

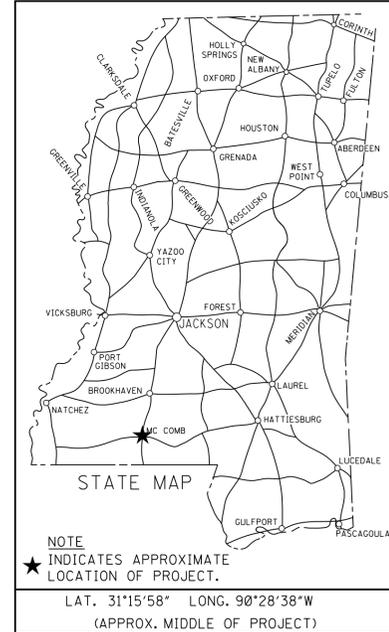
STATE	PROJECT NO.	SHEET NO.
MISS.	BWO-7125-57(002)	1

STATE OF MISSISSIPPI  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED  
**DISTRICT 7 MATERIALS LAB  
HVAC REPLACEMENT  
AT McCOMB**  
STATE PROJECT NO. BWO-7125-57(002)

PIKE COUNTY

CONSTRUCTION FMS NOS.  
502964/301000



PROJECT SITE AT  
1076 MDOT DRIVE



CONVENTIONAL SYMBOLS

- COUNTY LINE .....
- TOWN CORPORATION LINE .....
- SECTION LINE .....
- EXISTING ROAD OR TRAVELED WAY .....
- EXISTING DIVIDED HIGHWAY .....
- RAILROAD .....
- SURVEY LINE .....
- BRIDGES .....

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input type="checkbox"/>	<input type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>
* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR		
STORMWATER PERMIT	<input type="checkbox"/>	
Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)	
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)	
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)	
APPROVED BY: _____		



MECHANICAL /  
ELECTRICAL (POWER) /  
PLUMBING

P S & E DATE: 12/28/15

APPROVED: \_\_\_\_\_  
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER  
\_\_\_\_\_  
EXECUTIVE DIRECTOR

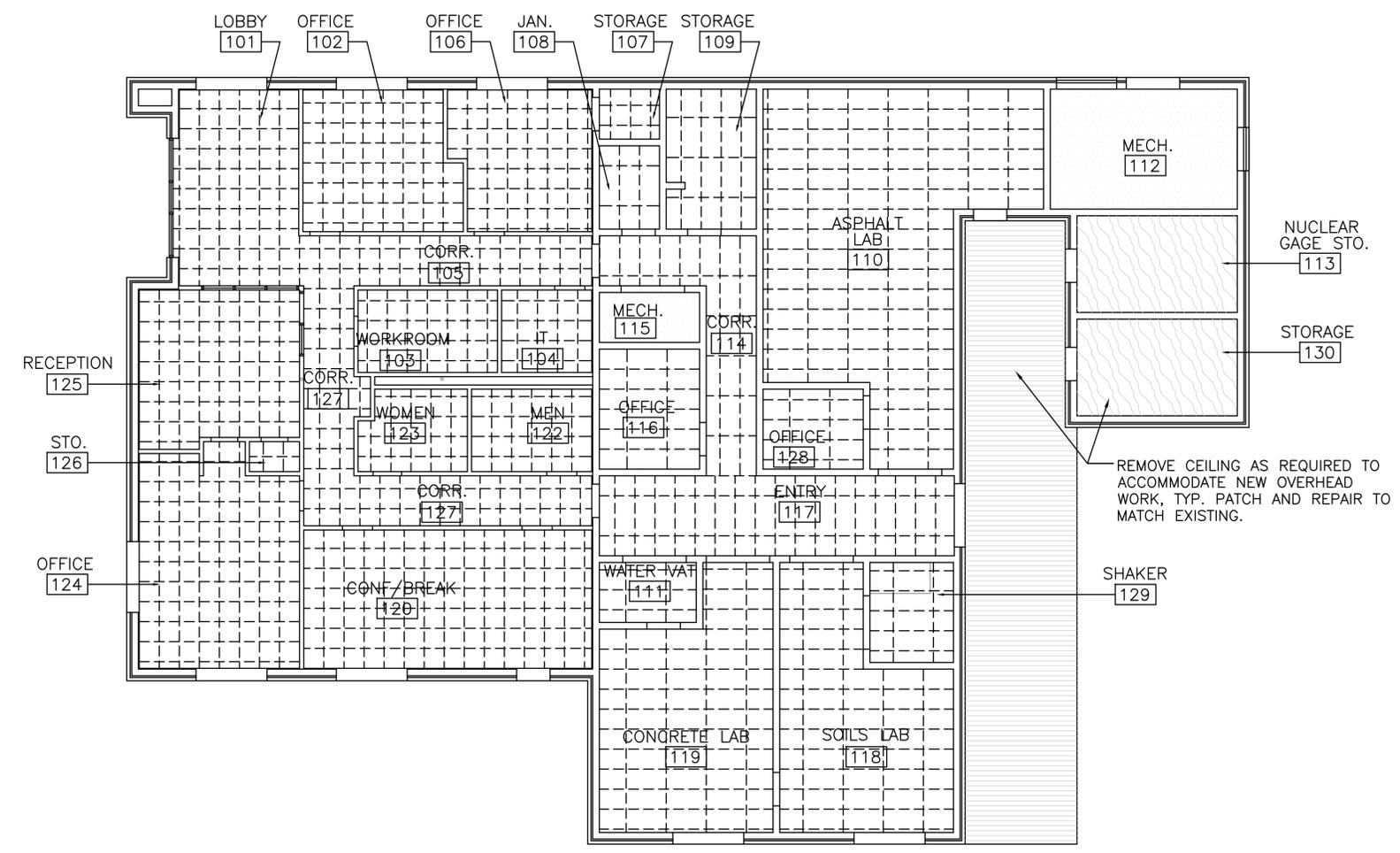


TITLE SHEET: 502964.DGN ARCHITECTURAL DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION 12/14/15

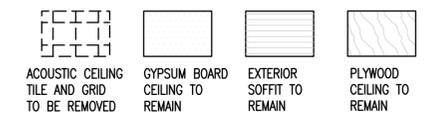


**GENERAL DEMOLITION NOTES:**

- ALL INFORMATION IS BASED ON OWNER SUPPLIED DOCUMENTS AND FIELD OBSERVATIONS AND MAY NOT REFLECT COMPLETELY ACTUAL FIELD CONDITIONS. UPON DISCOVERY OF ANY INCONSISTENCIES BETWEEN THE DRAWINGS DESCRIBING THE EXISTING CONDITIONS OR UNKNOWN CONDITIONS THAT ARE DETRIMENTAL TO THE COMPLETION OF THE WORK AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF THE CONDITION IN QUESTION BEFORE PROCEEDING WITH THE WORK IN THAT AREA.
- THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY IN WRITING IF ANY WORK DESCRIBED IN THE CONSTRUCTION DOCUMENTS CANNOT BE PERFORMED DUE TO EXISTING FIELD CONDITIONS.
- SALVAGE IS DEFINED AS CAREFULLY REMOVING AND RETAINING ITEMS FOR RE-USE OR TO BE RETURNED TO THE OWNER.
- THE EXISTING FACILITIES SHALL BE SURVEYED BY THE PROJECT ENGINEER, AND CONTRACTOR PRIOR TO DEMOLITION. MATERIALS AND FIXTURES TO BE SALVAGED AND STORED FOR RE-USE AND/OR RETURNED TO THE OWNER, SHALL BE TAGGED BY THE CONTRACTOR AS DIRECTED BY THE OWNER AND SHALL BE PROTECTED.
- ALL MAJOR MECHANICAL, PLUMBING AND ELECTRICAL ITEMS SHALL BE REMOVED BY THE RESPECTIVE TRADES. ALL ITEMS TO BE REMOVED ARE NOT NECESSARILY SHOWN ON THESE DOCUMENTS.
- REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR DEMOLITION OF UTILITIES, FIXTURES, AND DEVICES.
- SPECIAL CARE SHALL BE TAKEN AT THE INTERFACE BETWEEN DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN TO AVOID DAMAGE TO ANY SYSTEM TO REMAIN AND/OR BE RE-INSTALLED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE EXISTING SUBSTRATE CORRECTION IN ALL AREAS WHERE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT AND SERVICES ARE REMOVED AND/OR CAPPED.
- IF ANY EXISTING FIREPROOFING OR OTHER RATED ASSEMBLIES WHICH ARE INDICATED TO REMAIN ARE DAMAGED DURING DEMOLITION, THE CONTRACTOR SHALL REPAIR DAMAGE TO THE LEVEL OF THE ORIGINAL FIRE PROTECTION REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY, COORDINATE, SCHEDULE AND RECEIVE PRIOR PERMISSION FROM THE PROJECT ENGINEER IF ANY SHUTDOWN OF SERVICES IS NECESSARY TO COMPLETE THE WORK. NOTIFICATION SHALL INCLUDE THE TYPE OF SERVICE TO BE SHUT-DOWN, AREAS AFFECTED, REQUESTED SHUT-DOWN DATES AND LENGTH OF TIME SERVICE WILL BE DOWN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY.
- THE CONTRACTOR SHALL NOT CUT STRUCTURAL WORK IN A MANNER RESULTING IN A REDUCTION OF THE LOAD CARRYING CAPACITY OR LOAD / DEFLECTION RATIO. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF ALL STRUCTURAL CUTS PRIOR TO EXECUTION, SO THAT APPROVAL CAN BE OBTAINED FROM THE STRUCTURAL ENGINEER.
- THE EXISTING BUILDING ENVELOPE IS TO REMAIN WATERTIGHT AT ALL TIMES. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING FINISHES TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION. THIS INCLUDES CEILING FINISHES AND SUPPORTS, WALL COVERINGS AND FINISHES, FLOOR COVERINGS, ETC.
- PATCH AND REPAIR DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION BY OTHER TRADES TO ANY FINISHES INDICATED AS EXISTING TO REMAIN.
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY EGRESS FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGHOUT CONSTRUCTION.
- PREPARE ALL AREAS OF DEMOLITION TO RECEIVE NEW FINISHES, IE: SCRAPE CLEAN, PATCH, REPAIR SAND SMOOTH ALL EXISTING SURFACES.

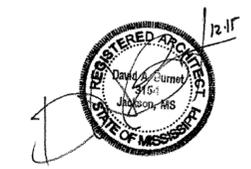
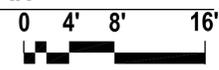


**SYMBOLS and DRAWING CONVENTIONS:**



REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DEMOLITION OF FIXTURES AND DEVICES.

**CEILING DEMOLITION PLAN**  
 SCALE: 1/8" = 1'-0" A.F.S. NORTH



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DISTRICT 7 MATERIALS LAB	
HVAC REPLACEMENT	
CEILING DEMOLITION PLAN	
COUNTY: PIKE	WORKING NUMBER D-1
Project Number: BWO-7125-57(002)	SHEET NUMBER 3
FILENAME: 15090D-1.DWG	
DESIGN TEAM_CDFL	CHECKED_DB
DATE: 12-28-2015	

ARCHITECTURAL SERVICES DIVISION  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

01/14/16 12:47:00 PM 15090A-1

**GENERAL CEILING NOTES:**

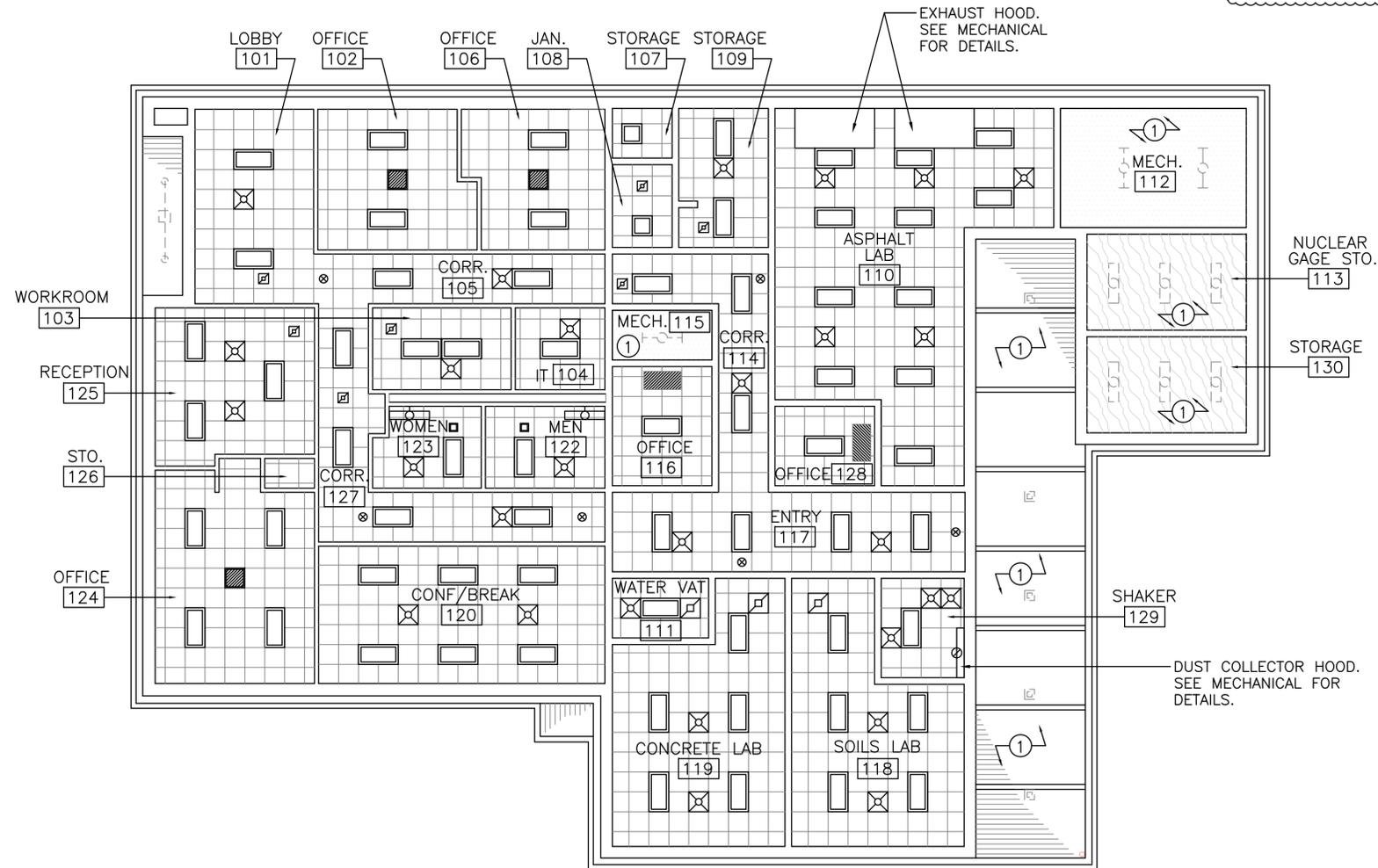
1. ALL CEILINGS ARE TO BE ACOUSTIC TILE (ACT) TYPE 1 UNLESS OTHERWISE NOTED.
2. CEILING HEIGHTS TO BE 9'-0", EXCEPT ROOMS 110, 111, 114, 117, 118, 119, AND 129 WHICH ARE TO BE 10'-0".
3. CONTRACTOR TO COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR ITEMS LOCATED IN CEILING NOT SHOWN ON THIS SHEET.
4. IF ACCESS PANELS ARE INDICATED OR REQUIRED, CONSULT ARCHITECT PRIOR TO PLACEMENT.
7. OBJECTS WHICH OCCUR ON OR IN LAY-IN CEILING TILES ARE TO BE LOCATED AT THE CENTER OF THE TILE, UNLESS OTHERWISE NOTED.
8. IN REFERENCE TO PLASTER OR GYPSUM BOARD CEILINGS; OBJECTS WHICH OCCUR BETWEEN TWO LIGHT FIXTURES ARE TO BE EQUALLY SPACED AND ALIGNED WITH THE CENTER OF LIGHT FIXTURES UNLESS OTHERWISE NOTED.
9. PATCH AND REPAIR DAMAGE TO ANY FINISHES SCHEDULED TO REMAIN. PREPARE AND PAINT TO MATCH EXISTING.

**CEILING KEY NOTES:**

- ① EXISTING FIXTURES IN DESIGNATED AREA TO REMAIN.

**SYMBOLS and DRAWING CONVENTIONS:**

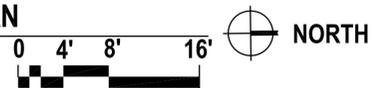
	ACOUSTIC CEILING TILE AND GRID W/ GYP BD ABOVE		EXIST GYP BD CEILING TO REMAIN		EXIST EXT SOFFIT TO REMAIN		EXIST PLYWD CEILING TO REMAIN
	LAY-IN LED FIXTURE		EXISTING SURFACE MTD FIXTURE TO REMAIN		EXISTING STRIP FIXTURE TO REMAIN		EXISTING RECESSED CAN FIXTURE TO REMAIN
	SURFACE LED FIXTURE		RECESSED CAN FIXTURE		WALL MOUNTED FIXTURE		EXIT SIGN / LIGHT
	LED STRIP FIXTURE		HVAC SUPPLY DIFFUSER		HVAC RETURN GRILLE		HVAC CLG RECESSED CASSETTE (CRC)
	EXHAUST GRILLE						



↑  
DELETED GENERAL NOTES #5 & #6 FROM PREVIOUS SUBMISSION

**REFLECTED CEILING PLAN**

SCALE: 1/8" = 1'-0" A.F.S.



PLAN	NO. 1	DATE	01/14/16	DESIGNED BY	DAVID A. BURNETT	CHECKED BY	DAVID A. BURNETT	DATE	12-28-2015
MISSISSIPPI DEPARTMENT OF TRANSPORTATION <b>DISTRICT 7 MATERIALS LAB</b> HVAC REPLACEMENT <b>REFLECTED CEILING PLAN</b>									
COUNTY: PIKE Project Number: BWO-7125-57(002)									
FILENAME: 15090A-1.DWG DESIGN TEAM_CDFL CHECKED_DB DATE:12-28-2015									
								WORKING NUMBER	A-1
								SHEET NUMBER	4



GENERAL NOTES- DEMOLITION

- A) IT IS THE INTENT OF THESE DEMOLITION DRAWINGS TO AID THE CONTRACTOR IN BIDDING THE PROJECT BY PROVIDING INFORMATION ABOUT HVAC EQUIPMENT, PIPING, AND ASSOCIATED MATERIALS AND THEIR REMOVAL. HOWEVER, CONTRACTOR SHALL VISIT SITE AND OBSERVE ALL EXISTING CONDITIONS RELATED TO THE WORK AND MAKE NECESSARY ADJUSTMENTS, TO FACILITATE DEMOLITION OF EXISTING AND INSTALLATION OF NEW SYSTEMS.
- B) MECHANICAL CONSTRUCTION SHALL INCLUDE ALL WORK REQUIRED FOR THE REMOVAL OF EXISTING MECHANICAL EQUIPMENT, PIPING, DUCTWORK, ETC. WHERE INDICATED OR REQUIRED TO FACILITATE NEW CONSTRUCTION. THE CONTRACTOR SHALL REMOVE FROM THE SITE ANY DUCTWORK, EQUIPMENT, VALVES, PIPING, MOTORS, CONTROLS, ETC. NOT REUSED. OWNER SHALL HAVE FIRST RIGHTS TO SALVAGED ITEMS.
- C) AIR DISTRIBUTION AND PIPING SYSTEMS, INCLUDING SIZES AND ROUTING, SHOWN DRAWINGS WERE TAKEN FROM EXISTING RECORD DRAWINGS AND UPDATED BY ONSITE INVESTIGATION.
- D) EXISTING PIPING AND DUCTWORK TO BE ABANDONED AND TAKEN OUT OF SERVICE (AS INDICATED) SHALL BE CAPPED OR PLUGGED SO THAT IT WILL BE CONCEALED IN THE WALLS, FLOORS AND/OR ABOVE CEILINGS.
- E) WHERE NEW PIPING SYSTEMS ARE SHOWN TO REPLACE EXISTING PIPING SYSTEMS, THE EXISTING PIPING SHALL BE REMOVED TO PERMIT THE INSTALLATION OF THE NEW SYSTEMS. NEW PIPING SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS BETWEEN THE CONNECTION TO EXISTING AND NEW EQUIPMENT. ALL EXISTING PIPING, VALVES, HANGERS, ETC THAT IS TO BE DEMOLISHED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- F) IT IS THE MECHANICAL CONTRACTORS RESPONSIBILITY TO COORDINATE CONSTRUCTION WORK WITH GENERAL CONTRACTOR AND OTHER TRADES ON SITE. WORK PERFORMED UNDER THIS PROJECT SHALL NOT DISRUPT OR INTERFERE WITH OPERATION OF REST OF BUILDING. ANY TEMPORARY UTILITY, DUCT, ETC. CONNECTIONS NECESSARY TO MAINTAIN SERVICES ARE THE MECHANICAL CONTRACTOR'S RESPONSIBILITY.
- G) SEE ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION INFORMATION.
- H) WHERE EQUIPMENT, PIPING, SUPPORTS, ETC. ARE REMOVED, ALL OPENINGS AND HOLES IN WALLS, CEILINGS, AND FLOORS SHALL BE PATCHED AND FINISHED, UNDER DIRECTION OF PROJECT ARCHITECT/ENGINEER.
- I) NO EXISTING STRUCTURAL MEMBERS ARE TO BE CUT OR PENETRATED WITHOUT SPECIFIC AUTHORIZATION BY ARCHITECT. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION. WHERE POSSIBLE, ROOF AND EXTERIOR WALL PENETRATIONS ARE TO BE MADE THROUGH EXISTING OPENINGS LEFT BY DEMOLISHED PIPING. ALL REMAINING OPENINGS AND HOLES IN WALLS, CEILING, AND FLOORS SHALL BE PATCHED AND FINISHED UNDER DIRECTION OF PROJECT ARCHITECT/ENGINEER.
- J) EXISTING PIPING AND DUCTWORK TO BE ABANDONED AND TAKEN OUT OF SERVICE (AS INDICATED) SHALL BE CAPPED OR PLUGGED SO THAT IT WILL BE CONCEALED IN THE WALLS, FLOORS AND/OR ABOVE CEILINGS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ROOF OPENINGS WHERE FANS OR RTU ARE REMOVED. ROOFING CONTRACTOR USED MUST BE APPROVED BY COMPANY THAT HOLDS CURRENT ROOF WARRANTY.
- K) PATCH EXISTING WALLS WHERE EXISTING DUCTWORK, FIRE DAMPERS AND SMOKE DAMPERS ARE REMOVED AND NEW DUCTWORK, FIRE DAMPERS, OR SMOKE DAMPERS ARE NOT INSTALLED. PROVIDE METAL STUD FRAMING, GYPSUM BOARD CONSTRUCTION. TAPE, FLOAT, AND FINISH WALL AS REQUIRED TO MAINTAIN ADJACENT WALL ASSEMBLY.
- L) MAINTAIN THE EXISTING WALL CONSTRUCTION INCLUDING FIRE RATINGS WHERE WORK IS PERFORMED.

GENERAL NOTES - NEW CONSTRUCTION

- A) ALL DUCTWORK AND PIPING ASSOCIATED WITH MECHANICAL (HVAC) SYSTEMS SHALL BE INSTALLED AND SECURED PER APPLICABLE BUILDING CODES ABOVE CEILINGS OR IN FURRED CHASES. PROVIDE ACCESS PANELS FOR ALL MECHANICAL EQUIPMENT INSTALLED ABOVE HARD CEILINGS OR IN FURRED CHASES REQUIRING ACCESS, SUCH AS FIRE DAMPERS, VOLUME DAMPERS, PIPING, VALVES, ETC.
- B) MECHANICAL CONTRACTOR SHALL COORDINATE AIR DISTRIBUTION DEVICE LAYOUT WITH ARCHITECTURAL REFLECTED CEILING PLANS. LIGHT FIXTURE LOCATIONS SHOWN ON ELECTRICAL DRAWINGS TAKE PRIORITY OVER AIR DISTRIBUTION DEVICE LOCATIONS.
- C) MECHANICAL CONTRACTOR SHALL INSTALL VOLUME DAMPERS IN ALL BRANCH DUCTS TO SUPPLY, RETURN, OR EXHAUST GRILLES. VOLUME DAMPERS SHALL BE LOCATED FOR ACCESS FROM LAT CEILING OR ACCESS PANELS. ALL VOLUME DAMPERS TO BE MARKED WITH FLAGGING TAPE.
- D) FLEXIBLE DUCT RUNOUTS TO SUPPLY DIFFUSERS SHALL NOT EXCEED 5'-0" IN LENGTH, AND SHALL BE INSTALLED ONLY ON SUPPLY AIR. NO FLEX WILL BE ALLOWED ON RETURN OR EXHAUST SYSTEMS. FOR ALL DUCT SYSTEMS, TAPS OFF MAIN TRUNK DUCTS SHALL BE CUT INTO THE SIDES OR BOTTOM OF DUCT ONLY.
- E) SEE SPECIFICATION FOR DUCT LEAK TESTING REQUIREMENTS. FOR ALL DUCT SYSTEMS THAT REQUIRE TESTING, ALL COMPONENTS IN THE MAIN DUCT (FITTINGS, FIRE DAMPERS, SMOKE DAMPERS, BRANCH TAPS, ETC.) MUST BE INSTALLED PRIOR TO TESTING. THE CONTRACTOR MUST GIVEN ADEQUATE ADVANCE NOTICE OF THE TESTING TO THE PROJECT ENGINEER.
- F) PROVIDE AND INSTALL FIRE DAMPERS IN ALL DUCTWORK THAT PENETRATE FIRE RATED WALLS OR FLOORS. REFER TO ALL APPLICABLE BUILDING CODES AND SPECIFICATIONS PERTAINING TO THIS PROJECT. INSTALL DAMPERS PER MANUFACTURER'S RECOMMENDATION.
- G) FIRE STOP ALL PIPES AND DUCTS THAT PENETRATE RATED WALLS, FLOORS, AND CEILINGS. REFER TO BUILDING CODES AND SPECIFICATIONS FOR APPROVED FIRE PROOFING MATERIALS AND METHODS.
- H) SEE LIFE SAFETY PLANS FOR REQUIRED RATING OF FIRE DAMPERS.
- I) PROVIDE ACCESS PANELS FOR ALL FIRE AND SMOKE DAMPERS.
- J) REFER TO MECHANICAL DETAILS FOR TYPICAL INSTALLATION OF HVAC EQUIPMENT.
- K) MECHANICAL CONTRACTOR TO COORDINATE ALL ROOF, WALL, AND FLOOR PENETRATIONS WITH GENERAL WORKS CONTRACTOR.
- L) PROVIDE AND INSTALL AUTOMATIC HIGH CAPACITY AIR VENTS AT HIGH POINTS FOR ALL HYDRONIC PIPING SYSTEMS. PROVIDE AND INSTALL MANUAL DRAINS AT LOW POINTS FOR ALL HYDRONIC PIPING SYSTEMS.

MECHANICAL LEGEND

DRAIN PIPING	D	BALL VALVE	
STORM DRAIN	SD	GATE VALVE	
FIRE PROTECTION LINE	F	GLOBE VALVE	
CHILLED WATER SUPPLY	CHWS	BUTTERFLY VALVE	
CHILLED WATER RETURN	CHWR	CHECK VALVE	
HEATING WATER SUPPLY	HWS	BALANCING VALVE	
HEATING WATER RETURN	HWR	2-WAY CONTROL VALVE	
TEMPERATURE SENSOR	T	3-WAY CONTROL VALVE	
HUMIDITY SENSOR	H	PRESSURE REDUCING VALVE	
CO2 SAMPLE PORT	C	RELIEF VALVE	
BUILDING MANAGEMENT SYSTEM	BMS	GAS COCK	
SPLITTER DAMPER		FLOW MEASURING DEVICE	
VOLUME DAMPER		MANUAL AIR VENT	
MOTORIZED DAMPER	M	GAGE COCK	
FIRE DAMPER or SMOKE DAMPER	FD or SD	WYE STRAINER	
BRANCH TAP FITTING		UNION	
TURNING VANES		THERMOMETER	
GRILLE MARK / CFM QUANTITY	B 300	THERMOMETER WELL	
SUPPLY DUCT SECTION		GAUGE	
RETURN DUCT SECTION		CONNECT TO EXISTING	
OUTSIDE VENTILATION AIR DUCT SECTION		LIMIT OF DEMOLITION	
ROUND DUCT SIZE, INCHES	12"	ELBOW TURNING DOWN	
RECTANGULAR DUCT SIZE, INCHES	12x12"	ELBOW TURNING UP	
OVAL DUCT SIZE, INCHES	12/12"	DIRECTION OF FLOW	
ELBOW UP (SUPPLY)		FUEL OIL SUPPLY	FOS
ELBOW DOWN (SUPPLY)		FUEL OIL RETURN	FOR
NEW EQUIPMENT			

STATE	PROJECT NO.
MISS.	BWO-7125-57(002)

ARCHITECTURAL SERVICES DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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DUCT SEALING AND TESTING TABLE

DUCT LOCATION	POSITIVE (P) OR NEGATIVE (N) PRESSURE	MIN PRESS CLASS/TEST PRESS (IN WG)	DUCT SEALING LEVEL
FROM OUTSIDE AIR INTAKE TO AHU CONNECTION	N	---	A
SUPPLY AND RETURN DUCT	P	---	A
FROM GENERAL EXHAUST OPENINGS TO EXHAUST DUCT TERMINATION	N	2	A

DUCT SEALING DEFINITIONS:

LEVEL A: ALL TRAVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS. PRESSURE-SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT.

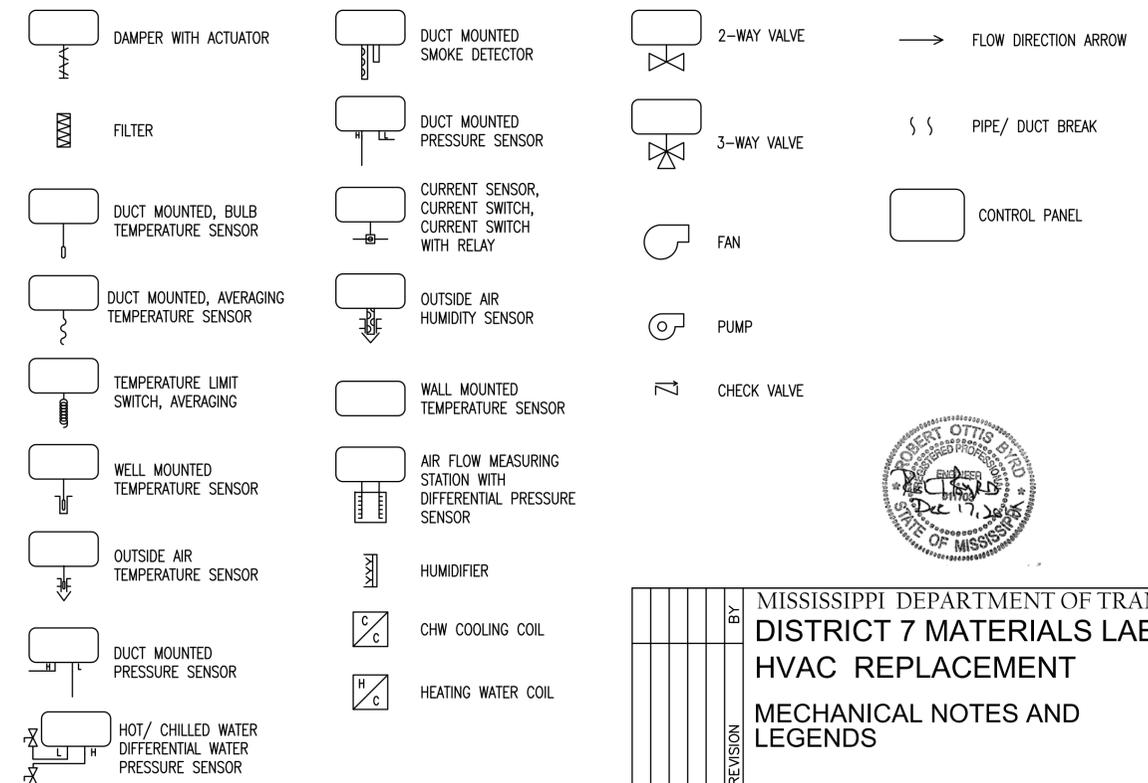
LEVEL B: ALL TRAVERSE JOINTS AND LONGITUDINAL SEAMS. PRESSURE-SENSITIVE TAPE SHALL NOT BE USED AS THE PRIMARY SEALANT.

LEVEL C: TRAVERSE JOINTS ONLY.

GENERAL: LONGITUDINAL SEAMS ARE JOINTS ORIENTED IN THE DIRECTION OF AIRFLOW. TRAVERSE JOINTS ARE CONNECTIONS OF TWO DUCT SECTIONS ORIENTED PERPENDICULAR TO AIRFLOW. DUCT WALL PENETRATIONS ARE OPENINGS MADE BY ANY SCREW FASTENER, PIPE, ROD, OR WIRE. SPIRAL LOCK SEAMS IN A ROUND AND FLAT OVAL DUCT NEED NOT BE SEALED. ALL OTHER CONNECTIONS ARE CONSIDERED TRAVERSE JOINTS, INCLUDING BUT NOT LIMITED TO SPIN-INS, CONICAL TAPS, OTHER BRANCH CONNECTIONS, ACCESS DOOR FRAMES AND JAMBS, DUCT CONNECTIONS TO EQUIPMENT, FIRE DAMPERS, SMOKE DAMPERS, ETC.

NOTES:

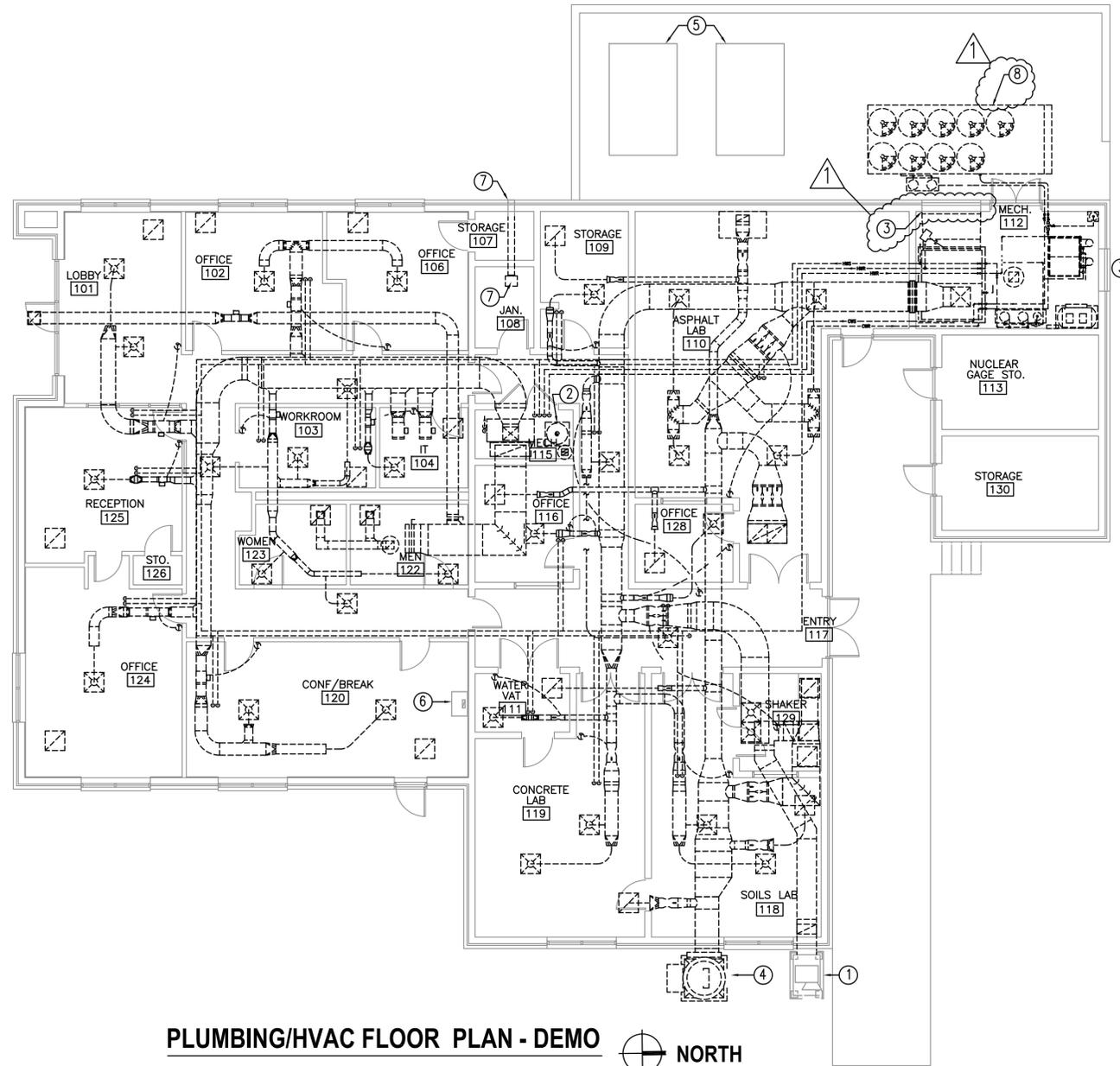
- 1) SEE SPEC FOR DUCT LEAK TESTING REQUIREMENTS. UNLESS NOTED OTHERWISE, ALL DUCT TO BE TESTED.
- 2) ALL DUCT SYSTEMS REQUIRING LEAK TESTING TO BE TESTED UNDER POSITIVE PRESSURE EVEN FOR SYSTEMS THAT WILL OPERATE UNDER NEGATIVE PRESSURE.



CONTROLS LEGEND



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DISTRICT 7 MATERIALS LAB	
HVAC REPLACEMENT	
MECHANICAL NOTES AND LEGENDS	
COUNTY: PIKE	WORKING NUMBER
Project Number: BWO-7125-57(002)	M-1
FILENAME: 15090M-1.DWG	SHEET NUMBER
DESIGN TEAM_CDFL	5
CHECKED_RB	
DATE: 12-28-2015	



**PLUMBING/HVAC FLOOR PLAN - DEMO**  
 SCALE: 1/8" = 1'-0" A.F.S.



GENERAL NOTES:

- A) UNLESS OTHERWISE NOTED, ALL EXISTING DOMESTIC WATER PIPING TO REMAIN IN PLACE.
- B) WHERE REMOVAL OF DUCTWORK, PIPING, ETC. LEAVES OPENING IN EXTERIOR WALLS, TEMPORARILY COVER OPENING FOR INSTALLATION OF NEW DUCTWORK, PIPING, ETC.
- C) UNLESS OTHERWISE NOTED, REMOVE ALL EXISTING DUCTWORK, AIR DISTRIBUTION DEVICES, PNEUMATIC TUBING, CONTROL WIRING, HVAC EQUIPMENT, ETC.
- D) WHERE NATURAL GAS PIPE CONNECTIONS ARE TO BE ABANDONED, REMOVE PIPE BACK TO 6" FROM MAIN AND INSTALL GAS COCK AND CAP.
- E) WHERE REFRIGERANT PIPES ARE TO BE REMOVED, DRAINING AND CAPTURING OF REFRIGERANT IS TO BE DONE PER ENVIRONMENTAL PROTECTION AGENCY'S REQUIREMENTS.

PLAN NOTES:

- ① EXISTING DUST COLLECTOR TO REMAIN.
- ② REMOVE EXISTING WATER HEATER AND ASSOCIATED EQUIPMENT. EXISTING DOMESTIC WATER PIPE TO/FROM WATER HEATER TO REMAIN IN PLACE FOR CONNECTION TO NEW WATER HEATER. REMOVE COMBUSTION AIR/EXHAUST VENT THROUGH ROOF. PATCH ROOF PER ARCH SPECS.
- ③ EXISTING LOUVER TO REMAIN.
- ④ REMOVE EXISTING EXHAUST FAN AND CONCRETE EQUIPMENT PAD.
- ⑤ EXISTING CONDENSING UNITS SERVING NEIGHBORING ADMIN. BUILDING. UNITS TO REMAIN UNDISTURBED AND IN SERVICE THROUGHOUT DURATION OF PROJECT.
- ⑥ EXISTING KITCHEN HOOD TO REMAIN.
- ⑦ REMOVE EXISTING EXHAUST FAN AND DUCT TO POINT INDICATED. EXISTING BRICK VENT TO REMAIN.
- ⑧ REMOVE EXISTING CHILLER, PUMPS, ASSOCIATED PIPING, ETC.

ARCHITECTURAL SERVICES DIVISION  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

01/14/16 12:47:00 PM 15090M-2



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>DISTRICT 7 MATERIALS LAB</b>	
<b>HVAC REPLACEMENT</b>	
<b>PLUMBING/HVAC FLOOR PLAN - DEMOLITION</b>	
COUNTY: PIKE	WORKING NUMBER
Project Number: BWO-7125-57(002)	M-2
FILENAME: 15090M-2.DWG	SHEET NUMBER
DESIGN TEAM_CDFL	6
CHECKED_RB	
DATE: 12-28-2015	

