

STATE	PROJECT NO.	SHEET NO.
MISS.	BWO-5174-50(002)	1

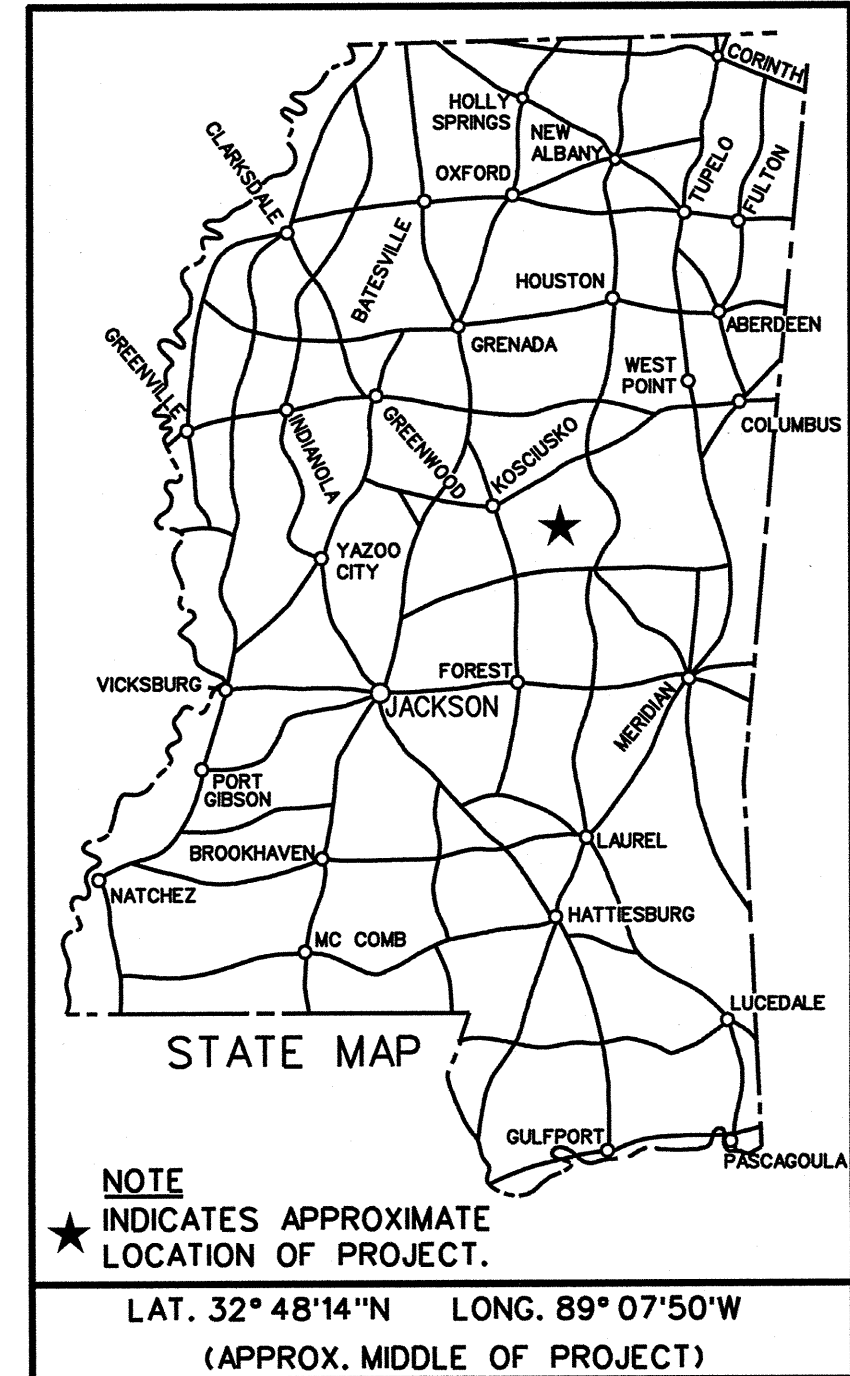
STATE OF MISSISSIPPI
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

PHILADELPHIA PROJECT OFFICE HVAC AND LIGHTING RENOVATION
STATE PROJECT NO. BWO-5174-50(002)

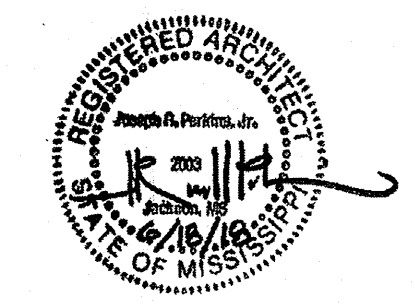
NESSHOBA COUNTY

CONSTRUCTION FMS NOS.
503123 /301000

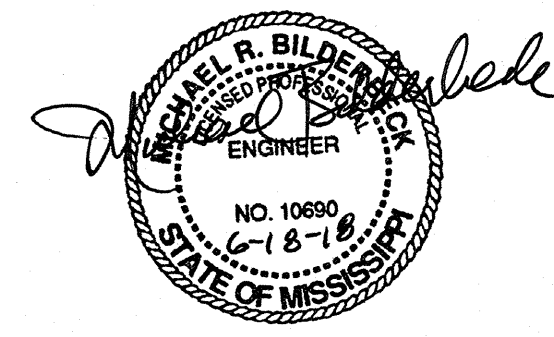


PROJECT SITE

1115 Highway 15 Bypass,
Philadelphia, MS 39350



ARCHITECTURAL



MECH/PLUMBING



ELECTRICAL

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS		
	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"/>
STORMWATER PERMIT <input type="checkbox"/>		
Y	REQUIRED, SCNOI 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: _____		

P S & E DATE: 2018-06-18

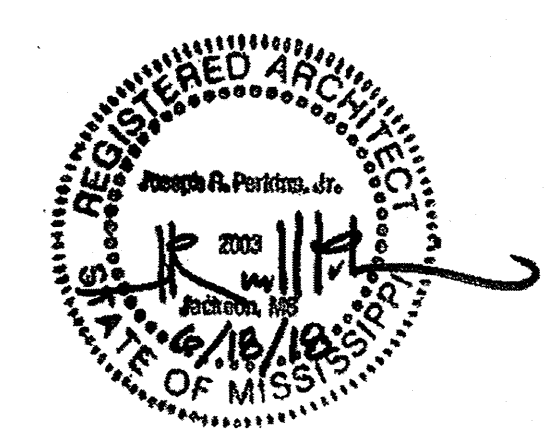
APPROVED:
DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER
EXECUTIVE DIRECTOR



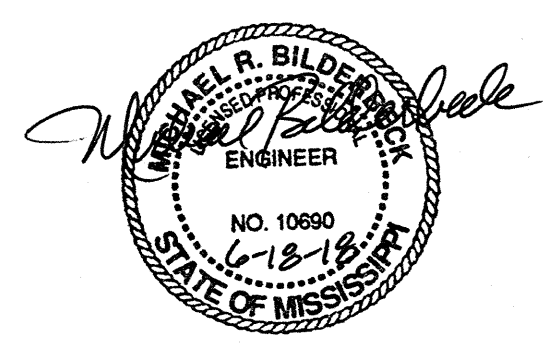
TITLE SERVICES DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1 INDEX OF DRAWINGS		
Working No.	Sheet No.	Sheet Name
	1	TITLE SHEET
T101	2	INDEX OF DRAWINGS & LEGEND
A101	3	DEMOLITION PLAN
A201	4	FINSH FLOOR PLAN
P130	5	PLUMBING FLOOR PLAN
M0.1	6	HVAC SCHEDULES, GENERAL NOTES AND LEGEND
M120	7	HVAC DEMOLITION FLOOR PLAN
M130	8	HVAC RENOVATION FLOOR PLAN
E001	9	ELECTRICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES
E101	10	LIGHTING DEMOLITION PLAN - ADMINISTRATION BUILDING
E102	11	LIGHTING PLAN - ADMINISTRATION BUILDING
E201	12	POWER DEMOLITION PLAN - ADMINISTRATION BUILDING
E202	13	POWER PLAN - ADMINISTRATION BUILDING
E501	14	ELECTRICAL DETAILS

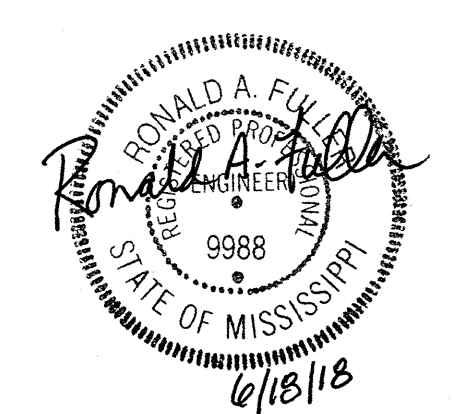
- ROOM 123 ROOM NUMBER
- PARTITION WALL TYPE
- DOOR AND FRAME NUMBER
- 333 WINDOW
- NUMBER/LETTER COLUMN GRID
- REVISIONS
- GENERAL CONSTRUCTION
- 3 LEGEND
T102



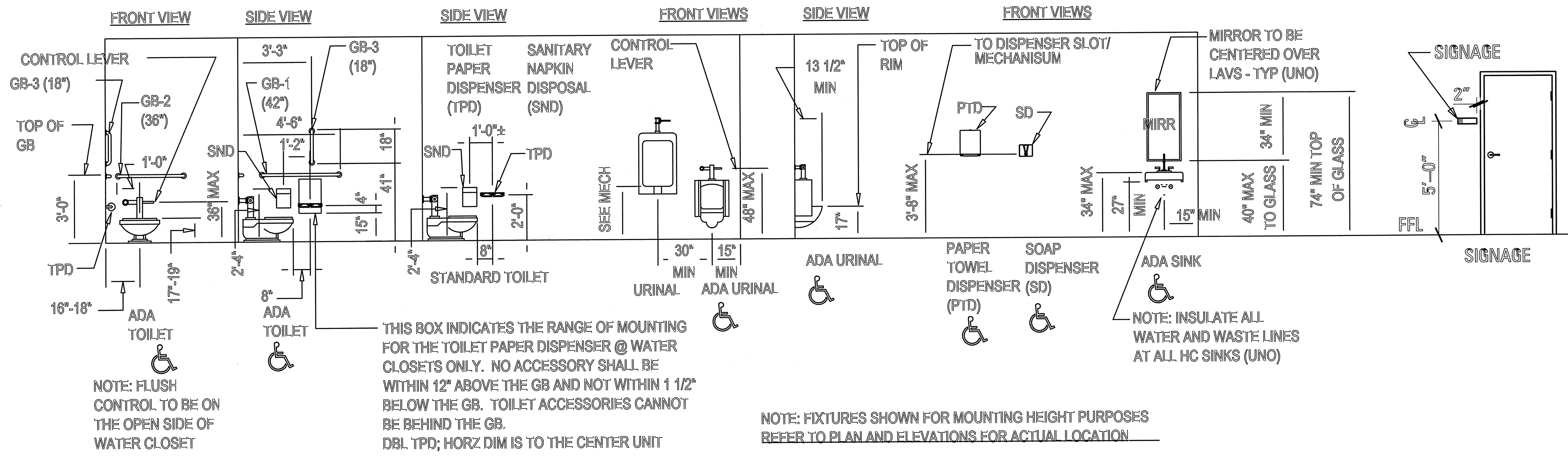
ARCHITECTURAL



MECH/PLUMBING



ELECTRICAL



PS & E PLANS-DATE...2018-06-18		
FMS CON. • 503123/301000		
REVISIONS		
DATE	SHEET NO.	BY

2 TYPICALS
T102 3/8"=1'-0"

REVISION	BY	DATE	MISSISSIPPI DEPARTMENT OF TRANSPORTATION PHILADELPHIA PROJECT OFFICE HVAC & LIGHTING RENOVATION INDEX OF DRAWINGS & LEGEND Project Number: BWO-5174-50(002) COUNTY: NESHOBA FILENAME: Index-Ledgers DESIGN TEAM ASU CHECKED ASU DATE: 2018-06-18	
			WORKING NUMBER T101	
			SHEET NUMBER 2	

2018-06-05 09:08 AM PM DGNFT.LENGKE MISSISSIPPI DEPARTMENT OF TRANSPORTATION




DEMOLITION NOTES:

(DEMOLITION PLAN AND NOTES ARE FOR GENERAL REFERENCE AND DIRECTION. IT IS ADVISED THAT CONTRACTOR VISIT SITE BEFORE BID TO BEST PRICE DEMOLITION COSTS.)

1. REMOVE TOILET PARTITIONS AND DOORS
2. REMOVE URINALS AND RELATED EXPOSED PLUMBING
3. REMOVE TOILETS AND RELATED EXPOSED PLUMBING
4. REMOVE LAVATORIES AND RELATED EXPOSED PLUMBING
5. REMOVE TOILET ACCESSORIES
6. REMOVE CERAMIC TILE FLOOR & WALLS (TOILETS, RECEPT.)
7. REMOVE ACOUSTICAL CEILING AND GRID
8. REMOVE AND STORE DRINKING FOUNTAIN. REINSTALL AFTER PAINTING IS COMPLETE.
9. REMOVE EXISTING BULLETIN BOARD CABINET RM127
10. REMOVE EXISTING REFRID., RANGE, MICROWAVE AND DELIVER TO OWNER.
11. REMOVE EXISTING WINDOW BLINDS
12. REMOVE WALLPAPER RM103, RM100, RM102
13. REMOVE RUBBER BASE
14. REMOVE EXISTING CARPET
15. REMOVE EXISTING OUTLET COVERS AND DEVICES SUCH AS THERMOSTATS, FIRE ALARM, ETC., BEFORE PAINTING. REINSTALL AFTER PAINTING IS COMPLETE.
16. REMOVE SIGNAGE, STORE, AND REINSTALL AFTER PAINTING IS COMPLETE.
18. REMOVE EXISTING CORNER GUARDS
19. REMOVE SINKS AND RELATED EXPOSED PLUMBING IN ROOMS 125 AND 127
20. REMOVE COUNTERTOPS FROM ALL EXISTING MILLWORK AND BASE CABINETS.

1
A101
DEMOLITION PLAN
3/16" = 1"



BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION PHILADELPHIA PROJECT OFFICE HVAC & LIGHTING RENOVATION		 WORKING NUMBER A101
REVISION		DEMOLITION PLAN		
DATE		Project Number: .BWO-5174-50(002)		SHEET NUMBER 3
DESIGN TEAM		COUNTY: NESHOBA		
CHECKED		FILENAME: DemoPlan		
ASU		DATE: 2018-06-18		

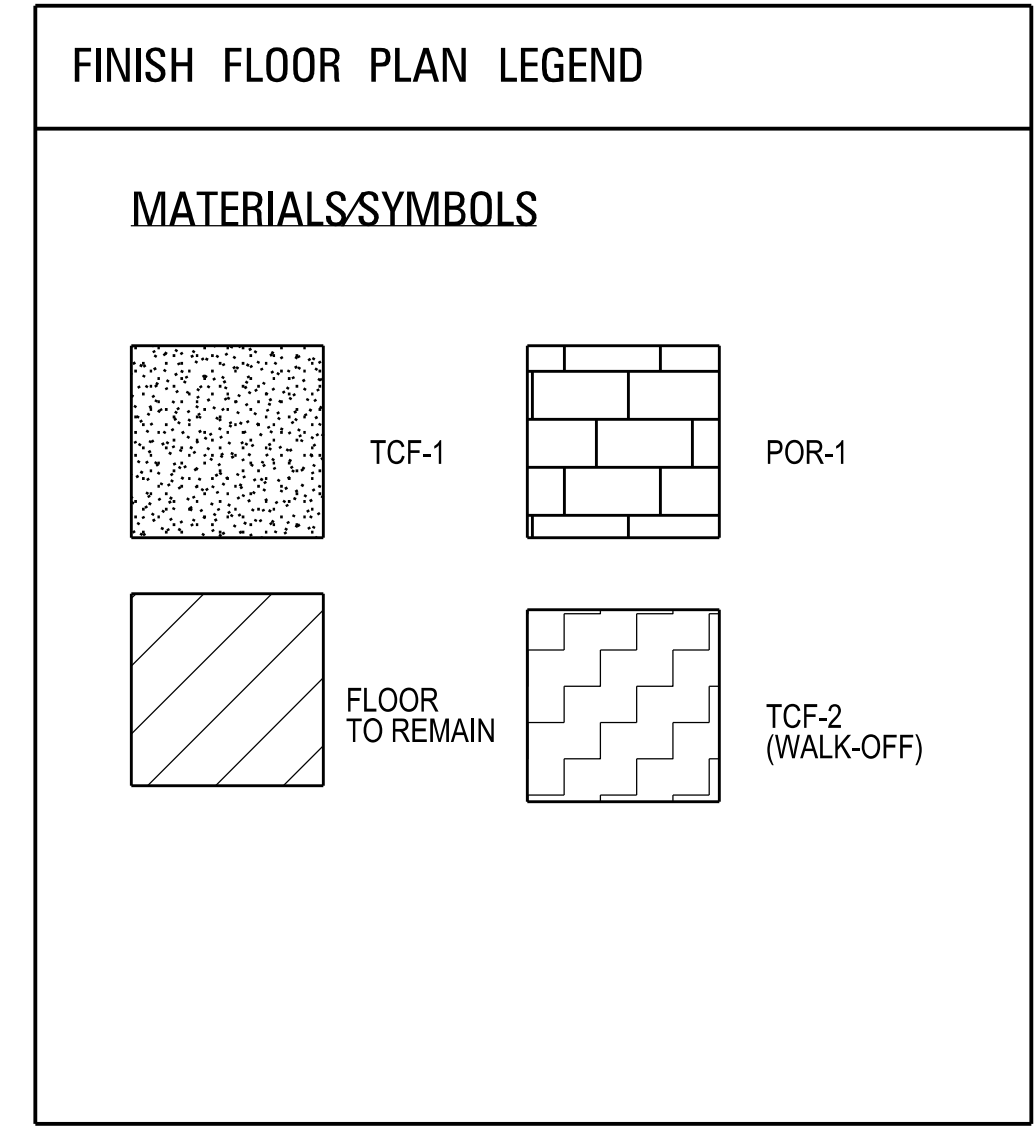
2018-06-05 09:05 AM PM DGNFT L ENAME ARCHITECTURAL SERVICES DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



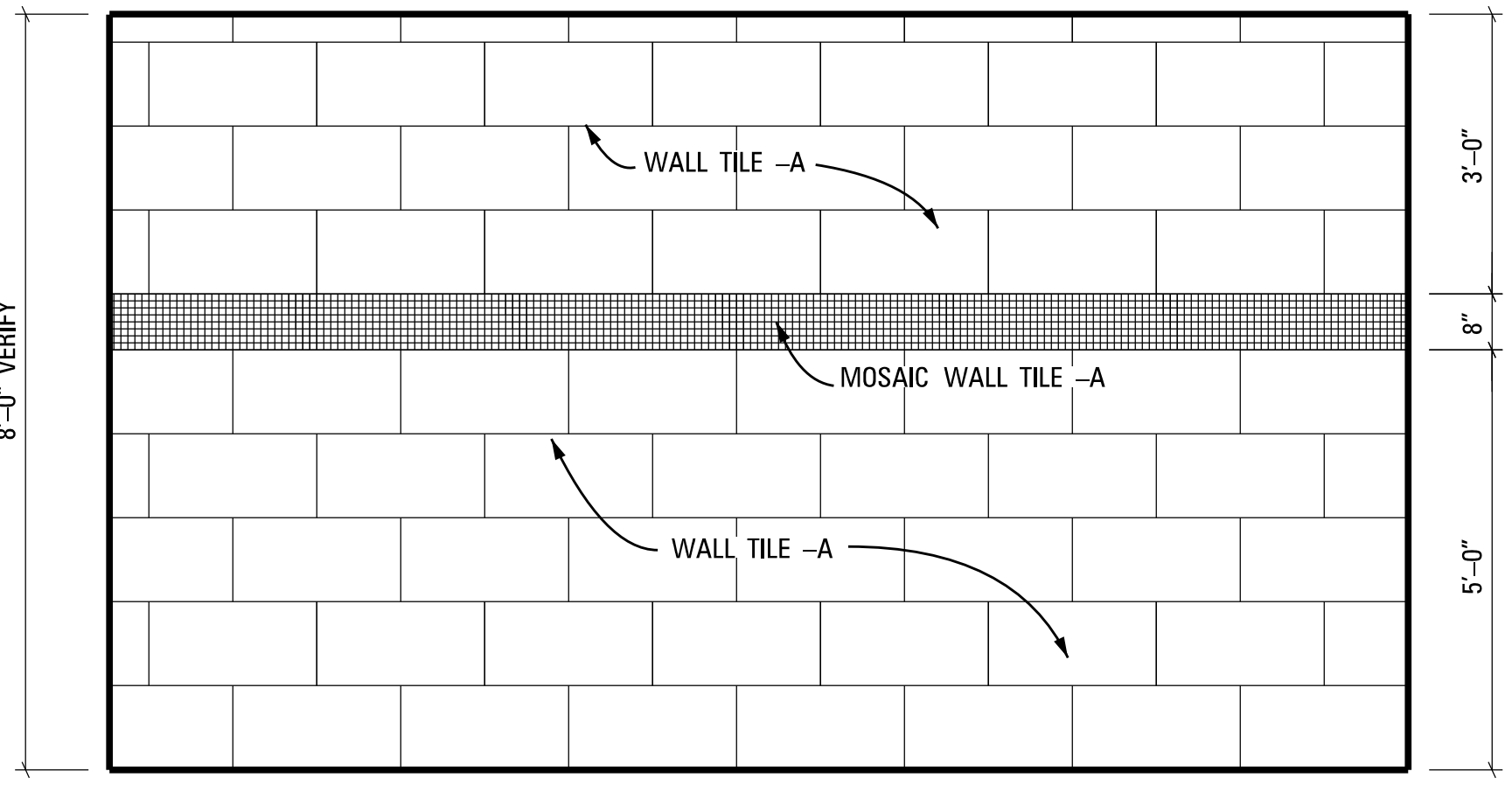
FINISH NOTES:

(FINISH PLAN AND NOTE ARE FOR GENERAL REFERENCE AND DIRECTION. IT IS ADVISED THAT CONTRACTOR VISIT SITE BEFORE BID TO BEST PRICE FINISH COSTS.)

1. PREP AND PAINT ALL EXPOSED SURFACES
2. PREP VCT TO RECEIVE NEW TEXTILE COMPOSITE FLOORING.
3. INSTALL NEW CEMENT BOARD AT WALLS TO RECIEVE CERAMIC TILES. (TOILET ROOMS)
4. INSTALL CERAMIC WALL AND FLOOR TILES IN TOILET ROOMS.
5. INSTALL NEW FORMICA CLAD COUNTERTOPS WITH T-MOLD EDGE.
6. INSTALL NEW TOILET PARTITIONS AND ACCESSORIES AFTER NEW TOILET FIXTURES HAVE BEEN INSTALLED.
7. PAINT FORMICA WINDOW SILLS AT RECEPTION 100 AND SECRETARY OFFICES 102 AND 103
8. INSTALL NEW FLOORING AS SHOWN ON PLAN.
9. INSTALL NEW ACOUSTICAL PANEL CEILING SYSTEM. COORDINATE WITH ELECTRICAL AND MECHANICAL.
10. INSTALL NEW CORNER GUARDS.
11. INSTALL NEW KITCHEN APPLIANCES (REFRIG., RANGE, AND MICROWAVE)
12. INSTALL NEW WINDOW BLINDS
13. INSTALL NEW SINKS, SAME SIZE AS EXISTING, AT ROOMS 125 AND 127. REFER TO PLUMBING FOR MORE INFORMAION.
15. INSTALL NEW RUBBER BASE IN ALL SPACES.



1 FINISH FLOOR PLAN
A201 3/16" = 1'0"



2 RESTROOM WALL TILE
A201 1/2" = 1'0"

GENERAL NOTES:

1. VERIFY EXACT FINISHES WITH PROJECT ENGINEER BEFORE INSTALLATION AND/OR APPLICATION.
2. REFER TO SPECIFICATIONS FOR MORE DETAIL INFORMATION ON FINISH MATERIALS TO BE PROVIDE IN CONTRACT.

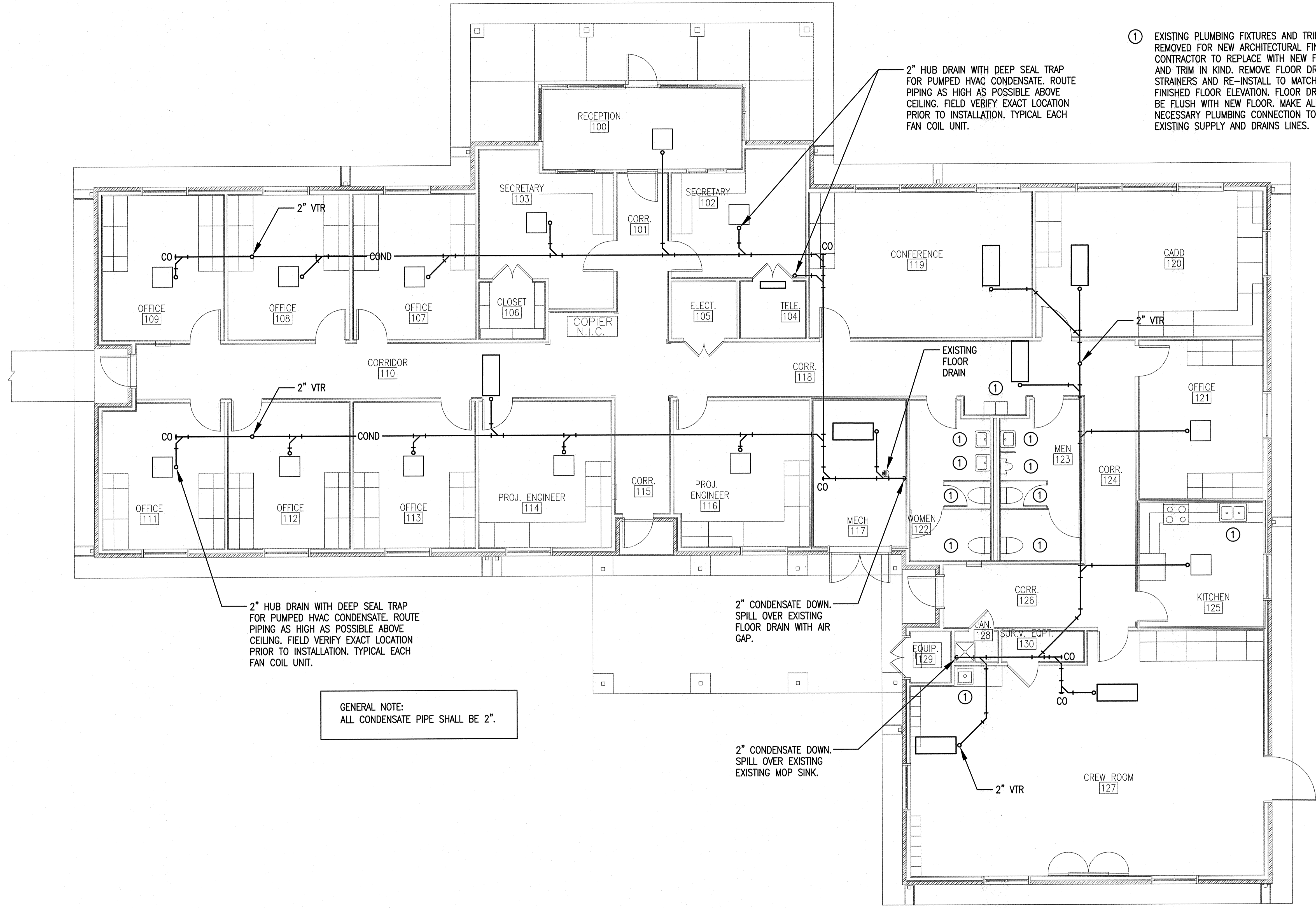


MISSISSIPPI DEPARTMENT OF TRANSPORTATION PHILADELPHIA PROJECT OFFICE HAVO & LIGHTING RENOVATION FINISH FLOOR PLAN		
Project Number: BWO-5174-50(002) COUNTY: NESHOPA		
REVISION BY DATE	FILENAME: FirFinishPlan DESIGN TEAM ASU CHECKED ASU DATE: 2018-06-18	WORKING NUMBER A201 SHEET NUMBER 4

2018-06-05 09:09 AM PM EDGNET LLENAGNE ARCHITECTURAL SERVICES DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

FOR PRINT SCALE VERIFICATION, THIS LINE IS 4" LONG

STATE	PROJECT NO.
MISS	BWO-5174-50(002)



① EXISTING PLUMBING FIXTURES AND TRIM TO BE REMOVED FOR NEW ARCHITECTURAL FINISHES. CONTRACTOR TO REPLACE WITH NEW FIXTURES AND TRIM IN KIND. REMOVE FLOOR DRAIN STRAINERS AND RE-INSTALL TO MATCH FINISHED FLOOR ELEVATION. FLOOR DRAINS TO BE FLUSH WITH NEW FLOOR. MAKE ALL NECESSARY PLUMBING CONNECTION TO EXISTING SUPPLY AND DRAINS LINES.

GENERAL PLUMBING NOTES

- EVERYTHING NECESSARY FOR A COMPLETE, SAFE AND SATISFACTORY INSTALLATION, INCLUDING ALL NECESSARY PARTS, DEVICES, ACCESSORIES, ETC., REQUIRED, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. ALL WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT A NEAT AND MECHANICAL APPEARANCE.
- FOR PURPOSES OF CLEARNESS AND LEGIBILITY, DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC, AND, ALTHOUGH SIZE AND LOCATION OF EQUIPMENT ARE DRAWN TO SCALE WHERE POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND SHALL VERIFY THIS INFORMATION AT BUILDING SITE.
- THE DRAWINGS INDICATE REQUIRED SIZE AND POINTS OF TERMINATION OF PIPES AND SUGGEST PROPER ROUTES OF PIPE TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS AND PRESERVE CLEARANCES. HOWEVER, IT IS NOT INTENDED THAT DRAWINGS INDICATE ALL NECESSARY OFFSETS, AND IT SHALL BE THE WORK OF THE CONTRACTOR TO INSTALL PIPING IN SUCH A MANNER AS TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER INSTRUCTION OR COST TO THE OWNER.
- IT IS INTENDED THAT ALL APPARATUS BE LOCATED SYMMETRICAL WITH ARCHITECTURAL ELEMENTS, AND SHALL BE INSTALLED AT EXACT HEIGHT AND LOCATIONS AS SHOWN ON THE ARCHITECTURAL DRAWINGS.
- THE CONTRACTOR SHALL FULLY INFORM HIMSELF REGARDING ANY AND ALL PECULIARITIES AND LIMITATIONS OF THE SPACE AVAILABLE FOR THE INSTALLATION OF ALL WORK AND MATERIALS FURNISHED AND INSTALLED UNDER THE CONTRACT. HE SHALL EXERCISE DUE AND PARTICULAR CAUTION TO DETERMINE THAT ALL PARTS OF HIS WORK ARE MADE QUICKLY AND EASILY ACCESSIBLE.
- THE CONTRACTOR SHALL BE GUIDED BY THE CONDITIONS EXISTING AT THE JOB, CORRELATING THIS WORK WITH THAT OF THE OTHER TRADES, AND REPORT TO THE DESIGNER ANY DISCREPANCIES OR INTERFERENCES THAT ARE DISCOVERED.
- ALL WORK SHALL BE EXECUTED AND INSPECTED IN ACCORDANCE WITH ALL LOCAL OR STATE CODES, LAWS, ORDINANCES, RULES AND REGULATIONS APPLICABLE TO THE PARTICULAR CLASS OF WORK. THE CONTRACTOR SHALL INCLUDE IN HIS QUOTATION ALL APPLICABLE SERVICE CHARGES, FEES, PERMITS, ROYALTIES, AND OTHER SIMILAR COSTS IN CONNECTION THEREWITH.
- PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH EXISTING UTILITIES, WORKING CONDITIONS TO BE ENCOUNTERED, ETC.
- THE PROJECT ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIALS AND WORKMANSHIP NOT IN ACCORDANCE WITH THE SPECIFICATIONS OR MEETING THE PROJECT ENGINEER'S APPROVAL, EITHER BEFORE OR AFTER INSTALLATION.

GENERAL NOTE:
ALL CONDENSATE PIPE SHALL BE 2".

PLUMBING LEGEND

- VTR: VENT THRU ROOF
- CO: CLEANOUT
- COND — CONDENSATE

1A PLUMBING FLOOR PLAN
3/16"=1'-0"

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
PHILADELPHIA PROJECT OFFICE HVAC & LIGHTING RENOVATION	
PLUMBING FLOOR PLAN	
PROJ. NO. : BWO-5174-50(002)	
COUNTY: NESHOBA	
DATE	DESIGN TEAM PFI
REVISION	CHECKED PFI
BY	DATE 6/18/18
WORKING NUMBER	P130
SHEET NUMBER	05

STATE	PROJECT NO.
MISS	BWO-5174-50(002)

FOR PRINT SCALE VERIFICATION, THIS LINE IS 4" LONG

FAN COIL AND CONDENSING UNIT SCHEDULE

INDOOR UNIT										OUTDOOR UNIT					NOTES		
MARK	CFM (HIGH)	MIN O/A	EXT S.P.	COOLING			HEATING		BASIS OF DESIGN	LOCATION	MARK	COOLING CAP. 95°F AMB. (MBH)	ELECTRICAL DATA			BASIS OF DESIGN	
				TOTAL (MBH)	E.A.T. D.B.	E.A.T. W.B.	CAP (MBH)	E.A.T. D.B.					MCA	MOCP			VOLTAGE
FCU-1	300	-0-	0.10"	9	80	67	-	-	DAIKIN FTK09	--	CU-2	9	7	15	208V/1φ	DAIKIN RK09	1, 2

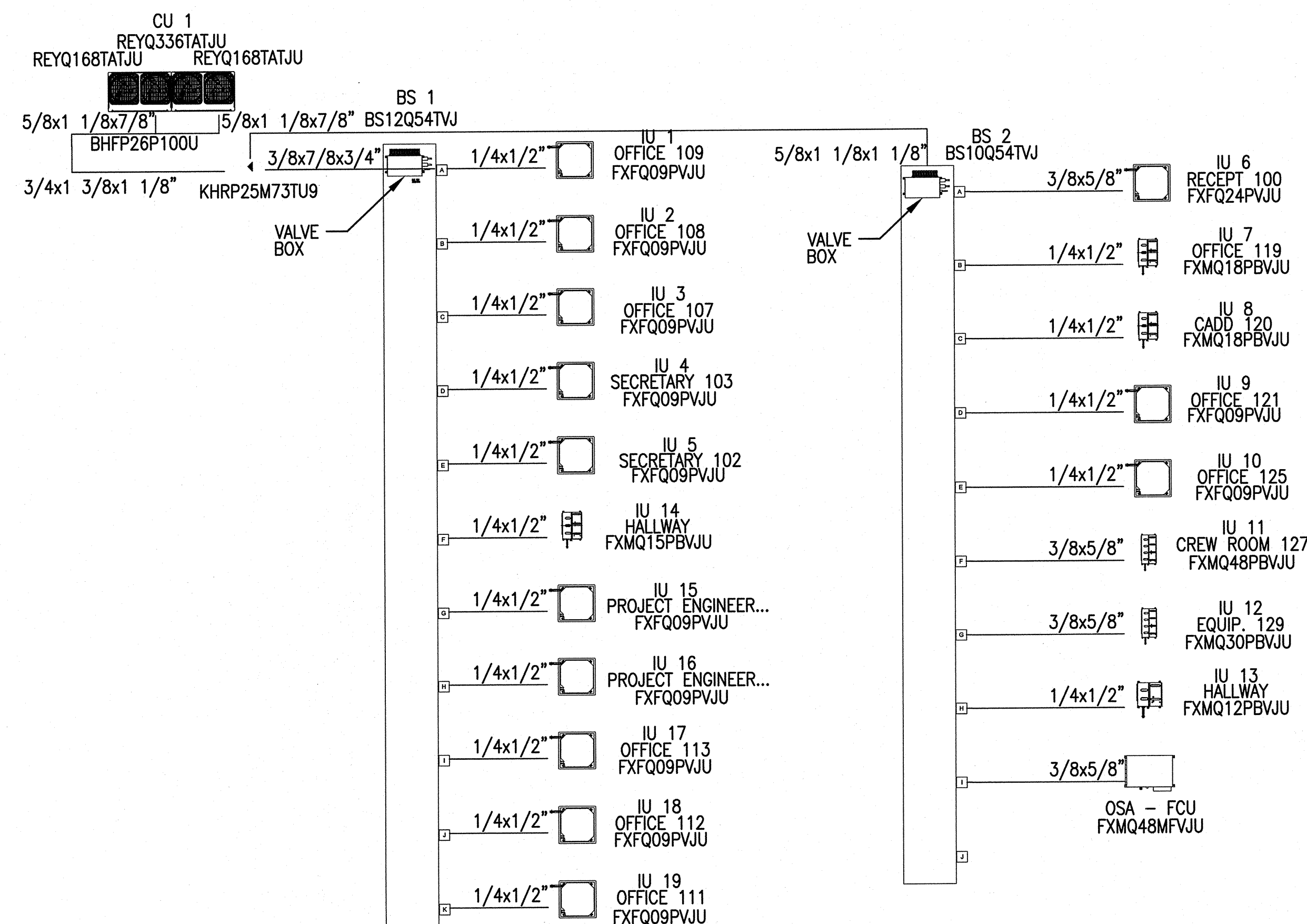
- NOTES:
- PROVIDE WITH LOCKING MOUNT KIT, CONDENSATE PUMP, LOW AMBIENT CONTROLLER, WINTER START KIT, WIND BAFFLE, CRANKCASE HEATER, START ASSIST, AND LIQUID LINE SOLENOID.
 - PROVIDE REFRIGERANT PIPING SIZED PER MANUFACTURER'S RECOMMENDATIONS
 - PROVIDE EQUIVALENT UNIT BY LG OR MITSUBISHI

HEAT PUMP CONDENSING UNIT SCHEDULE (VRF)

MARK	COOLING TONS CAP 95 AMB.	ELECTRICAL DATA			SERVISE	BASIS OF DESIGN
		MCA	MOCP	VOLTAGE		
CU-1	28	2φ 61.9	2φ 70	208/3	OFFICE	DAIKIN REYQ336

- PROVIDE EQUIVALENT BY LG OR MITSUBISHI
- REF. LINES SIZED BY MFG.
- PROVIDE LOW AMBIENT COOLING
- PROVIDE HAIL GUARDS

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION



AIR DISTRIBUTION SCHEDULE

MARK	AIR FLOW		NECK DIA.	PANEL SIZE	SERVICE	FRAME TYPE	REMARKS
	MIN.	MAX.					
Ⓐ	0	100	6	12x12	SUPPLY	LAY-IN	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK
Ⓑ	SEE DWGS.	SEE DWGS.	SEE DWGS.	12x12	EXHAUST	SURFACE	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES
Ⓒ	SEE DWGS.	SEE DWGS.	SEE DWGS.	24x24	RETURN/EXHAUST	LAY-IN	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES
Ⓓ	110	150	8	24x24	SUPPLY	LAY-IN	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK
Ⓔ	375	560	12	24x24	SUPPLY	LAY-IN	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK
Ⓕ	635	635	14	24x24	SUPPLY	LAY-IN	SQUARE LOUVER-FACE DIFFUSER WITH ROUND NECK
Ⓖ	--	--	SEE DWGS.	SEE DWGS.	SUPPLY	SURFACE	ALUMINUM BAR-TYPE SUPPLY EQUAL TO TITUS 300FS
Ⓗ	--	--	SEE DWGS.	SEE DWGS.	RETURN	SURFACE	ALUMINUM BAR-TYPE WITH 3/4" SPACED BLADES

PROVIDE 6" HIGH SQUARE / ROUND TRANSITION ON Ⓑ & Ⓒ
PROVIDE UNITS BY KRUGER, T & B, OR TITUS

FAN COIL UNIT SCHEDULE (VRF)

MARK	CFM	COOLING		HEATING		VOLTAGE	FLA	AREA SERVED
		SEN. MBH	EAT DB/WB	MBH	EAT			
IU-1	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 109
IU-2	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 108
IU-3	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 107
IU-4	460	7.1	75/64	11.5	65	230/1	.3	SECRETARY 103
IU-5	460	7.1	75/64	11.5	65	230/1	.3	SECRETARY 102
IU-6	780	15.6	75/64	29.5	65	230/1	.5	RECEPT 100
IU-7	635	12.4	75/64	21.9	65	230/1	1.6	OFFICE 119
IU-8	635	12.4	75/64	21.9	65	230/1	1.6	CADD 120
IU-9	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 121
IU-10	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 125
IU-11	1,377	29.1	75/64	59.0	65	230/1	3.4	CREW RM. 127
IU-12	1,094	19.1	75/64	37.1	65	230/1	2.8	EQUIP. 129
IU-13	450	7.8	75/64	14.9	65	230/1	1.4	HALLWAY
IU-14	560	10.0	75/64	18.0	65	230/1	1.5	HALLWAY
IU-15	460	7.1	75/64	11.5	65	230/1	.3	PROJ. ENG. 116
IU-16	460	7.1	75/64	11.5	65	230/1	.3	PROJ. ENG. 114
IU-17	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 113
IU-18	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 112
IU-19	460	7.1	75/64	11.5	65	230/1	.3	OFFICE 111
IU-FCU	636	--	80.1/68.5	30.0	53.5	230/1	1.9	BUILDING OSA

- PROVIDE EQUIVALENT UNIT BY LG OR MITSUBISHI
- BUILT-IN CONDENSATE PUMP FOR ALL INDOOR UNITS.
 - RETURN AIR FILTER RACK WITH 1" FILTERS FOR DUCTED UNITS.
 - PROVIDE ISOLATION BALL VALVES ON BOTH SIDES OF BS BOX AND ALL SPARE PORTS.
 - 10-YEAR COMPLETE PARTS WARRANTY ON COMPRESSOR AND ALL UNITS.
 - SERVICE ACCESS FROM BELOW.
 - PROVIDE 7-DAY PROGRAMMABLE THERMOSTATS.

ENERGY RECOVERY VENTILATOR SCHEDULE

MARK	RAW OUTSIDE AIR		SUPPLY AIR		SPACE EXHAUST AIR		EXHAUST AIR		ESP	ELECTRICAL		BASIS OF DESIGN	
	CFM	DB/WB	CFM	DB/WB	CFM	DB/WB	CFM	DB/WB		VOLTS/PH/HZ	MCA		MOCP
ERV-1 (SUMMER OPERATION)	610	93/79	610	80.1/68.5	510	75/63	510	90.5/76.3	.4	120/1/60	14.7	20	GREENHECK HRU-1 ECM
ERV-1 (WINTER OPERATIONS)	610	10	610	53.5	510	70	510	18	.4	--	--	--	--

UNIT SHALL BE AHRI CERTIFIED & ETL LISTED.

LEGEND

- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- WORK IN CONTRACT
- SUPPLY AIR DIFFUSER
- RETURN OR EXHAUST GRILLE
- DUCT TRANSITION
- MANUAL DAMPER
- TURNING VANES
- THERMOSTAT
- SHEET METAL DUCT
- FLEX DUCT (MAX. 4' LENGTH)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PHILADELPHIA PROJECT OFFICE HVAC & LIGHTING RENOVATION

HVAC SCHEDULES, GENERAL NOTES AND LEGEND

PROJ. NO.: BWO-5174-50(002)
COUNTY: NESHOBA

DESIGN TEAM: PFI CHECKED: PFI DATE: 6/18/18

NO. 10890
6-18-18
STATE OF MISSISSIPPI
ENGINEER

WORKING NUMBER: MO.1
SHEET NUMBER: 06