YORK

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM STARKS
LICENSED PROFESSIONAL ENGINEER
15585
2/2/22
STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK
MECHANICAL
Consulting Engineering
GSK#: 110-077

M-406

Mechanical Schedules

FAN SCHEDULE

MARK	TYPE [1]	CONTROL SEQ. [2]	OPERATING CFM	S.P. in W.G.	R.P.M.	MAX. SONES	MOTOR DATA H.P.	MOTOR DATA B.H.P.	MOTOR DATA WATTS	ELEC. SERVICE	DRIVE	BASIS OF DESIGN	FEATURES/ACCESSORIES
CARVER ELEMENTARY													
EF-CE-01	B	A	750	0.375	1,725	11.9	1/4	0.18	-	120V.,1ph	DIRECT	GREENHECK MODEL G-098	1, 2, 3, 4, 9, 10, 11, 12
EF-CE-02	B	A	600	0.375	1,459	8.9	1/4	0.11	-	120V.,1ph	DIRECT	GREENHECK MODEL G-098	1, 2, 3, 4, 9, 10, 11, 12
EF-CE-03	B	A	750	0.375	1,725	11.9	1/4	0.18	-	120V.,1ph	DIRECT	GREENHECK MODEL G-098	1, 2, 3, 4, 9, 10, 11, 12
EF-CE-04	B	A	600	0.375	1,459	8.9	1/4	0.11	-	120V.,1ph	DIRECT	GREENHECK MODEL G-098	1, 2, 3, 4, 9, 10, 11, 12
EF-CE-05	B	A	600	0.375	1,459	8.9	1/4	0.11	-	120V.,1ph	DIRECT	GREENHECK MODEL G-098	1, 2, 3, 4, 9, 10, 11, 12
DREW HUNTER MIDDLE SCHOOL													
EF-DH-01	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-DH-02	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-DH-03	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-DH-04	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-DH-05	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
EF-DH-06	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
LOCKARD ELEMENTARY													
EF-LE-01	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
EF-LE-02	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
MERRITT MIDDLE SCHOOL													
EF-MM-01	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-02	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-03	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-04	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-05	B	A	150	0.375	1,506	4.1	1/30	0.02	-	120V.,1ph	DIRECT	GREENHECK MODEL G-070	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-06	B	A	150	0.375	1,506	4.1	1/30	0.02	-	120V.,1ph	DIRECT	GREENHECK MODEL G-070	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-07	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-08	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-09	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
EF-MM-10	B	A	375	0.375	1,300	5.6	1/25	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL G-090	1, 2, 3, 4, 9, 10, 11, 12
RULEVILLE ELEMENTARY													
EF-RE-01	A	B	375	0.375	1,047	4.0	-	-	224	120V.,1ph	DIRECT	GREENHECK MODEL SP-A510	1, 2, 3, 4, 5, 6, 7, 8
EF-RE-02	A	B	375	0.375	1,047	4.0	-	-	224	120V.,1ph	DIRECT	GREENHECK MODEL SP-A510	1, 2, 3, 4, 5, 6, 7, 8
EF-RE-03	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
EF-RE-04	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
EF-RE-05	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
RULEVILLE MIDDLE SCHOOL													
EF-RM-01	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-RM-02	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-RM-03	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-RM-04	C	A	225	0.375	1,381	6.2	1/20	0.04	-	120V.,1ph	DIRECT	GREENHECK MODEL CUE-080	1, 2, 3, 4, 7, 9, 10, 13
EF-RM-05	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7
EF-RM-06	A	A	75	0.375	768	1.0	-	-	80	120V.,1ph	DIRECT	GREENHECK MODEL SP-B110	1, 2, 3, 4, 5, 6, 7

[1] TYPE - SEE DETAILS FOR MORE INFORMATION:

A. CEILING CABINET TYPE
B. ROOF MOUNTED DOWNBLAST
C. SIDEWALL MOUNTED CENTRIFUGAL

[2] CONTROL SEQUENCE:

A. EXHAUST FAN SHALL BE INTERLOCKED WITH LIGHT OCCCUPANCY SENSOR IN SAME ROOM FAN SERVES. RELAY REQUIRED WHEN MULTIPLE ROOMS ARE SERVED FROM SAME EXHAUST FAN SUCH THAT OCCUPANCY SENSOR IN EITHER ROOM WILL ENERGIZE THE FAN.

B. EXHAUST FANS SHALL BE INTERLOCKED TO OPERATE IN CONJUNCTION WITH OUTSIDE AIR UNIT (OAU) SERVING BUILDING BASED ON OWNER'S OCCUPANCY SCHEDULE.

COMPARABLE PRODUCTS:
GREENHECK, COOK, PENN-BARRY

[3] FEATURES/ACCESSORIES:

PROVIDE THE FOLLOWING MANUFACTURER'S ACCESSORIES

1. UL AND AMCA RATING
2. FACTORY MOUNTED & WIRED DISCONNECT
3. BACKDRAFT DAMPER
4. FACTORY MOUNTED & WIRED SOLID STATE SPEED CONTROLLER
5. ALUMINUM GRILLE
6. SIDEWALL HOODED DISCHARGE CAP
7. KYNAR FINISH ON EXTERIOR COMPONENTS (CUSTOM COLOR SELECTION BY ARCHITECT)
8. MOTOR STARTER
9. BIRDSCREEN
10. TOOLESS CAP REMOVAL
11. ADAPT-A-CURB
12. CURB SEAL
13. INLET LOUVER

THRU-WALL HEAT PUMP UNIT SCHEDULE

MARK	TOTAL CFM	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY MIN. E.E.R.	HEATING CAPACITY TOT. REV. CYCLE MBH	HEATING CAPACITY AUX. HEAT KW	HEATING CAPACITY MIN. C.O.P.	ELECTRICAL DATA SERVICE	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP	BASIS OF DESIGN
MERRITT MIDDLE SCHOOL										
TWU-MM-01	245	9.0	12.0	8.1	-	3.4	208V.,1ph	5.1	15	AMANA MODEL PTH093G
TWU-MM-02	245	9.0	12.0	8.1	-	3.4	208V.,1ph	5.1	15	AMANA MODEL PTH093G
TWU-MM-03	245	9.0	12.0	8.1	-	3.4	208V.,1ph	5.1	15	AMANA MODEL PTH093G
TWU-MM-04	245	9.0	12.0	8.1	-	3.4	208V.,1ph	5.1	15	AMANA MODEL PTH093G
TWU-MM-05	245	9.0	12.0	8.1	-	3.4	208V.,1ph	5.1	15	AMANA MODEL PTH093G
TWU-MM-06	245	9.0	12.0	8.1	-	3.4	208V.,1ph	5.1	15	AMANA MODEL PTH093G

NOTES:

1. CONTRACTOR SHALL WEATHER PROOF ALL NEW INSTALLATIONS AS PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE ARCHITECTURAL STYLE LOUVER (VERIFY COLOR WITH ARCHITECT), SUBBASE ASSEMBLY, HARD WIRE KIT WITH OPTIONAL POWER SWITCH (DISCONNECT).
3. PROVIDE WITH INTEGRAL DRAIN KIT FOR PIPED DRAIN.
4. PROVIDE WITH NEEDLEPOINT BIPOLAR DEVICE. SEE SCHEDULE.

INDOOR HEAT PUMP MULTI-ZONE UNIT SCHEDULE

MARK	TYPE	TOTAL CFM	E.S.P. IN. W.G.	HEATING CAPACITY INDOOR D.B., °F	HEATING CAPACITY OUTDOOR D.B., °F	HEATING CAPACITY TOT. REV. CYCLE MBH	COOLING CAPACITY ENT. COND. D.B.	COOLING CAPACITY ENT. COND. W.B.	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY SENS. MBH	REFRIGERANT PIPE SIZING LIQUID LINE	REFRIGERANT PIPE SIZING VAPOR LINE	ELECTRICAL DATA ELECTRICAL SERVICE	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP	LG	FEATURES/ ACCESSORIES	MATCHED TO
AW JAMES ELEMENTARY																		
IDU-AW-01a	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-AW-01
IDU-AW-01b	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-AW-01
IDU-AW-01c	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-AW-01
DREW HUNTER MIDDLE SCHOOL																		
IDU-DH-01a	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-DH-01
IDU-DH-01b	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-DH-01
IDU-DH-01c	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-DH-01
LOCKARD ELEMENTARY																		
IDU-LE-01a	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-LE-01
IDU-LE-01b	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-LE-01
IDU-LE-01c	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-LE-01
IDU-LE-01d	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-LE-01
IDU-LE-01e	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-LE-01
RULEVILLE MIDDLE SCHOOL																		
IDU-RM-01a	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-01b	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-01c	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-01d	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-02a	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-02b	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-02c	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-02d	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-03a	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-03b	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-03c	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01
IDU-RM-03d	A	250	-	70	47	8.5	80	67	7.50	6.1	1/4	1/2	208V.,1ph	0.31	15	LG MODEL ARNU073SJA4	1, 2, 3, 4, 5	ODU-RM-01

TYPE:

A. WALL MOUNTED

FEATURES AND ACCESSORIES:

1. REFRIGERANT PIPE SIZE AND CONFIGURATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
2. PROVIDE ONE POINT ELECTRICAL CONNECTION.
3. PROVIDE WITH MANUFACTURER'S THERMOSTAT EQUAL TO LG MODEL SIMPLE MA CONTROLLER.
4. PROVIDE WITH MANUFACTURER'S INTEGRAL CONDENSATE PUMP.
5. PROVIDE WITH NEEDLEPOINT BIPOLAR DEVICE. SEE SCHEDULE.

OUTDOOR HEAT PUMP MULTI-ZONE UNIT SCHEDULE

MARK	COOLING CAPACITY OUTDOOR D.B., °F	COOLING CAPACITY TOTAL MBH	HEATING CAPACITY TOTAL REVERSE CYCLE, MBH*	REFRIGERANT	ELECTRICAL DATA SERVICE	ELECTRICAL DATA MCA	ELECTRICAL DATA MOCP	BASIS OF DESIGN	MATCHED TO
AW JAMES ELEMENTARY									
ODU-AW-01	95	24.0	27.0	R410A	208V.,1ph	19.6	30	LG MODEL ARUN024GSS4	IDU-AW-01 (a,b & c)
DREW HUNTER MIDDLE SCHOOL									
ODU-DH-01	95	24.0	27.0	R410A	208V.,1ph	19.6	30	LG MODEL ARUN024GSS4	IDU-DH-01 (a,b & c)
LOCKARD ELEMENTARY									
ODU-LE-01	95	38.0	42.0	R410A	208V.,1ph	25	40	LG MODEL ARUN038GSS4	IDU-LE-01 (a thru e)
RULEVILLE MIDDLE SCHOOL									
ODU-RM-01	95	24.0	27.0	R410A	208V.,1ph	19.6	30	LG MODEL ARUN024GSS4	IDU-RM-01 (a,b,c & d)
ODU-RM-02	95	24.0	27.0	R410A	208V.,1ph	19.6	30	LG MODEL ARUN024GSS4	IDU-RM-02(a,b,c & d)
ODU-RM-03	95	24.0	27.0	R410A	208V.,1ph	19.6	30	LG MODEL ARUN024GSS4	IDU-RM-03 (a,b,c & d)

* BASED ON 47°F D.B. OUTSIDE AND 70 F D.B. INDOOR ENTERING COIL TEMPERATURE

NOTES:

1. ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES. HARD SHUTOFF KIT, LIQUID LINE FILTER DRYER & WARRANTY AS SPECIFIED.
2. REFRIGERANT PIPE SIZE AND CONFIGURATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE
3. CONTRACTOR SHALL CONNECT MANUFACTURER'S CONTROLS WIRING BEWTWEEN ALL OUTDOOR HEAT PUMP CONDENSING UNITS.
4. UNIT SHALL BE STARTED UP AND CHECKED OUT BY A FACTORY SERVICE REPRESENTATIVE. PROVIDE COPY OF START-UP REPORT AND MANUFACTURER'S REGISTERED CASE NUMBER IN CLOSE-OUT DOCUMENTATION.

INDOOR HEAT PUMP BLOWER COIL SCHEDULE

MARK	TYPE	TOTAL CFM	E.S.P. IN. W.G.	HEATING DATA INDOOR D.B., °F	HEATING DATA OUTDOOR D.B., °F	HEATING DATA TOT. REV. CYCLE MBH	HEATING DATA AUX. HEAT KW/STAGES	COOLING CAPACITY ENT. COND. D.B.	COOLING CAPACITY ENT. COND. W.B.	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY SENS. MBH	ELECTRICAL DATA AUX. HEATER SERVICE	ELECTRICAL DATA SUPPPLY FAN SERVICE	FAN HP	UNIT MCA	UNIT MOCP	REFRIGERANT	BASIS OF DESIGN	MATCHED TO
LOCKARD ELEMENTARY																			
HPBC-LE-01	HORIZ.	2,600	0.60	70.0	47.0	84.0	18.71 / 2	80	67	91.3	66.4	208V.,3ph	208V.,3ph	1	72	80	R410A	TRANE MODEL TWE-090 (DUAL REF. CIRCUIT)	HPCU-LE-01

NOTES:

1. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
2. PROVIDE WITH NEEDLEPOINT BIPOLAR DEVICE. SEE SCHEDULE.

COMPARABLE PRODUCTS:
LENNOX, TRANE, CARRIER, YORK

HEAT PUMP CONDENSING UNIT SCHEDULE

MARK	COOLING CAPACITY OUTDOOR D.B., °F	COOLING CAPACITY TOTAL MBH	COOLING CAPACITY MIN. E.E.R.	HEATING CAPACITY OUTSIDE AIR TEMP. D.B., °F	HEATING CAPACITY INDOOR TEMP. D.B., °F	HEATING CAPACITY TOTAL REVERSE CYCLE, MBH.*	HEATING CAPACITY C.O.P.	ELECTRICAL SERVICE	ELECTRICAL MCA	ELECTRICAL MOCP	BASIS OF DESIGN	MATCHED TO
LOCKARD ELEMENTARY												
HPCU-LE-01	95	91.3	11.2	47	70	84.0	3.3	208V.,3ph	32.0	40	TRANE MODEL TWA-090 (DUAL REF. CIRCUIT)	HPBC-LE-01

NOTES:

1. ALL UNITS TO BE PROVIDED WITH HIGH/LOW PRESSURE SWITCHES, HARD SHUTOFF KIT, LIQUID LINE FILTER DRYER AND WARRANTY AS SPECIFIED.
2. ALL UNITS SHALL BE PROVIDED WITH HEAVY DUTY FACTORY COIL GUARD. SEE MECHANICAL SPECIFICATIONS FOR CLARITY.
3. REFRIGERANT PIPE SIZE SHALL BE AS PER MANUFACTURER'S RECOMMENDATION TO PROVIDE SCHEDULED MINIMUM COOLING CAPACITY AND MAXIMUM EQUIPMENT LIFE.
4. PROVIDE LOW AMBIENT CONTROLS/CAPABILITY.

COMPARABLE PRODUCTS:
LENNOX, TRANE, CARRIER, YORK

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

KEVIN WILLIAM STOKER — LICENSED PROFESSIONAL ENGINEER — 15585 — 2/2/22 — STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#: 110-077

M-407
Mechanical Schedules

AIR TERMINALS SCHEDULE

MARK	TYPE	CFM RANGE	NECK SIZE	FACE SIZE	DEFLECTION	V.D.*	FACTORY INSULATION**	BASIS OF DESIGN	FEATURES/ACCESSORIES
1s	DUCT MOUNTED LOUVER FACE S/A DIFFUSER	25-50	8"x4"	AS REQ'D	45°	YES	NO	PRICE MODEL 520-D	
2s	DUCT MOUNTED LOUVER FACE S/A DIFFUSER	150-225	20"x4"	AS REQ'D	45°	YES	NO	PRICE MODEL 520-D	
3s	DUCT MOUNTED LOUVER FACE S/A DIFFUSER	225-300	22"x6"	AS REQ'D	45°	YES	NO	PRICE MODEL 520-D	
4s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	25-100	6"Ø	20"x20"	AS INDIC.	NO	YES	PRICE MODEL SPD	
5s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	75-225	8"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL SPD	
6s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	200-375	10"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL SPD	
7s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	350-550	12"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL SPD	
8s	L.A.T. CEILING MOUNTED PERFORATED FACE S/A DIFFUSER	525-550	12"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL PDC	
9s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	500-725	14"Ø	24"x24"	AS INDIC.	NO	YES	PRICE MODEL SPD	
10s	SIDEWALL MOUNTED LOUVER FACE S/A DIFFUSER	600-750	32"x10"	AS REQ'D	45°	YES	NO	PRICE MODEL 520-D	
11s	DUCT MOUNTED ROUND CONE DIFFUSER	1125	20"Ø	AS REQ'D	360°	YES	NO	PRICE MODEL RCD	
12s	L.A.T. CEILING MOUNTED SQUARE PLAQUE S/A DIFFUSER	25-100	6"Ø	12"x12"	AS INDIC.	NO	YES	PRICE MODEL SPD	
13s	L.A.T. CEILING MOUNTED LINEAR SLOT S/A DIFFUSER	425	12"Ø	2) 2.5" SLOTS x 48"LONG	ADJUSTABLE	YES	YES	PRICE MODEL AST-	
14s	SIDEWALL MOUNTED LOUVER FACE S/A DIFFUSER	525	40"x4"	AS REQ'D	45°	YES	NO	PRICE MODEL 520-D	
1r	L.A.T. CEILING MOUNTED CUBE CORE R/A GRILLE	0-450	12"x12"	24"x24"	0°	NO	NO	PRICE MODEL 80	1
2r	L.A.T. CEILING MOUNTED CUBE CORE R/A GRILLE	700-1600	22"x22"	24"x24"	0°	NO	NO	PRICE MODEL 80	1
3r	L.A.T. CEILING MOUNTED CUBE CORE R/A GRILLE	0-600	22"x10"	24"x12"	0°	NO	NO	PRICE MODEL 80	1
4r	SIDEWALL MOUNTED LOUVER FACE R/A GRILLE	225	22"x6"	AS REQ'D	45°	NO	NO	PRICE MODEL 530	
5r	DUCT MOUNTED LOUVER FACE R/A GRILLE	1800	48"x14"	AS REQ'D	45°	NO	NO	PRICE MODEL 530	
6r	SIDEWALL MOUNTED LOUVER FACE R/A GRILLE	3600	24"x48"	AS REQ'D	45°	NO	NO	PRICE MODEL 530	
7r	HEAVY DUTY SIDEWALL GYM GRILLE	3625	24"x60"	AS REQ'D	45°	NO	NO	PRICE MODEL 93	
8r	HEAVY DUTY SIDEWALL GYM GRILLE	7000	48"x60"	AS REQ'D	45°	NO	NO	PRICE MODEL 96	
9r	DUCT MOUNTED CUBE CORE R/A GRILLE	700-1600	22"x22"	AS REQ'D	0°	NO	NO	PRICE MODEL 80	
1e	DUCT MOUNTED LOUVER FACE E/A REGISTER	40-60	8"x4"	AS REQ'D	45°	YES	NO	PRICE MODEL 530-D	
2e	DUCT MOUNTED LOUVER FACE E/A REGISTER	75-125	18"x4"	AS REQ'D	45°	YES	NO	PRICE MODEL 530-D	
3e	DUCT MOUNTED LOUVER FACE E/A REGISTER	150-250	20"x6"	AS REQ'D	45°	YES	NO	PRICE MODEL 530-D	
4e	DUCT MOUNTED LOUVER FACE E/A REGISTER	375-525	34"x6"	AS REQ'D	45°	YES	NO	PRICE MODEL 530-D	
5e	L.A.T. CEILING MOUNTED CUBE CORE E/A REGISTER	700-1600	22"x22"	24"x24"	0°	YES	NO	PRICE MODEL 80-D	1

* V.D. - VOLUME DAMPER (FACTORY ACCESSORY)
** AIR DISTRIBUTION DEVICES WHERE NOTED TO INCLUDE FACTORY INSULATION ON REAR OF DEVICE

COMPARABLE PRODUCTS:
PRICE, TITUS, METALAIRE

FEATURES/ACCESSORIES:
1. PROVIDE WITH SQUARE TO ROUND ADAPTER. SEE PLANS FOR ROUND DUCT SIZE.

NEEDLEPOINT BI-POLAR IONIZATION DEVICES SCHEDULE

EQUIPMENT SERVED	DEVICE MOUNTING LOCATION	BASIS OF DESIGN	FEATURES/ ACCESSORIES
PACKAGED UNITS (ROOFTOP, GROUND MOUNTED, ETC.)	IN UNIT DOWNSTREAM OF FILTERS	GLOBAL PLASMA MODEL GPS-FC-3-BAS	1, 2, 3, 4, 5
DUCTLESS INDOOR HEAT PUMP UNITS	IN UNIT DOWNSTREAM OF FILTERS	GLOBAL PLASMA MODEL IRIB	1, 2, 3, 5
DUCTED INDOOR HEAT PUMP UNITS, FAN COIL UNITS, HEAT PUMP BLOWER COIL UNITS, ETC.	IN UNIT DOWNSTREAM OF FILTERS	GLOBAL PLASMA MODEL GPS-FC-3-BAS	1, 2, 3, 4, 5

FEATURES/ACCESSORIES:
1. UL 2998 AND UL 867 COMPLIANT
2. 24 VAC POWER SUPPLY VOLTAGE.
3. CONNECT TO UNIT CONTROL POWER AS REQUIRED.
4. MULTIPLE UNITS MAY BE REQUIRED BASED UPON AIRFLOW OF EQUIPMENT BEING SERVED. COORDINATE WITH INDIVIDUAL UNIT AIRFLOW.
5. PROVIDE HANDHELD ELECTRICAL TESTING DEVICE WITH BOTH VISIBLE AND AUDIBLE INDICATION (ONE PER PROJECT TO BE TURNED OVER TO OWNER).

COMPARABLE PRODUCTS:
PLASMA AIR, BIOCLIMATIC

LOUVER SCHEDULE

MARK	FUNCTION	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	AIRFLOW (CFM)	S.P. (in W.G.)	MOTORIZED DAMPER	BASIS OF DESIGN	FEATURES/ACCESSORIES [1]
LVR-I01	INTAKE	30	24	4	1,000	0.08	YES OR NO	GREENHECK MODEL EHH-401	1, 2, 3, 4, 5, 6, 7

[1] FEATURES/ACCESSORIES:
1. MIN. 18 GA. GALVANIZED WALL SLEEVE SLOPED TOWARD OUTSIDE TO DRAIN
2. FLAT EXPANDED ALUMINUM BIRD SCREEN
3. KYNAR 500 FINISH ON LOUVER AND ALL LOUVER ACCESSORIES - CUSTOM COLOR SELECTION BY ARCHITECT
4. FLANGED FRAME
5. AMCA 550 (HIGH VELOCITY WIND DRIVEN RAIN)
6. EXTENDED SILL WITH END DAMS
7. WELDED CONSTRUCTION

COMPARABLE PRODUCTS:
GREENHECK, RUSKIN

FABRIC DUCT/DIFFUSER SCHEDULE

SYSTEM	DIFFUSER/PERFORATION SIZE AND LOCATION	AIRFLOW (CFM)	FABRIC DUCT SIZE	FABRIC DUCT LENGTH	INLET SP (INCHES WATER)	INSTALLATION TYPE	BASIS OF DESIGN	FEATURES/ACCESSORIES
AC-RM-07	1.0" PERFORATIONS, 3.5" PERFORATION SPACING, 2 ROWS WITH 12" ROW SPACING, CENTER ROW AT 215°	5,000	SEE PLANS	SEE PLANS	0.50	DOUBLE ROW CABLE WITH INTERNAL RINGS	PRIHODA	1, 2, 3, 4, 5
	1.0" PERFORATIONS, 3.5" PERFORATION SPACING, 1 ROW WITH 12" ROW SPACING, CENTER ROW AT 240°							
	1.0" PERFORATIONS, 3.5" PERFORATION SPACING, 1 ROW, CENTER ROW AT 135°	2,000	SEE PLANS	SEE PLANS	0.50	DOUBLE ROW CABLE WITH INTERNAL RINGS	PRIHODA	1, 2, 3, 4, 5
AC-RM-08	1.0" PERFORATIONS, 3.5" PERFORATION SPACING, 2 ROWS WITH 12" ROW SPACING, CENTER ROW AT 145°	5,000	SEE PLANS	SEE PLANS	0.50	DOUBLE ROW CABLE WITH INTERNAL RINGS	PRIHODA	1, 2, 3, 4, 5
	1.0" PERFORATIONS, 3.5" PERFORATION SPACING, 1 ROWS WITH 12" ROW SPACING, CENTER ROW AT 120°							
	1.0" PERFORATIONS, 3.5" PERFORATION SPACING, 1 ROW, CENTER ROW AT 225°	2,000	SEE PLANS	SEE PLANS	0.50	DOUBLE ROW CABLE WITH INTERNAL RINGS	PRIHODA	1, 2, 3, 4, 5

FEATURES/ACCESSORIES:
1. ULC CLASSIFIED (723/UL2518) WITH ANTI-MICROBIAL TREATMENT.
2. TEN (10) YEAR NON-PRORATED WARRANTY.
3. VERIFY ALL LENGTHS WITH FIELD CONDITIONS.
4. CUSTOM COLOR AS SELECTED BY ARCHITECT.
5. AIR STRAIGHTENING CONES/BALANCING NOZZLE AS SHOWN ON DRAWINGS AND AS RECOMMENDED BY FABRIC DUCT MANUFACTURER.

COMPARABLE PRODUCTS:
PRIHODA, DUCTSOX

PLUMBING FIXTURE SCHEDULE

MARK	ADA REQ'D	DESCRIPTION	ROUGH-IN REQUIREMENTS					FLOOR MTND. CARRIER REQ'D
			WASTE	VENT	120 °F HW	CW	TEMPERED	
WC-1	YES	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY OPERATED SENSOR)	4"	2"-4"	-	1"	-	NO
WC-2	NO	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY OPERATED SENSOR)	4"	2"-4"	-	1"	-	NO
WCV-1	YES	WATER CLOSET FLUSH VALVE (BATTERY OPERATED SENSOR)	4"	2"-4"	-	1/2"	-	NO
U-1	YES	URINAL - WALL MOUNTED WASHOUT TYPE (BATTERY OPERATED SENSOR)	2"	2"	-	3/4"	-	YES
U-2	NO	URINAL - WALL MOUNTED WASHOUT TYPE (BATTERY OPERATED SENSOR)	2"	2"	-	3/4"	-	YES
L-1	YES	LAVATORY - WALL MOUNTED TYPE (BATTERY OPERATED SENSOR)	2"	2"	1/2"	1/2"	1/2"	YES
LF-1	YES	LAVATORY FAUCET (BATTERY OPERATED SENSOR)	2"	2"	1/2"	1/2"	1/2"	YES
SS-1	NO	SERVICE SINK - FLOOR MOUNTED TERRAZZO CORNER TYPE, 24"	3"	2"	1/2"	1/2"	-	NO
EDF-1	YES	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE (DUAL HEIGHT) w/BOTTLE FILLER	2"	2"	-	1/2"	-	YES
EDF-2	YES	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE w/BOTTLE FILLER	2"	2"	-	1/2"	-	YES
EDF-3	NO	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE	2"	2"	-	1/2"	-	YES
HB-1	NO	HOSE BIBB - NON-FREEZE TYPE IN LOCKING BOX	-	-	-	3/4"	-	NO
TP-1	NO	TRAP PRIMER - CONNECT TO FLUSH VALVE ASSEMBLY	-	-	-	1/2"	-	NO
FD-1	NO	FLOOR DRAIN - GENERAL DRAINAGE IN TOILET AREAS	3"	2"	-	-	-	NO

DOMESTIC WATER HEATER SCHEDULE

MARK	FUEL	STORAGE CAP., GAL.	RECOVERY G.P.H. AT 100 °F RISE	MAX. GPM	INPUT KW	INPUT MBH	ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ACCESSORIES
RULEVILLE ELEMENTARY									
WH-RE-01	ELEC.	30	24	-	6.0	-	208V.,1ph	A.O. SMITH MODEL DEL-30	1, 2

FEATURES/ACCESSORIES:
1. PROVIDE PIPING, VALVES AND ACCESSORIES PER DETAILS.
2. PROVIDE HEAVY DUTY WALL MOUNTING KIT WITH TOP MOUNTED AT ± 2" BELOW CEILING.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

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Consulting Engineering
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P: 601.605.2930 F: 844.493.3111
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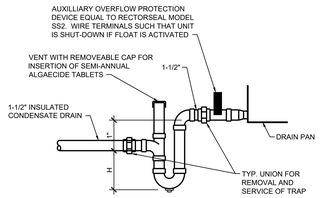
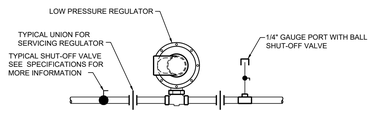
M-408
Mechanical Schedules



H=1/2"+TOTAL UNIT STATIC PRESSURE

BLOW THRU CONDENSATE DRAIN PIPING

N.T.S.

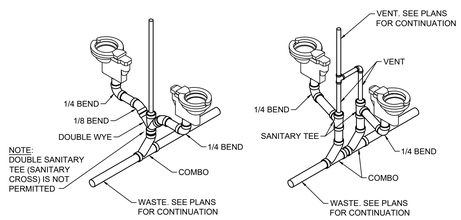


GAS REGULATOR DETAIL

N.T.S.

NOTES:

1. PROVIDE VENT TO OUTDOORS FOR ALL REGULATORS LOCATED INSIDE BUILDING.
2. SEE PLANS FOR PIPE SIZES.
3. SEE REGULATOR SCHEDULE FOR INLET PRESSURE, OUTLET PRESSURE AND MBH (CFH) REQUIREMENTS.

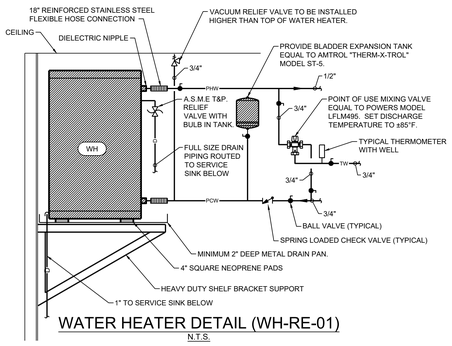


NOTE: INSTALLATION INDICATED IS FOR SCH. 40 PVC-DWV PIPE AND FITTINGS

NOTE: INSTALLATION INDICATED IS FOR SCH. 40 PVC-DWV PIPE AND FITTINGS WHERE SPACE DOES NOT PERMIT TO INSTALL DOUBLE WYE AND 1/8 BEND.

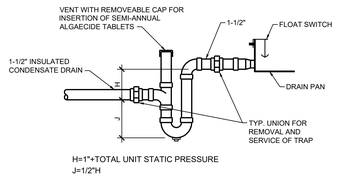
BACK-TO-BACK WATER CLOSET PIPING DETAIL

N.T.S.



WATER HEATER DETAIL (WH-RE-01)

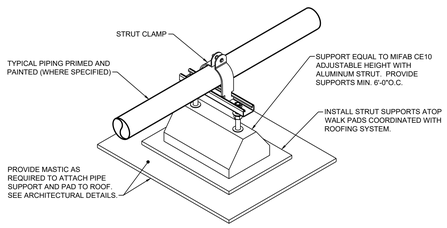
N.T.S.



H=1"+TOTAL UNIT STATIC PRESSURE
J=1/2"H

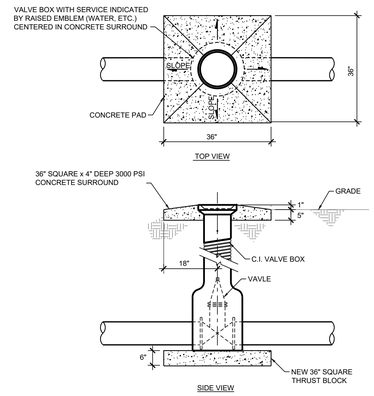
DRAW THRU CONDENSATE DRAIN PIPING

N.T.S.



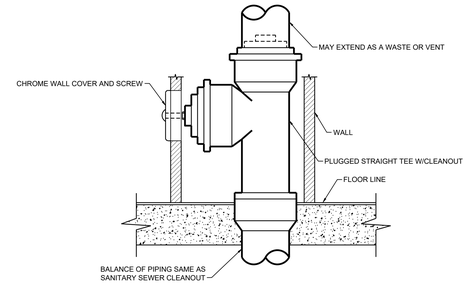
ROOF PIPING SUPPORT DETAIL

N.T.S.



DEEP SHUTOFF VALVE DETAIL

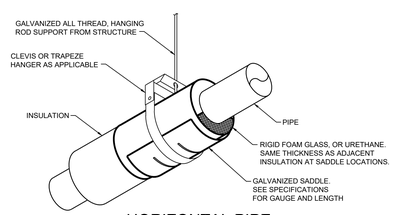
N.T.S.



WALL CLEANOUT DETAIL

N.T.S.

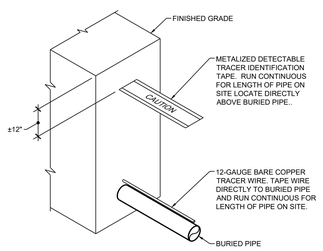
NOTE: EXAMPLE SHOWN IS CAST IRON; PVC/DWV EXAMPLE SIMILAR.



HORIZONTAL PIPE INSULATION AND HANGING DETAIL

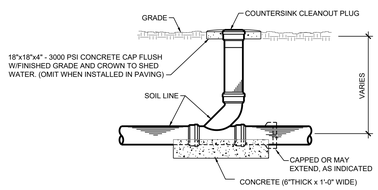
N.T.S.

NOTE: UNINSULATED GAS PIPING SIMILAR



UNDERGROUND DETECTION TRACER TAPE DETAIL

N.T.S.



ONE-WAY FLUSH GRADE CLEANOUT DETAIL

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MECHANICAL
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M-501

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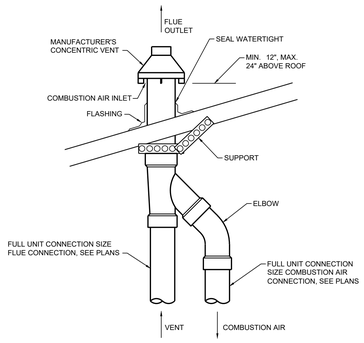
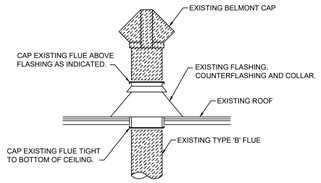


CONCENTRIC VENT ROOF INSTALLATION DETAIL

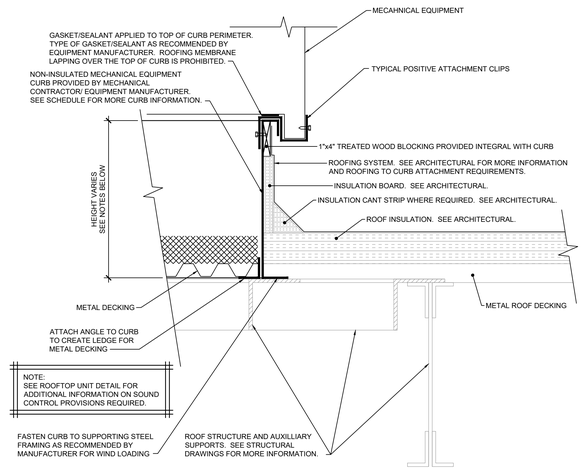
N.T.S.



EXISTING FLUE THROUGH ROOF

N.T.S.

NOTE:
THIS DETAIL IS APPLICABLE TO ALL FLUES, VENTS, ETC. WHERE INDICATED ON DEMOLITION PLANS AND THAT EXIST IN FACILITY WHERE GAS-FIRED EQUIPMENT IS REMOVED IN THIS SCOPE OF WORK, ETC.



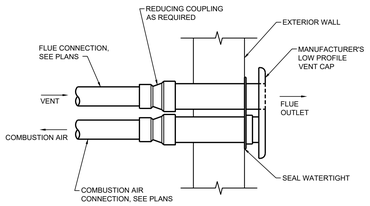
MECHANICAL EQUIPMENT CURB ATTACHED TO STRUCTURE DETAIL

N.T.S.

MECHANICAL EQUIPMENT CURB REQUIREMENTS SCHEDULE

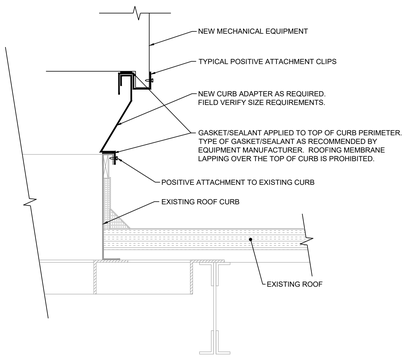
TYPE	MINIMUM HEIGHT	MAX. ROOF SLOPE ALONG EQUIPMENT WIDTH OR LENGTH	EQUIPMENT WEIGHT (LBS)	SLOPED OR FLAT CURB REQUIRED	MINIMUM GAUGE G-90 GALV. REQ'D
TYPE #1	1	LESS THAN 1"	LESS THAN 500	FLAT 2	18
TYPE #2	1	LESS THAN 1"	500-4,999	SLOPED 3	18
TYPE #3	1	1" OR GREATER	LESS THAN 500	SLOPED 3	18
TYPE #4	1	1" OR GREATER	500-4,999	SLOPED 3	18
TYPE #5	1	1" OR GREATER	5,000-14,999	SLOPED 3	16
TYPE #6	1	1" OR GREATER	15,000-29,999	SLOPED 3	14

1. HEIGHT (12" MINIMUM) SHALL BE COORDINATED WITH CURB BEARING POINT, INSULATION THICKNESS AND MINIMUM HEIGHT ABOVE FINISHED ROOF SURFACE REQUIRED BY ROOFING SYSTEM. EXAMPLE #1 - A TYPE #2 CURB FOR EQUIPMENT LOCATED WHERE ROOFING SYSTEM CONSISTS OF TAPERED INSULATION THAT IS 6" THICK, CURB IS REQUIRED TO BEAR ON STRUCTURE (NOT METAL DECKING 1-1/2" THICK) AND A MINIMUM HEIGHT ABOVE FINISHED ROOF OF 8" WOULD REQUIRE THE MINIMUM EQUIPMENT CURB HEIGHT TO BE 15-1/2" TALL ON THE SHORT SIDE OF THE CURB. EXAMPLE #2 - A TYPE #1 CURB FOR EQUIPMENT LOCATED ON A STRUCTURE SLOPING 1/8" PER FOOT CONSISTING OF BAR JOISTS, 1-1/2" METAL DECK AND 4" OF ROOF INSULATION, A MINIMUM HEIGHT ABOVE FINISHED ROOF OF 8" AND WHERE THE CURB BEARS ON THE METAL DECKING WOULD REQUIRE THE MINIMUM CURB HEIGHT TO BE 12".
2. WHERE FLAT CURBS ARE PROVIDED, THE CONTRACTOR SHALL SHIM BOTTOM OF CURB WITH TREATED WOOD BLOCKING TO HOLD TOP OF CURB LEVEL.
3. WHERE SLOPED CURBS ARE REQUIRED, CURB SHALL BE CONSTRUCTED TO HOLD TOP OF CURB LEVEL. CONTRACTOR SHALL VERIFY ROOF SLOPE AND EQUIPMENT ORIENTATION TO ENSURE PROPER CURB FABRICATION.



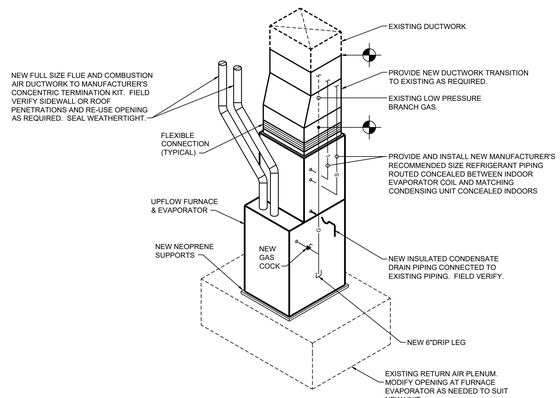
LOW PROFILE VENT WALL INSTALLATION DETAIL

N.T.S.



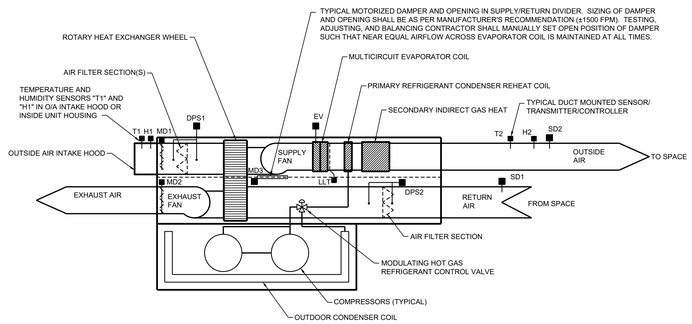
MECHANICAL EQUIPMENT CURB ADAPATER DETAIL

N.T.S.



FURNACE/EVAPORATOR ON RETURN AIR BUILT-UP PLATFORM DETAIL

N.T.S.

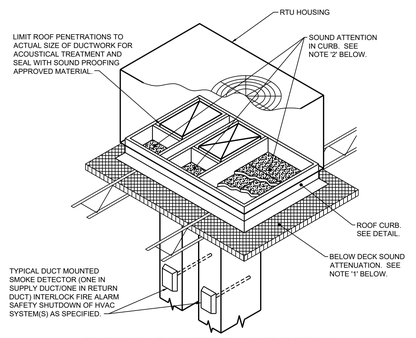


CONTROL SEQUENCE/ SCHEMATIC FOR HRU's

N.T.S.

LEGEND - SENSOR / DEVICE

MARK	DESCRIPTION
MD1,2,3	MOTORIZED DAMPER - MODULATING - NORMALLY CLOSED - SPRING RETURNS
DPS1,2	DIFFERENTIAL PRESSURE SENSOR/TRANSMITTER
T1,2	DUCT TEMPERATURE SENSOR/CONTROLLER
EC	DIRECT EXPANSION COIL - 6 ROW WITH MULTICIRCUIT/STAGED CAPACITY (SPLIT BY FACE)
LLT	EVAPORATOR FACE MOUNTED LOW LIMIT TEMPERATURE SENSOR/TRANSMITTER
EV	EXPANSION VALVE (MODULATING CONTROL)
SD1,2	DUCT MOUNTED IONIZATION SMOKE DETECTOR



TYPICAL ROOFTOP UNIT DETAIL

N.T.S.

SOUND ATTENUATION NOTES:

1. BELOW DECK SOUND ATTENUATION SHALL BE COMPRISED OF 2" THICK, 3 P.C.F. DENSITY DUCTBOARD MOUNTED TO THE UNDERSIDE OF ROOF DECK BELOW ALL NEW SYSTEMS. EXTEND MINIMUM 12" BEYOND ROOF CURB EXTENT AND TIGHT TO DUCTWORK OPENINGS AT ROOF PENETRATIONS. CUT DUCTBOARD TO FULLY COVER UNDERSIDE OF ROOF DECK AND AROUND STRUCTURE, ETC.
2. SOUND ATTENTION IN CURB SHALL BE COMPRISED OF TWO (2) LAYERS OF 1/2" THICK MOISTURE RESISTANT GYPSUM BOARD ABOVE ROOF DECK WITHIN CURB AREA PRIOR TO SETTING UNIT ON CURB. OVERLAP GYPSUM BOARD SO SEAMS DO NOT ALIGN. PROVIDE AN ADDITIONAL TWO (2) LAYERS OF 2" THICK ROOF DECK RIGID INSULATION ATOP GYPSUM BOARD. PROVIDE EXPANDING FOAM SEALANT BETWEEN CLOSE FITTING PENETRATIONS OF VERTICAL DUCTWORK AND DECK AND SOUND ATTENTION PROVISION MATERIALS.

ALTERNATIVE SOUND TREATMENT: COMPOSITE SYSTEM EQUAL TO HUSHCORE MODEL DS-52 MAY BE UTILIZED IN LIEU OF GYPSUM BOARD.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
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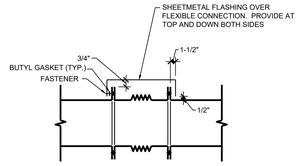
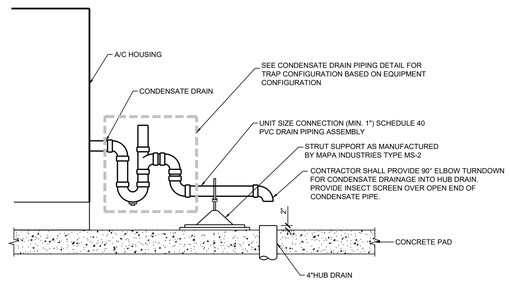


HORIZONTAL INSTALLATION

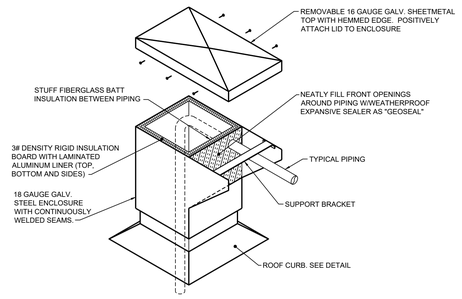
OUTDOOR FLEXIBLE DUCT CONNECTION DETAIL

N.T.S.



A/C UNIT CONDENSATE DRAIN PIPING

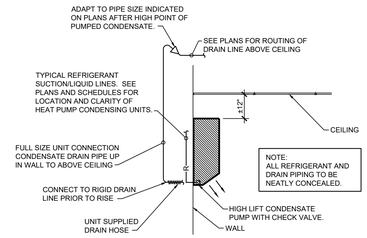
N.T.S.



REFRIGERANT PIPING ROOF PENETRATION CAP

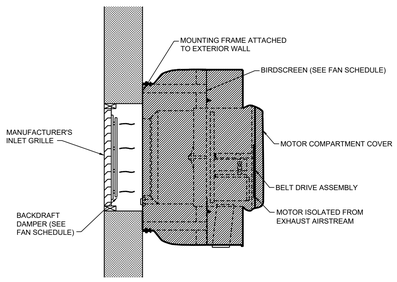
N.T.S.

NOTES:
1. SINGLE-SIDED CAP INDICATED. DOUBLE-SIDED CAP SIMILAR.
2. ROOF PENETRATION CAP EQUAL TO KEES SERIES PF.



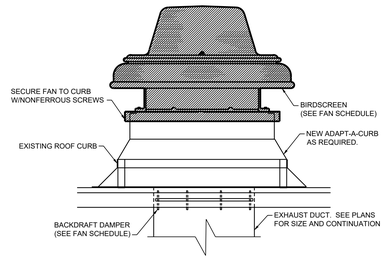
WALL MOUNTED HEAT PUMP FAN COIL DRAIN DETAIL

N.T.S.



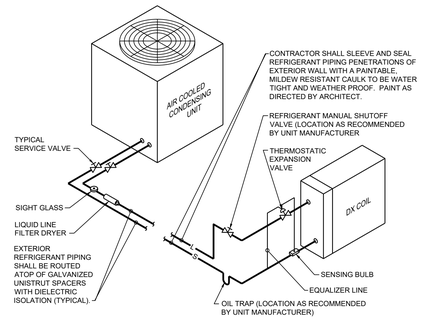
CENTRIFUGAL SIDEWALL EXHAUST FAN DETAIL

N.T.S.



ROOF MOUNTED DOWNBLAST EXHAUST FAN DETAIL

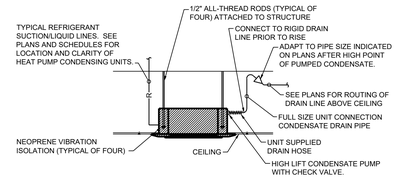
N.T.S.



AIR COOLED CONDENSING UNIT / DX COIL PIPING DETAIL

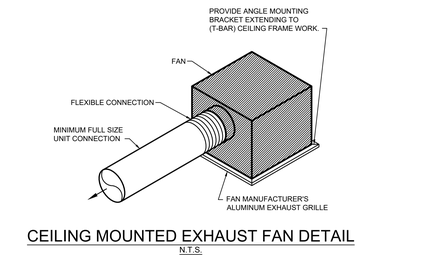
N.T.S.

NOTE:
REFRIGERANT PIPE SIZE AND CONFIGURATION SHALL BE AS RECOMMENDED BY MANUFACTURER TO PROVIDE SCHEDULED MINIMUM COOLING AND MAXIMUM EQUIPMENT LIFE



CEILING CASSETTE HEAT PUMP FAN COIL DRAIN DETAIL

N.T.S.



CEILING MOUNTED EXHAUST FAN DETAIL

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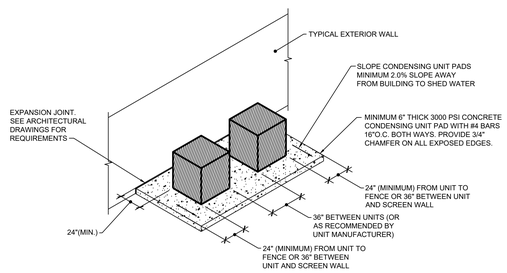

TYPICAL PAD MOUNTED CONDENSING UNIT DETAIL

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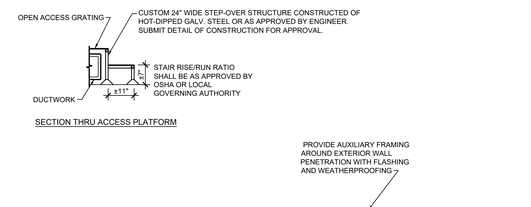
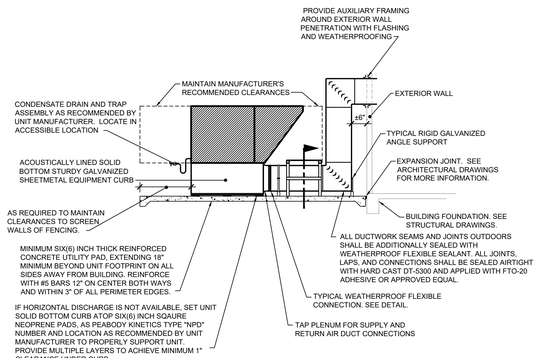


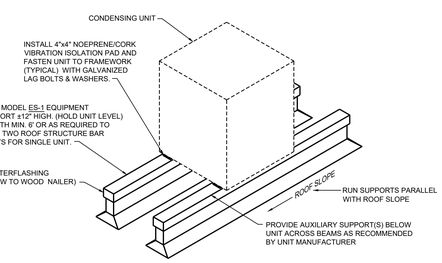
SECTION THRU ACCESS PLATFORM



PAD MOUNTED HVAC PACKAGED UNIT DETAIL

N.T.S.

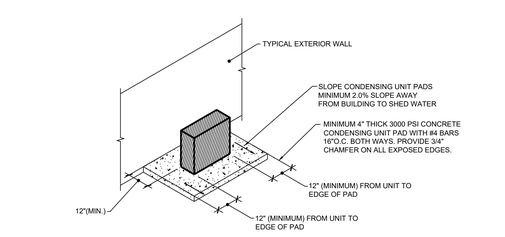
NOTE:
DUCTWORK AND AUXILIARY SUPPORTS SHALL BE NEATLY PRIMED AND PAINTED BY CONTRACTOR, WITH AN ALKYD-BASED RUST INHIBITIVE APPROVED PAINT SYSTEM



ROOF MOUNTED CONDENSING UNIT SUPPORT FRAME DETAIL

N.T.S.

NOTES:
1. SEAL AND WEATHERPROOF ROOFING AROUND LEG SUPPORTS AS REQUIRED.
2. PROVIDE TWO COATS OF RED OXIDE PRIMER TO ENTIRE SUPPORT FRAME PRIOR TO INSTALLATION AND ONE FINAL FINISH COAT OF APPROVED AKLYD ENAMEL PAINT, COLOR BY ARCHITECT.
3. ADJUST SIZE OF FRAMEWORK TO EQUIPMENT SUPPLIED. VERIFY AS REQUIRED.
4. PROVIDE COMMON ROOF PENETRATION (SEE ARCHITECTURAL) FOR ALL PIPING AND CONDUIT THRU ROOF. COORDINATE WITH OTHER CONTRACTOR(S) AS REQUIRED.



TYPICAL PAD MOUNTED CONDENSING UNIT DETAIL

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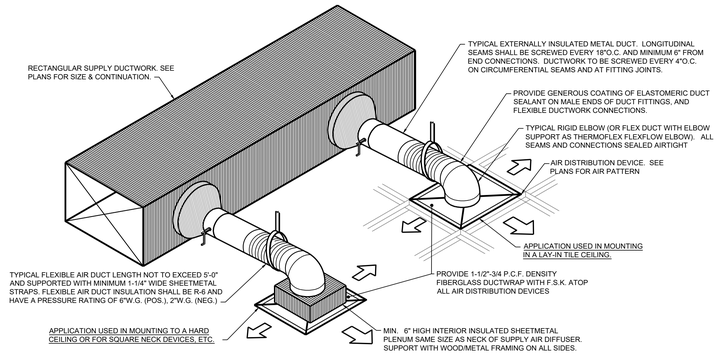
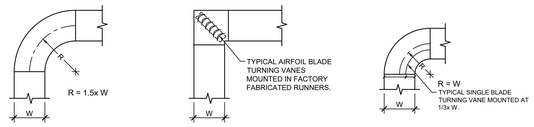
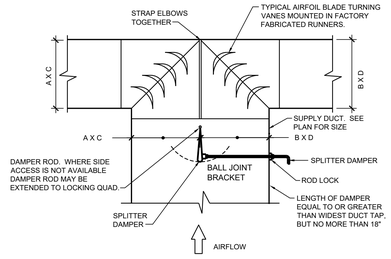


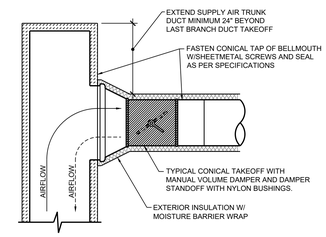
ROUND NECK DIFFUSER DETAIL
N.T.S.

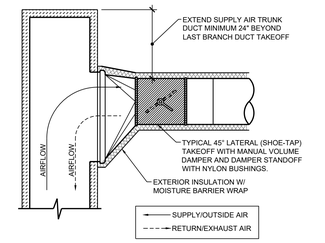


RECTANGULAR DUCT ELBOW DETAIL
N.T.S.



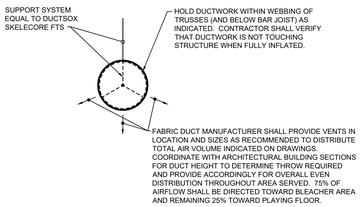
SPLITTER DAMPER DETAIL
N.T.S.



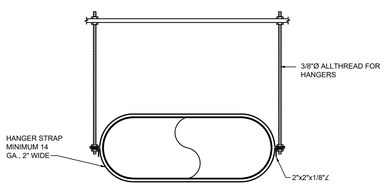


TYPICAL LOW PRESSURE RECTANGULAR TO ROUND DUCT TAKEOFF DETAIL
N.T.S.

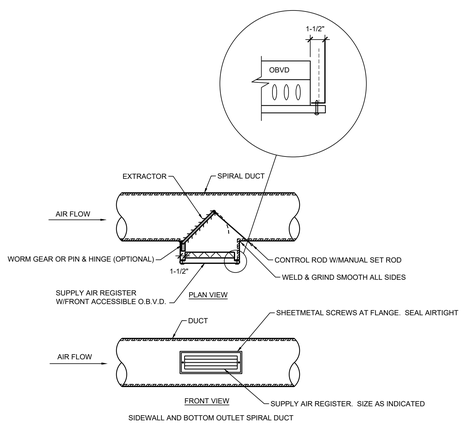
NOTE:
TAKE-OFF FITTINGS SHALL BE FACTORY FABRICATED SPIN-IN TYPE. NO DOVETAIL FIELD JOINTS OR FITTINGS ARE ALLOWED.



FABRIC DUCT SUPPORT DETAIL
N.T.S.

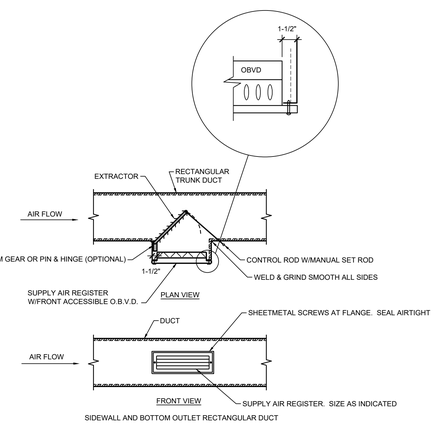


EXPOSED FLAT OVAL DUCT HANGER DETAIL
N.T.S.



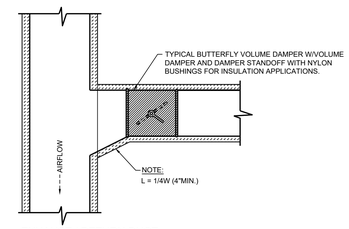
SIDEWALL AND BOTTOM OUTLET SPIRAL DUCT S.A. REGISTER INSTALLATION DETAIL
N.T.S.

NOTE:
PROVIDE MANUFACTURER'S FACTORY OUTLET COLLARS SIZED ±3" LARGER THAN NECK SIZE OF REGISTER. SEE INSET DETAIL ABOVE.

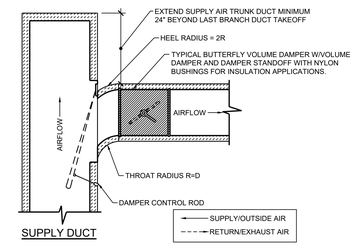


SIDEWALL AND BOTTOM OUTLET RECTANGULAR DUCT S.A. REGISTER INSTALLATION DETAIL
N.T.S.

NOTE:
PROVIDE OUTLET COLLARS SIZED ±3" LARGER THAN NECK SIZE OF REGISTER. SEE INSET DETAIL ABOVE.



EXHAUST / RETURN DUCT



SUPPLY DUCT

TYPICAL LOW PRESSURE RECTANGULAR TO RECTANGULAR DUCT TAKEOFF DETAIL
N.T.S.

NOTE:
TAKE-OFF FITTINGS SHALL BE FACTORY FABRICATED SPIN-IN TYPE. NO DOVETAIL FIELD JOINTS OR FITTINGS ARE ALLOWED.

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

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Sunflower Consolidated School District ESSER 2&3 Phase I

100% Construction Documents

Project No 21027
Date 2 February 2022
Revisions Rev Date

GSK
MECHANICAL
Consulting Engineering
201 Park Court - Suite A | Ridgeland, MS 39157
P: 601.605.2930 F: 844.493.3111
www.gskmech.com
GSK#:110-077

M-504
Mechanical Details

ELECTRICAL LEGEND

GENERAL NOTES

1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.
3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.
4. DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION.
5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.
6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.
7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.
8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.

LUMINAIRES (See Light Fixture Schedule)

NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.

- 2'X2' RECESSED FIXTURE.
- 2'X4' RECESSED FIXTURE.
- 1'X4' RECESSED FIXTURE.
- 2'X2' RECESSED EMERGENCY FIXTURE.
- 2'X4' RECESSED EMERGENCY FIXTURE.
- 1'X4' RECESSED EMERGENCY FIXTURE.
- 2'X2' RECESSED FIXTURE WITH EMERGENCY AND NORMAL CIRCUITRY.
- 2'X4' RECESSED FIXTURE WITH EMERGENCY AND NORMAL CIRCUITRY.
- SURFACE MOUNTED OR SUSPENDED FIXTURE.
- SURFACE MOUNTED OR SUSPENDED EMERGENCY FIXTURE.
- RECESSED CEILING FIXTURE.
- RECESSED EMERGENCY CEILING FIXTURE.
- PENDANT MOUNT FIXTURE.
- CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- EXIT SIGN WITH EMERGENCY LIGHTING.
- WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.
- EMERGENCY LIGHTING.
- WALL MOUNTED FIXTURE.
- WALL MOUNTED LINEAR FIXTURE.
- WALL MOUNTED EMERGENCY LINEAR FIXTURE.
- SITE ARM MOUNT POLE LIGHT FIXTURE.
- SITE POLE TOP LIGHT FIXTURE.
- SURFACE MOUNTED TRACK AND TRACK LIGHTING FIXTURE.
- CEILING FAN.
- WALLWASH OR SPOT LIGHT FIXTURE.
- IN-GRADE MOUNTED FIXTURE.

MISCELLANEOUS

Symbol	Description
C	CONTACTOR.
PE	PHOTOCELL.
J	CEILING MOUNTED JUNCTION BOX.
J	WALL MOUNTED JUNCTION BOX.
~	FLEXIBLE CONNECTION TO EQUIPMENT.
L	CONNECTION TO WHEELCHAIR LIFT. COORDINATE EXACT LOCATION, MOUNTING HEIGHT, AND CONNECTION TYPE WITH WHEELCHAIR LIFT VENDOR.
H H	HANDHOLE 13"X24" QUAZITE COMPOSITE BOX OR APPROVED EQUAL. SOLID BOTTOM WITH TRAFFIC RATED LID.
EMH	48" X 48" FIBERGLASS MANHOLE WITH SOLID FLOOR. PROVIDE COVER ENGRAVED "WARNING HIGH VOLTAGE". NEWBASIS FCB484848F14 WITH PCC484800A14 COVER, OR APPROVED EQUAL. INSTALL SO THAT TOP IS 1" ABOVE GRADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
	DOUBLE FACE CLOCK.
	SINGLE FACE CLOCK.
	PROVISIONS FOR CABLE TELEVISION OUTLET. MOUNT ABOVE CEILING UNLESS NOTED OTHERWISE. PROVIDE AN OUTLET BOX AND A 3/4" CONDUIT TO ACCESSIBLE LOCATION (IF REQUIRED.)

SWITCHES

Symbol	Description
$	SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
2P $	DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
3 $	THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
4 $	FOUR-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
	LED DIMMER EQUAL TO LEVITON #IP710-LFZ MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
K	1000 WATT INCANDESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
2K	2000 WATT INCANDESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
LV	LOW VOLTAGE DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE. SELECT PROPER DIMMER FOR TRANSFORMER TYPE.
F	FLUORESCENT DIMMER. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
RL $	3-POSITION SWITCH, RAISE/OFF/LOWER. MOUNT CENTERLINE OF BOX 45"A.F.F. UNLESS NOTED OTHERWISE.
M $	AUTOMATIC WALL SWITCH. SENSORSWITCH #WSD-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.
M2 $	DUAL TECHNOLOGY, DUAL RELAY WALL SWITCH. SENSORSWITCH #WSD-PDT-2P OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.
M	AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSORSWITCH #WSX-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45"A.F.F. UNLESS NOTED OTHERWISE.
$ TS	DIGITAL TIME SWITCH WITH ADJUSTABLE RANGE FROM 5 MINUTES TO 12 HOURS. FURNISH WITH AUDIBLE WARNING. SENSORSWITCH #PTS-60 OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.
$ T	HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).
MD1	PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 12' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-9 OR APPROVED EQUAL.
MD2	PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 28' RADIAL COVERAGE. CEILING MOUNTED. SENSORSWITCH #CM-PDT-10 OR APPROVED EQUAL.
MDH	PASSIVE INFRARED OCCUPANCY SENSOR WITH A 130 LINEAR FT. COVERAGE. WALL MOUNTED AT 7' ABOVE FINISH FLOOR. SENSORSWITCH #HW13 OR APPROVED EQUAL.
HMD	PASSIVE INFRARED OCCUPANCY SENSOR. HIGH CEILING MOUNT. SENSORSWITCH #CMR-6 OR APPROVED EQUAL.
MDC	PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 2000 SQ. FT. COVERAGE. MOUNT IMMEDIATELY BELOW CEILING. SENSORSWITCH #WV-PDT-16 OR APPROVED EQUAL.
PP	POWER PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20 OR APPROVED EQUAL.
PP2	DUAL RELAY PACK MOUNTED ABOVE CEILING. SENSORSWITCH #PP20-2P OR APPROVED EQUAL.
EPP	EMERGENCY LIGHTING BYPASS SHUNT RELAY. SENSORSWITCH #PP16-SHUNT OR APPROVED EQUAL.
DS	DAYLIGHT SENSOR.

FIRE ALARM SYSTEM

Symbol	Description
F	MANUAL PULL STATION. MOUNT 48"A.F.F. TO CENTERLINE OF BOX.
F	STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.
F	COMBINATION HORN AND STROBE. MOUNT 80"A.F.F. TO BOTTOM OF BOX.
	SMOKE DETECTOR.
T	THERMAL DETECTOR.
D R	DUCT SMOKE DETECTOR IN RETURN DUCT.
D S	DUCT SMOKE DETECTOR IN SUPPLY DUCT.
E	ELEVATOR RECALL SMOKE DETECTOR.
FACP	FIRE ALARM CONTROL PANEL. CIRCUIT BREAKER SHALL BE COLORED RED.
FAAP	FIRE ALARM ANNUNCIATOR PANEL.
FASD	FIRE ALARM CONNECTION TO SHUTTER DOOR. DOOR SHALL ROLL DOWN UPON AN ALARM CONDITION.
FS	FLOW SWITCH.
TS	TAMPER SWITCH.
DHO	DOOR HOLD OPEN MAGNET TO RELEASE UPON ALARM CONDITION OF THE FIRE ALARM CONTROL PANEL.
FAHS	FIRE ALARM HORN AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.
F	FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.

CONDUIT AND WIRING

Symbol	Description
	CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.
10	THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.
	CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).
	CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.
LA-1	HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.
LA-1	PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.
	LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.
6	CABLE TRAY. NUMBER INDICATES WIDTH OF CABLE TRAY. NO NUMBER INDICATES A DEFAULT WIDTH OF 12"
	CRITICAL BRANCH CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT TWO #12 AWG CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.

VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS

Voltage	Circuit Length	Conductor Size (AWG)
120	< 50'	#12
120	> 50'	#10
120	> 90'	#8
120	> 140'	#6
277	< 130'	#12
277	> 130'	#10
277	> 200'	#8
277	> 330'	#6

VOLTAGE DROP CHART NOTES:

1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.

2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.

3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.

GEAR

Symbol	Description
?/?/? F-?	FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F-(RATING OF FUSES).
?/?/?	NON-FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE.
	MAGNETIC MOTOR STARTER.
?/?/? F-? NEMA SIZE ?	COMBINATION FUSED DISCONNECT AND MAGNETIC MOTOR STARTER.
	COMBINATION CIRCUIT BREAKER AND MAGNETIC MOTOR STARTER.
?	PANELBOARD.

DOOR BELL SYSTEM

Symbol	Description
DB	DOOR BELL WEATHERPROOF INDUSTRIAL PUSHBUTTON.
DT	TRANSFORMER MOUNTED ABOVE CEILING.
B	INDUSTRIAL CHIME.

RECEPTACLES

Symbol	Description
?	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
?	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
?	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
?	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSLPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45"A.F.F. TO CENTERLINE OF BOX.
? DF	DUPLEX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S ROUGH-IN REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. RECEPTACLE SHALL BE MOUNTED, CONCEALED BEHIND THE SHROUD OF THE DRINKING FOUNTAIN.
?	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.
?	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.
?	SINGLE RECEPTACLE, NEMA 14-50R. PROVIDE 6' CORD AND MATCHING PLUG WHERE REQUIRED. MOUNTING DETERMINED BY NEC FOR TYPE OF EQUIPMENT BEING CONNECTED.
?	SINGLE RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
?	SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
?	SINGLE RECEPTACLE, NEMA 14-30R, MOUNTED 36" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. PROVIDE 6' CORD AND MATCHING PLUG WHERE REQUIRED.
?	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.

ACCESS CONTROL

Symbol	Description
CR	CARD READER.
PX	PUSH TO EXIT BUTTON.
M	MOTION DETECTOR TO RELEASE MAGNETIC LOCK.
ML	MAGNETIC LOCK.
EL	ELECTRIC LATCH.
ES	ELECTRIC DOOR STRIKE.
ACP	ACCESS CONTROL PANEL.
R	CONNECTION TO MAGNETIC LOCK RELEASE SWITCH IN PANIC HARDWARE.
HC	HANDICAP PUSHPAD FURNISHED WITH AUTOMATIC DOOR OPERATOR, INSTALLED BY ELECTRICAL CONTRACTOR.
DHO	DOOR HOLD OPEN.
CB	CODE BLUE / STAFF STATION, MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE. CONSULT WITH OWNER'S VENDOR FOR EXACT BACK BOX SIZE AND REQUIREMENTS. PROVIDE A 3/4"C. FROM THE BACK BOX TO ABOVE THE ACCESSIBLE, CORRIDOR CEILING.

INTRUSION DETECTION SYSTEM

Symbol	Description
KP	KEYPAD.
M	MOTION DETECTOR.
GB	GLASS BREAK DETECTOR.
DC	DOOR CONTACT.
A	ALARM HORN.
IDCP	INTRUSION DETECTION CONTROL PANEL.

INTERCOM SYSTEM

Symbol	Description
S	CEILING SPEAKER.
S	HORN TYPE SPEAKER.
S	WALL MOUNT SPEAKER.
S	SURFACE MOUNT SPEAKER.
CIS	CALL-IN SWITCH.
IMS	INTERCOM MASTER STATION WITH DOOR RELEASE. DESKTOP MOUNT.
SS	VANDAL & WEATHER RESISTANT INTERCOM SUB STATION.

CCTV SYSTEM

Symbol	Description
	CEILING MOUNTED CAMERA.
	WALL MOUNTED CAMERA.
	INSIDE CORNER MOUNTED CAMERA.
	OUTSIDE CORNER MOUNTED CAMERA.
VM	WALL MOUNTED MONITOR.
VM	DESK MOUNTED MONITOR.

COMMUNICATIONS

Symbol	Description
E	TELEPHONE CONNECTION FOR ELEVATOR CONTROLLER. INCLUDE ALL CABLING AND ACTIVATION OF TELEPHONE SERVICE. ROUTE CABLE INTO THE ELEVATOR CONTROLLER.
	COMBINATION TELEPHONE/DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
	COMBINATION TELEPHONE/DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.
	TELEPHONE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
	TELEPHONE OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.
	DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
	DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.
	COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.
?	DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.
?	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX.
M ?	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, A COMBINATION TELEPHONE/DATA OUTLET, AND A MICROPHONE OUTLET MOUNTED IN A FLOOR BOX.
	TELEVISION CABLE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.
	DATA OUTLET MOUNTED IN THE CEILING.
W	WIFI.

COMMUNICATIONS (Cable Pulled in Contract)

Symbol	Description
1P,3D	COMBINATION TELEPHONE/DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. OUTLET SHALL HAVE ONE TELEPHONE JACK AND THREE DATA JACKS UNLESS NOTED OTHERWISE WITH "P" AND "D" AS SHOWN.
1P,3D	COMBINATION TELEPHONE/DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. OUTLET SHALL HAVE ONE TELEPHONE JACK AND THREE DATA JACKS UNLESS NOTED OTHERWISE.
	TELEPHONE OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. TELEPHONE OUTLET SHALL HAVE ONE JACK UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.
	TELEPHONE OUTLET OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. TELEPHONE OUTLET SHALL HAVE ONE JACK UNLESS NOTED OTHERWISE WITH A NUMBER BESIDE SYMBOL.
2D	DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE. DATA OUTLET SHALL HAVE TWO JACKS UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.
2D	DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPLASH. WHERE THERE IS NO BACKSPLASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX. DATA OUTLET SHALL HAVE TWO JACKS UNLESS NOTED OTHERWISE WITH NUMBER BESIDE SYMBOL.
?	COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.
?	DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. COMMUNICATION OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.
	DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R AND A COMBINATION TELEPHONE/DATA OUTLET MOUNTED IN A FLOOR BOX. COMMUNICATION OUTLET SHALL HAVE ONE TELEPHONE JACK AND ONE DATA JACK UNLESS NOTED OTHERWISE.
M ?	MYSTERY ELECTRONICS #FMCA304Q-RR OR EQUAL WITH TWO RECEPTACLES, TWO DATA CONNECTIONS, AND FOUR MICROPHONE CONNECTORS INCLUDED AND INSTALLED. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONNECTORS AND RECEPTACLES AND BACK BOXES. BACK BOXES SHALL BE EQUAL TO #BB3000D. CONTRACTOR SHALL VERIFY WITH OWNER ANY SPECIAL REQUIREMENTS PRIOR TO SUBMITTING DATA BROCHURE OR ROUGH-IN. FINISH BY ARCHITECT.
EW	6"X6" RECESSED JUNCTION BOX MOUNTED 60" A.F.F. TO CENTERLINE OF BOX FOR ELECTRONIC WHITE BOARD CONTROLS AND NETWORK WIRING. ROUTE A 2" CONDUIT FROM TOP OF BOX TO 12" ABOVE ACCESSIBLE CEILING AND TERMINATE WITH A PROTECTIVE BUSHING. ROUTE A 1" CONDUIT FROM TOP OF BOX TO A POINT ADJACENT THE NEAREST CABLE TRAY - TURN THE CONDUIT HORIZONTAL AND TERMINATE IT WITH A PROTECTIVE BUSHING. ROUTE A 1" CONDUIT FROM BOTTOM OF BOX TO A DATA OUTLET WITH 4 DATA JACKS MOUNTED 18" ABOVE FINISH FLOOR. RUN 2 DATA CABLES FROM OUTLET TO NEAREST DATA BACKBOARD. ELECTRONIC WHITE BOARD AND ITS INSTALLATION ARE NOT IN THIS CONTRACT.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	LITHONIA	EPANL-2X2-4800LM-80CRI-40K MIN10-ZT-MVOLT	LED, 45W 4,843 LUMENS	RECESSED	
AE	LITHONIA	EPANL-2X2-4800LM-80CRI-40K MIN10-ZT-MVOLT-E10WCP	LED, 45W 4,843 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
B	LITHONIA	EPANL-2X2-4000LM-80CRI-40K MIN10-ZT-MVOLT	LED, 37W 4,121 LUMENS	RECESSED	
BE	LITHONIA	EPANL-2X2-4000LM-80CRI-40K MIN10-ZT-MVOLT-E10WCP	LED, 37W 4,121 LUMENS	RECESSED	*WITH 120V EMERGENCY BATTERY PACK.
C	LITHONIA	LBL4-4000LM-80CRI-40K-MIN10 ZT-MVOLT	LED, 32.4W 4,253 LUMENS	SUSPENDED	
D	JUNO	JSF-7IN 10LM-40K-90CRI-MVOLT ZT WH	LED, 13W 1,000 LUMENS	SURFACE	
EM	LITHONIA	ELM4L	LED, 3.15W	WALL	

THE POWER SOURCE
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
FAX (601) 605-4875
TPS PROJ. # 21117

DALE BAILEY AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

ASI #1 10/18/2022

E-000

ELECTRICAL LEGEND

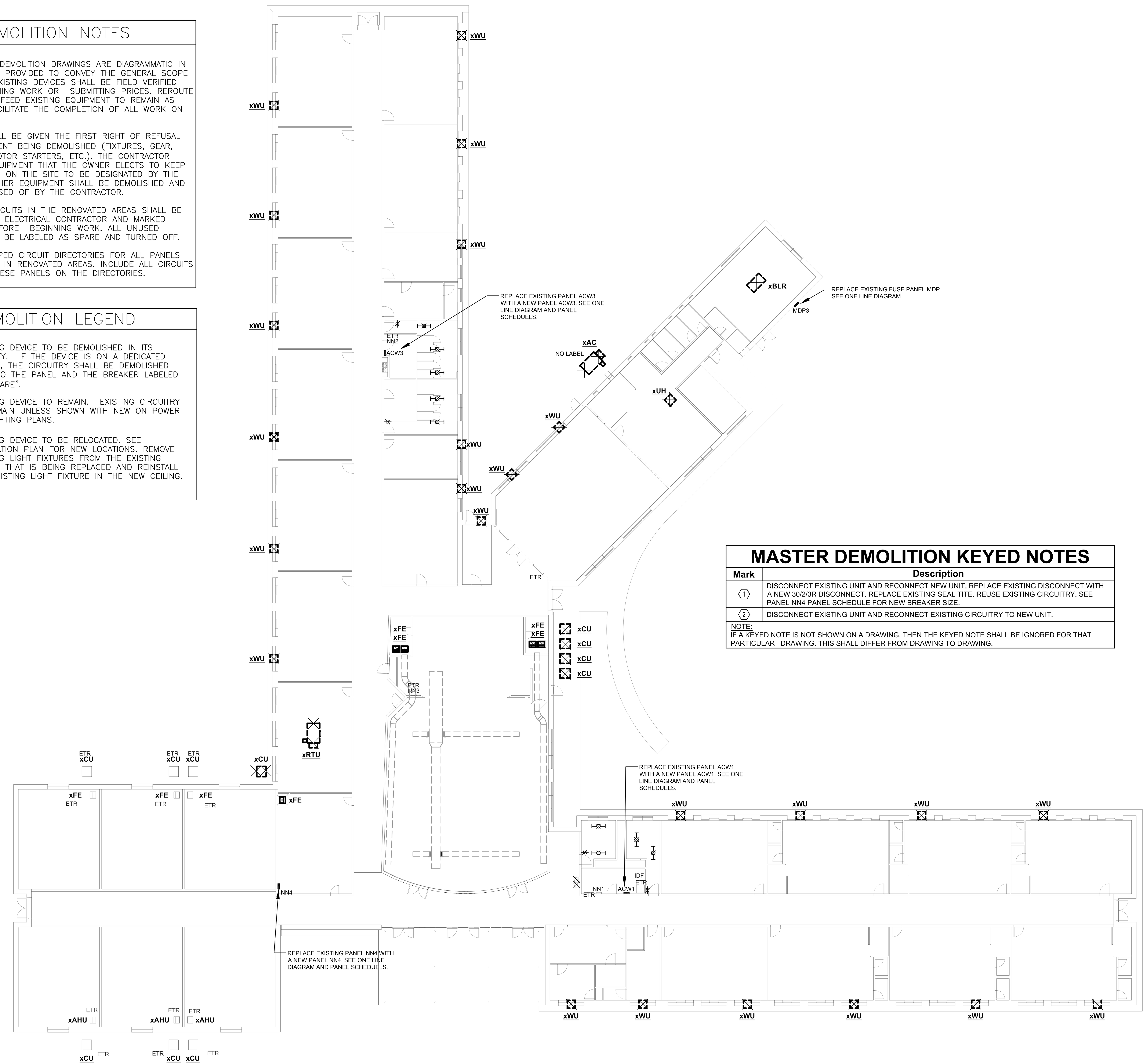
00.08 Architectural
A-041a

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. REMOVE EXISTING LIGHT FIXTURES FROM THE EXISTING CEILING THAT IS BEING REPLACED AND REINSTALL THE EXISTING LIGHT FIXTURE IN THE NEW CEILING.



MASTER DEMOLITION KEYED NOTES

Mark	Description
1	DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REPLACE EXISTING DISCONNECT WITH A NEW 30/2/3R DISCONNECT. REPLACE EXISTING SEAL TITE. REUSE EXISTING CIRCUITRY. SEE PANEL NN4 PANEL SCHEDULE FOR NEW BREAKER SIZE.
2	DISCONNECT EXISTING UNIT AND RECONNECT EXISTING CIRCUITRY TO NEW UNIT.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

1 / ED-100 A.W. JAMES ELEMENTARY SCHOOL - DEMOLITION PLAN
Scale: 1/16" = 1'- 0"

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THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
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161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
AW James Elementary: 400 South Blvd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

A.W. James Elementary School
ED-100
OVERALL DEMOLITION PLAN

ASI #1 10/18/2022

PANEL **MDP3** — LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **1200A** — LUG LOCATION: **TOP FEED** — MAIN BUS: **1200A MAIN BREAKER** — MOUNTING: **SURFACE** — PANELBOARD AIC RATING (A): **42,000**

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	225	3	PANEL ACW1	27.5	0.0					EXISTING OLD MDP PANEL	400	3	2
3	-	-	-			24.0	0.0			-	-	-	4
5	-	-	-					21.8	0.0	-	-	-	6
7	225	3	PANEL NN4	12.9	0.0					EXISTING LOAD	200	3	8
9	-	-	-			15.6	0.0			-	-	-	10
11	-	-	-					12.5	0.0	-	-	-	12
13	225	3	PANEL ACW3	26.1	0.0					EXISTING LOAD	200	3	14
15	-	-	-			27.5	0.0			-	-	-	16
17	-	-	-					23.3	0.0	-	-	-	18
19	225	3	PANEL AWJ	19.5	0.0					EXISTING LOAD	100	3	20
21	-	-	-			20.7	0.0			-	-	-	22
23	-	-	-					16.6	0.0	-	-	-	24
25	225	3	SPARE	0.0	0.0					SPARE	225	3	26
27	-	-	-			0.0	0.0			-	-	-	28
29	-	-	-					0.0	0.0	-	-	-	30
31	100	3	SPARE	0.0	0.0					SPARE	100	3	32
33	-	-	-			0.0	0.0			-	-	-	34
35	-	-	-					0.0	0.0	-	-	-	36
37	400	3	SPARE	0.0	0.0					SPARE	225	3	38
39	-	-	-			0.0	0.0			-	-	-	40
41	-	-	-					0.0	0.0	-	-	-	42
TOTAL				85.9		87.7		74.3					

PANEL **ACW1** — LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A** — LUG LOCATION: **TOP FEED** — MAIN BUS: **MAIN LUGS ONLY** — MOUNTING: **SURFACE** — PANELBOARD AIC RATING (A): **22,000**

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	30	2	DCU-AW-29 & DSS-AW-29	1.9	0.0					EXISTING LOAD	20	1	2
3	-	-	-			1.9	0.0			EXISTING LOAD	20	1	4
5	15	2	DCU-AW-10 & DSS-AW-10					0.9	0.0	EXISTING LOAD	20	1	6
7	-	-	-	0.9	0.0					EXISTING LOAD	20	1	8
9	15	2	DCU-AW-09 & DSS-AW-09			0.9	0.0			EXISTING LOAD	20	1	10
11	-	-	-					0.9	0.0	EXISTING LOAD	20	1	12
13	40	2	DCU-AW-07 & DSS-AW-07	2.8	2.8					DCU-AW-02 & DSS-AW-02	40	2	14
15	-	-	-			2.8	2.8			-	-	-	16
17	40	2	DCU-AW-05 & DSS-AW-05					2.8	2.8	DCU-AW-04 & DSS-AW-04	40	2	18
19	-	-	-	2.8	2.8					-	-	-	20
21	30	2	DCU-AW-30 & DSS-AW-30			1.7	2.8			DCU-AW-06 & DSS-AW-06	40	2	22
23	-	-	-					1.7	2.8	-	-	-	24
25	40	2	DCU-AW-03 & DSS-AW-03	2.8	2.8					DCU-AW-08 & DSS-AW-08	40	2	26
27	-	-	-			2.8	2.8			-	-	-	28
29	40	2	DCU-AW-01 & DSS-AW-01					2.8	1.7	ODU-AW-01	30	2	30
31	-	-	-	2.8	1.7					-	-	-	32
33	20*	1	PROVISIONS FOR HAND DRYER			1.9	0.3			IDU-AW-01a THRU IDU-AW-01c	15	2	34
35	20*	1	PROVISIONS FOR HAND DRYER					1.9	0.3	-	-	-	36
37	20	1	SPARE	0.0	3.1					HRU-AW-01	40	3	38
39	20	1	SPARE			0.0	3.1			-	-	-	40
41	20	1	SPARE					0.0	3.1	-	-	-	42
43	20	1	SPARE	0.0	0.0					SPARE	20	1	44
45	20	1	SPARE			0.0	0.0			SPARE	20	1	46
47	20	1	SPARE					0.0	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51	20	1	SPARE			0.0	0.0			SPARE	20	1	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				27.5		24.0		21.8		* GFCI BREAKER			

PANEL **NN4** — LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A** — LUG LOCATION: **TOP FEED** — MAIN BUS: **MAIN LUGS ONLY** — MOUNTING: **SURFACE** — PANELBOARD AIC RATING (A): **22,000**

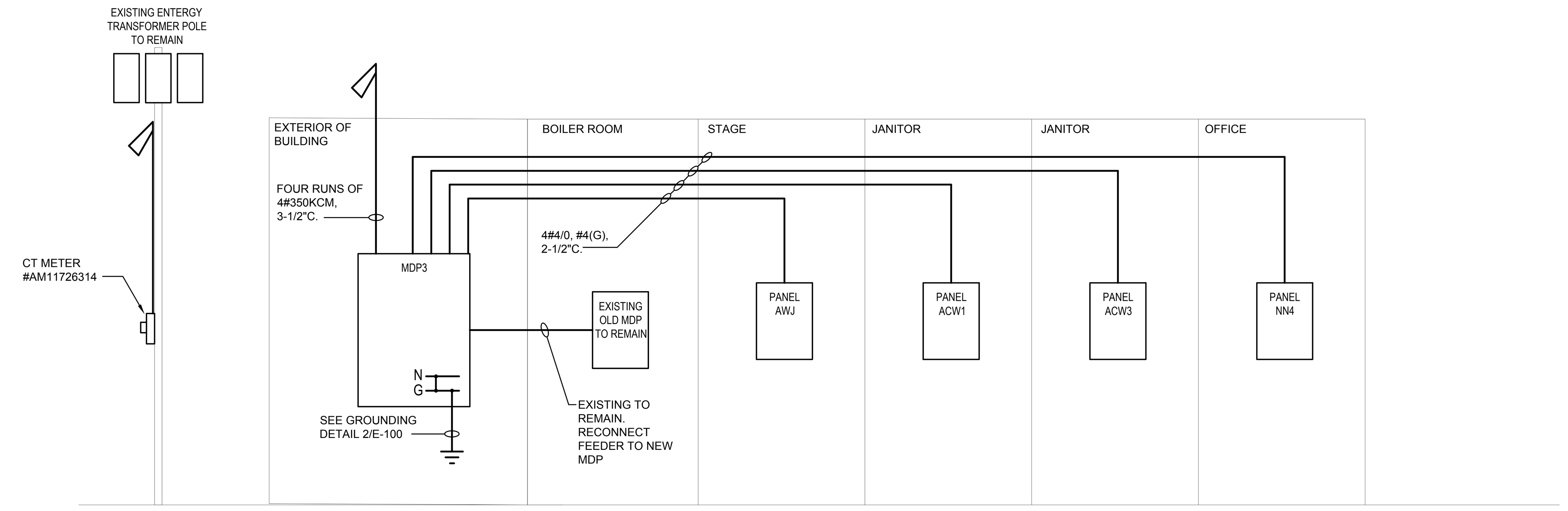
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	18
19	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	20
21	30	2	CU-AW-02			1.6	1.6			CU-AW-07	20	2	22
23	-	-	-					1.6	1.6	-	-	-	24
25	30	2	CU-AW-04	1.6	1.6					CU-AW-05	30	2	26
27	-	-	-			1.6	1.6			-	-	-	28
29	30	2	CU-AW-06					1.6	1.6	CU-AW-03	30	2	30
31	-	-	-	1.6	1.6					-	-	-	32
33	20	1	EXISTING LOAD			0.0	1.6			CU-AW-01	30	2	34
35	20	1	EXISTING LOAD					0.0	1.6	-	-	-	36
37	40	2	DCU-AW-24 & DSS-AW-24	2.8	0.0					SPARE	30	2	38
39	-	-	-			2.8	0.0			-	-	-	40
41	30	2	DCU-AW-32 & DSS-AW-32					1.7	0.0	EXISTING LOAD	20	1	42
43	-	-	-	1.7	0.0					EXISTING LOAD	20	1	44
45	40	2	DCU-AW-26 & DSS-AW-26			2.8	0.0			EXISTING LOAD	20	1	46
47	-	-	-					2.8	0.0	EXISTING LOAD	20	1	48
49	20	1	SPARE	0.0	1.9					DCU-AW-28 & DSS-AW-28	30	2	50
51	20	1	SPARE			0.0	1.9			-	-	-	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				12.9		15.6		12.5					

PANEL **ACW3** — LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A** — LUG LOCATION: **TOP FEED** — MAIN BUS: **MAIN LUGS ONLY** — MOUNTING: **SURFACE** — PANELBOARD AIC RATING (A): **22,000**

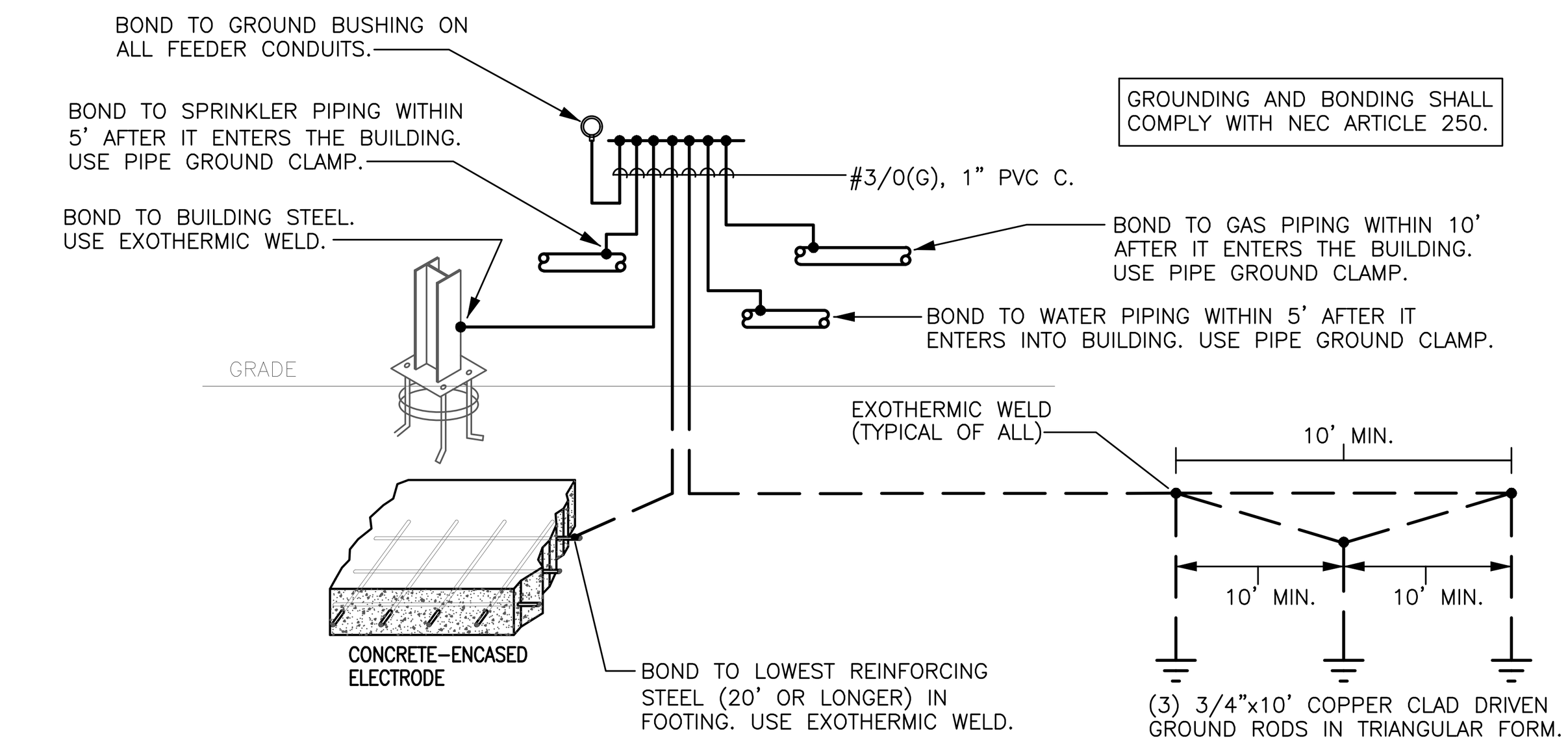
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	2	DCU-AW-12 & DSS-AW-12	2.8	0.0					EXISTING LOAD	20	1	2
3	-	-	-			2.8	0.0			EXISTING LOAD	20	1	4
5	30	2	DCU-AW-31 & DSS-AW-31					1.7	0.0	EXISTING LOAD	20	1	6
7	-	-	-	1.7	0.0					EXISTING LOAD	20	1	8
9	40	2	DCU-AW-14 & DSS-AW-14			2.8	0.0			EXISTING LOAD	20	1	10
11	-	-	-					2.8	0.0	EXISTING LOAD	20	1	12
13	40	2	DCU-AW-16 & DSS-AW-16	2.8	2.8					DCU-AW-11 & DSS-AW-11	40	2	14
15	-	-	-			2.8	2.8			-	-	-	16
17	40	2	DCU-AW-18 & DSS-AW-18					2.8	2.8	DCU-AW-13 & DSS-AW-13	40	2	18
19	-	-	-	2.8	2.8					-	-	-	20
21	40	2	DCU-AW-22 & DSS-AW-22			2.8	1.9			DCU-AW-15 & DSS-AW-15	30	2	22
23	-	-	-					2.8	1.9	-	-	-	24
25	20	1	EXISTING LOAD	0.0	0.9					DCU-AW-17 & DSS-AW-17	15	2	26
27	20*	1	PROVISIONS FOR HAND DRYER			1.2	0.9			-	-	-	28
29	20*	1	PROVISIONS FOR HAND DRYER					1.2	0.9	DCU-AW-19 & DSS-AW-19	15	2	30
31	20*	1	PROVISIONS FOR HAND DRYER	1.2	0.9					-	-	-	32
33	20*	1	PROVISIONS FOR HAND DRYER			1.2	0.9			DCU-AW-20 & DSS-AW-20	15	2	34
35	20*	1	SPARE					0.0	0.9	-	-	-	36
37	60	3	HRU-AW-02	5.4	1.9					DCU-AW-21 & DSS-AW-21	30	2	38
39	-	-	-			5.4	1.9			-	-	-	40
41	-	-	-					5.4	0.0	SPARE	20*	1	42
TOTAL				26.1		27.5		23.3		* GFCI BREAKER			

PANEL **AWJ** — LOCATION: **ELECTRICAL ROOM** — VOLT: **208Y/120V, 3Ø, 4W** — BUS: **225A** — LUG LOCATION: **TOP FEED** — MAIN BUS: **MAIN LUGS ONLY** — MOUNTING: **SURFACE** — PANELBOARD AIC RATING (A): **22,000**

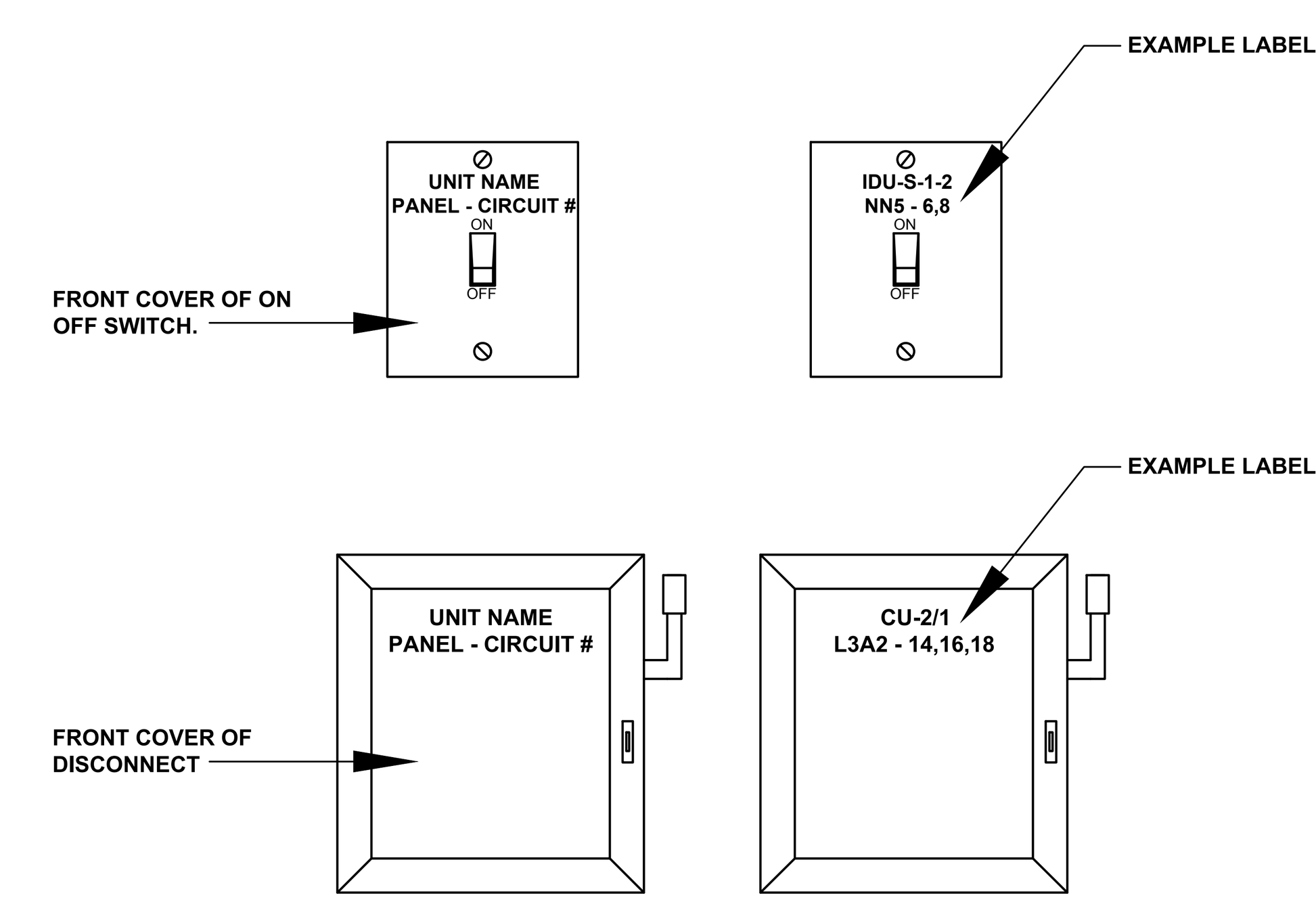
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	50	3	RTU-AW-02	4.3	3.4					AC-AW-01	45	3	2
3	-	-	-			4.3	3.4			-	-	-	4
5	-	-	-					4.3	3.4	-	-	-	6
7	20	1	SPARE	0.0	1.9					DCU-AW-33 & DSS-AW-33	30	2	8
9	40	2	CU-AW-09a			2.1	1.9			-	-	-	10
11	-	-	-					2.1	1.9	FE-AW-08a	30	1	12
13	40	2	CU-AW-09b	2.1	1.9					FE-AW-08b	30	1	14
15	-	-	-			2.1	1.9			FE-AW-09a	30	1	16
17	40	2	CU-AW-08a					2.1	1.9	FE-AW-09b	30	1	18
19	-	-	-	2.1	0.0					SPARE	20	-	20
21	40	2	CU-AW-08b			2.1	0.0			SPARE	20	1	22
23	-	-	-					0.0	0.0	SPARE	20	1	24
25	40	2	DCU-AW-23 & DSS-AW-23	2.8	0.0					SPARE	20	1	26
27	-	-	-			2.8	0.0			SPARE	20	1	28
29	15	2	DCU-AW-25 & DSS-AW-25					0.9	0.0	SPARE	20	1	30
31	-	-	-	0.9	0.0					SPARE	20	1	32
33	20	1	SPARE			0.0	0.0			SPARE	20	1	34
35	20	1	SPARE					0.0	0.0	SPARE	20	1	36
37	20	1	SPARE	0.0	0.0					SPARE	20	1	38
39	20	1	SPARE			0.0	0.0			SPARE	20	1	40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
43	20	1	SPARE	0.0	0.0					SPARE	20	1	44
45	20	1	SPARE			0.0	0.0			SPARE	20	1	46
47	20	1	SPARE					0.0	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51	20	1	SPARE			0.0	0.0			SPARE	20	1	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				19.5		20.7		16.6					



1 / E-100 **ONE LINE DIAGRAM - A.W. JAMES ELEMENTARY**
Scale: NONE



2 / E-100 **GROUNDING DETAIL - A.W. JAMES ELEMENTARY**
Scale: NONE



3 / E-100 **TYPICAL DISCONNECT LABELING DETAIL**
Scale: NONE

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
FAX (601) 605-4875
TPS PROJ. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
AW James Elementary: 400 South Blvd, Drew, MS 38737

Construction Documents

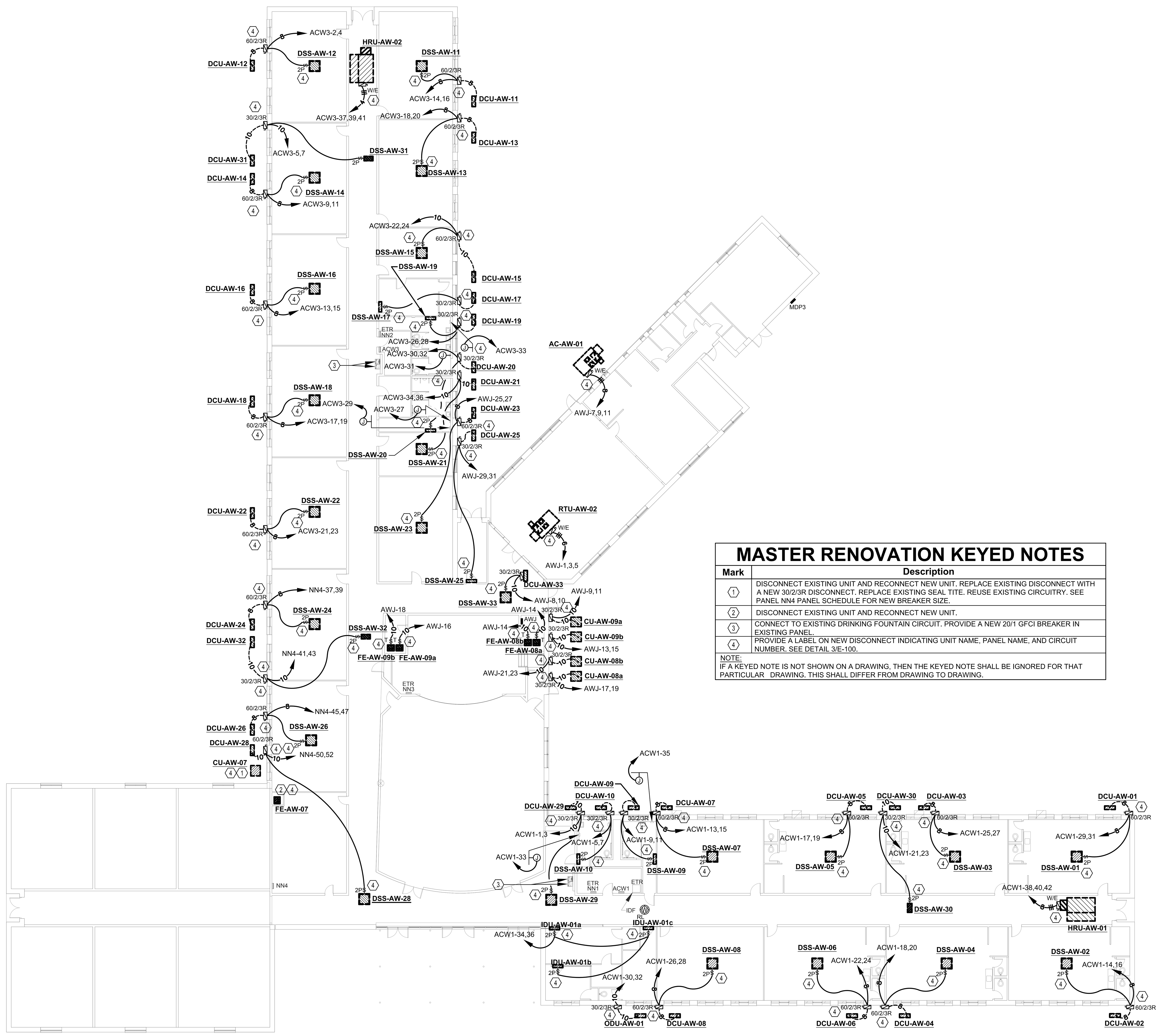
Project No	21027
Date	2/2/2021
Revisions	Rev Date

A.W. James Elementary School

E-100

OVERALL DEMOLITION PLAN

ASI #1 10/18/2022



MASTER RENOVATION KEYED NOTES

Mark	Description
1	DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. REPLACE EXISTING DISCONNECT WITH A NEW 30/2/3R DISCONNECT. REPLACE EXISTING SEAL TITE. REUSE EXISTING CIRCUITRY. SEE PANEL NN4 PANEL SCHEDULE FOR NEW BREAKER SIZE.
2	DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT.
3	CONNECT TO EXISTING DRINKING FOUNTAIN CIRCUIT. PROVIDE A NEW 20/1 GFCI BREAKER IN EXISTING PANEL.
4	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 3/E-100.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

1
E-101
A.W. JAMES ELEMENTARY SCHOOL - RENOVATION PLAN
Scale: 1/16" = 1'- 0"

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
AW James Elementary: 400 South Blvd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

A.W. James Elementary School

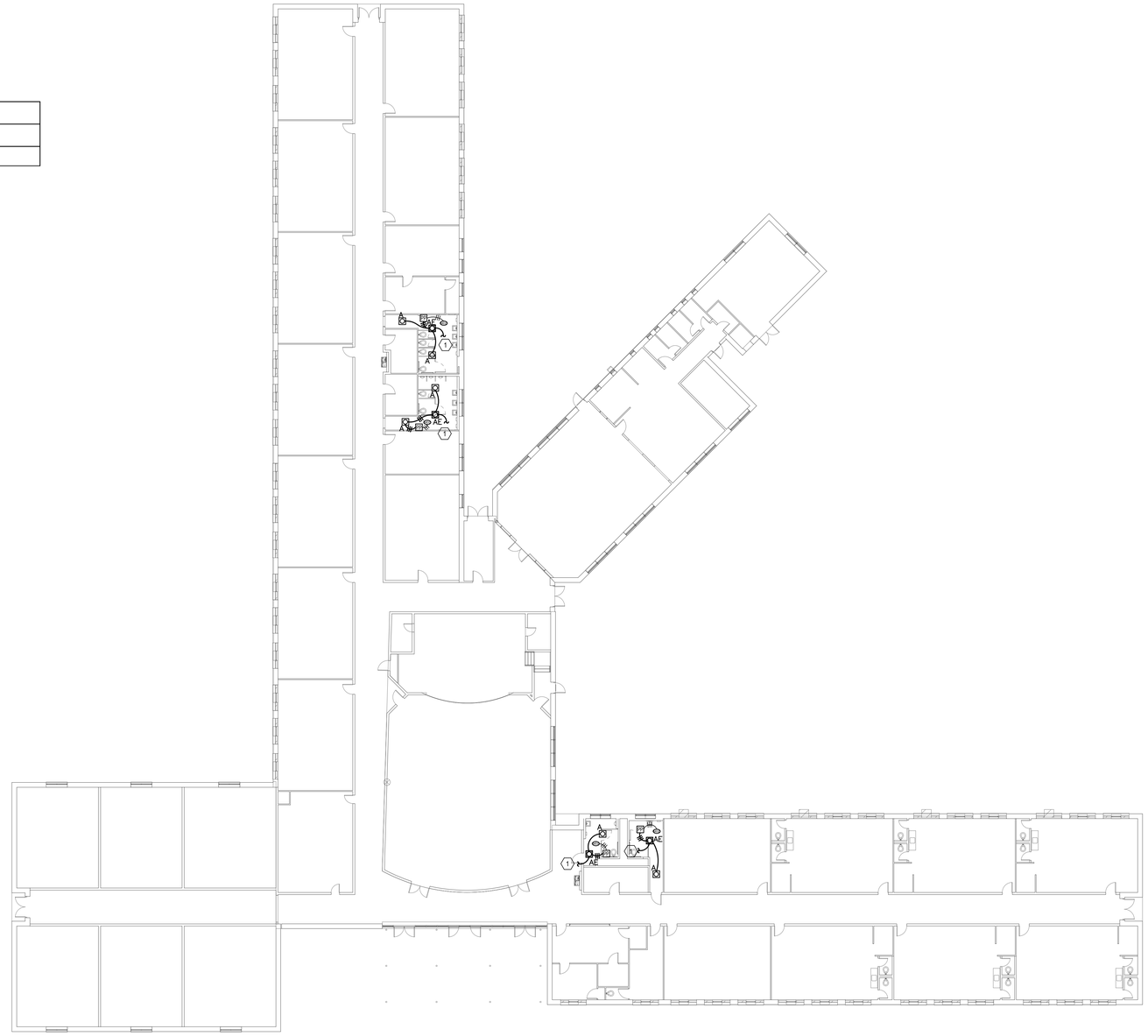
E-101

OVERALL RENOVATION PLAN

ASI #1 10/18/2022

KEYED NOTES

Mark	Description
1	RECONNECT TO EXISTING CIRCUITRY IN THIS AREA.



1 E-102 A.W. JAMES ELEMENTARY SCHOOL - OVERALL LIGHTING PLAN
Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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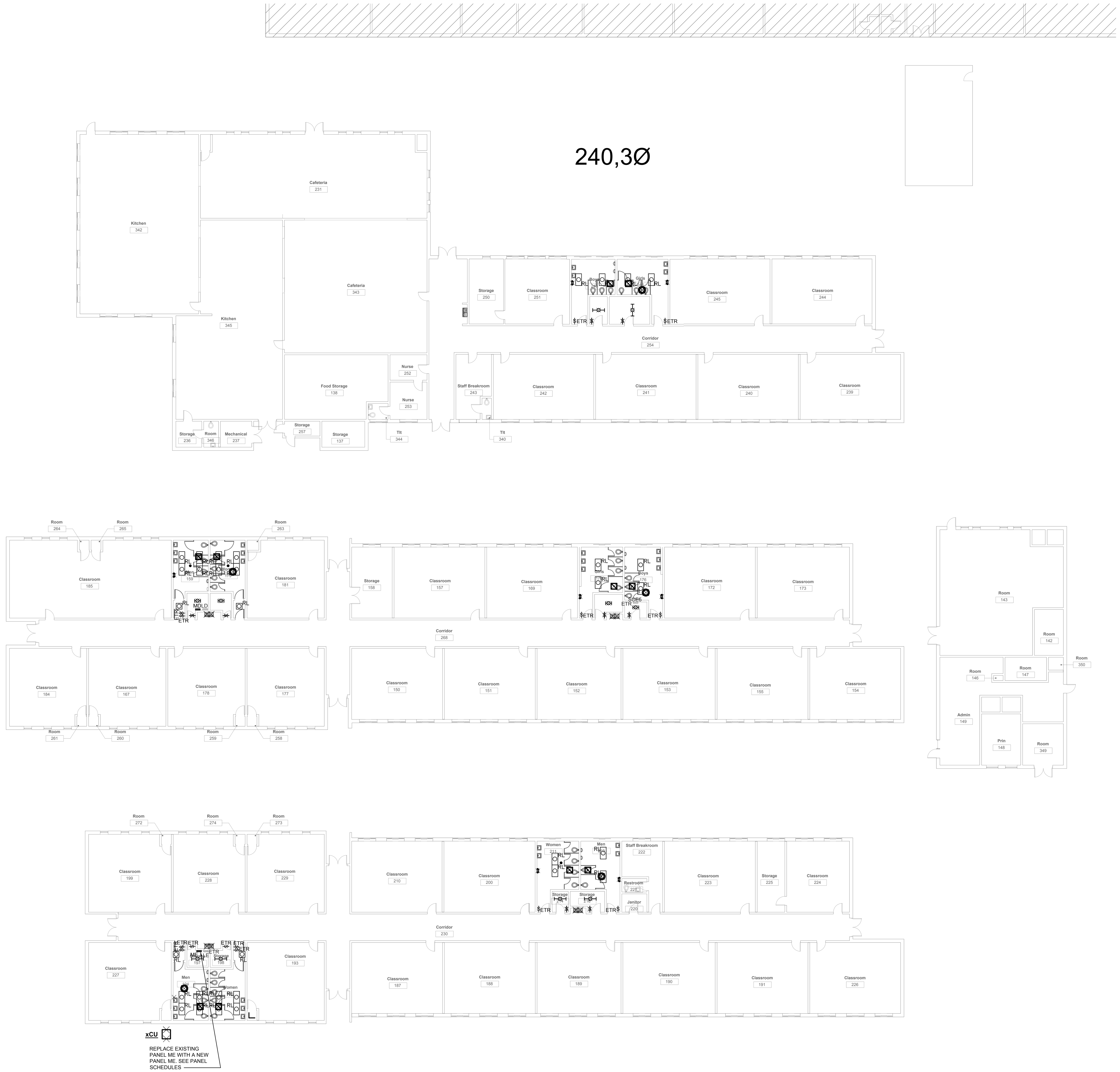
AW James Elementary: 400 South Blvd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

A.W. James Elementary School
E-102
OVERALL RENOVATION PLAN



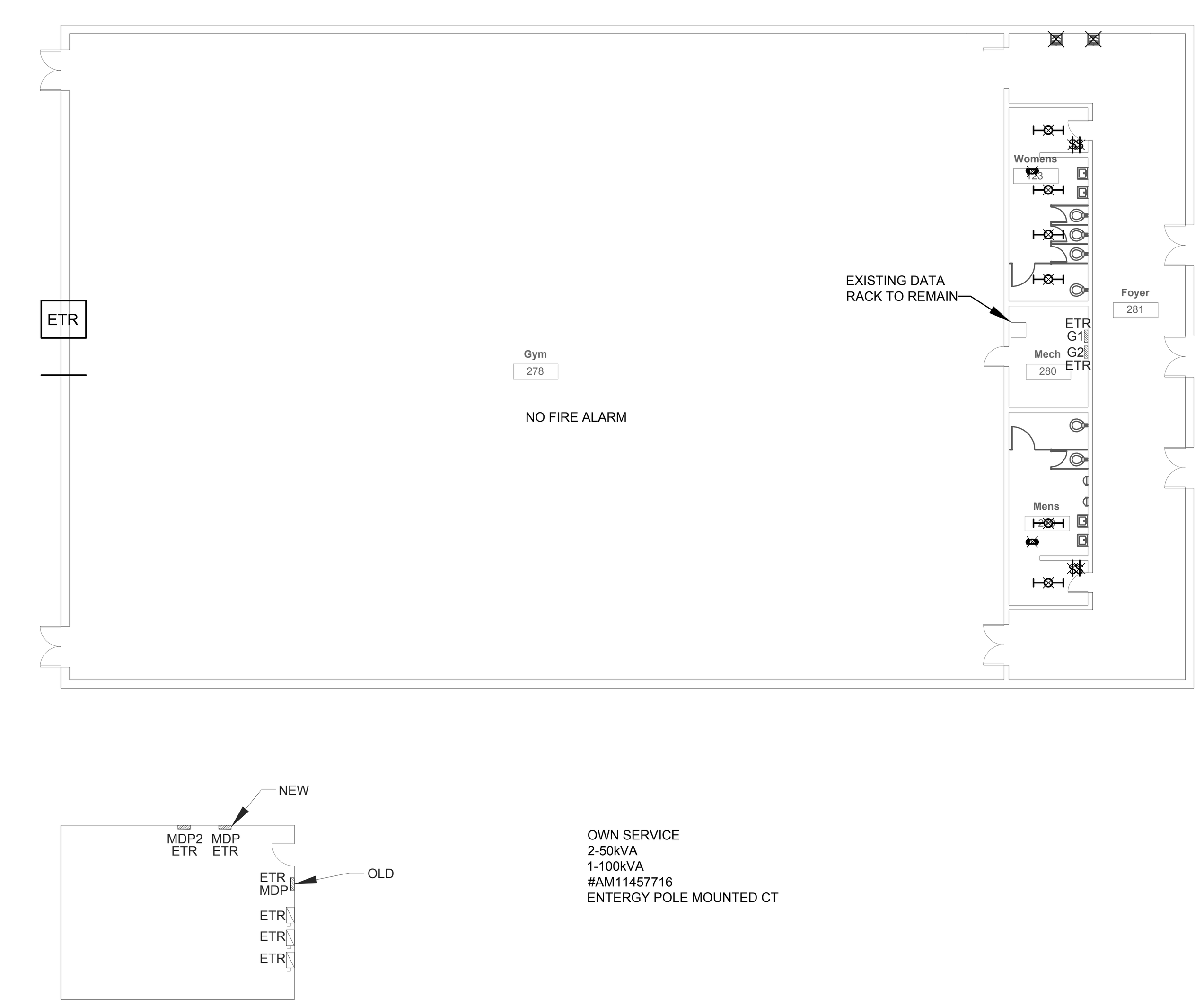
1 ED-200 **CARVER ELEMENTARY SCHOOL - PARTIAL DEMOLITION PLAN**
Scale: 1/16" = 1'- 0"

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. RECONNECT THE DEVICE TO THE EXISTING CIRCUITRY.



2 ED-200 **CARVER ELEMENTARY SCHOOL - PARTIAL DEMOLITION PLAN**
Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Carver Elementary School: 404 Jefferson St. Indianola, MS 38751

Construction Documents

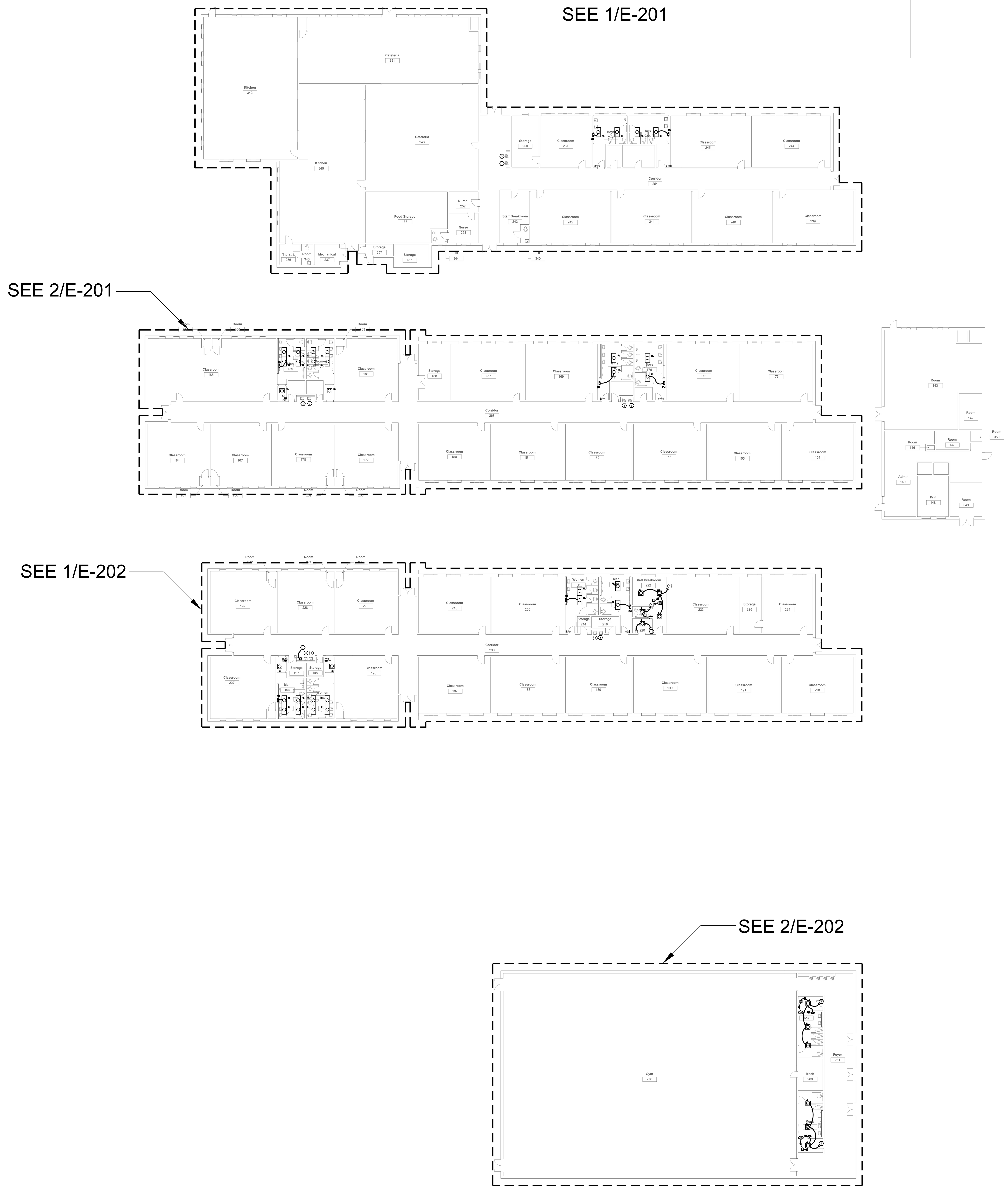
Project No	21027
Date	2/2/2021
Revisions	Rev Date

Carver Elementary School

ED-200

OVERALL DEMOLITION PLAN

00.08 Architectural
A-041a



1 E-200 CARVER ELEMENTARY SCHOOL - OVERALL LIGHTING PLAN
Scale: 1" = 20'- 0"

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Carver Elementary School: 404 Jefferson St. Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Carver Elementary School

E-200

OVERALL LIGHTING PLAN

12/16/2021 8:32:25 AM
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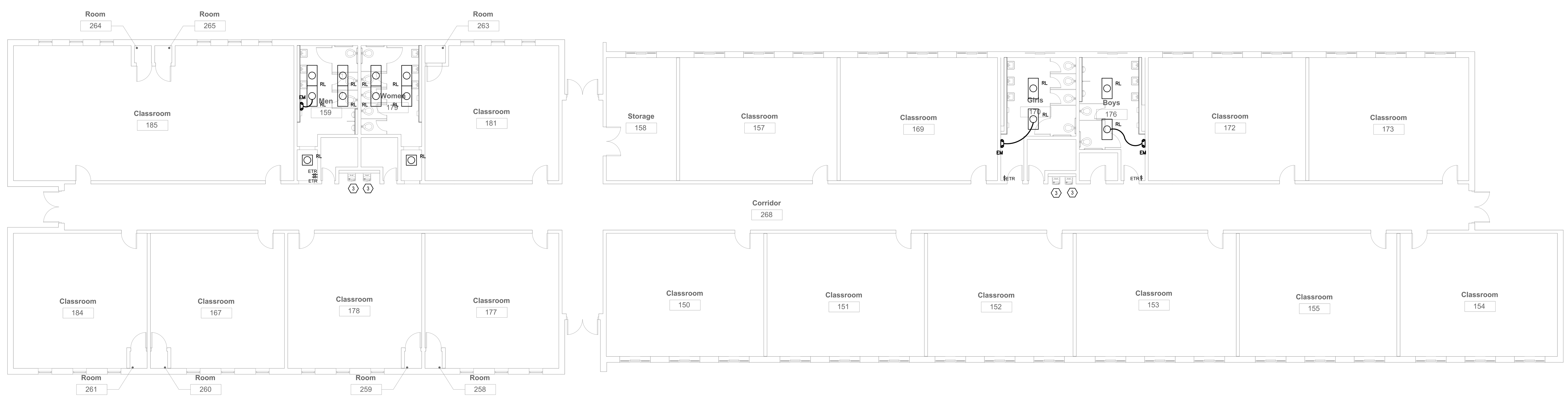
00.08 Architectural
A-041a

KEYED NOTES	
Mark	Description
1	RECONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
2	PROVIDE A NEW 20/1 GFCI BREAKER IN EXISTING PANEL "ME".
3	CONNECT TO EXISTING DRINKING FOUNTAIN CIRCUIT. PROVIDE A NEW 20/1 GFCI BREAKER IN EXISTING PANEL.

1 E-201 CARVER ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN
Scale: 3/32" = 1'- 0"



2 E-201 CARVER ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN
Scale: 3/32" = 1'- 0"

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ASI #1 10/18/2022

THE POWER SOURCE
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Carver Elementary School: 404 Jefferson St. Indianola, MS 38751

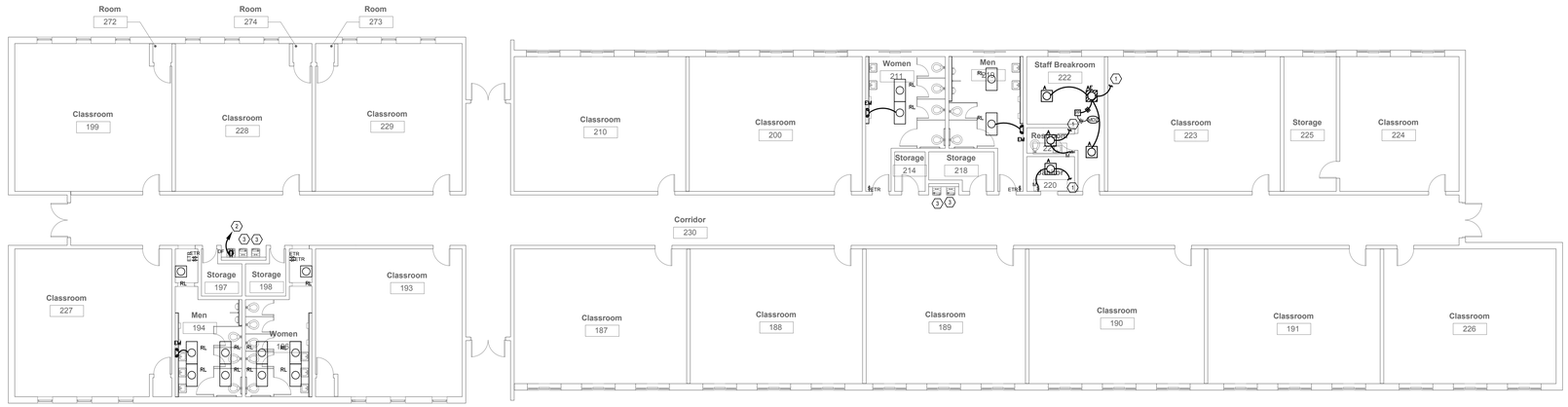
Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Carver Elementary School

E-201

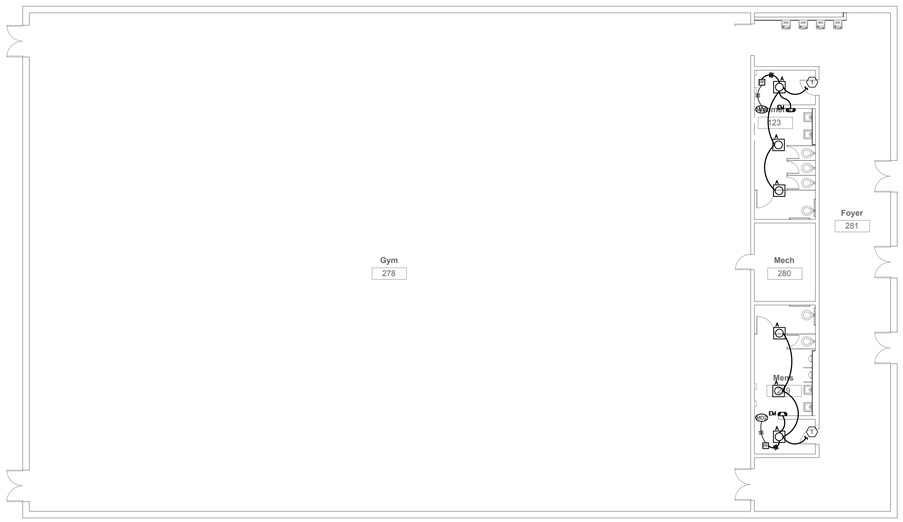
PARTIAL LIGHTING PLANS



1 / E-202 CARVER ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN
Scale: 3/32" = 1'- 0"

KEYED NOTES

Mark	Description
1	RECONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
2	PROVIDE A NEW 20/1 GFCI BREAKER IN EXISTING PANEL "ME".
3	CONNECT TO EXISTING DRINKING FOUNTAIN CIRCUIT. PROVIDE A NEW 20/1 GFCI BREAKER IN EXISTING PANEL.



2 / E-202 CARVER ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN
Scale: 3/32" = 1'- 0"

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Carver Elementary School: 404 Jefferson St. Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Carver Elementary School
E-202
PARTIAL LIGHTING PLANS

ASI #1 10/18/2022

00.08 Architectural
A-041a

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
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3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

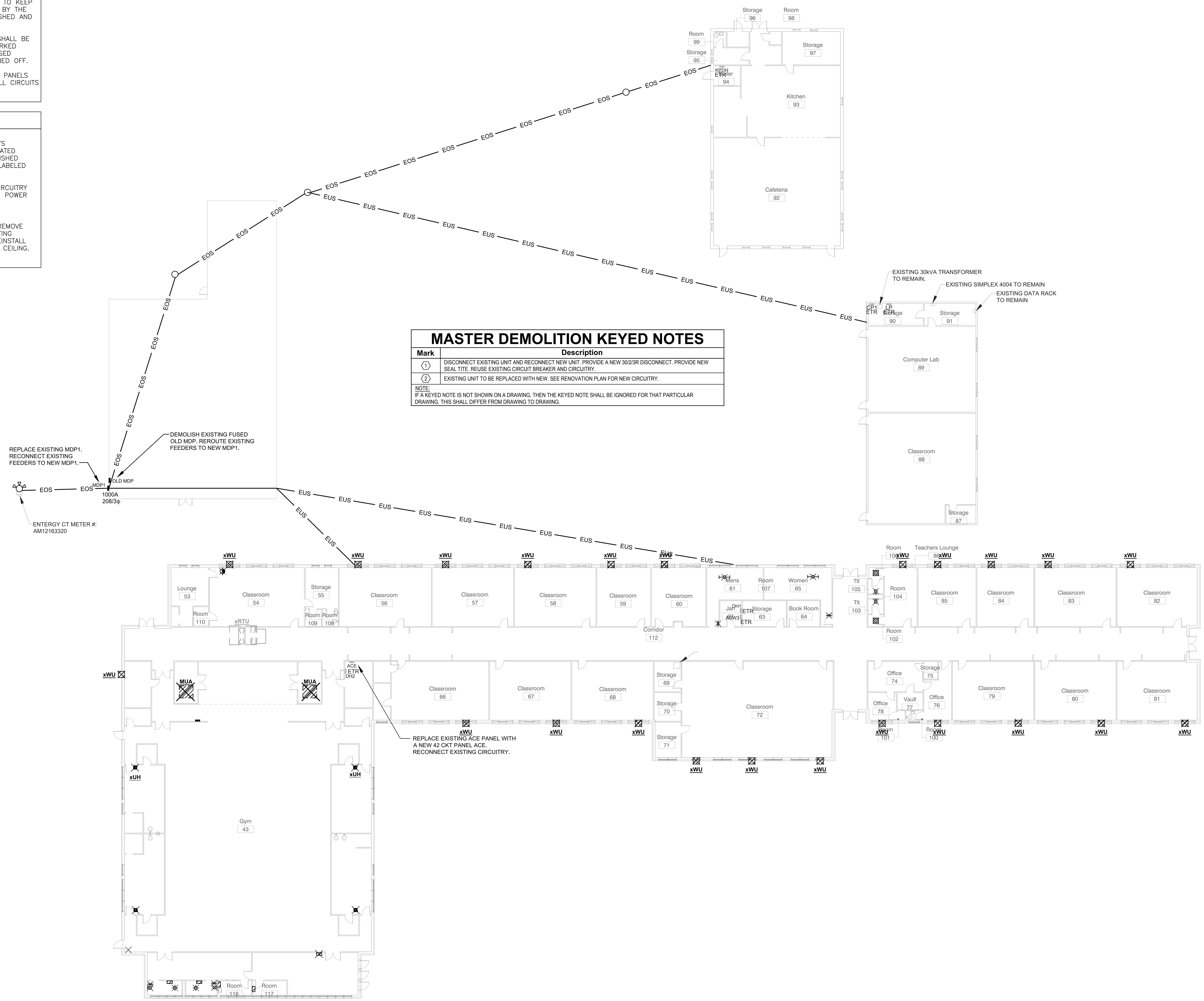
DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. REMOVE EXISTING LIGHT FIXTURES FROM THE EXISTING CEILING THAT IS BEING REPLACED AND REINSTALL THE EXISTING LIGHT FIXTURE IN THE NEW CEILING.

MASTER DEMOLITION KEYED NOTES

Mark	Description
1	DISCONNECT EXISTING UNIT AND RECONNECT NEW UNIT. PROVIDE A NEW 30/2/3R DISCONNECT. PROVIDE NEW SEAL TITE. REUSE EXISTING CIRCUIT BREAKER AND CIRCUITRY.
2	EXISTING UNIT TO BE REPLACED WITH NEW. SEE RENOVATION PLAN FOR NEW CIRCUITRY.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



1 ED-300
DREW HUNTER MIDDLE SCHOOL - OVERALL DEMOLITION PLAN
Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

CHRISTOPHER L. GREEN
LICENSED PROFESSIONAL ENGINEER
2/2/2022
16778
STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Drew Hunter Middle School: 10 Swoope Rd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Drew Hunter Middle School

ED-300

OVERALL DEMOLITION PLAN

12/16/2021 8:32:25 AM
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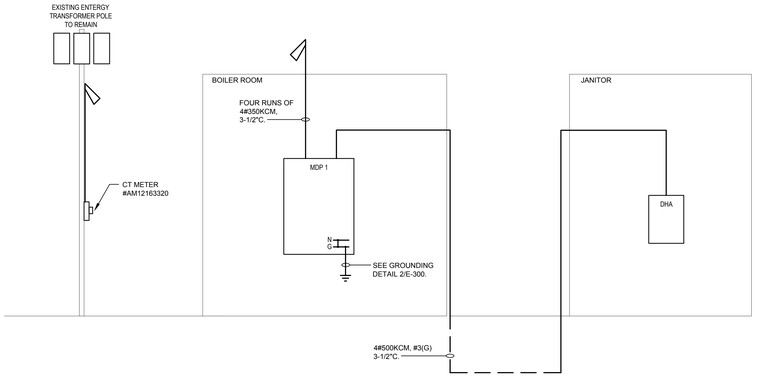
PANEL		LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	TOP FEED	UL LISTED FOR SERVICE ENTRANCE					
MDP-1		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	1200A MAIN BREAKER						
		BUS:	1200A	MOUNTING:	SURFACE	PANELBOARD AIC RATING (A):	42,000				
CIRCUIT	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT
NO.	AMPS	POLES		A		B		C			AMPS	POLES	NO.
1	400	3	PANEL DHA	33.1	0.0					EXISTING LOAD FROM OLD PANEL MDP	100	3	2
3						30.6	0.0						4
5								31.7	0.0				6
7	200	3	EXISTING LOAD ACE	19.0	0.0					EXISTING LOAD FROM OLD PANEL MDP	100	3	8
9	-	-	-			14.8	0.0			-	-	-	10
11	-	-	-					20.6	0.0	-	-	-	12
13	400	3	EXISTING LOAD CAFETERIA	9.2	0.0					EXISTING LOAD FROM OLD PANEL MDP	200	3	14
15	-	-	-			9.2	0.0			-	-	-	16
17	200	3	EXISTING LOAD ACW3	0.0	0.0			9.2	0.0	EXISTING LOAD FROM OLD PANEL MDP	200	3	18
19	-	-	-			0.0	0.0			-	-	-	20
21	-	-	-					0.0	0.0	-	-	-	22
23	-	-	-										24
25	225	3	SPARE	0.0	0.0					EXISTING LOAD FROM OLD PANEL MDP	200	3	26
27	-	-	-			0.0	0.0			-	-	-	28
29	-	-	-					0.0	0.0	-	-	-	30
31	100	3	SPARE	0.0	0.0					EXISTING LOAD FROM OLD PANEL MDP	200	3	32
33	-	-	-			0.0	0.0			-	-	-	34
35	-	-	-					0.0	0.0	-	-	-	36
37	400	3	SPARE	0.0	0.0					SPARE	225	3	38
39	-	-	-			0.0	0.0			-	-	-	40
41	-	-	-					0.0	0.0	-	-	-	42
TOTAL				61.3		54.6		61.5					

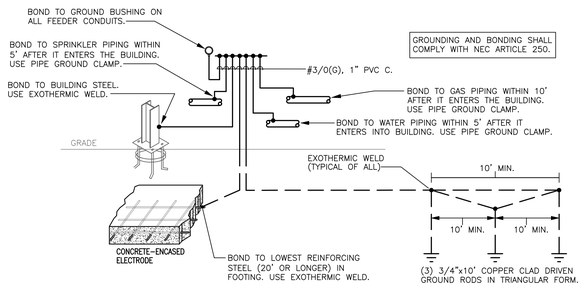
PANEL		LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	BOTTOM FEED						
DHA		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	400A MAIN B/N BREAKER						
		BUS:	400A	MOUNTING:	SURFACE	PANELBOARD AIC RATING (A):	22,000				
CIRCUIT	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT
NO.	AMPS	POLES		A		B		C			AMPS	POLES	NO.
1	15	2	DCU-DH-11 & DSS-DH-11	0.9	3.9					HRU-DH-01	50	3	2
3	-	-	-			0.9	3.9			-	-	-	4
5	30	2	DCU-DH-12 & DSS-DH-12					1.9	3.9	-	-	-	6
7	-	-	-	1.9	3.1					HRU-DH-02	40	3	8
9	30	2	DCU-DH-13 & DSS-DH-13			1.9	3.1			-	-	-	10
11	-	-	-					1.9	3.1	-	-	-	12
13	30	2	DCU-DH-34 & DSS-DH-34	1.7	0.9					DCU-DH-23 & DSS-DH-23	15	2	14
15	-	-	-			1.7	0.9			-	-	-	16
17	40	2	DCU-DH-14 & DSS-DH-14					2.8	0.9	DCU-DH-24 & DSS-DH-24	15	2	18
19	-	-	-	2.8	0.9					-	-	-	20
21	40	2	DCU-DH-15 & DSS-DH-15			2.8	0.9			DCU-DH-25 & DSS-DH-25	15	2	22
23	-	-	-					2.8	0.9	-	-	-	24
25	40	2	DCU-DH-16 & DSS-DH-16	2.8	2.8					DCU-DH-26 & DSS-DH-26	40	2	26
27	-	-	-			2.8	2.8			-	-	-	28
29	40	2	DCU-DH-17 & DSS-DH-17					2.8	1.7	ODU-DH-01	30	2	30
31	-	-	-	2.8	1.7					-	-	-	32
33	40	2	DCU-DH-18 & DSS-DH-18			2.8	0.3			IDU-DH-01a THRU IDU-DH-01c	15	2	34
35	-	-	-					2.8	0.3	-	-	-	36
37	40	2	DCU-DH-05 & DSS-DH-05	2.8	1.2					PROVISIONS FOR HAND DRYER	20*	1	38
39	-	-	-			2.8	1.2			PROVISIONS FOR HAND DRYER	20*	1	40
41	40	2	DCU-DH-06 & DSS-DH-06					2.8	1.2	PROVISIONS FOR HAND DRYER	20*	1	42
43	-	-	-	2.8	0.0					PROVISIONS FOR HAND DRYER	20*	1	44
45	30	2	DCU-DH-32 & DSS-DH-32			1.7	0.0			PROVISIONS FOR HAND DRYER	20*	1	46
47	-	-	-					1.7	0.0	PROVISIONS FOR HAND DRYER	20*	1	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51	20	1	SPARE			0.0	0.0			SPARE	20	1	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				33.1		30.6		31.7		* GFCI BREAKER			

PANEL		LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	BOTTOM FEED						
ACE		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	200A MAIN BREAKER						
		BUS:	200A	MOUNTING:	SURFACE	PANELBOARD AIC RATING (A):	22,000				
CIRCUIT	BREAKER		DESCRIPTION	PHASE LOAD (KVA)						DESCRIPTION	BREAKER		CIRCUIT
NO.	AMPS	POLES		A		B		C			AMPS	POLES	NO.
1	30	2	DCU-DH-37 & DSS-DH-37	1.7	0.0					EXISTING LOAD	20	1	2
3	-	-	-			1.7	0.0			EXISTING LOAD	20	1	4
5	30	2	DCU-DH-38 & DSS-DH-38					1.7	0.0	EXISTING LOAD	20	1	6
7	-	-	-	1.7	0.0					EXISTING LOAD	20	1	8
9	30	2	DCU-DH-40 & DSS-DH-40			1.7	0.0			EXISTING LOAD	20	1	10
11	-	-	-					1.7	0.0	EXISTING LOAD	20	1	12
13	30	2	DCU-DH-39 & DSS-DH-39	1.7	0.9					DCU-DH-03 & DSS-DH-03	15	2	14
15	-	-	-			1.7	0.9			-	-	-	16
17	30	2	DCU-DH-36 & DSS-DH-36					1.7	2.8	DCU-DH-04 & DSS-DH-04	40	2	18
19	-	-	-	1.7	2.8					-	-	-	20
21	30	2	DCU-DH-35 & DSS-DH-35			1.7	0.9			DCU-DH-30 & DSS-DH-30	15	2	22
23	-	-	-					1.7	0.9	-	-	-	24
25	15	2	DCU-DH-01 & DSS-DH-01	0.9	0.9					DCU-DH-29 & DSS-DH-29	15	2	26
27	-	-	-			0.9	0.9			-	-	-	28
29	40	2	DCU-DH-02 & DSS-DH-02					2.8	2.8	DCU-DH-28 & DSS-DH-28	40	2	30
31	-	-	-	2.8	2.8					-	-	-	32
33	30	2	DCU-DH-31 & DSS-DH-31			1.7	2.8			DCU-DH-27 & DSS-DH-27	40	2	34
35	-	-	-					1.7	2.8	-	-	-	36
37	20*	1	PROVISIONS FOR HAND DRYER	1.2	0.0					SPARE	20	1	38
39	20	1	SPARE			0.0	0.0			SPARE	20	1	40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
TOTAL				19.0		14.8		20.6		* GFCI BREAKER			



1 / E-300 ONE LINE DIAGRAM - DREW HUNTER MIDDLE SCHOOL

Scale: 1/16" = 1'-0"



2 / E-300 GROUNDING DETAIL

Scale: NONE

ASI #1 10/18/2022

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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CERTIFICATE OF AUTHORIZATION — 2/2/2021 — 16779 — STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Drew Hunter Middle School: 10 Swoope Rd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Drew Hunter Middle School

E-300

OVERALL RENOVATION PLAN

00.08 Architectural
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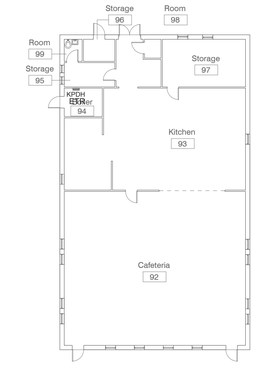
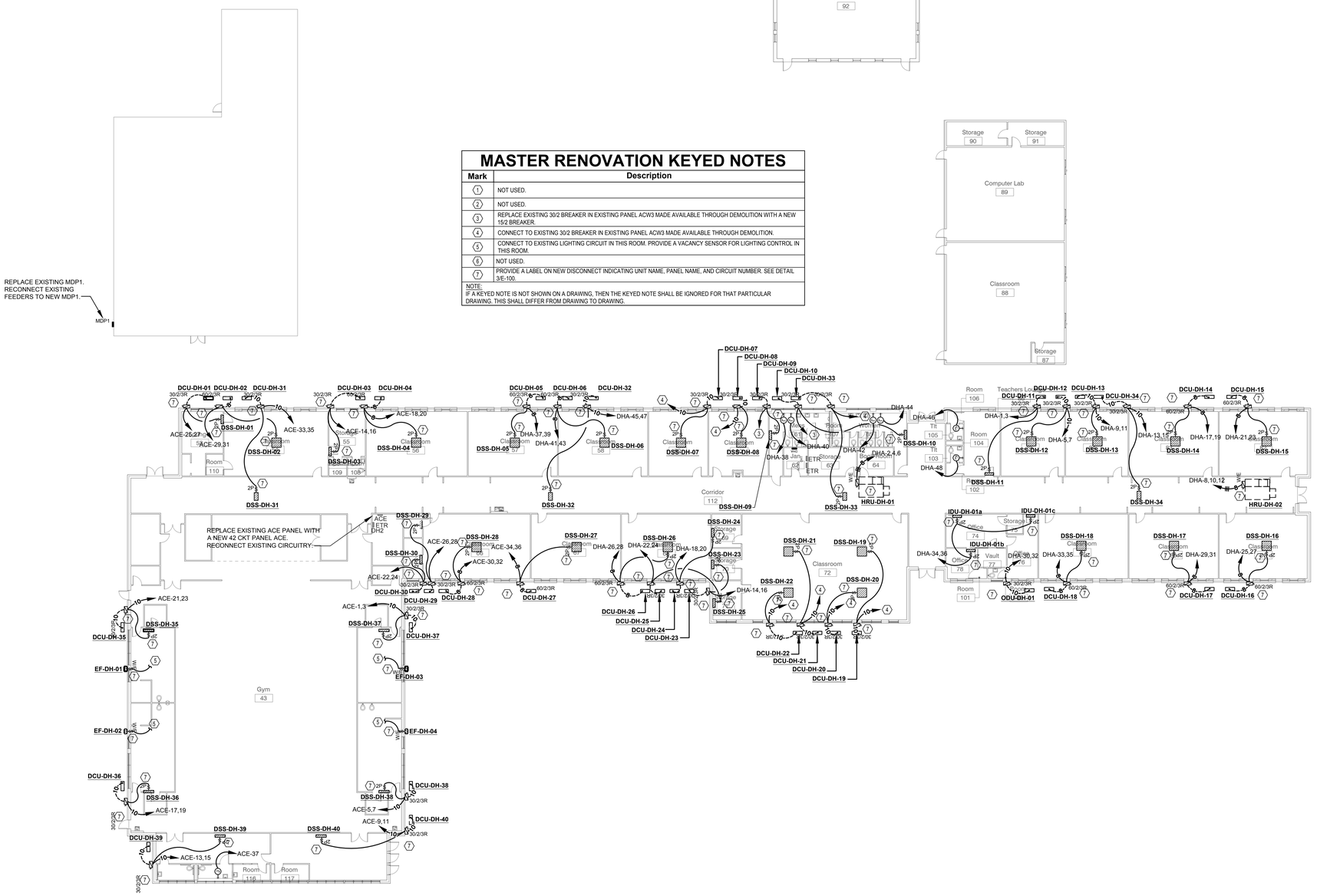


MASTER RENOVATION KEYED NOTES

Mark	Description
1	NOT USED.
2	NOT USED.
3	REPLACE EXISTING 30/2 BREAKER IN EXISTING PANEL ACW3 MADE AVAILABLE THROUGH DEMOLITION WITH A NEW 15/2 BREAKER.
4	CONNECT TO EXISTING 30/2 BREAKER IN EXISTING PANEL ACW3 MADE AVAILABLE THROUGH DEMOLITION.
5	CONNECT TO EXISTING LIGHTING CIRCUIT IN THIS ROOM. PROVIDE A VACANCY SENSOR FOR LIGHTING CONTROL IN THIS ROOM.
6	NOT USED.
7	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 3/E-100.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



DREW HUNTER MIDDLE SCHOOL - OVERALL RENOVATION PLAN

1 / E-301

Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Drew Hunter Middle School: 10 Swoope Rd, Drew, MS 38737

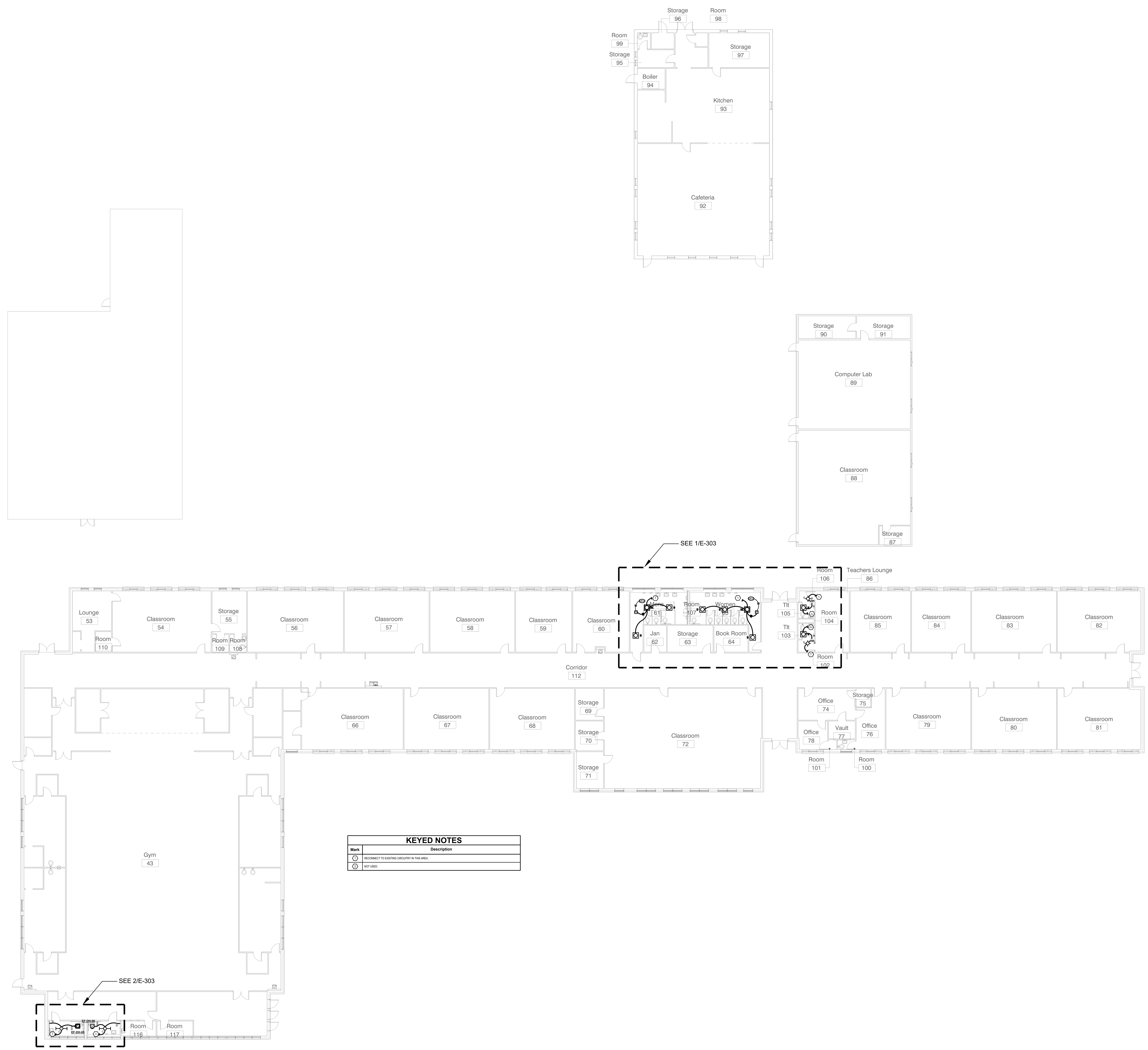
Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Drew Hunter Middle School

E-301

OVERALL RENOVATION PLAN



KEYED NOTES	
Mark	Description
1	RECONNECT TO EXISTING CIRCUITRY IN THIS AREA.
2	NOT USED.

1 / E-302 DREW HUNTER MIDDLE SCHOOL - OVERALL LIGHTING PLAN
Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
FAX (601) 605-4875
TPS PROJ. # 21117

DALE BAILEY AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign

Drew Hunter Middle School: 10 Swoope Rd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Drew Hunter Middle School

E-302

OVERALL RENOVATION PLAN

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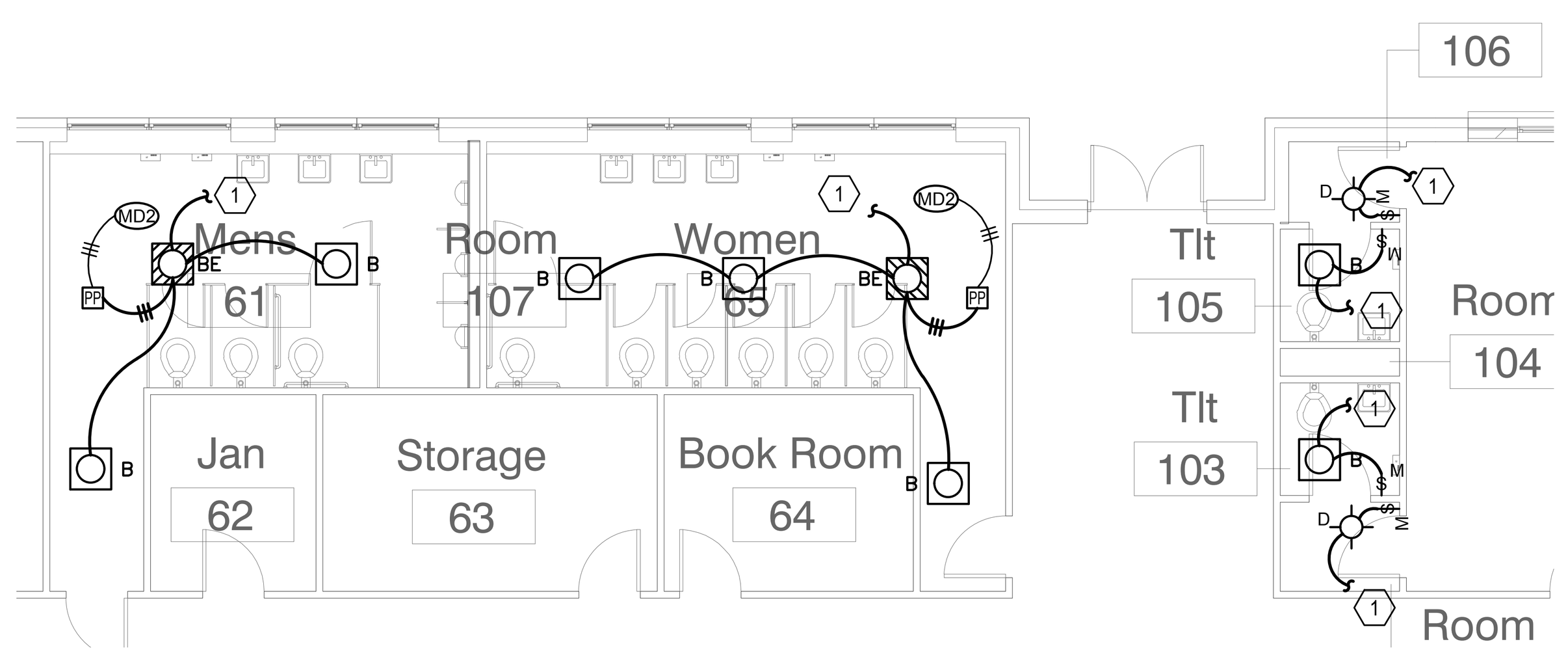
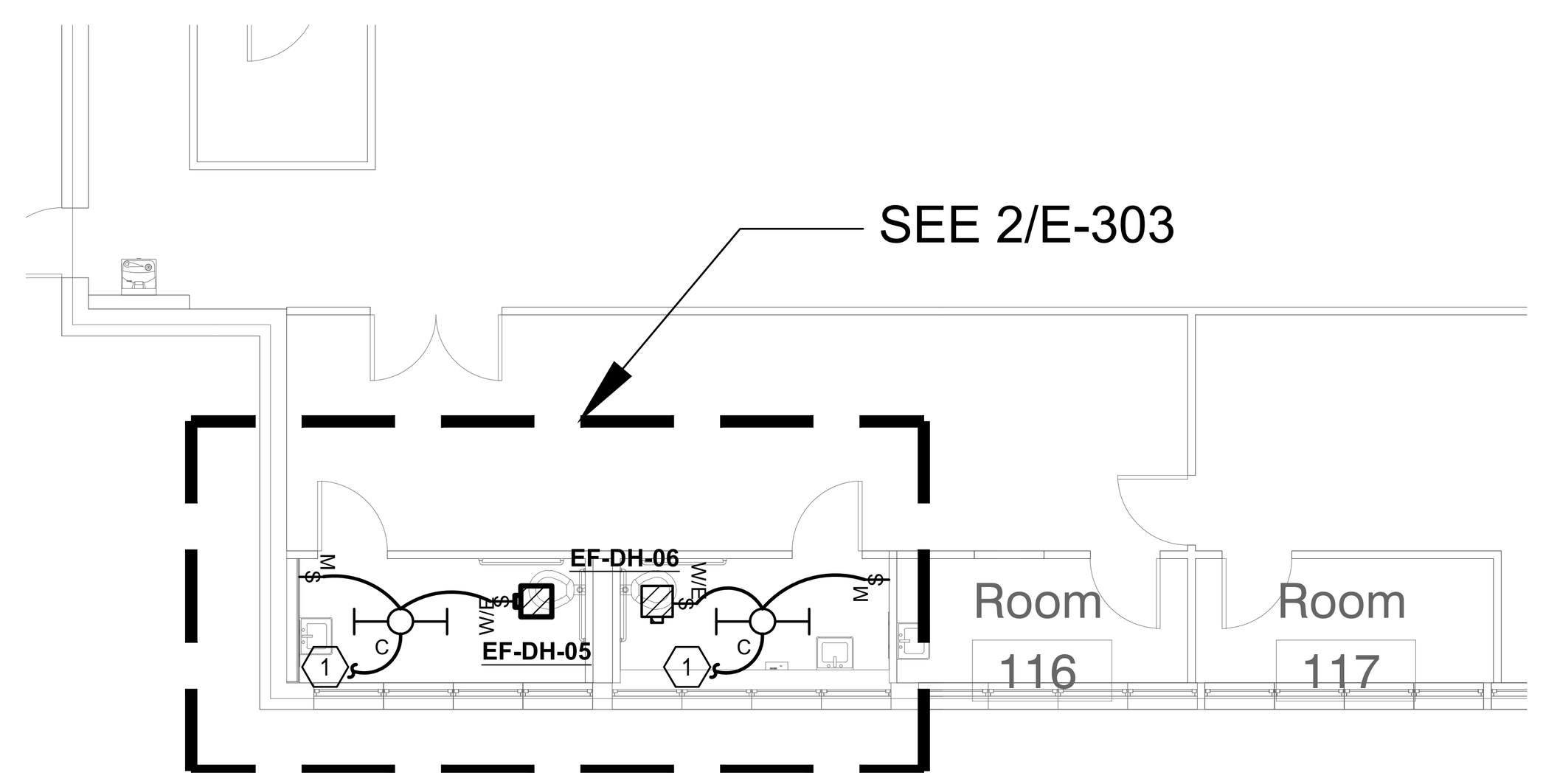
KEYED NOTES

Mark	Description
1	RECONNECT TO EXISTING CIRCUITRY IN THIS AREA.
2	NOT USED.



1 E-303 DREW HUNTER MIDDLE SCHOOL - PARTIAL LIGHTING PLAN
Scale: 1/16" = 1'- 0"



2 E-303 DREW HUNTER MIDDLE SCHOOL - PARTIAL LIGHTING PLAN
Scale: 1/16" = 1'- 0"

305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign

Drew Hunter Middle School: 10 Swoope Rd, Drew, MS 38737

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Drew Hunter Middle School

E-303

OVERALL RENOVATION PLAN

ASI #1 10/18/2022

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00.08 Architectural
A-041a

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

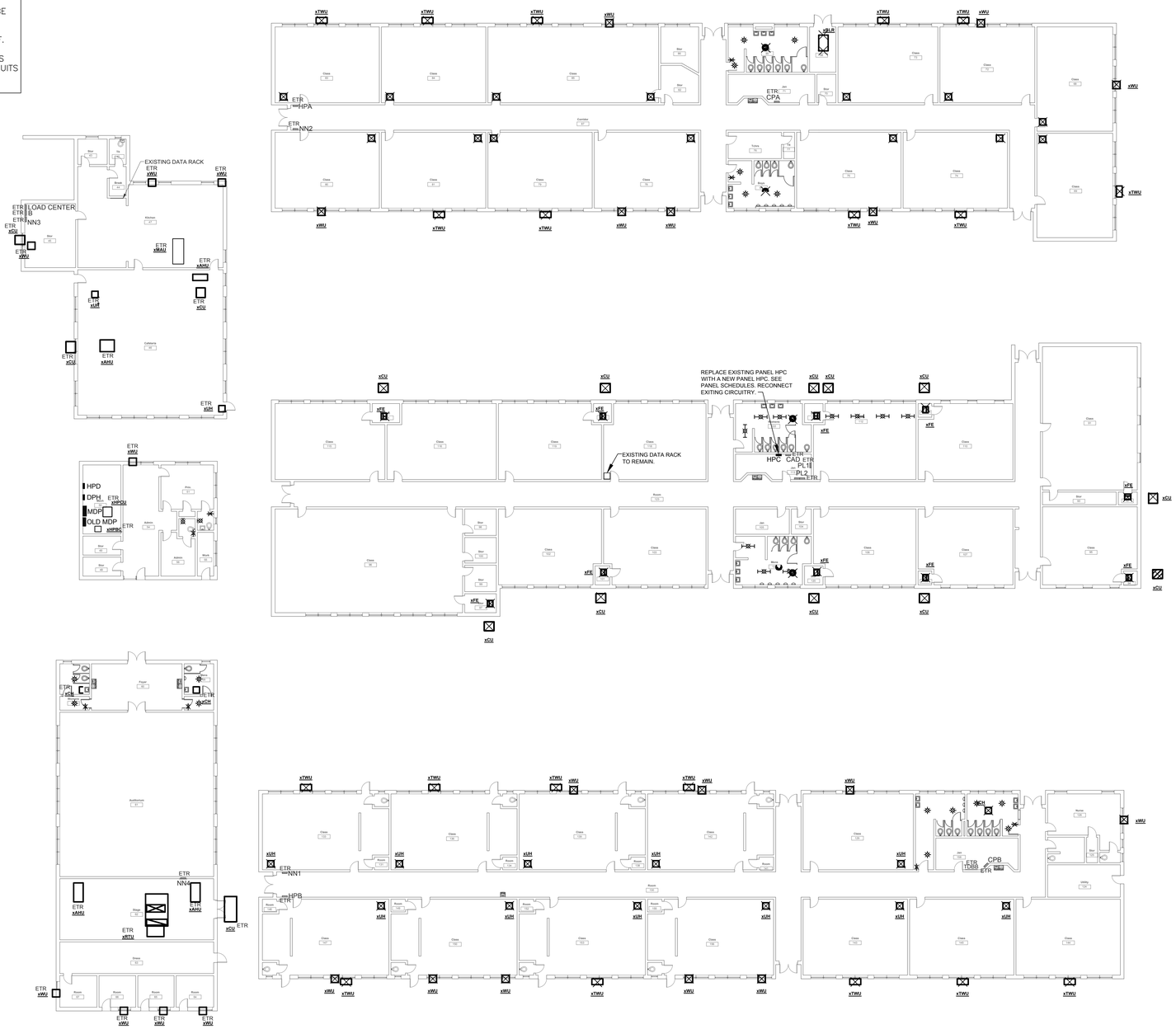
DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. RECONNECT THE DEVICE TO THE EXISTING CIRCUITRY.

MASTER DEMOLITION KEYED NOTES

Mark	Description
1	EXISTING UNIT TO BE REPLACED. REUSE THE EXISTING CIRCUITRY. REPLACE THE EXISTING DISCONNECT WITH A NEW 100/3/3R DISCONNECT. REPLACE THE EXISTING BREAKER WITH A NEW 90/3 BREAKER. REPLACE ALL SEAL TITE.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



1 ED-400 LOCKARD ELEMENTARY SCHOOL - OVERALL DEMOLITION PLAN
Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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CERTIFICATE OF AUTHORIZATION — 2/2/2021 — 16779 — STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Lockard Elementary School: 302 College Ave., Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Lockard Elementary School

ED-400

OVERALL DEMOLITION PLAN

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PANEL		LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	TOP FEED		
LEA		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	225A MAIN BREAKER		
		BUS:	225A	MOUNTING:	SURFACE	PANELBOARD AIC RATING (A):	22,000

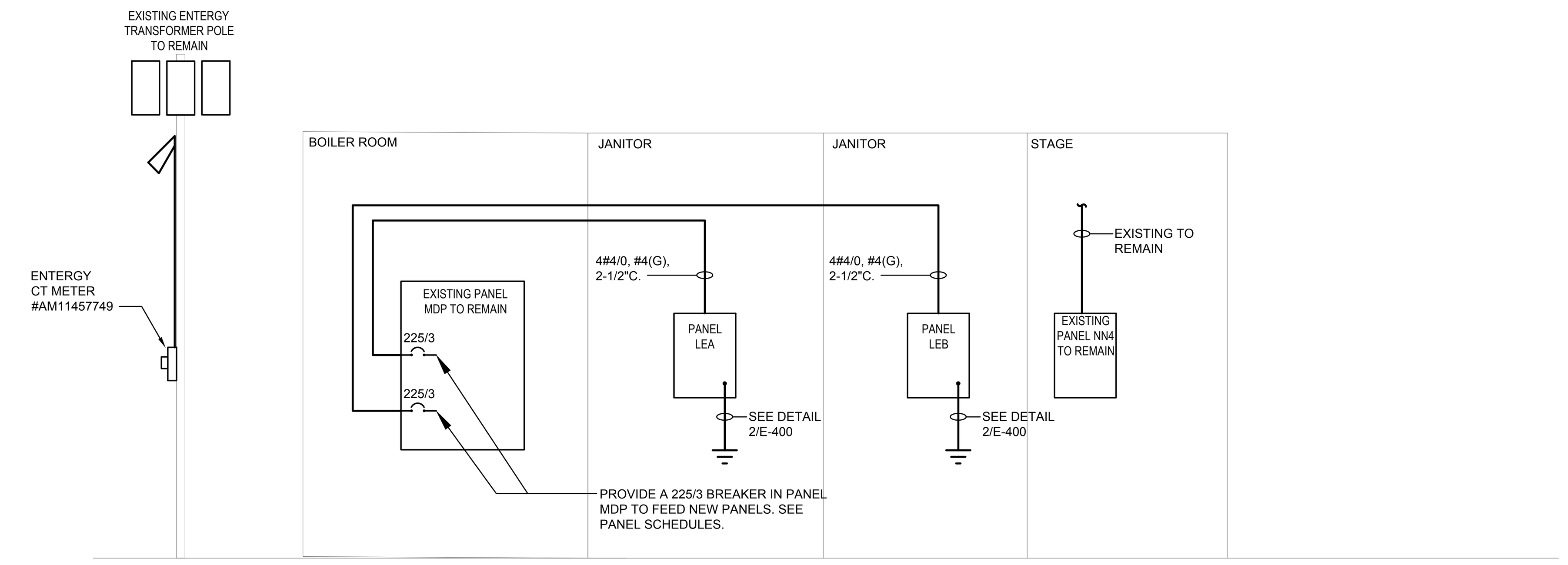
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	2	DCU-LE-03 & DSS-LE-03	2.8	1.7					DCU-LE-55 & DSS-LE-55	30	2	2
3	-	-	-			2.8	1.7			-	-	-	4
5	40	2	DCU-LE-04 & DSS-LE-04					2.8	0.9	DCU-LE-11 & DSS-LE-11	15	2	6
7	-	-	-	2.8	0.9					-	-	-	8
9	40	2	DCU-LE-05 & DSS-LE-05			2.8	2.8			DCU-LE-12 & DSS-LE-12	40	2	10
11	-	-	-					2.8	2.8	-	-	-	12
13	40	2	DCU-LE-06 & DSS-LE-06	2.8	1.7					DCU-LE-54 & DSS-LE-54	30	2	14
15	-	-	-			2.8	1.7			-	-	-	16
17	40	2	DCU-LE-07 & DSS-LE-07					2.8	2.8	DCU-LE-13 & DSS-LE-13	40	2	18
19	-	-	-	2.8	2.8					-	-	-	20
21	15	2	DCU-LE-08 & DSS-LE-08			0.9	2.8			DCU-LE-14 & DSS-LE-14	40	2	22
23	-	-	-					0.9	2.8	-	-	-	24
25	15	2	DCU-LE-09 & DSS-LE-09	0.9	0.0					SPARE	20	1	26
27	-	-	-			0.9	0.0			SPARE	20	1	28
29	15	2	DCU-LE-10 & DSS-LE-10					0.9	0.0	SPARE	20	1	30
31	-	-	-	0.9	0.0					SPARE	20	1	32
33	20*	1	PROVISIONS FOR HAND DRYERS			1.2	0.0			SPARE	20	1	34
35	20*	1	PROVISIONS FOR HAND DRYERS					1.2	0.0	SPARE	20	1	36
37	20*	1	PROVISIONS FOR HAND DRYERS	1.2	0.0					SPARE	20	1	38
39	20*	1	PROVISIONS FOR HAND DRYERS			1.2	0.0			SPARE	20	1	40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
TOTAL				21.4		21.7		20.8					

PANEL		LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	TOP FEED		
HPC		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	MAIN LUGS ONLY		
		BUS:	225A	MOUNTING:	SURFACE	PANELBOARD AIC RATING (A):	22,000

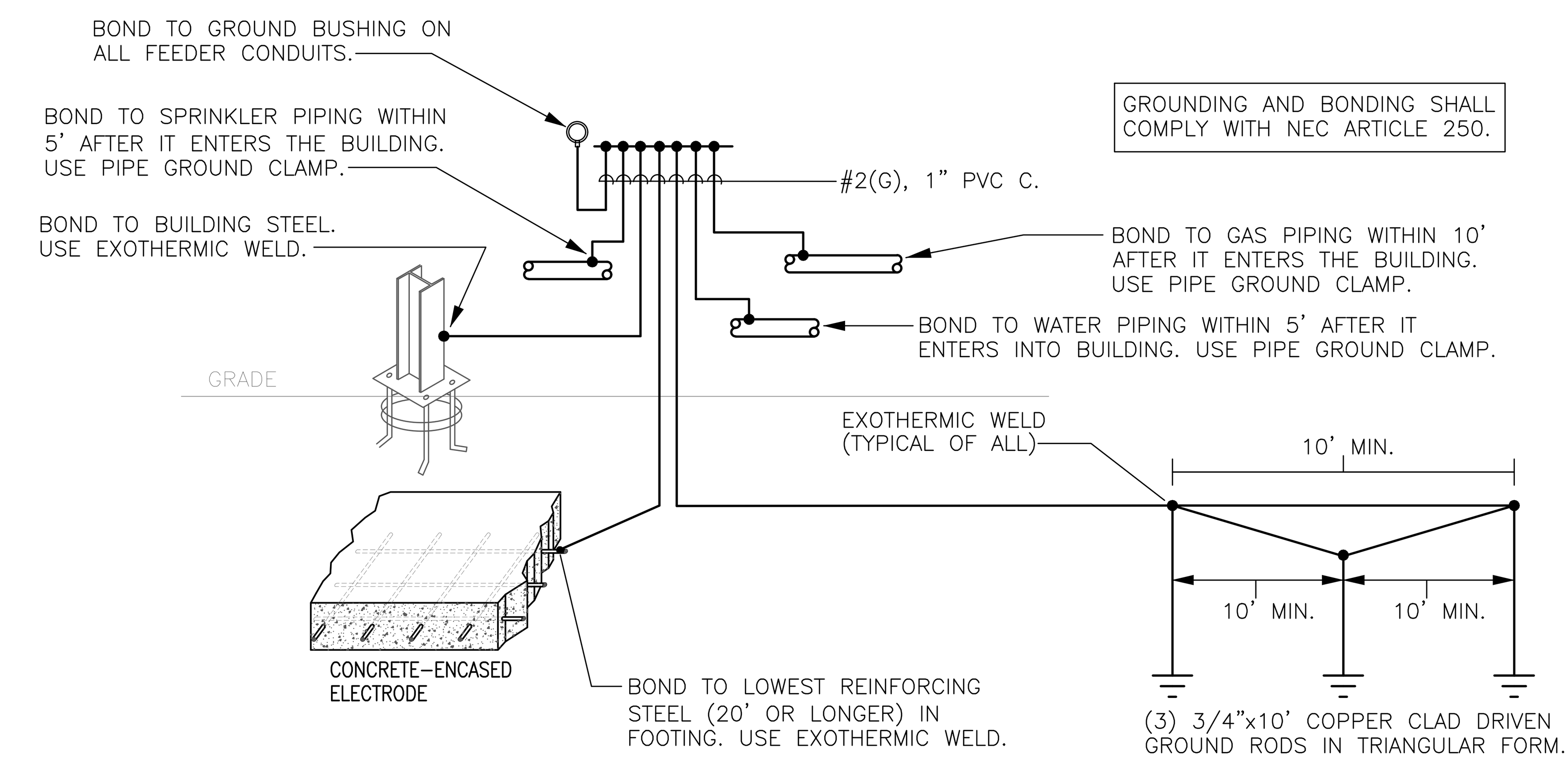
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	2	DCU-LE-17 & DSS-LE-17	2.8	2.8					DCU-LE-32 & DSS-LE-32	40	2	2
3	-	-	-			2.8	2.8			-	-	-	4
5	40	2	DCU-LE-18 & DSS-LE-18					2.8	2.8	DCU-LE-33 & DSS-LE-33	40	2	6
7	-	-	-	2.8	2.8					-	-	-	8
9	15	2	DCU-LE-19 & DSS-LE-19			0.9	1.7			DCU-LE-56 & DSS-LE-56	30	2	10
11	-	-	-					0.9	1.7	-	-	-	12
13	15	2	DCU-LE-20 & DSS-LE-20	0.9	2.8					DCU-LE-34 & DSS-LE-34	40	2	14
15	-	-	-			0.9	2.8			-	-	-	16
17	15	2	DCU-LE-21 & DSS-LE-21					0.9	2.8	DCU-LE-35 & DSS-LE-35	40	2	18
19	-	-	-	0.9	2.8					-	-	-	20
21	40	2	DCU-LE-22 & DSS-LE-22			2.8	0.0			EXISTING LOAD	20	1	22
23	-	-	-					2.8	0.0	EXISTING LOAD	20	1	24
25	40	2	DCU-LE-23 & DSS-LE-23	2.8	0.0					EXISTING LOAD	20	1	26
27	-	-	-			2.8	0.0			EXISTING LOAD	20	1	28
29	30	2	DCU-LE-57 & DSS-LE-57					1.7	0.0	EXISTING LOAD	20	1	30
31	-	-	-	1.7	0.0					EXISTING LOAD	20	1	32
33	15	2	DCU-LE-24 & DSS-LE-24			0.9	1.2			PROVISIONS FOR HAND DRYERS	20*	1	34
35	-	-	-					0.9	1.2	PROVISIONS FOR HAND DRYERS	20*	1	36
37	40	2	DCU-LE-25 & DSS-LE-25	2.8	1.2					PROVISIONS FOR HAND DRYERS	20*	1	38
39	-	-	-			2.8	1.2			PROVISIONS FOR HAND DRYERS	20*	1	40
41	20	1	EXISTING LOAD					0.0	0.5	DRINKING FOUNTAIN	20*	1	42
43	20*	1	DRINKING FOUNTAIN	0.5	0.0					SPARE	20	1	44
45	20	1	SPARE			0.0	0.0			SPARE	20	1	46
47	20	1	SPARE					0.0	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51	20	1	SPARE			0.0	0.0			SPARE	20	1	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				27.8		23.7		19.1		* GFCI BREAKER			

PANEL		LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	TOP FEED		
LEB		VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	225A MAIN BREAKER		
		BUS:	225A	MOUNTING:	SURFACE	PANELBOARD AIC RATING (A):	22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	2	DCU-LE-38 & DSS-LE-38	2.8	2.8					DCU-LE-45 & DSS-LE-45	40	2	2
3	-	-	-			2.8	2.8			-	-	-	4
5	40	2	DCU-LE-39 & DSS-LE-39					2.8	2.8	DCU-LE-46 & DSS-LE-46	40	2	6
7	-	-	-	2.8	2.8					-	-	-	8
9	30	2	DCU-LE-60 & DSS-LE-60			1.7	0.9			DCU-LE-47 & DSS-LE-47	15	2	10
11	-	-	-					1.7	0.9	-	-	-	12
13	15	2	DCU-LE-40 & DSS-LE-40	0.9	0.9					DCU-LE-52 & DSS-LE-52	15	2	14
15	-	-	-			0.9	0.9			-	-	-	16
17	40	2	DCU-LE-41 & DSS-LE-41					2.8	0.9	DCU-LE-51 & DSS-LE-51	15	2	18
19	-	-	-	2.8	0.9					-	-	-	20
21	40	2	DCU-LE-42 & DSS-LE-42			2.8	2.8			DCU-LE-48 & DSS-LE-48	40	2	22
23	-	-	-					2.8	2.8	-	-	-	24
25	30	2	DCU-LE-61 & DSS-LE-61	1.7	1.2					PROVISIONS FOR HAND DRYER	20*	1	26
27	-	-	-			1.7	1.2			PROVISIONS FOR HAND DRYER	20*	1	28
29	40	2	DCU-LE-43 & DSS-LE-43					2.8	1.2	PROVISIONS FOR HAND DRYER	20*	1	30
31	-	-	-	2.8	1.2					PROVISIONS FOR HAND DRYER	20*	1	32
33	40	2	DCU-LE-44 & DSS-LE-44			2.8	0.0			SPARE	20	1	34
35	-	-	-					2.8	0.0	SPARE	20	1	36
37	20	1	SPARE	0.0	0.0					SPARE	20	1	38
39	20	1	SPARE			0.0	0.0			SPARE	20	1	40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
TOTAL				23.7		21.4		24.5		* GFCI BREAKER			



1 / E-400 ONE LINE DIAGRAM - LOCKARD ELEMENTARY
Scale: NONE



2 / E-400 GROUNDING DETAIL - RULEVILLE ELEMENTARY
Scale: NONE

THE POWER SOURCE
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Lockard Elementary School: 302 College Ave., Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Lockard Elementary School

E-400

OVERALL RENOVATION PLAN

ASI #1 10/18/2022

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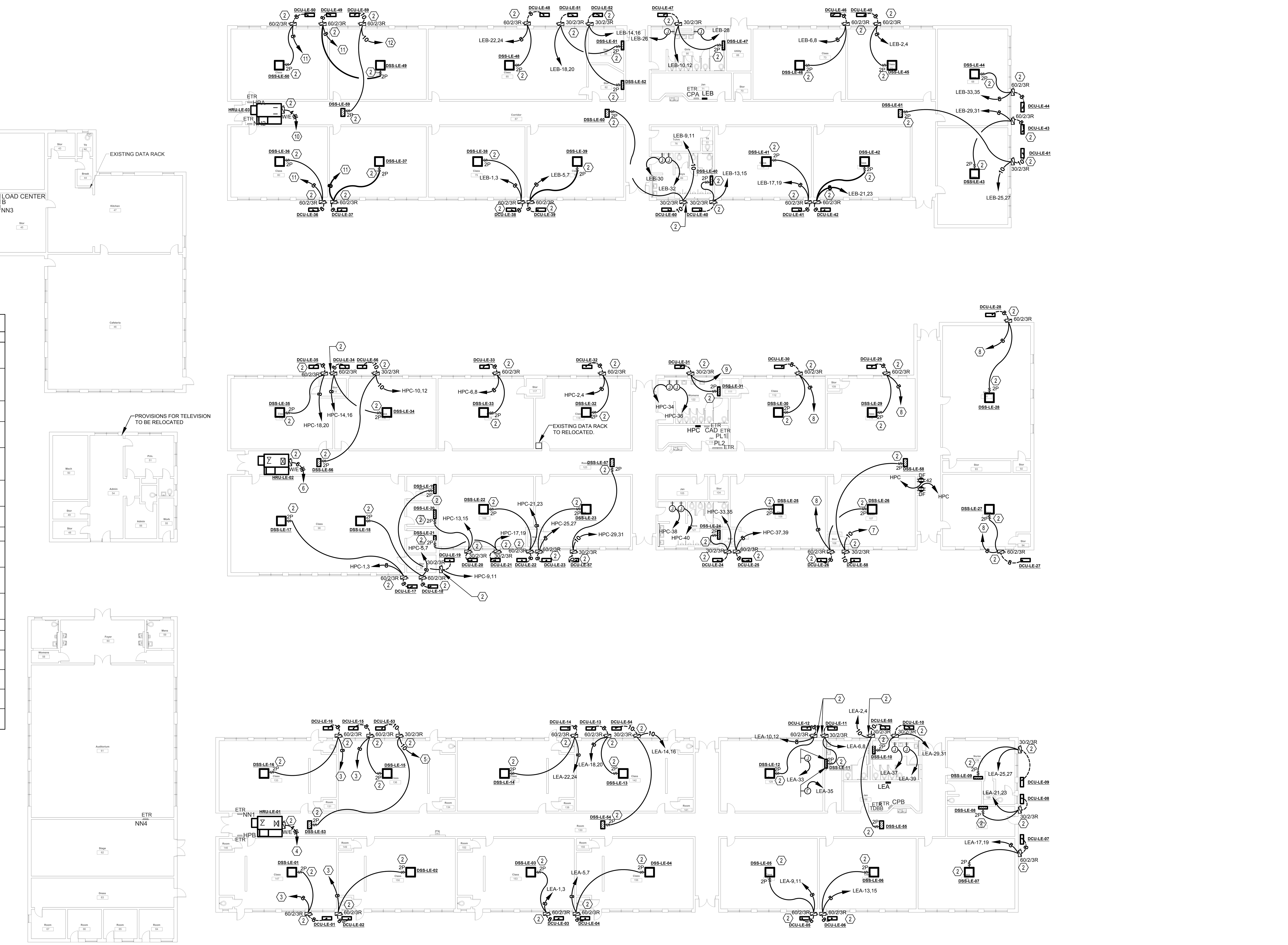
00.08 Architectural
A-041a



MASTER RENOVATION KEYED NOTES

Mark	Description
1	NOT USED.
2	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 3/E-100.
3	PROVIDE A NEW 40/2 BREAKER IN EXISTING PANEL HPB IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
4	PROVIDE A NEW 80/3 BREAKER IN EXISTING PANEL HPB IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
5	PROVIDE A NEW 30/2 BREAKER IN EXISTING PANEL HPB IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
6	PROVIDE A NEW 60/3 BREAKER IN EXISTING PANEL PL2.
7	PROVIDE A NEW 30/2 BREAKER IN EXISTING PANEL PL2 IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
8	PROVIDE A NEW 40/2 BREAKER IN EXISTING PANEL PL2 IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
9	PROVIDE A NEW 15/2 BREAKER IN EXISTING PANEL PL2 IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
10	PROVIDE A NEW 70/3 BREAKER IN EXISTING PANEL HPA IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
11	PROVIDE A NEW 40/2 BREAKER IN EXISTING PANEL HPA IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
12	PROVIDE A NEW 30/2 BREAKER IN EXISTING PANEL HPA IN SPACE MADE AVAILABLE THROUGH DEMOLITION.
13	NOT USED.
14	NOT USED.
15	NOT USED.
16	NOT USED.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

1 E-401 LOCKARD ELEMENTARY SCHOOL - OVERALL MECHANICAL PLAN
Scale: 1/16" = 1'- 0"

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Lockard Elementary School: 302 College Ave., Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

ASI #1 10/18/2022

Lockard Elementary School
E-401
OVERALL RENOVATION PLAN

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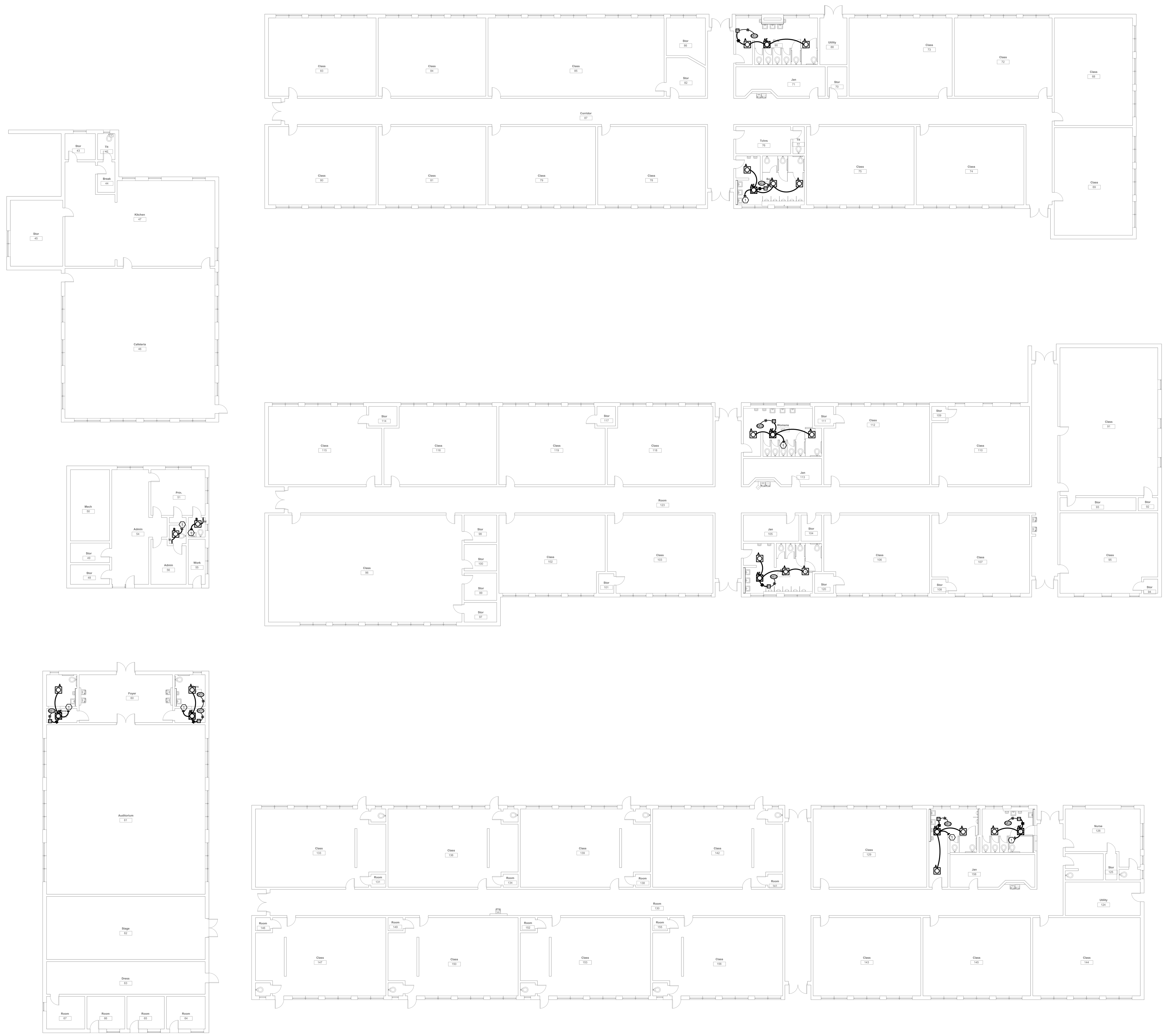
00.08 Architectural
A-041a



1
E-402

LOCKARD ELEMENTARY SCHOOL - OVERALL LIGHITNG PLAN
Scale: 1/16" = 1'-0"

ASI #1 10/18/2022

12/16/2021 8:32:25 AM
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THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign

Lockard Elementary School: 302 College Ave., Indianola, MS 38751

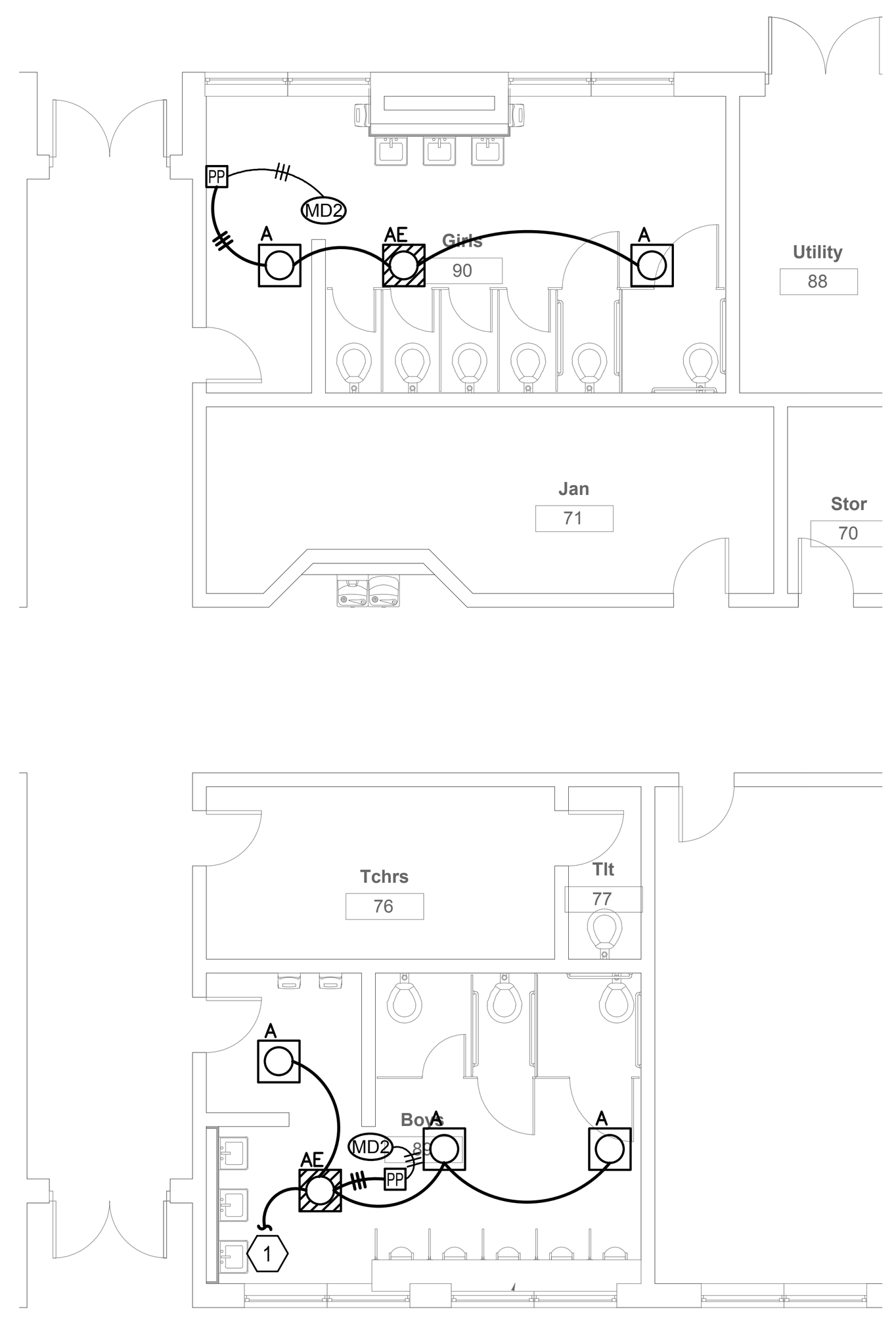
Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

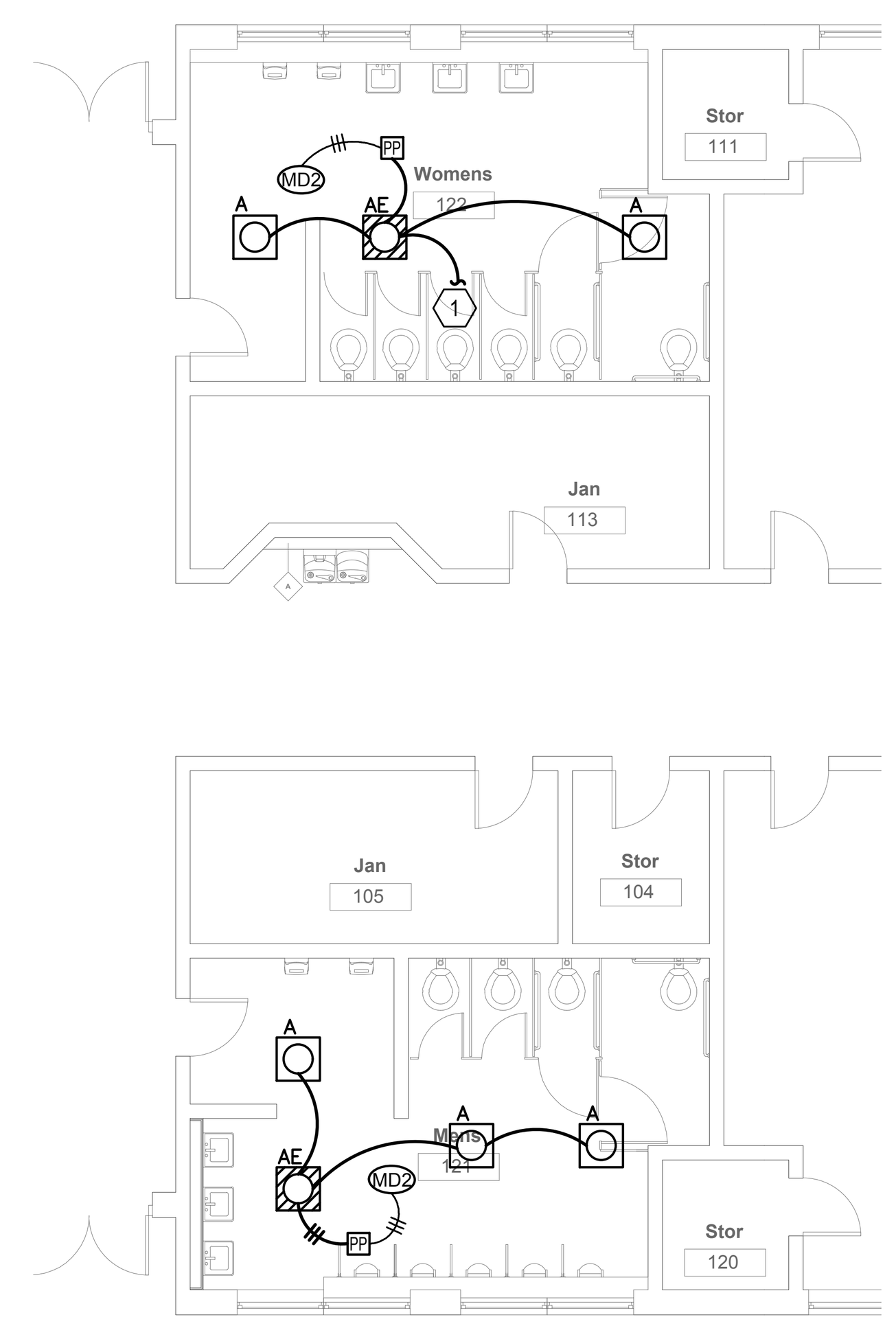
Lockard Elementary School

E-402

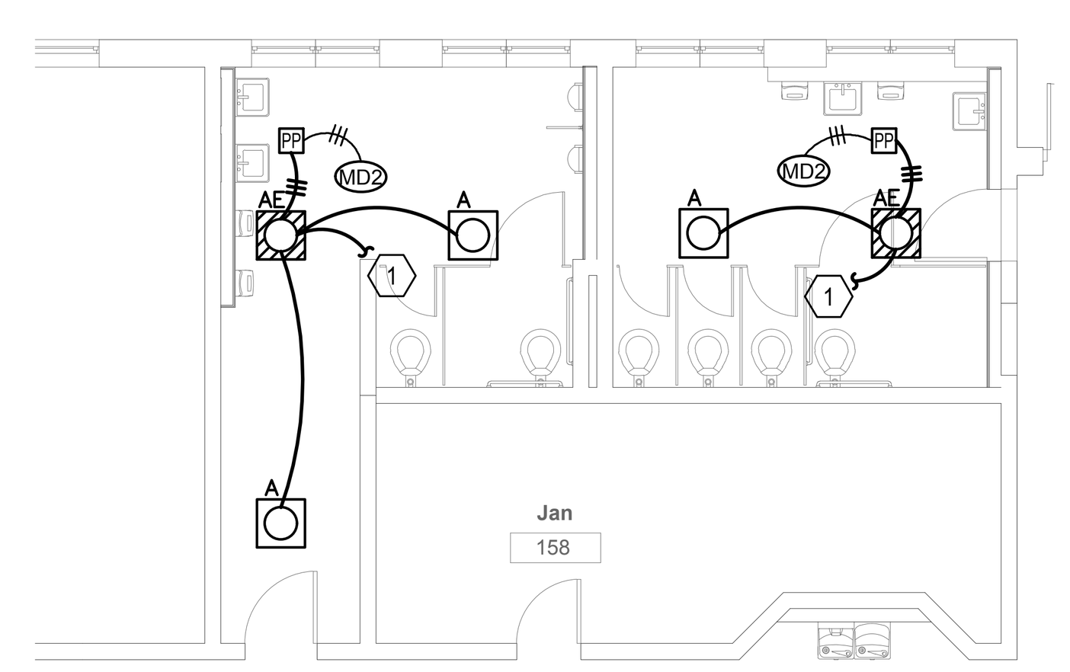
OVERALL RENOVATION PLAN



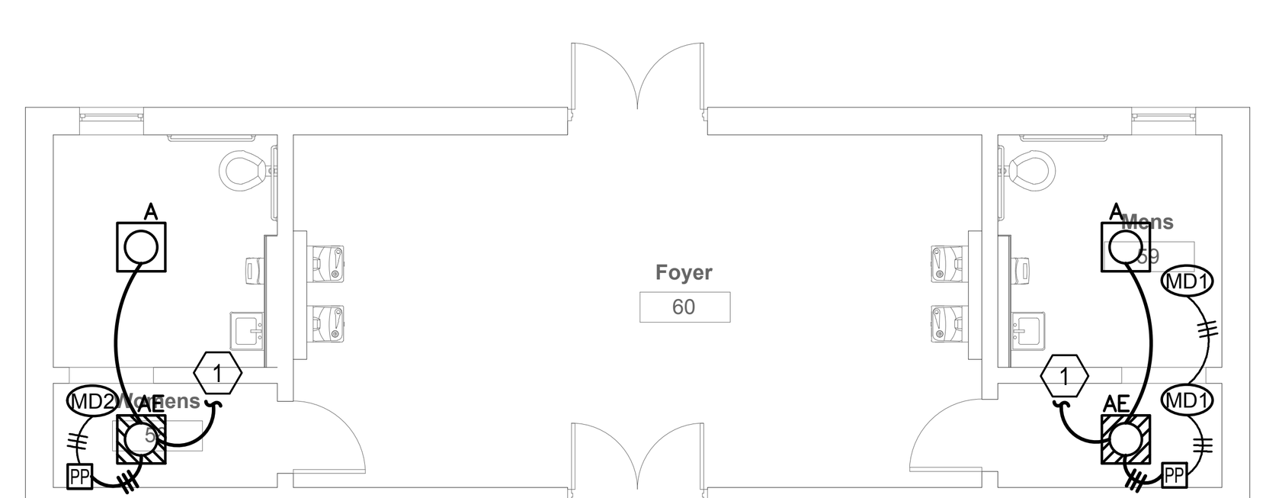
1 E-403 LOCKARD ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN - NORTH WING
Scale: 1/8" = 1'- 0"



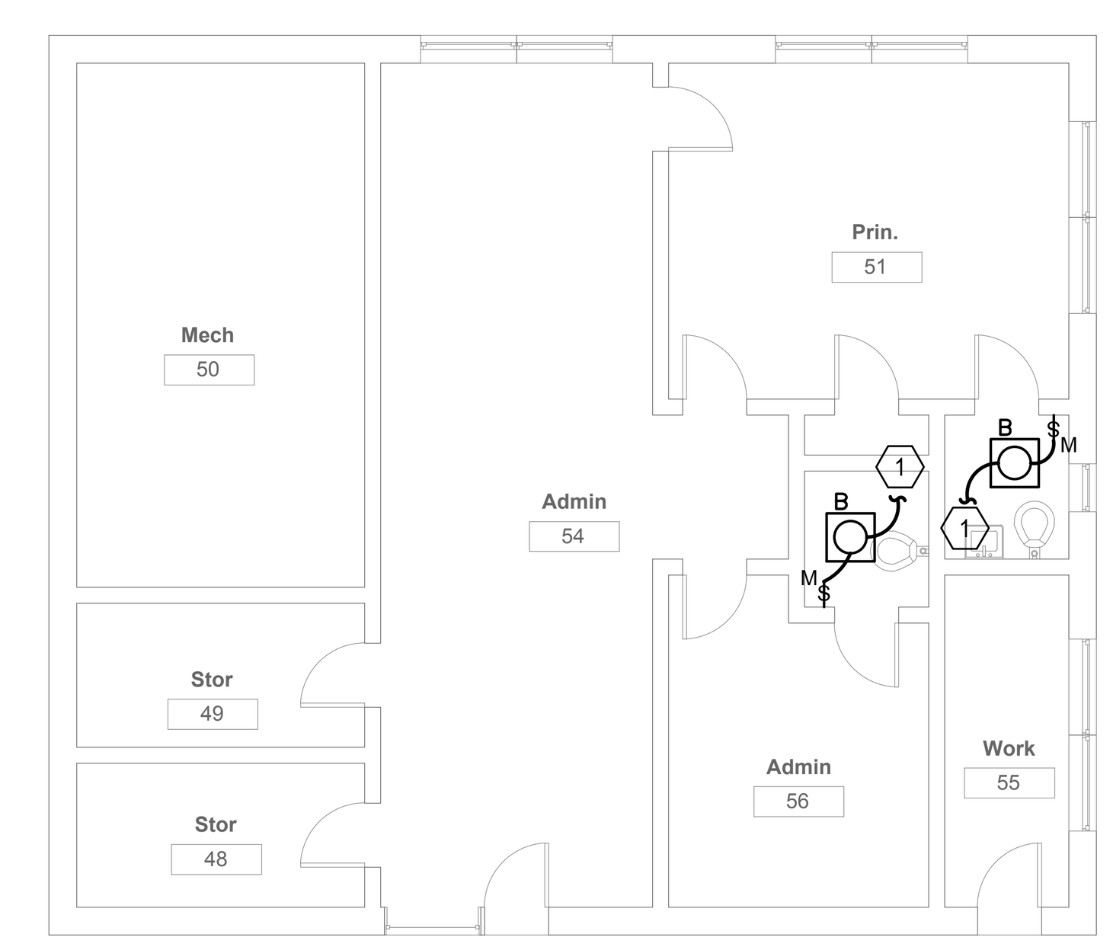
2 E-403 LOCKARD ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN - MIDDLE WING
Scale: 1/8" = 1'- 0"



3 E-403 LOCKARD ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN - SOUTH WING
Scale: 1/8" = 1'- 0"



4 E-403 LOCKARD ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN - BUILDING 3
Scale: 1/8" = 1'- 0"



5 E-403 LOCKARD ELEMENTARY SCHOOL - PARTIAL LIGHTING PLAN - BUILDING 2
Scale: 1/8" = 1'- 0"

KEYED NOTES

Mark	Description
1	RECONNECT TO EXISTING CIRCUITRY IN THIS AREA.

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Lockard Elementary School: 302 College Ave., Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Lockard Elementary School
E-403
OVERALL RENOVATION PLAN

00.08 Architectural
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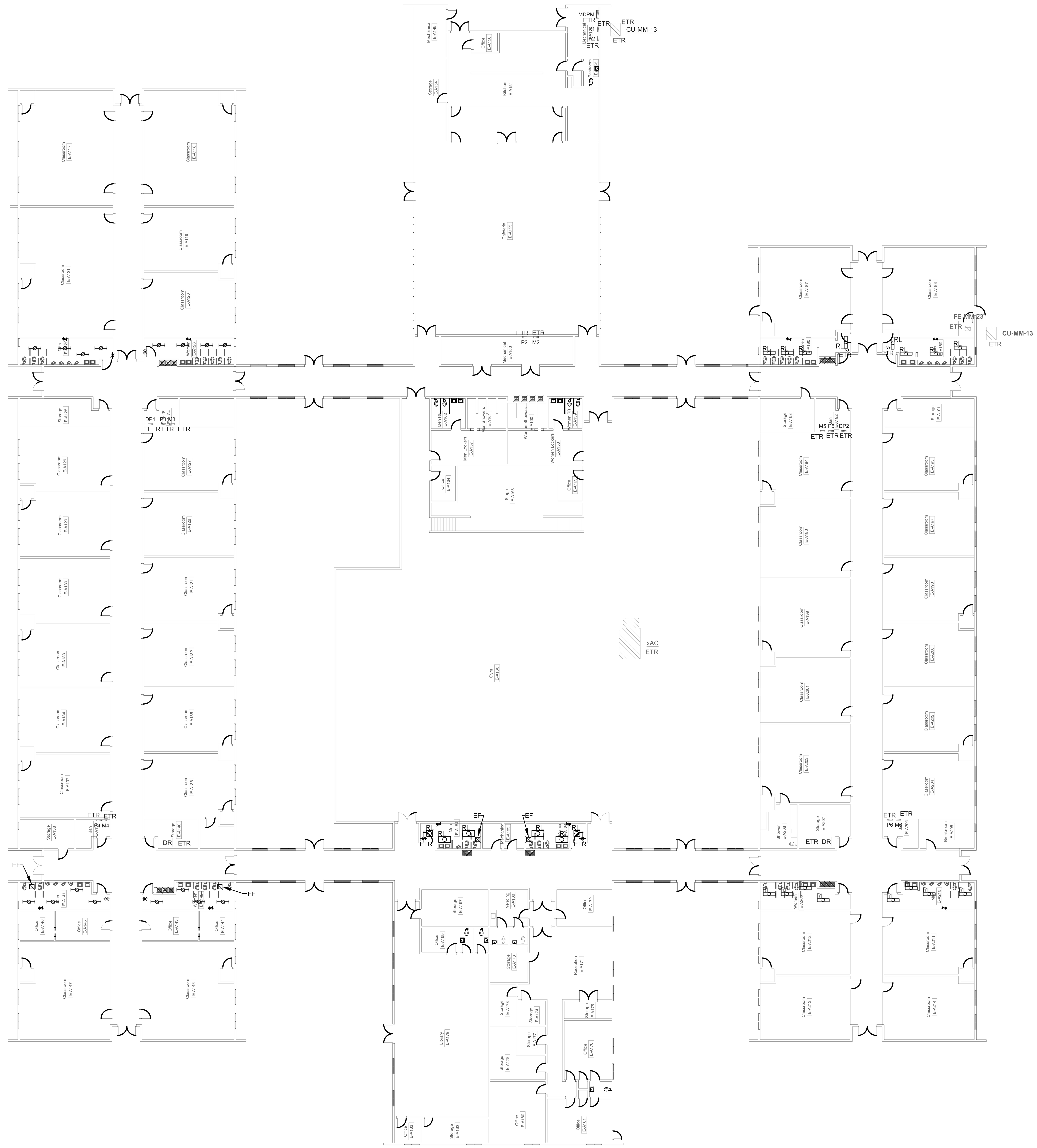
DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. RECONNECT THE DEVICE TO THE EXISTING CIRCUITRY.



MERRITT MIDDLE SCHOOL - OVERALL DEMOLITION PLAN

1 / ED-500

Scale: 1/16" = 1'- 0"

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

CHRISTOPHER L. GREEN
PROFESSIONAL ENGINEER
2/2/2022
16776
STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign

Merritt Middle School: 705 Kinlock Rd, Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Merritt Middle School

ED-500

ELECTRICAL DEMOLITION PLAN

00.08 Architectural
A-041a

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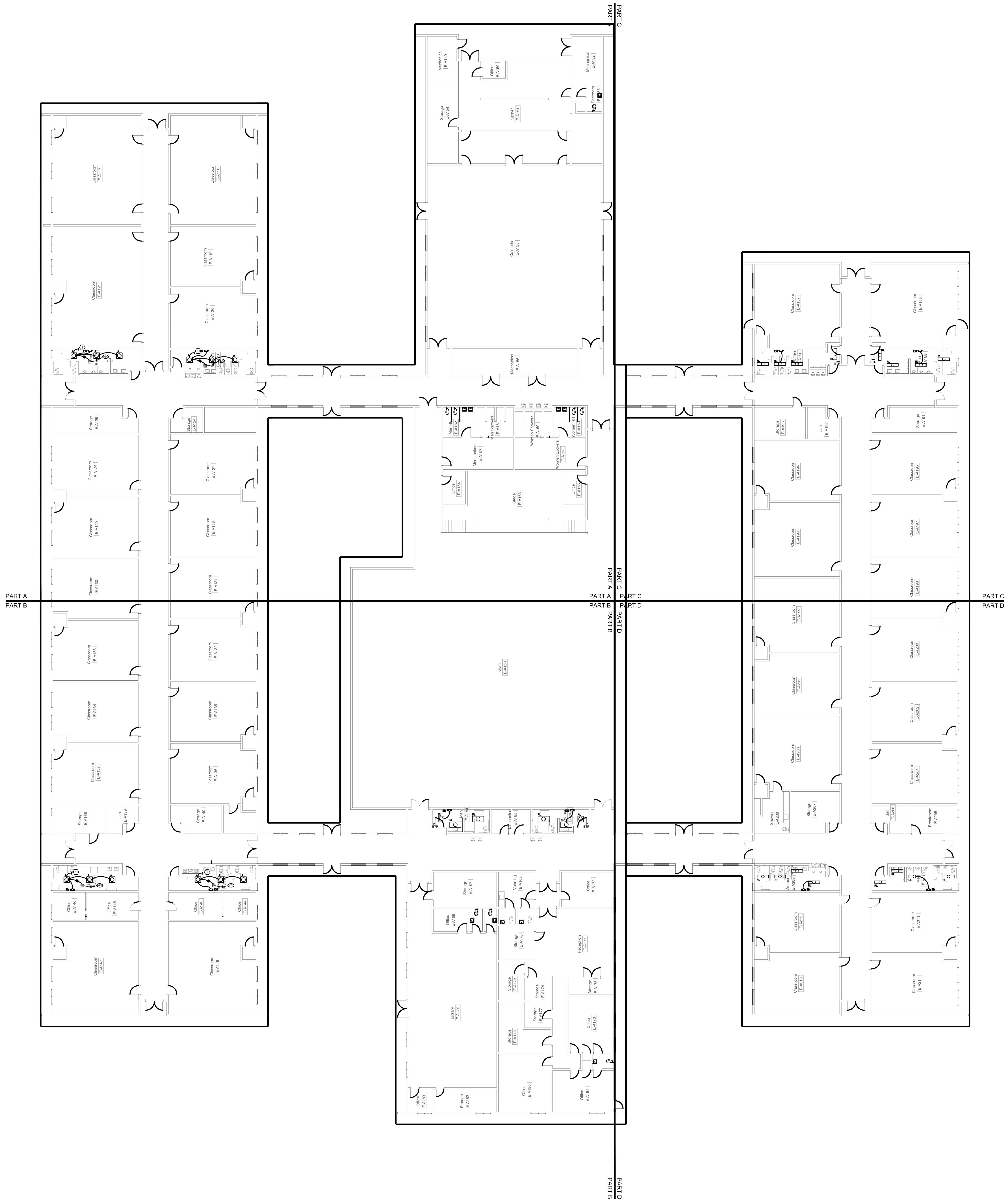

1
E-501
MERRITT MIDDLE SCHOOL - OVERALL LIGHTING PLAN
Scale: 1/16" = 1'-0"

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Merritt Middle School: 705 Kinlock Rd, Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

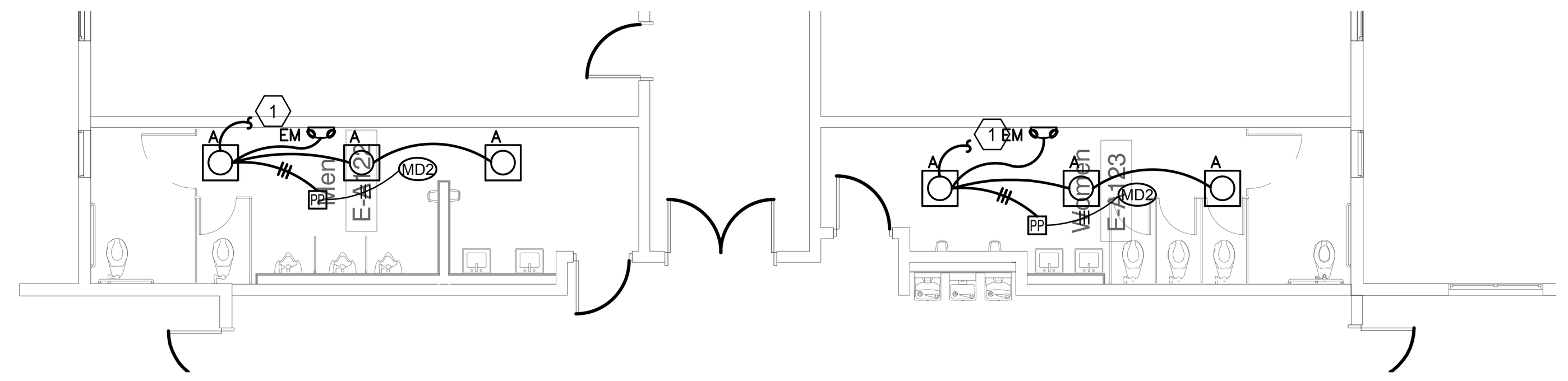
ASI #1 10/18/2022

Merritt Middle School
E-501
OVERALL LIGHTING PLAN

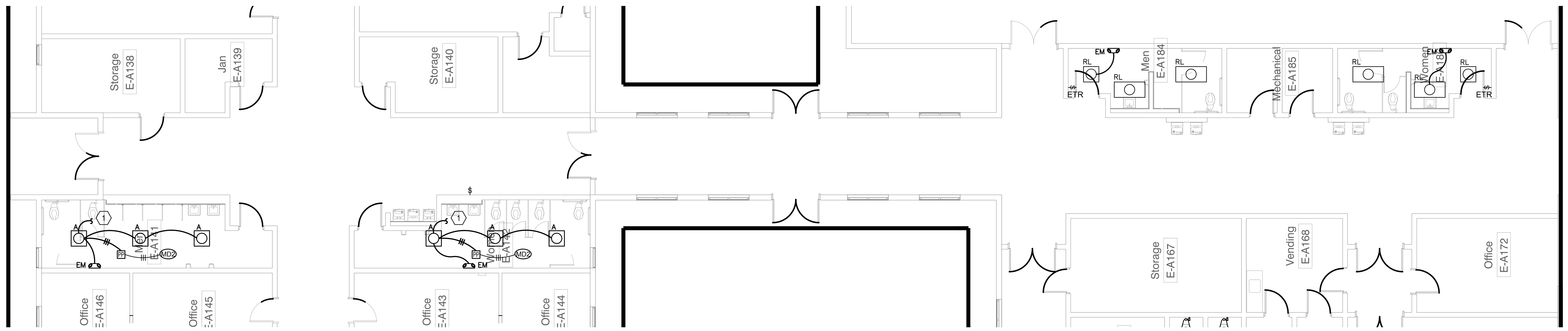
00.08 Architectural
A-041a

KEYED NOTES

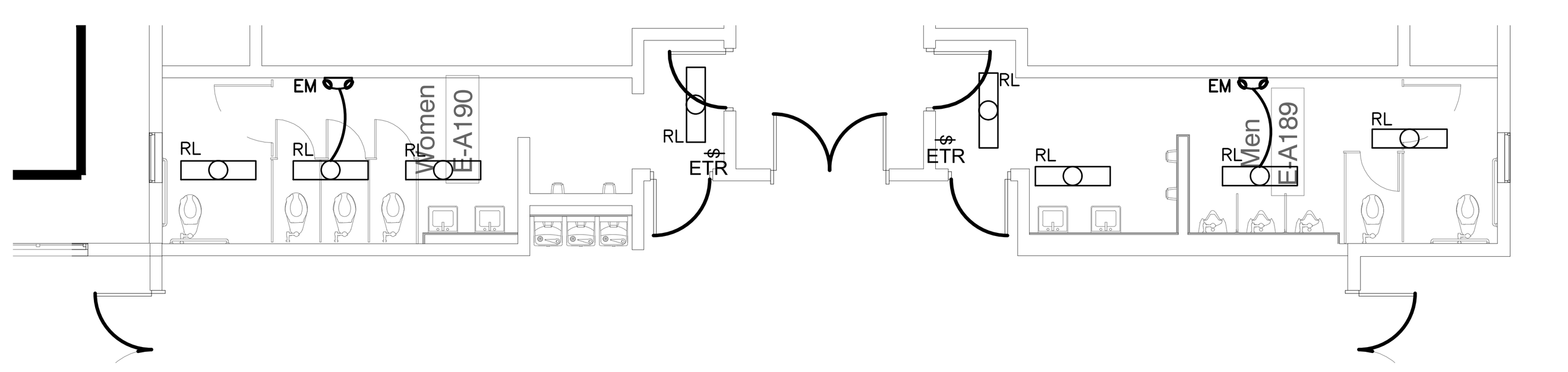
Mark	Description
1	RECONNECT TO EXISTING CIRCUITRY IN THIS AREA.



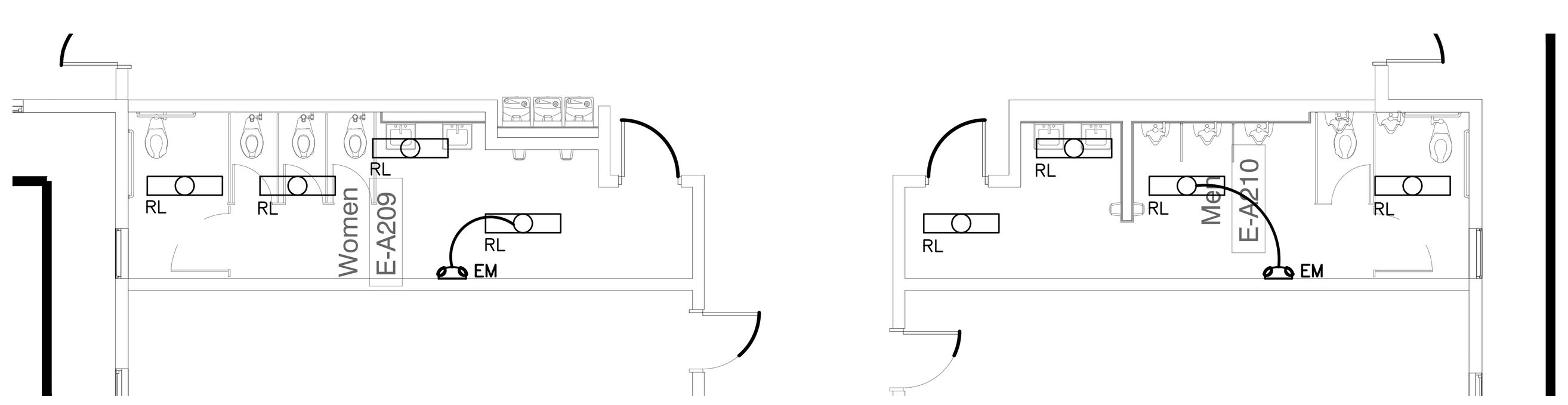
1 E-502 MERRITT MIDDLE SCHOOL - PARTIAL LIGHTING PLAN - PART A
Scale: 1/8" = 1'- 0"



1 E-502 MERRITT MIDDLE SCHOOL - PARTIAL LIGHTING PLAN - PART B
Scale: 1/8" = 1'- 0"



1 E-502 MERRITT MIDDLE SCHOOL - PARTIAL LIGHTING PLAN - PART C
Scale: 1/8" = 1'- 0"



1 E-502 MERRITT MIDDLE SCHOOL - PARTIAL LIGHTING PLAN - PART D
Scale: 1/8" = 1'- 0"

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THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Merritt Middle School: 705 Kinlock Rd, Indianola, MS 38751

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Merritt Middle School

E-502

PARTIAL LIGHTING PLAN - PART A

ASI #1 10/18/2022

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
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3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. REMOVE EXISTING LIGHT FIXTURES FROM THE EXISTING CEILING THAT IS BEING REPLACED AND REINSTALL THE EXISTING LIGHT FIXTURE IN THE NEW CEILING.

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
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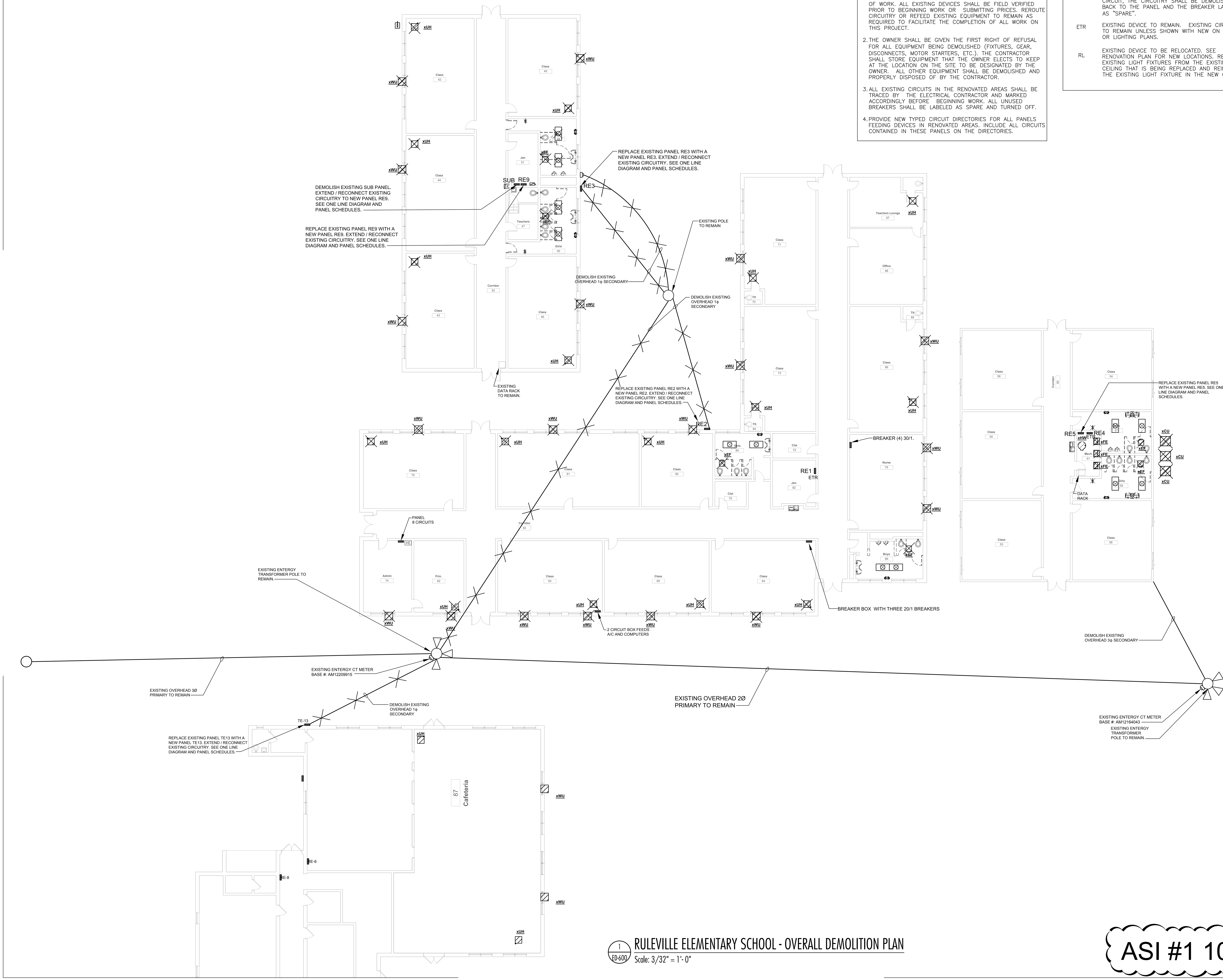

1 ED-600 RULEVILLE ELEMENTARY SCHOOL - OVERALL DEMOLITION PLAN
Scale: 3/32" = 1'- 0"

ASI #1 10/18/2022

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411
201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432
161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409
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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Ruleville Elementary School: 410 L F Packer Dr. Ruleville, MS 38771

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Ruleville Elementary School

ED-600

OVERALL DEMOLITION PLAN

00.08 Architectural
A-041a

PANEL **RE2** — LOCATION: **EXTERIOR OF BUILDING** — VOLT: **240Δ/120V, 3Ø, 4W** — BUS: **400A**
LUG LOCATION: **TOP FEED** — MAIN BUS: **400A MAIN BREAKER** — MOUNTING: **SURFACE**
UL LISTED FOR SERVICE ENTRANCE — **NEMA 3R ENCLOSURE** — PANELBOARD AIC RATING (A): **42,000**

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	2	DCU-RE-08 & DSS-RE-08	3.3	1.0					DCU-RE-12 & DSS-RE-12	15	2	2
3	-	-	-			3.3	1.0			-	-	-	4
5	20	2	EXISTING LOAD					0.0	0.0	SPARE	20	1	6
7	-	-	-	0.0	0.0					SPARE	20	1	8
9	30	2	DCU-RE-10 & DSS-RE-10			2.2	3.3			DCU-RE-14 & DSS-RE-14	40	2	10
11	-	-	-					2.2	3.3	-	-	-	12
13	15	2	DCU-RE-11 & DSS-RE-11	1.0	4.5					HRU-RE-02	50	3	14
15	-	-	-			1.0	4.5			-	-	-	16
17	20	1	EXISTING LOAD					0.0	4.5	-	-	-	18
19	40	2	DCU-RE-09 & DSS-RE-09	3.3	3.3					DCU-RE-13 & DSS-RE-13	40	2	20
21	-	-	-			3.3	3.3			-	-	-	22
23	100	2	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	24
25	-	-	-	0.0	0.0					EXISTING LOAD	20	1	26
27			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			28
29	100	2	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	30
31	-	-	-	0.0	0.0					EXISTING LOAD	20	1	32
33			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			34
35	30	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	60	2	36
37	30	1	EXISTING LOAD	0.0	0.0					-	-	-	38
39			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			40
41	150	2	EXISTING LOAD					0.0	0.0	FULL WIDTH BREAKER	-	-	42
43	-	-	-	0.0	0.0					-	-	-	44
45			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			46
47	20	1	EXISTING LOAD					0.0	0.0	SPARE	20	1	48
49	225	3	PANEL MA	23.5	0.0					FULL WIDTH BREAKER	-	-	50
51	-	-	-			19.3	0.0			-	-	-	52
53	-	-	-					19.2	0.0	-	-	-	54
TOTAL				39.8		41.2		29.3					

PANEL **RE3** — LOCATION: **EXTERIOR OF BUILDING** — VOLT: **240Δ/120V, 3Ø, 4W** — BUS: **400A**
LUG LOCATION: **TOP FEED** — MAIN BUS: **400A MAIN BREAKER** — MOUNTING: **SURFACE**
UL LISTED FOR SERVICE ENTRANCE — **NEMA 3R ENCLOSURE** — PANELBOARD AIC RATING (A): **42,000**

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	3	HRU-01	3.4	3.3					DCU-RE-01 & DSS-RE-01	40	2	2
3	-	-	-			3.4	3.3			-	-	-	4
5	-	-	-					3.4	1.0	DCU-RE-02 & DSS-RE-02	15	2	6
7	40	2	DCU-RE-04 & DSS-RE-04	3.3	1.0					-	-	-	8
9	-	-	-			3.3	1.0			DCU-RE-03 & DSS-RE-03	15	2	10
11	20	1	SPARE					0.0	1.0	-	-	-	12
13	40	3	SPARE	0.0	0.0					FULL WIDTH BREAKER	-	-	14
15	-	-	-			0.0	0.0			-	-	-	16
17	-	-	-					0.0	0.0	-	-	-	18
19	20	1	SPARE	0.0	0.0					SPARE	20	1	20
21			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			22
23	20	2	EXISTING LOAD					0.0	2.0	DCU-RE-35 & DSS-RE-35	30	2	24
25	-	-	-	0.0	2.0					-	-	-	26
27			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			28
29	100	2	EXITING LOAD					0.0	0.0	EXISTING LOAD	60	2	30
31	-	-	-	0.0	0.0					-	-	-	32
33			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			34
35	125	2	EXISTING LOAD					0.0	0.0	FULL WIDTH BREAKER	-	-	36
37	-	-	-	0.0	0.0					-	-	-	38
39			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			40
41	125	2	EXISTING LOAD					0.0	0.0	FULL WIDTH BREAKER	-	-	42
43	-	-	-	0.0	0.0					-	-	-	44
45			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			46
47	225	2	EXISTING PANEL RE9					12.1	0.0	FULL WIDTH BREAKER	-	-	48
49	-	-	-	12.1	0.0					-	-	-	50
51			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			52
53	20	1	EXISTING LOAD					0.0	0.0	SPARE	20	1	54
TOTAL				25.1		11.0		19.5					

PANEL **RE5** — LOCATION: **EXTERIOR OF BUILDING** — VOLT: **240Δ/120V, 3Ø, 4W** — BUS: **400A**
LUG LOCATION: **TOP FEED** — MAIN BUS: **400A MAIN BREAKER** — MOUNTING: **SURFACE**
NEMA 3R ENCLOSURE — PANELBOARD AIC RATING (A): **42,000**

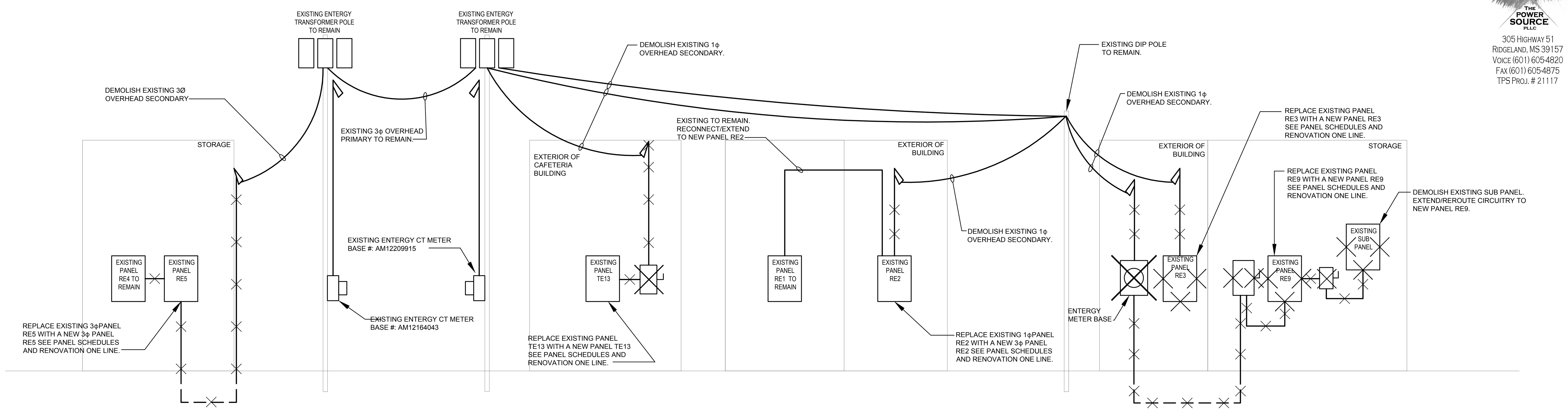
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	40	3	OAU-CU-RE-01	3.6	3.3					DCU-RE-25 & DSS-RE-25	40	2	2
3	-	-	-			3.6	3.3			-	-	-	4
5	-	-	-					3.6	3.3	DCU-RE-26 & DSS-RE-26	40	2	6
7	30	2	DCU-RE-36 & DSS-RE-36	2.0	3.3					-	-	-	8
9	-	-	-			2.0	3.3			DCU-RE-27 & DSS-RE-27	40	2	10
11	15	2	DCU-RE-30 & DSS-RE-30					1.0	3.3	-	-	-	12
13	-	-	-	1.0	3.3					DCU-RE-28 & DSS-RE-28	40	2	14
15	40	2	DCU-RE-31 & DSS-RE-31			3.3	3.3			-	-	-	16
17	-	-	-					3.3	1.0	DCU-RE-29 & DSS-RE-29	15	2	18
19	15	2	OAU-RE-01	0.8	1.0					-	-	-	20
21	-	-	-			0.8	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			22
23	20	1	SPARE					0.0	0.0	SPARE	20	1	24
25	40	3	EXISTING LOAD	0.0	0.0					EXISTING LOAD	40	3	26
27	-	-	-			0.0	0.0			-	-	-	28
29	-	-	-					0.0	0.0	-	-	-	30
31	20	1	SPARE	0.0	0.0					SPARE	20	1	32
33			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			34
35	225	2	EXISTING PANEL RE4					0.0	0.0	FULL WIDTH BREAKER	20	1	36
37	-	-	-	0.0	0.0					-	20	1	38
39			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			40
41	20	1	SPARE					0.0	1.2	PROVISIONS FOR HAND DRYER	20*	1	42
43	40	3	EXISTING LOAD	0.0	1.2					PROVISIONS FOR HAND DRYER	20*	1	44
45	-	-	-			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			46
47	-	-	-					0.0	0.0	PROVISIONS FOR HAND DRYER	20*	1	48
49	20	1	SPARE	0.0	0.0					PROVISIONS FOR HAND DRYER	20*	1	50
51			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			52
53	20	1	SPARE					0.0	0.5	REC. - (EXTERIOR)	20	1	54
TOTAL				19.4		19.5		17.1		* GFCI BREAKER			

PANEL **MA** — LOCATION: **EXTERIOR OF BUILDING** — VOLT: **240Δ/120V, 3Ø, 4W** — BUS: **225A**
LUG LOCATION: **TOP FEED** — MAIN BUS: **MAIN LUGS ONLY** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **22,000**

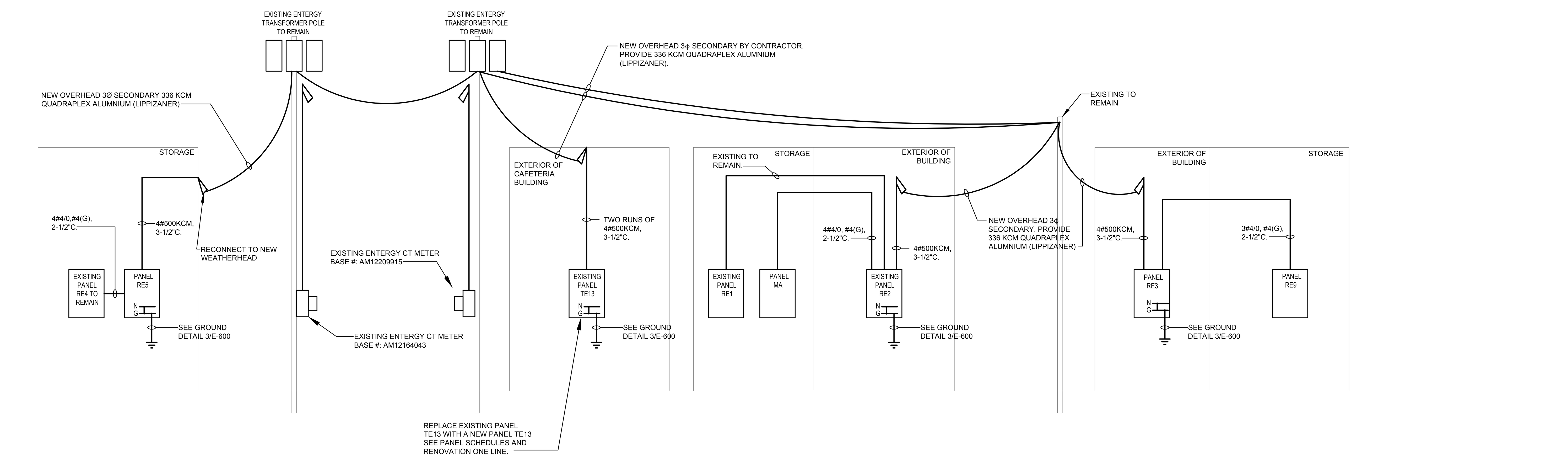
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A		B		C		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	30	2	DCU-RE-15 & DSS-RE-15	2.2	2.0					DCU-RE-33 & DSS-RE-33	30	2	2
3	-	-	-			2.2	2.0			-	-	-	4
5	30	2	DCU-RE-16 & DSS-RE-16					2.0	3.3	DCU-RE-20 & DSS-RE-20	40	2	6
7	-	-	-	2.0	3.3					-	-	-	8
9	30	2	DCU-RE-34 & DSS-RE-34			2.2	3.3			DCU-RE-21 & DSS-RE-21	40	2	10
11	-	-	-					2.2	3.3	-	-	-	12
13	40	2	DCU-RE-17 & DSS-RE-17	3.3	3.3					DCU-RE-22 & DSS-RE-22	40	2	14
15	-	-	-			3.3	3.3			-	-	-	16
17	40	2	DCU-RE-18 & DSS-RE-18					3.3	2.0	DCU-RE-32 & DSS-RE-32	30	2	18
19	-	-	-	3.3	2.0					-	-	-	20
21	15	2	DCU-RE-19 & DSS-RE-19			1.0	1.0			DCU-RE-23 & DSS-RE-23	15	2	22
23	-	-	-					1.0	1.0	-	-	-	24
25	20	1	SPARE	0.0	1.0					DCU-RE-24 & DSS-RE-24	15	2	26
27			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	1.0			-	-	-	28
29	20	1	SPARE					0.0	1.2	PROVISIONS FOR HAND DRYER	20*	1	30
31	20	1	SPARE	0.0	1.2					PROVISIONS FOR HAND DRYER	20*	1	32
33			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			34
35	20	1	SPARE					0.0	0.0	SPARE	20	1	36
37	20	1	SPARE	0.0	0.0					SPARE	20	1	38
39			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			40
41	20	1	SPARE					0.0	0.0	SPARE	20	1	42
43	20	1	SPARE	0.0	0.0					SPARE	20	1	44
45			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			46
47	20	1	SPARE					0.0	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				23.5		19.3		19.2		* GFCI BREAKER			

PANEL **RE9** — LOCATION: **ELECTRICAL ROOM** — VOLT: **240/120V, 1Ø, 3W** — BUS: **225A**
LUG LOCATION: **TOP FEED** — MAIN BUS: **MAIN LUGS ONLY** — MOUNTING: **SURFACE**
PANELBOARD AIC RATING (A): **22,000**

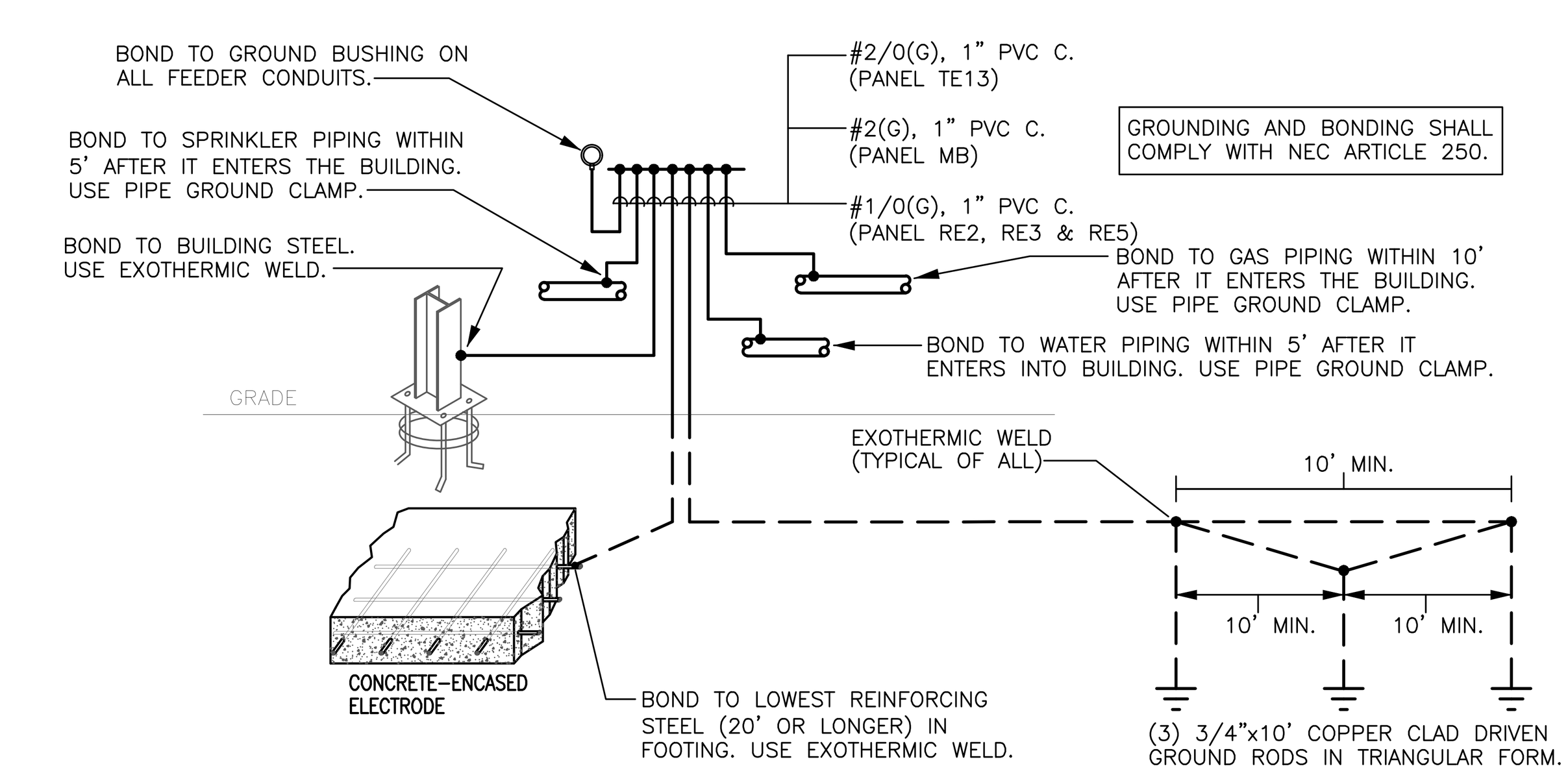
CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) L1		L2		DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0			EXISTING LOAD	30	1	2
3	20	1	EXISTING LOAD			0.0	0.0	EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD	0.0	0.0			EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD			0.0	0.0	EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD	0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD			0.0	0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0			EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	0.0	EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD	0.0	0.0			EXISTING LOAD	20	1	18
19	20	1	EXISTING LOAD			0.0	0.0	EXISTING LOAD	20	1	20
21	40	2	DCU-RE-05 & DSS-RE-05	3.3	0.0			SPARE	20	1	22
23	-	-	-			3.3	0.0	SPARE	20	1	24
25	40	2	DCU-RE-06 & DSS-RE-06	3.3	0.0			SPARE	20	1	26
27	-	-	-			3.3	0.0	SPARE	20	1	28
29	40	2	DCU-RE-07 & DSS-RE-07	3.3	0.0			SPARE	20	1	30
31	-	-	-			3.3	0.0	SPARE	20	1	32
33	20*	1	PROVISIONS FOR HAND DRYER	1.2	0.0			SPARE	20	1	34
35	20*	1	PROVISIONS FOR HAND DRYER			1.2	0.0	SPARE	20	1	36
37	20*	1	PROVISIONS FOR HAND DRYER	1.2	0.0			SPARE	20	1	38
39	20*	1	PROVISIONS FOR HAND DRYER			1.2	0.0	SPARE	20	1	40
41	20	1	SPARE	0.0	0.0			SPARE	20	1	42
TOTAL				12.1		12.1		* GFCI BREAKER			



1 E-600 DEMOLITION ONE LINE DIAGRAM - RULEVILLE ELEMENTARY
Scale: 3/32" = 1'- 0"



2 E-600 RENOVATION ONE LINE DIAGRAM - RULEVILLE ELEMENTARY
Scale: 3/32" = 1'- 0"



3 E-600 GROUNDING DETAIL - RULEVILLE ELEMENTARY
Scale: NONE

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Ruleville Elementary School: 410 L F Packer Dr. Ruleville, MS 38771

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

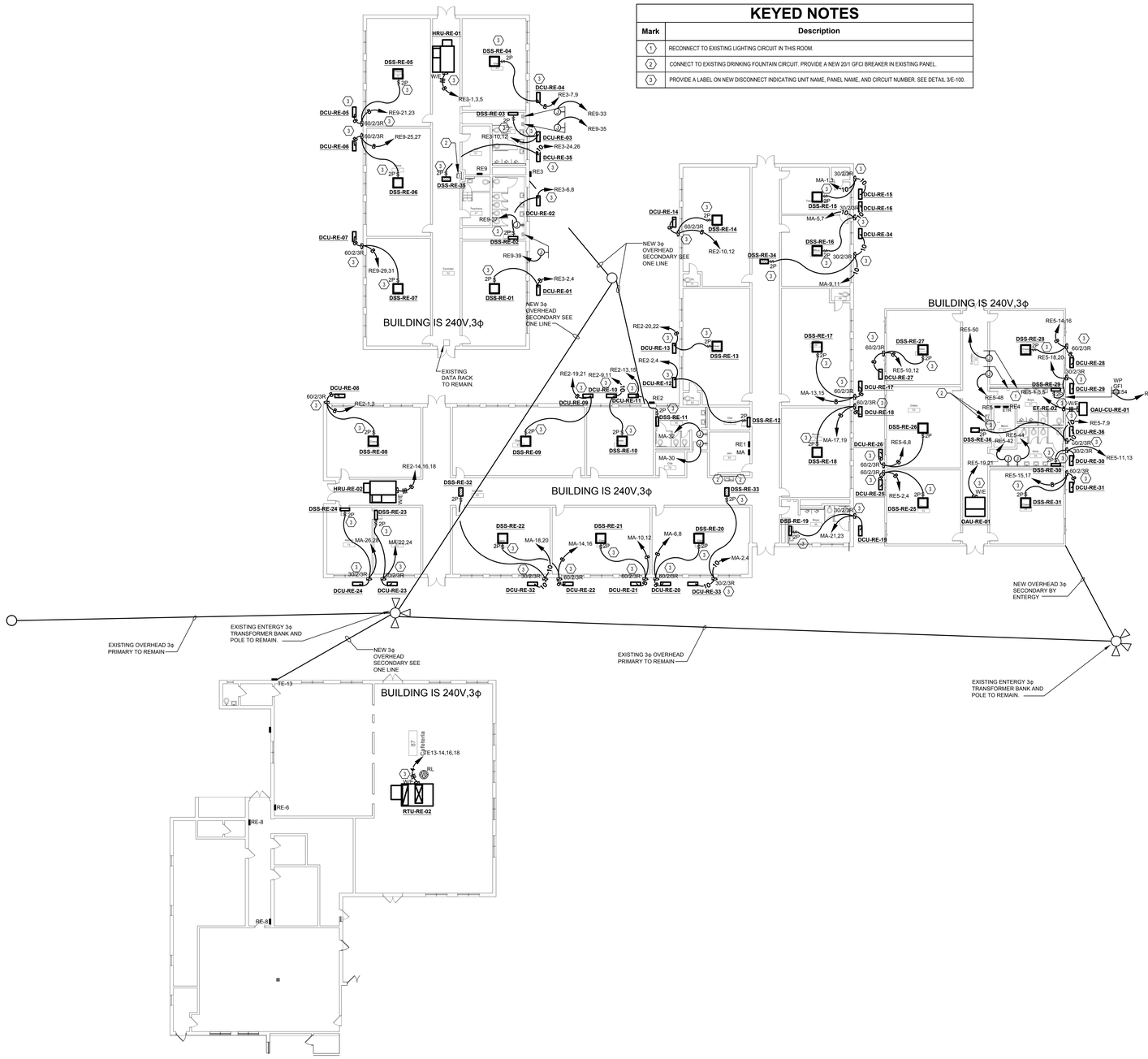
Ruleville Elementary School

E-600

OVERALL DEMOLITION PLAN

KEYED NOTES

Mark	Description
1	RECONNECT TO EXISTING LIGHTING CIRCUIT IN THIS ROOM.
2	CONNECT TO EXISTING DRINKING FOUNTAIN CIRCUIT. PROVIDE A NEW 20/1 GFCI BREAKER IN EXISTING PANEL.
3	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 3/E-100.



1 E-601 RULEVILLE ELEMENTARY SCHOOL - OVERALL RENOVATION PLAN

Scale: 1/16" = 1'-0"

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The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Ruleville Elementary School: 410 L F Packer Dr. Ruleville, MS 38771

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

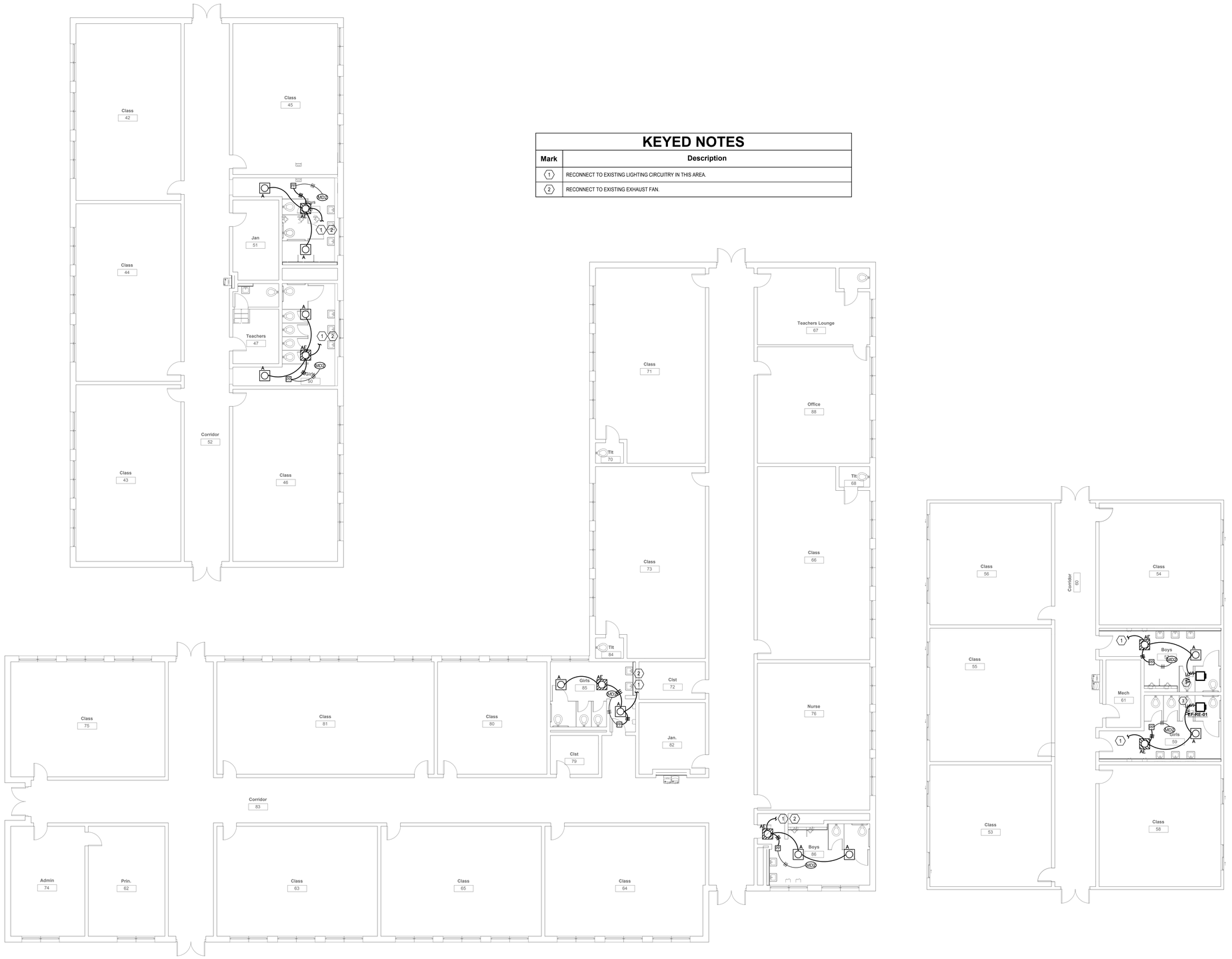
Ruleville Elementary School

E-601

RENOVATION PLAN

KEYED NOTES

Mark	Description
1	RECONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
2	RECONNECT TO EXISTING EXHAUST FAN.



1 E-602 RULEVILLE ELEMENTARY SCHOOL - OVERALL LIGHTING PLAN
Scale: 1/8" = 1'-0"

ASI #1 10/18/2022

The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Ruleville Elementary School: 410 L F Packer Dr. Ruleville, MS 38771

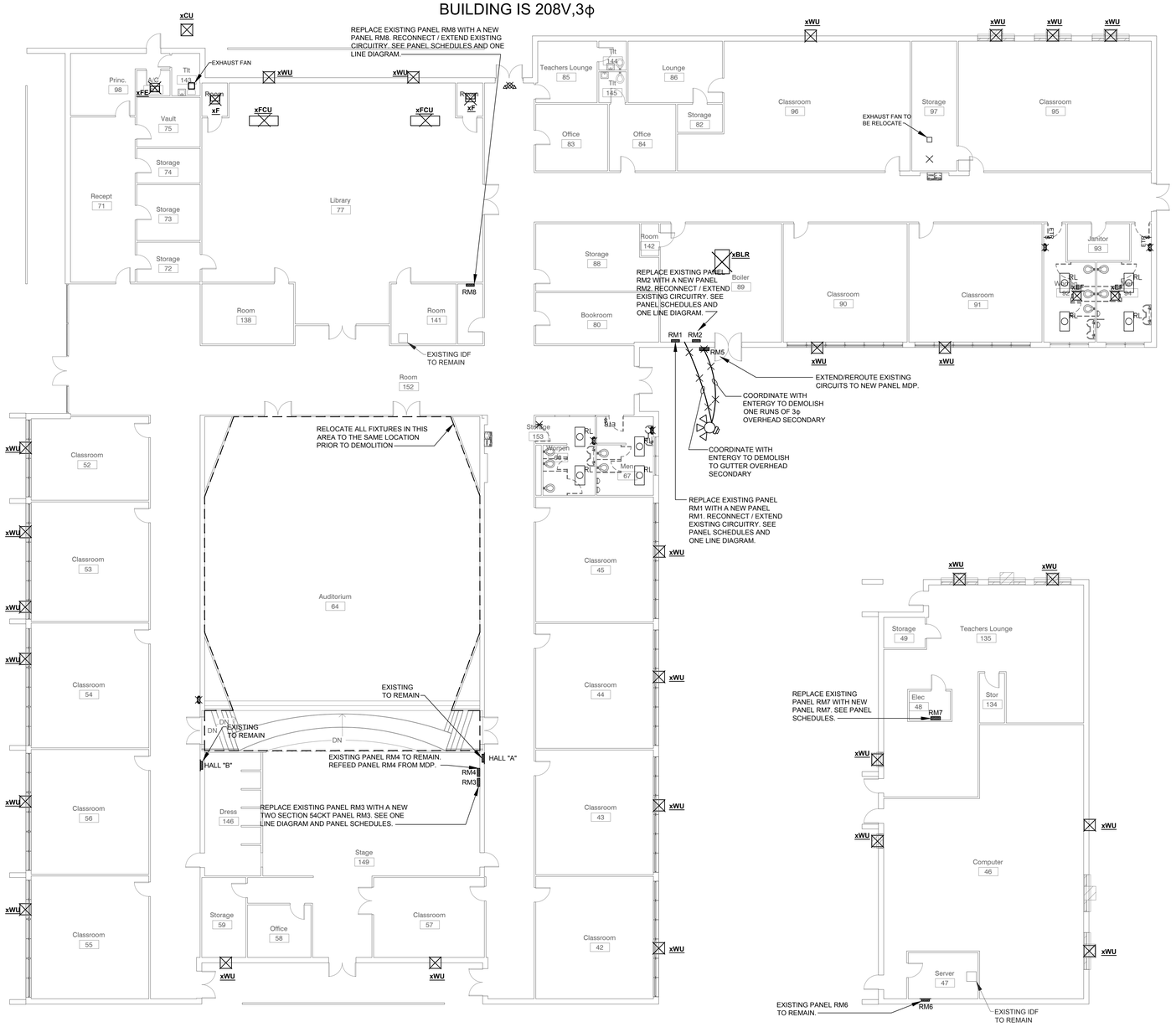
Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Ruleville Elementary School

E-602

RENOVATION PLAN



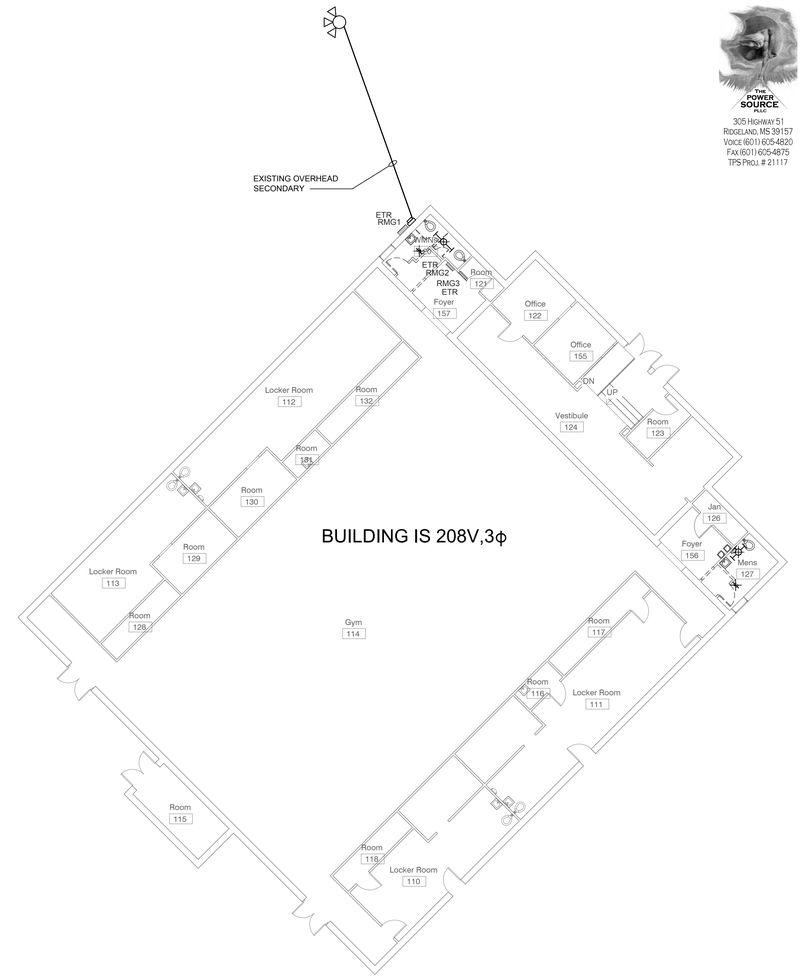
1 ED-700 RULEVILLE MIDDLE SCHOOL - DEMOLITION PLAN - MAIN BUILDING
Scale: 3/32" = 1'- 0"

DEMOLITION NOTES

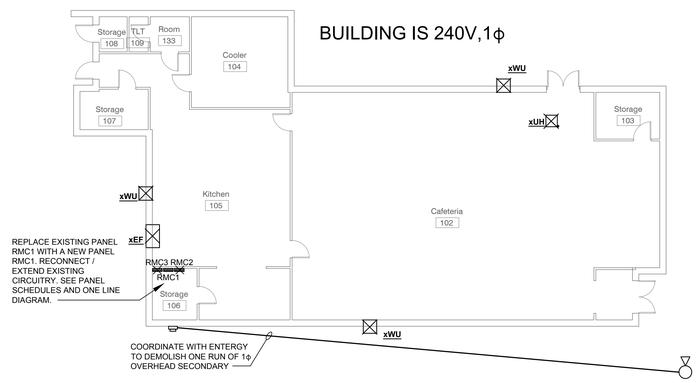
1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.

DEMOLITION LEGEND

X	EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
ETR	EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.
RL	EXISTING DEVICE TO BE RELOCATED. SEE RENOVATION PLAN FOR NEW LOCATIONS. REMOVE EXISTING LIGHT FIXTURES FROM THE EXISTING CEILING THAT IS BEING REPLACED AND REINSTALL THE EXISTING LIGHT FIXTURE IN THE NEW CEILING.



2 ED-700 RULEVILLE MIDDLE SCHOOL - DEMOLITION PLAN - GYM
Scale: 3/32" = 1'- 0"



3 ED-700 RULEVILLE MIDDLE SCHOOL - DEMOLITION PLAN - CAFETERIA
Scale: 3/32" = 1'- 0"

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The POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Ruleville Middle School: 250 Oscar St, Ruleville, MS 38771

Construction Documents

Project No	21027
Date	2/2/2021
Revisions	Rev Date

Ruleville Middle School

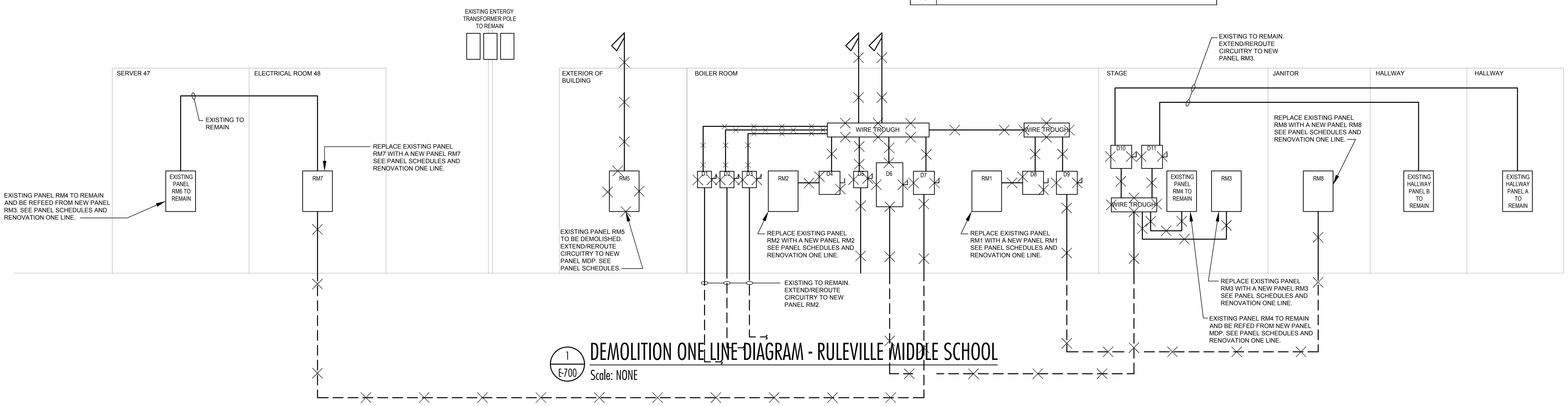
ED-700

DEMOLITION PLANS

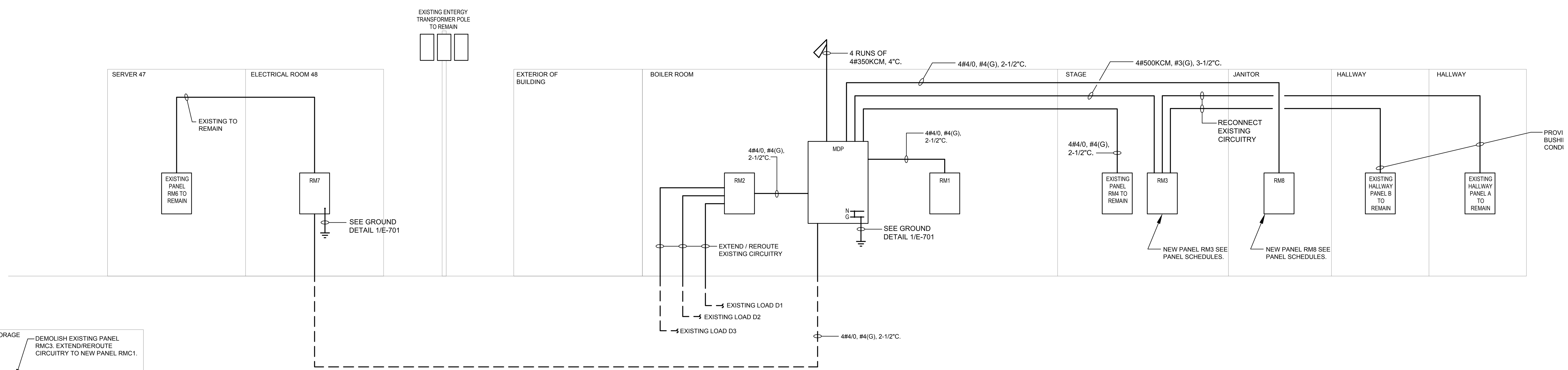
00.08 Architectural
A-041a

GENERAL NOTES

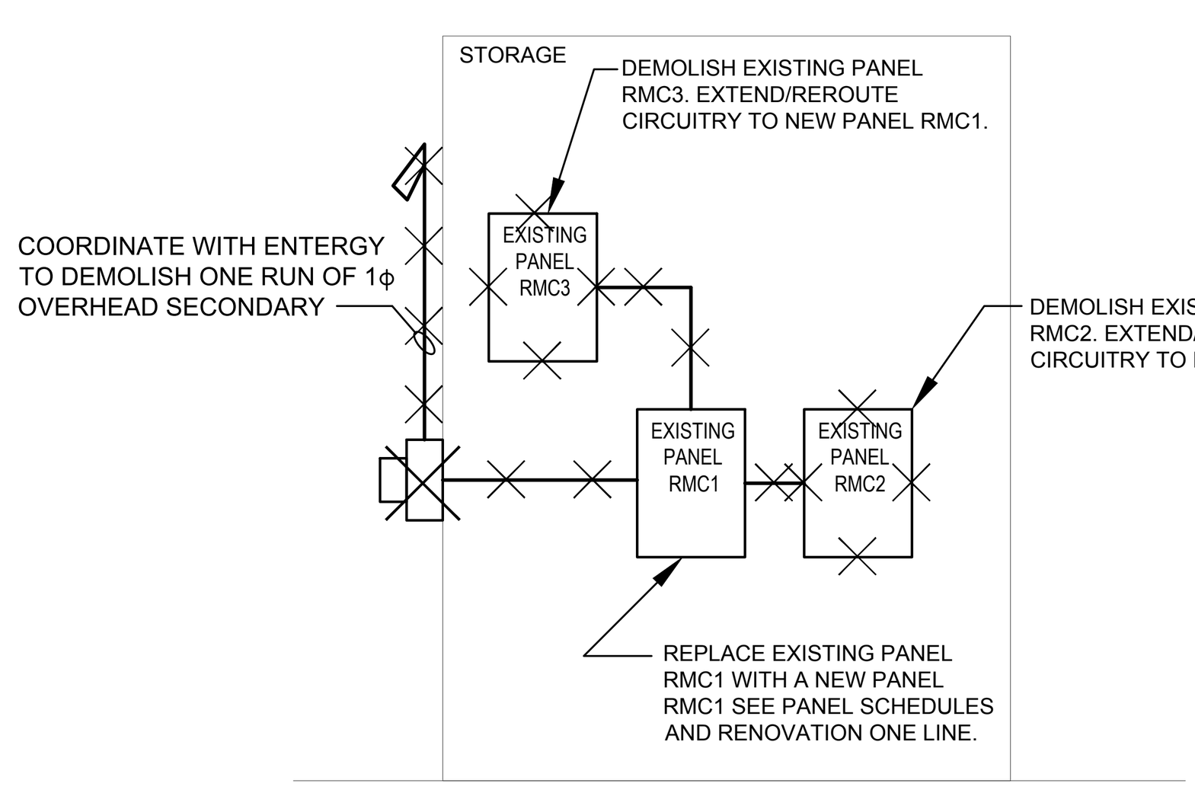
No.	Description
A.	ENTERGY CONTACT IS HAL GREEN (662)-721-4159.



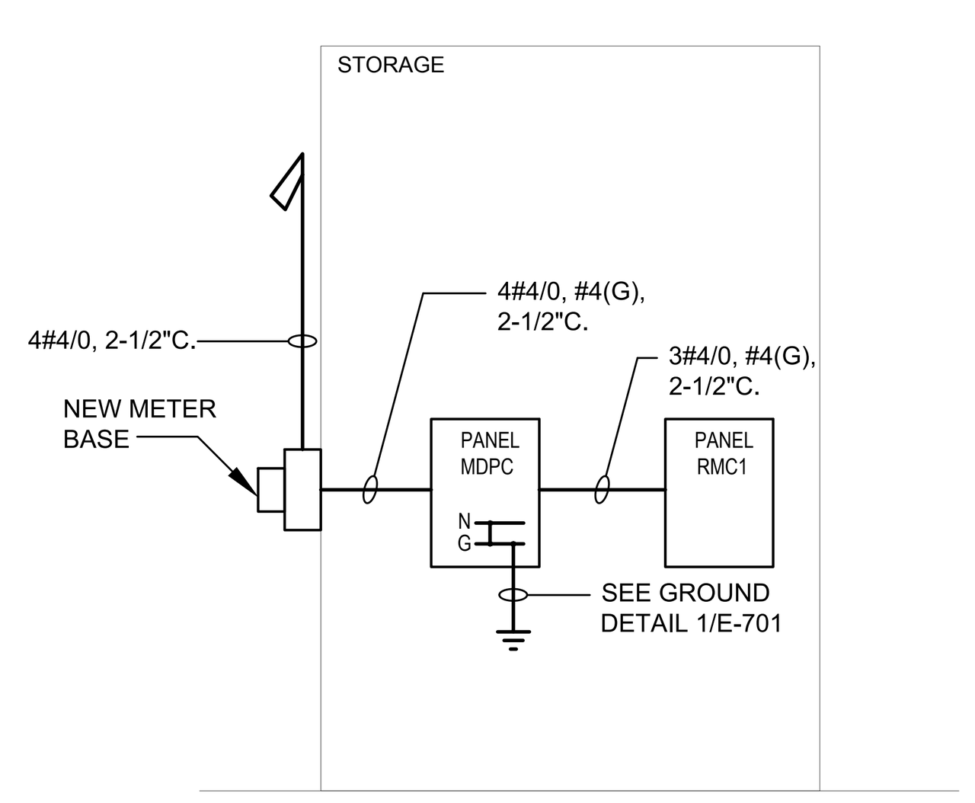
1 E-700 DEMOLITION ONE LINE DIAGRAM - RULEVILLE MIDDLE SCHOOL
Scale: NONE



2 E-700 RENOVATION ONE LINE DIAGRAM - RULEVILLE MIDDLE SCHOOL
Scale: NONE



5 E-700 DEMOLITION ONE LINE DIAGRAM - RULEVILLE MIDDLE SCHOOL CAFETERIA
Scale: NONE



6 E-700 RENOVATION ONE LINE DIAGRAM - RULEVILLE MIDDLE SCHOOL CAFETERIA
Scale: NONE

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THE POWER SOURCE PLLC
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION
Architects
One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Ruleville Middle School: 250 Oscar St, Ruleville, MS 38771

Construction Documents

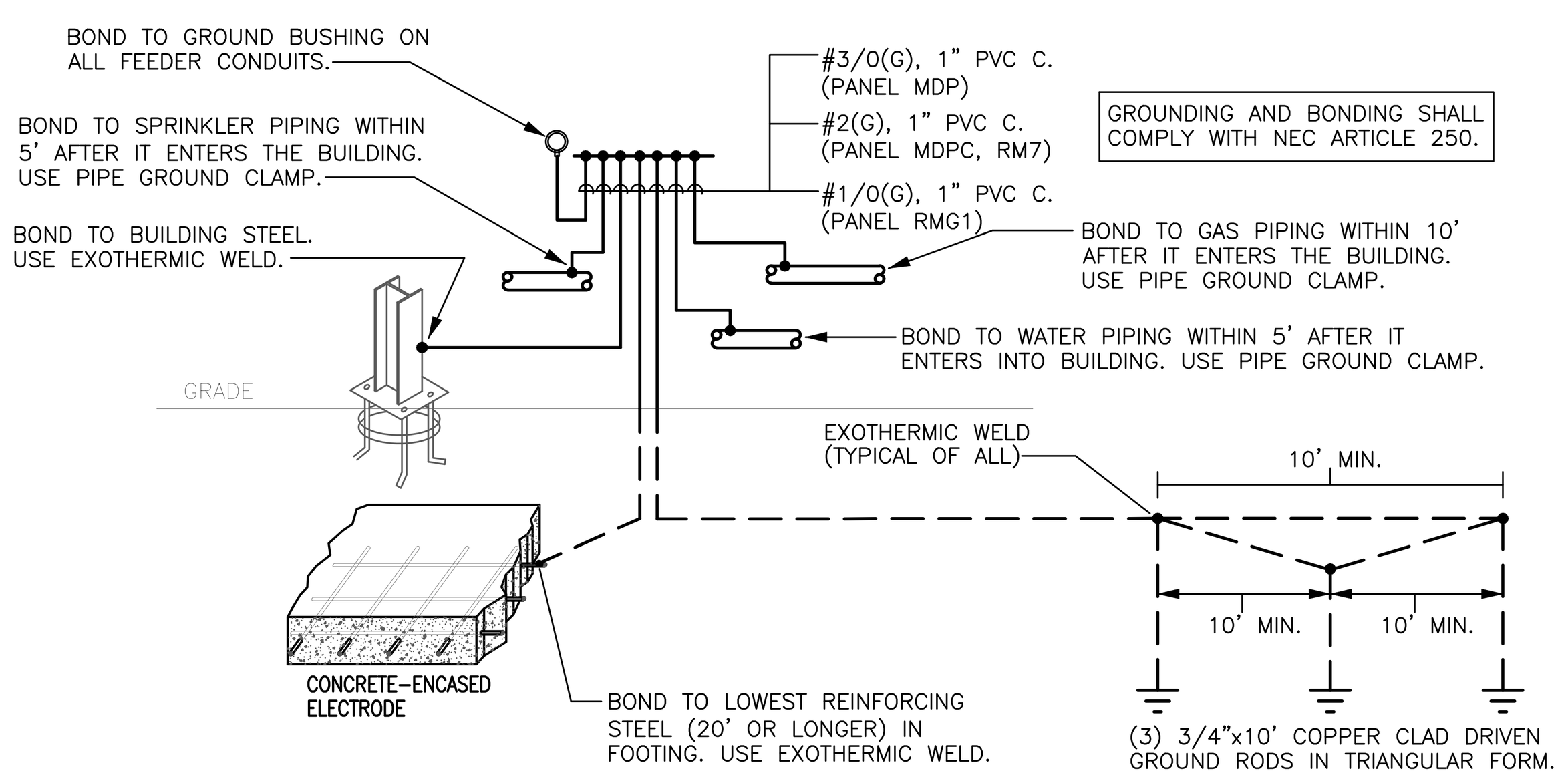
Project No	21027
Date	2/2/2021
Revisions	Rev Date

Ruleville Middle School

E-700

DEMOLITION PLANS

00.08 Architectural
A-041a



1 / E-701 **GROUNDING DETAIL**
Scale: NONE

RULEVILLE MIDDLE SCHOOL PANELS

PANEL MDP — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 1200A; LUG LOCATION: TOP FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 42,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	225	3	PANEL RM1	3.8	2.5					PANEL RM8	225	3	2
3	-	-	-			4.1	1.6			-	-	-	4
5	-	-	-					3.8	2.5	-	-	-	6
7	225	3	PANEL RM2	17.0	0.0					EXISTING LOAD FROM PANEL "RM5"	125	3	8
9	-	-	-			13.1	0.0			-	-	-	10
11	-	-	-					18.9	0.0	-	-	-	12
13	400	3	PANEL RM3	29.8	0.0					EXISTING LOAD FROM PANEL "RM5"	125	3	14
15	-	-	-			26.7	0.0			-	-	-	16
17	-	-	-					23.0	0.0	-	-	-	18
19	225	3	PANEL RM7	6.1	0.0					EXISTING LOAD FROM PANEL "RM5"	60	3	20
21	-	-	-			6.1	0.0			-	-	-	22
23	-	-	-					6.1	0.0	-	-	-	24
25	150	3	RTU-RM-01	11.7	0.0					EXISTING LOAD FROM PANEL "RM4"	225	3	26
27	-	-	-			11.7	0.0			-	-	-	28
29	-	-	-					11.7	0.0	-	-	-	30
31	60	3	RTU-RM-02	4.6	0.0					SPARE	100	3	32
33	-	-	-			4.7	0.0			-	-	-	34
35	-	-	-					4.6	0.0	-	-	-	36
37	60	3	HRU-RM-01	5.4	0.0					SPARE	225	3	38
39	-	-	-			5.4	0.0			-	-	-	40
41	-	-	-					5.4	0.0	-	-	-	42
TOTAL				80.9		73.3		76.0					

PANEL RM1 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 225A; LUG LOCATION: BOTTOM FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	18
19	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	20
21	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	50	2	22
23	20	1	EXISTING LOAD					0.0	0.0	-	-	-	24
25	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	50	2	26
27	30	1	EXISTING LOAD			0.0	0.0			-	-	-	28
29	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	30	2	30
31	20	1	EXISTING LOAD	0.0	0.0					-	-	-	32
33	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	34
35	15	2	DCU-RM-14 & DSS-RM-14					0.9	0.0	EXISTING LOAD	20	1	36
37	-	-	-	0.9	1.2					PROVISIONS FOR HAND DRYER	20*	1	38
39	15	2	DCU-RM-15 & DSS-RM-15			0.9	1.2			PROVISIONS FOR HAND DRYER	20*	1	40
41	-	-	-					0.9	0.0	SPARE	20	1	42
43	15	2	DCU-RM-16 & DSS-RM-16	0.9	0.0					SPARE	20	1	44
45	-	-	-			0.9	0.0			SPARE	20	1	46
47	15	2	DCU-RM-17 & DSS-RM-17					0.9	0.0	SPARE	20	1	48
49	-	-	-	0.9	0.0					SPARE	20	1	50
51	20*	1	PROVISIONS FOR HAND DRYER			1.2	0.0			SPARE	20	1	52
53	20*	1	PROVISIONS FOR HAND DRYER					1.2	0.0	SPARE	20	1	54
TOTAL				3.8		4.1		3.8		* GFCI BREAKER			

PANEL RM2 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 225A; LUG LOCATION: BOTTOM FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	2	8
9	30	3	EXISTING LOAD			0.0	0.0			-	-	-	10
11	-	-	-					0.0	2.8	DCU-RM-20 & DSS-RM-20	40	2	12
13	-	-	-	0.0	2.8					-	-	-	14
15	20	1	EXISTING LOAD			0.0	0.9			DCU-RM-21 & DSS-RM-21	15	2	16
17	30	3	EXISTING LOAD FROM DISCONNECT "D1"					0.0	0.9	-	-	-	18
19	-	-	-	0.0	0.9					DCU-RM-22 & DSS-RM-22	15	2	20
21	-	-	-			0.0	0.9			-	-	-	22
23	30	3	EXISTING LOAD FROM DISCONNECT "D2"					0.0	2.8	DCU-RM-23 & DSS-RM-23	40	2	24
25	-	-	-	0.0	2.8					-	-	-	26
27	-	-	-			0.0	0.9			DCU-RM-24 & DSS-RM-24	15	2	28
29	30	3	EXISTING LOAD FROM DISCONNECT "D3"					0.0	0.9	-	-	-	30
31	-	-	-	0.0	2.8					DCU-RM-25 & DSS-RM-25	40	2	32
33	-	-	-			0.0	2.8			-	-	-	34
35	20	2	EXISTING LOAD FROM PANEL "RM5"					0.0	1.7	DCU-RM-29 & DSS-RM-29	30	2	36
37	-	-	-	0.0	1.7					-	-	-	38
39	20	1	EXISTING LOAD FROM PANEL "RM5"			0.0	1.7			ODU-RM-01	30	2	40
41	40	2	DCU-RM-18 & DSS-RM-18					2.8	1.7	-	-	-	42
43	-	-	-	2.8	0.1					IDU-RM-01a THRU IDU-RM-01d	15	2	44
45	40	2	DCU-RM-19 & DSS-RM-19			2.8	0.1			-	-	-	46
47	-	-	-					2.8	1.2	PROVISIONS FOR HAND DRYER	20*	1	48
49	30	2	DCU-RM-30 & DSS-RM-30	1.7	1.2					PROVISIONS FOR HAND DRYER	20*	1	50
51	-	-	-			1.7	1.2			PROVISIONS FOR HAND DRYER	20*	1	52
53	20	1	SPARE					0.0	1.2	PROVISIONS FOR HAND DRYER	20*	1	54
TOTAL				17.0		13.1		18.9		* GFCI BREAKER			

PANEL RM3 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 400A; LUG LOCATION: BOTTOM FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	2	18
19	20	2	EXISTING LOAD	0.0	0.0					-	-	-	20
21	-	-	-			0.0	0.0			EXISTING LOAD	20	1	22
23	30	2	DCU-RM-26 & DSS-RM-26					1.9	0.0	EXISTING LOAD	20	1	24
25	-	-	-	1.9	2.8					DCU-RM-03 & DSS-RM-03	40	2	26
27	40	2	DCU-RM-32 & DSS-RM-32			2.8	2.8			-	-	-	28
29	-	-	-					2.8	2.8	DCU-RM-04 & DSS-RM-04	40	2	30
31	40	2	DCU-RM-01 & DSS-RM-01	2.8	2.8					-	-	-	32
33	-	-	-			2.8	1.7			DCU-RM-31 & DSS-RM-31	30	2	34
35	40	2	DCU-RM-02 & DSS-RM-02					2.8	1.7	-	-	-	36
37	-	-	-	2.8	2.8					DCU-RM-05 & DSS-RM-05	40	2	38
39	30	2	DCU-RM-27 & DSS-RM-27			1.7	2.8			-	-	-	40
41	-	-	-					1.7	0.0	SPARE	20	1	42
43	100	3	EXISTING HALL PANEL A	0.0	0.0					EXISTING HALL PANEL B	100	3	44
45	-	-	-			0.0	0.0			-	-	-	46
47	-	-	-					0.0	0.0	-	-	-	48
49	20	1	SPARE	0.0	0.0					SPARE	20	1	50
51	20	1	SPARE			0.0	0.0			SPARE	20	1	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				16.1		14.7		13.8					

PANEL RM3 - SEC. 2 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 400A; LUG LOCATION: TOP FEED; MAIN: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
55	15	2	DCU-RM-06 & DSS-RM-06	0.9	2.8					DCU-RM-11 & DSS-RM-11	40	2	56
57	-	-	-			0.9	2.8			-	-	-	58
59	15	2	DCU-RM-07 & DSS-RM-07					0.9	1.7	DCU-RM-28 & DSS-RM-28	30	2	60
61	-	-	-	0.9	1.7					-	-	-	62
63	15	2	DCU-RM-08 & DSS-RM-08			0.9	2.8			DCU-RM-12 & DSS-RM-12	40	2	64
65	-	-	-					0.9	2.8	-	-	-	66
67	30	2	DCU-RM-09 & DSS-RM-09	1.7	2.8					DCU-RM-13 & DSS-RM-13	40	2	68
69	-	-	-			1.7	2.8			-	-	-	70
71	40	2	DCU-RM-10 & DSS-RM-10					2.8	0.0	SPARE	20	1	72
73	-	-	-	2.8	0.0					SPARE	20	1	74
75	20	1	SPARE			0.0	0.0			SPARE	20	1	76
77	20	1	SPARE					0.0	0.0	SPARE	20	1	78
79	20	1	SPARE	0.0	0.0					SPARE	20	1	80
81	20	1	SPARE			0.0	0.0			SPARE	20	1	82
83	20	1	SPARE					0.0	0.0	SPARE	20	1	84
85	20	1	SPARE	0.0	0.0					SPARE	20	1	86
87	20	1	SPARE			0.0	0.0			SPARE	20	1	88
89	20	1	SPARE					0.0	0.0	SPARE	20	1	90
91	20	1	SPARE	0.0	0.0					SPARE	20	1	92
93	20	1	SPARE			0.0	0.0			SPARE	20	1	94
95	20	1	SPARE					0.0	0.0	SPARE	20	1	96
97	20	1	SPARE	0.0	0.0					SPARE	20	1	98
99	20	1	SPARE			0.0	0.0			SPARE	20	1	100
101	20	1	SPARE					0.0	0.0	SPARE	20	1	102
103	20	1	SPARE	0.0	0.0					SPARE	20	1	104
105	20	1	SPARE			0.0	0.0			SPARE	20	1	106
107	20	1	SPARE					0.0	0.0	SPARE	20	1	108
TOTAL				13.7		11.9		9.2					

PANEL RM7 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 225A; LUG LOCATION: BOTTOM FEED; MAIN BUS: 225A MAIN BREAKER; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	8
9	30	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	18
19	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	40	2	20
21	60	2	EXISTING LOAD			0.0	0.0			-	-	-	22
23	-	-	-					0.0	0.0	EXISTING LOAD	100	2	24
25	40	2	EXISTING LOAD	0.0	0.0					-	-	-	26
27	-	-	-			0.0	0.0			EXISTING LOAD	70	2	28
29	20	2	EXISTING LOAD					0.0	0.0	-	-	-	30
31	-	-	-	0.0	0.0					EXISTING LOAD	40	2	32
33	20	1	EXISTING LOAD			0.0	0.0			-	-	-	34
35	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	2	36
37	20	1	EXISTING LOAD	0.0	0.0					-	-	-	38
39	20	1	EXISTING LOAD			0.0	0.0			SPARE	20	1	40
41	25	3	RTU-RM-03					1.8	0.0	SPARE	20	1	42
43	-	-	-	1.8	0.0					SPARE	20	1	44
45	-	-	-			1.8	0.0			SPARE	20	1	46
47	50	3	RTU-RM-04					4.3	0.0	SPARE	20	1	48
49	-	-	-	4.3	0.0					SPARE	20	1	50
51	-	-	-			4.3	0.0			SPARE	20	1	52
53	20	1	SPARE					0.0	0.0	SPARE	20	1	54
TOTAL				6.1		6.1		6.1					

PANEL RM8 — LOCATION: ELECTRICAL ROOM; VOLT: 208Y/120V, 3Ø, 4W; BUS: 225A; LUG LOCATION: BOTTOM FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	2
3	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	18
19	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	20
21	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	22
23	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	24
25	20	1	EXISTING LOAD	0.0	0.0					-	30	2	26
27	30	2	EXISTING LOAD			0.0	0.0			EXISTING LOAD	-	-	28
29	-	-	-					0.0	0.0	EXISTING LOAD	20	1	30
31	30	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	32
33	20	1	EXISTING LOAD			0.0	0.0			EXISTING LOAD	20	1	34
35	20	1	EXISTING LOAD					0.0	0.0	EXISTING LOAD	20	1	36
37	20	1	EXISTING LOAD	0.0	0.0					EXISTING LOAD	20	1	38
39	20	1	EXISTING LOAD			0.0	0.0			SPARE	20	1	40
41	15	2	DCU-RM-33 & DSS-RM-33					0.9	0.0	SPARE	20	1	42
43	-	-	-	0.9	0.0					SPARE	20	1	44
45	30	2	CU-RM-01			1.6	0.0			SPARE	20	1	46
47	-	-	-					1.6	0.0	SPARE	20	1	48
49	20	1	FE-RM-01	1.7	0.0					SPARE			50
51	20	1	SPARE			0.0	0.0			SPARE			52
53	20	1	SPARE					0.0	0.0	SPARE			54
TOTAL				2.5		1.6		2.5					

RULEVILLE MIDDLE SCHOOL CAFETERIA PANELS

PANEL MDPC — LOCATION: ELECTRICAL ROOM; VOLT: 240Δ/120V, 3Ø, 4W; BUS: 225A; LUG LOCATION: BOTTOM FEED; MAIN BUS: 225A MAIN BREAKER; MOUNTING: SURFACE; UL LISTED FOR SERVICE ENTRANCE; PANELBOARD AIC RATING (A): 42,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) A	A	B	B	C	C	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	80	3	RTU-RM-05	7.8	4.3					RTU-RM-06	50	3	2
3	-	-	-			7.8	4.3			-	-	-	4
5	-	-	-					7.8	4.3	-	-	-	6
7	20	1	SPARE	0.0	0.0					SPARE	20	1	8
9			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			10
11	225	2	PANEL "PA"					0.0	0.0	FULL WIDTH BREAKER	-	-	12
13	-	-	-	0.0	0.0					-	-	-	14
15			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			16
17	20	1	SPARE					0.0	0.0	SPARE	20	1	18
19	20	1	SPARE	0.0	0.0					SPARE	20	1	20
21			NO SINGLE PHASE LOADS ON "B" PHASE			0.0	0.0			NO SINGLE PHASE LOADS ON "B" PHASE			22
23	20	1	SPARE					0.0	0.0	SPARE	20	1	24
TOTAL				12.0		12.0		12.0					

PANEL RMC1 — LOCATION: ELECTRICAL ROOM; VOLT: 240/120V, 1Ø, 3W; BUS: 225A; LUG LOCATION: TOP FEED; MAIN BUS: MAIN LUGS ONLY; MOUNTING: SURFACE; PANELBOARD AIC RATING (A): 22,000

CIRCUIT NO.	BREAKER AMPS	BREAKER POLES	DESCRIPTION	PHASE LOAD (KVA) L1	L1	L2	L2	DESCRIPTION	BREAKER AMPS	BREAKER POLES	CIRCUIT NO.
1	20	1	EXISTING LOAD FROM PANEL "RMC1"	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	2
3	20	1	EXISTING LOAD FROM PANEL "RMC1"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	20	1	4
5	20	1	EXISTING LOAD FROM PANEL "RMC1"	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	6
7	20	1	EXISTING LOAD FROM PANEL "RMC1"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	20	1	8
9	20	1	EXISTING LOAD FROM PANEL "RMC1"	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	10
11	20	1	EXISTING LOAD FROM PANEL "RMC1"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	20	1	12
13	20	1	EXISTING LOAD FROM PANEL "RMC1"	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	14
15	20	1	EXISTING LOAD FROM PANEL "RMC1"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	20	1	16
17	20	1	EXISTING LOAD FROM PANEL "RMC1"	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	18
19	20	1	EXISTING LOAD FROM PANEL "RMC1"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	20	1	20
21	20	1	EXISTING LOAD FROM PANEL "RMC1"	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	22
23	30	1	EXISTING LOAD FROM PANEL "RMC2"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	30	2	24
25	30	1	EXISTING LOAD FROM PANEL "RMC2"	0.0	0.0			-	-	-	26
27	60	2	EXISTING LOAD FROM PANEL "RMC2"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC1"	20	1	28
29	-	-	-	0.0	0.0			EXISTING LOAD FROM PANEL "RMC1"	20	1	30
31	20	1	EXISTING LOAD FROM PANEL "RMC3"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC3"	20	2	32
33	20	1	EXISTING LOAD FROM PANEL "RMC3"	0.0	0.0			-	-	-	34
35	20	1	EXISTING LOAD FROM PANEL "RMC3"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC3"	30	2	36
37	20	1	EXISTING LOAD FROM PANEL "RMC3"	0.0	0.0			-	-	-	38
39	30	2	EXISTING LOAD FROM PANEL "RMC3"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC3"	20	2	40
41	-	-	-	0.0	0.0			-	-	-	42
43	30	2	EXISTING LOAD FROM PANEL "RMC3"			0.0	0.0	EXISTING LOAD FROM PANEL "RMC3"	20	1	44
45	-	-	-	0.0	0.0			EXISTING LOAD FROM PANEL "RMC3"	20	1	46
47	30	2	EXISTING LOAD FROM PANEL "RMC3"			0.0	0.0	SPARE	20	1	48
49	-	-	-	0.0	0.0			SPARE	20	1	50
51	30	2	EXISTING LOAD FROM PANEL "RMC3"			0.0	0.0	SPARE	20	1	52
53	-	-	-	0.0	0.0			SPARE	20	1	54
TOTAL				0.0		0.0					

ASI #1 10/18/2022

THE POWER SOURCE PLLC
305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
FAX (601) 605-4875
TPS PROJ. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

CHRISTOPHER L. GREEN
LICENSED PROFESSIONAL ENGINEER
2/2/2022
16776
STATE OF MISSISSIPPI

Sunflower Consolidated School District ESSER 2&3 Phase I Redesign
Ruleville Middle School: 250 Oscar St, Ruleville, MS 38771

Construction Documents

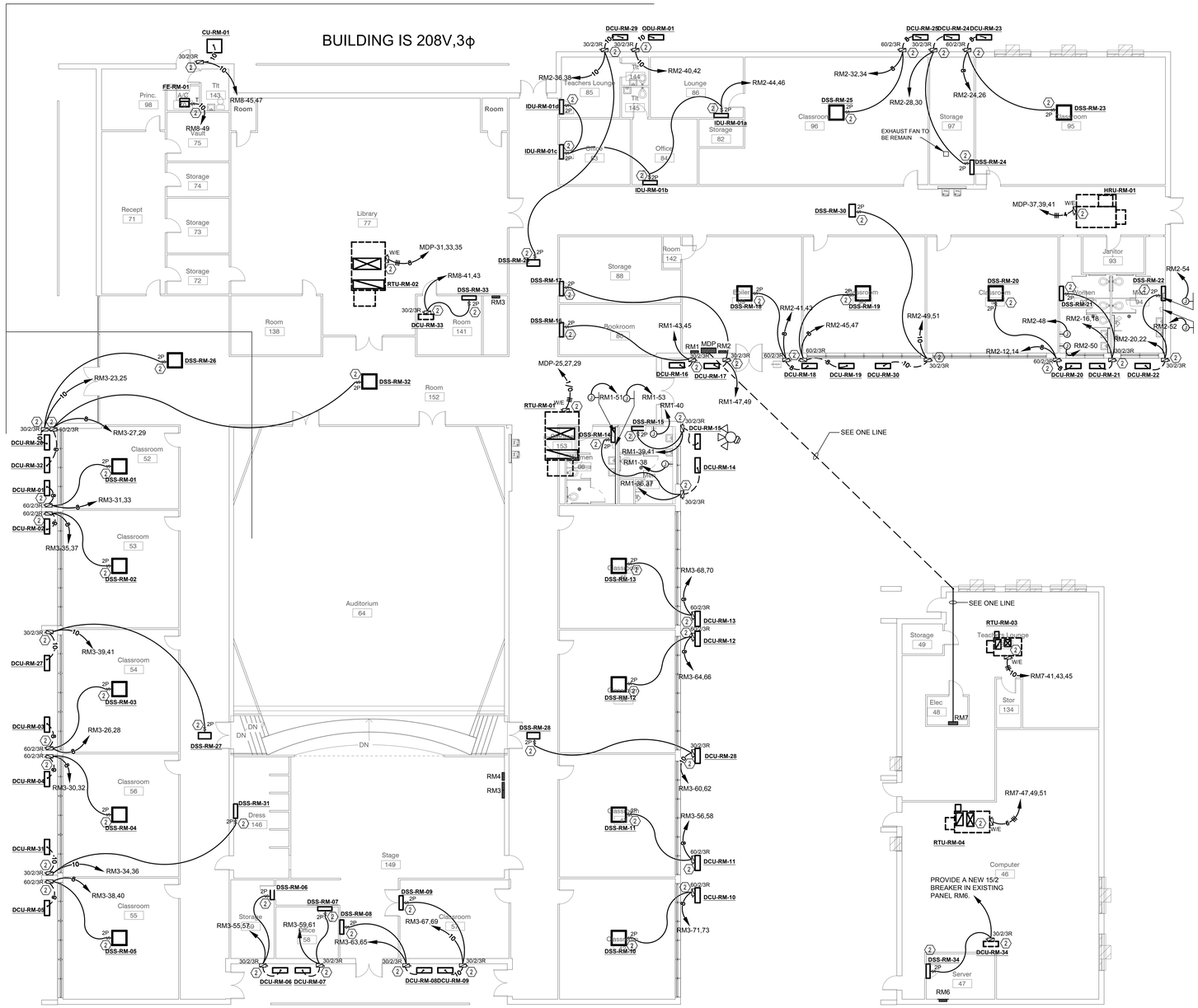
Project No	21027
Date	2/2/2021
Revisions	Rev Date

Ruleville Middle School

E-701

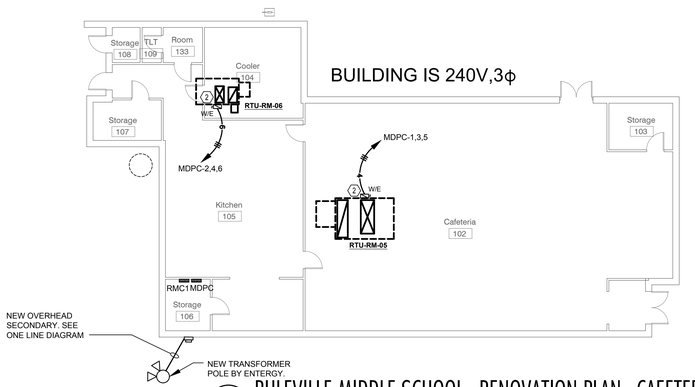
DEMOLITION PLANS

12/16/2021 8:32:25 AM
Z:\02021_Projects\21117 - Sunflower County ESSR\DOCUMENTS\E-MAIL\2021-12-16_ARCH\wetransfer_7-esser-models-for-sunflower_2021-12-16_1407\21027 AW James Elementary.rvt



1 E-702 RULEVILLE MIDDLE SCHOOL - RENOVATION PLAN - MAIN BUILDING

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



3 E-702 RULEVILLE MIDDLE SCHOOL - RENOVATION PLAN - CAFETERIA

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

MASTER KEYED NOTES

Mark	Description
1	NOT USED.
2	PROVIDE A LABEL ON NEW DISCONNECT INDICATING UNIT NAME, PANEL NAME, AND CIRCUIT NUMBER. SEE DETAIL 3/E-100.
3	NOT USED.

NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

The Power Source PLLC
305 Highway 51
Ridgeland, MS 39157
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Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

dalebaileyplans.com

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Construction Documents

Project No	21027
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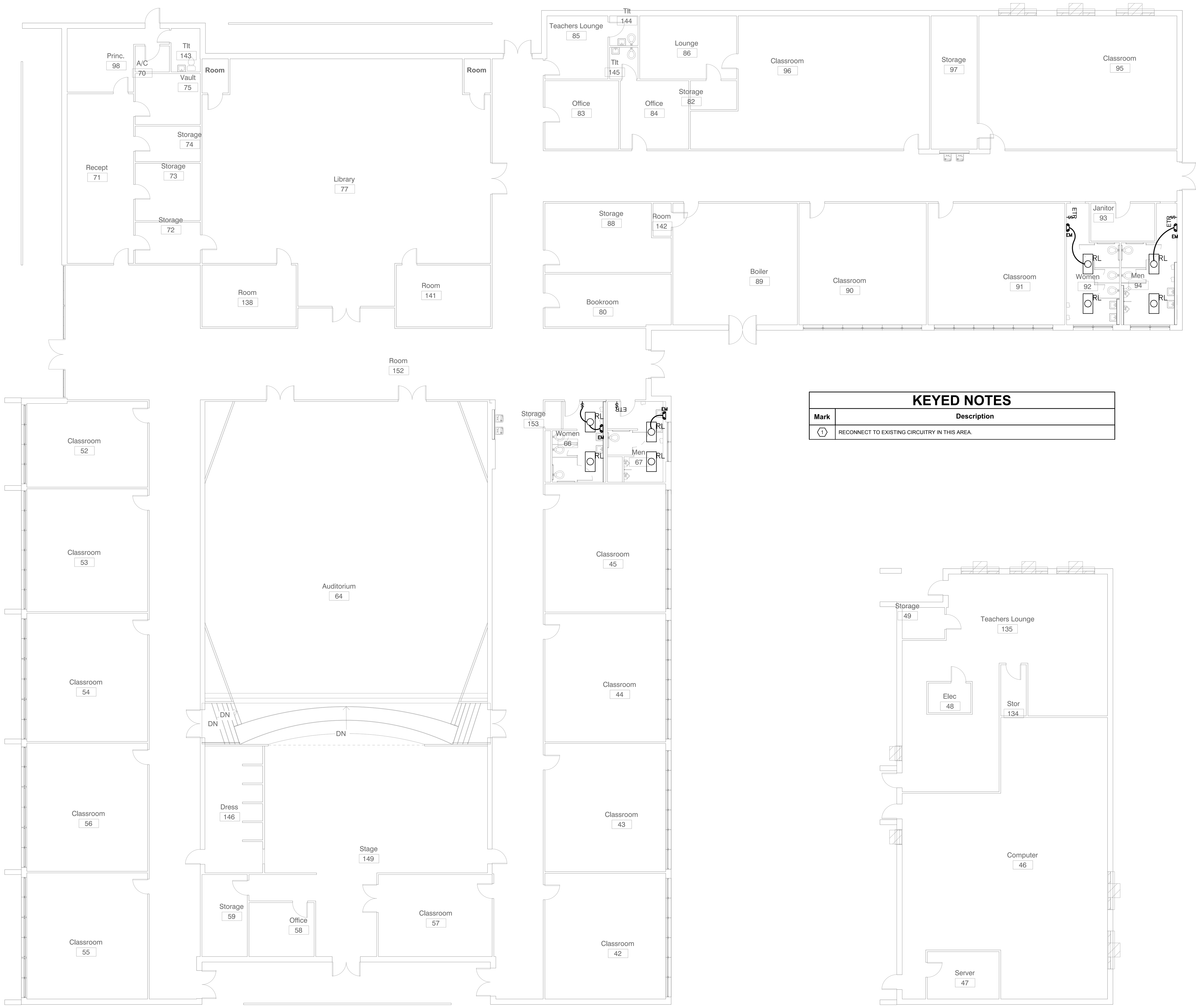
Revisions	Rev Date

Ruleville Middle School

E-702

RENOVATION PLANS

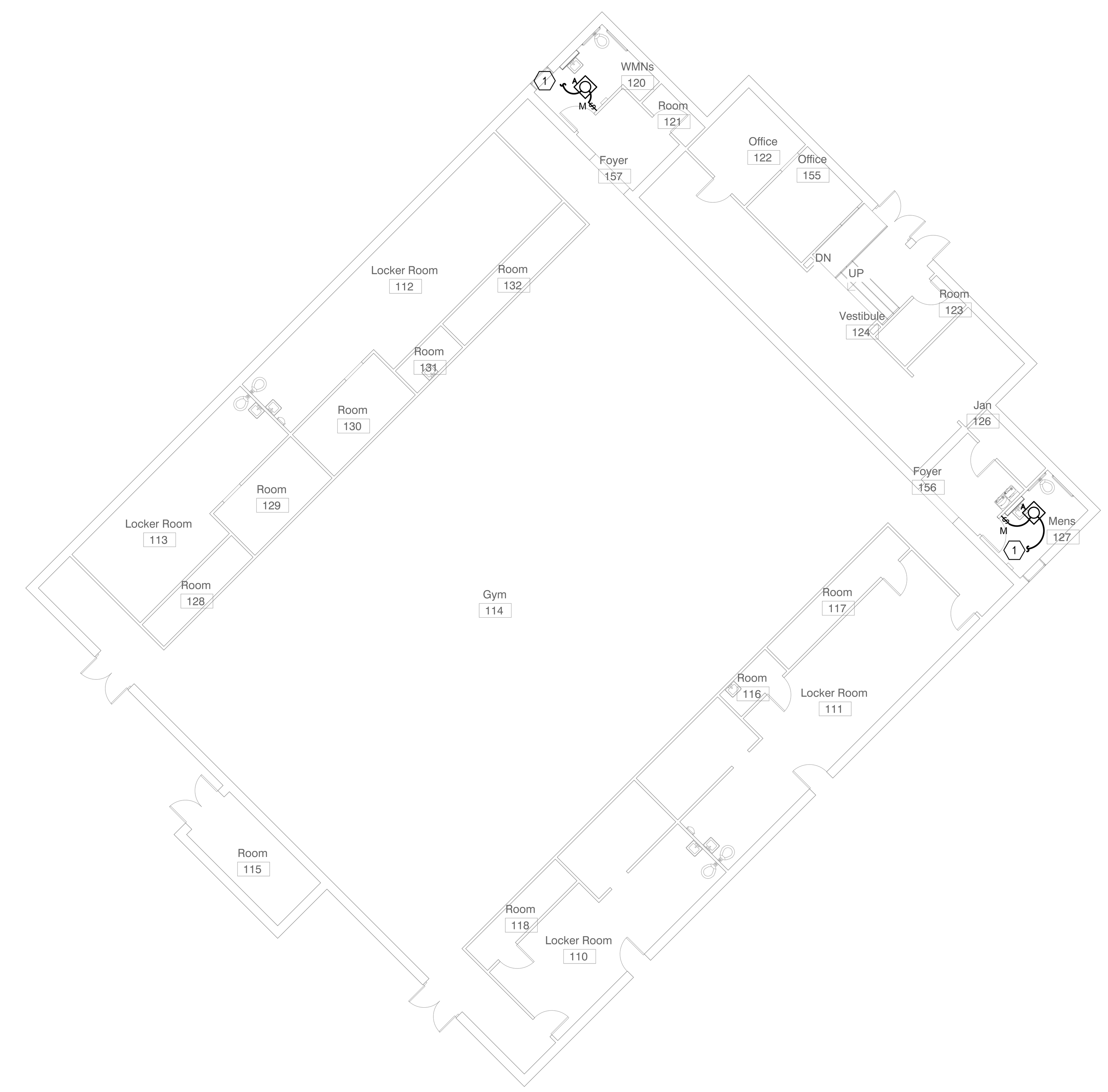
ASI #1 10/18/2022



KEYED NOTES	
Mark	Description
1	RECONNECT TO EXISTING CIRCUITRY IN THIS AREA.

1
E-703

RULEVILLE MIDDLE SCHOOL - RENOVATION PLAN - MAIN BUILDING
Scale: 3/32" = 1'- 0"



2
E-703

RULEVILLE MIDDLE SCHOOL - RENOVATION PLAN - GYM
Scale: 3/32" = 1'- 0"

THE POWER SOURCE
305 Highway 51
Ridgeland, MS 39157
Voice (601) 605-4820
Fax (601) 605-4875
TPS Proj. # 21117

DALE BAILEY
AN ASSOCIATION

Architects

One Jackson Place 250
188 East Capitol Street
Jackson, MS 39201
p 601.352.5411

201 Park Court Suite B
Ridgeland, MS 39157
p 601.790.9432

161 Lameuse St. Suite 201
Biloxi, MS 39530
p 228.374.1409

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Sunflower Consolidated School District ESSER 2&3 Phase I Redesign

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Ruleville Middle School

E-703

RENOVATION PLANS

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