



DRINKARD
ENGINEERING GROUP, INC.
ENGINEERING-PROJECT MANAGEMENT
119 SOUTH BRADLEY ST., ROME, GA 30161
PH: (706) 293-6013
WWW.DRINKARDENGINEERING.COM

HVAC SYSTEM
RENOVATION
FOR

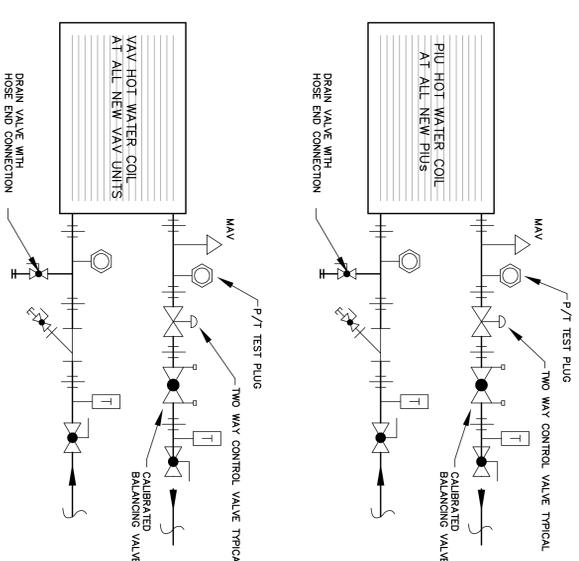
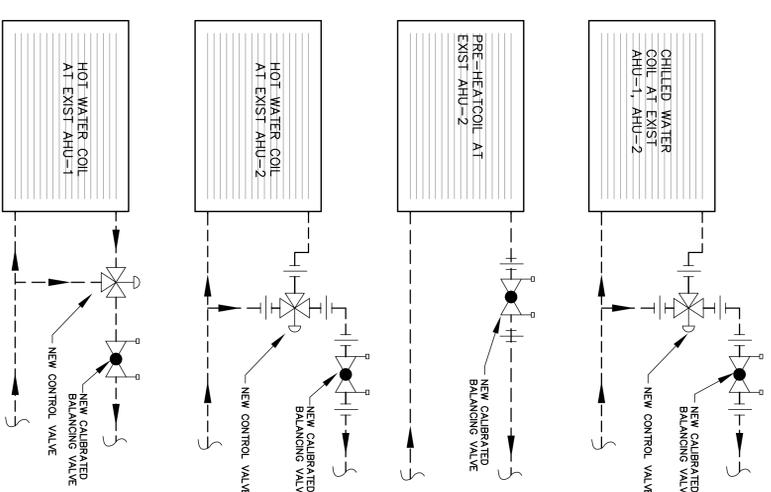
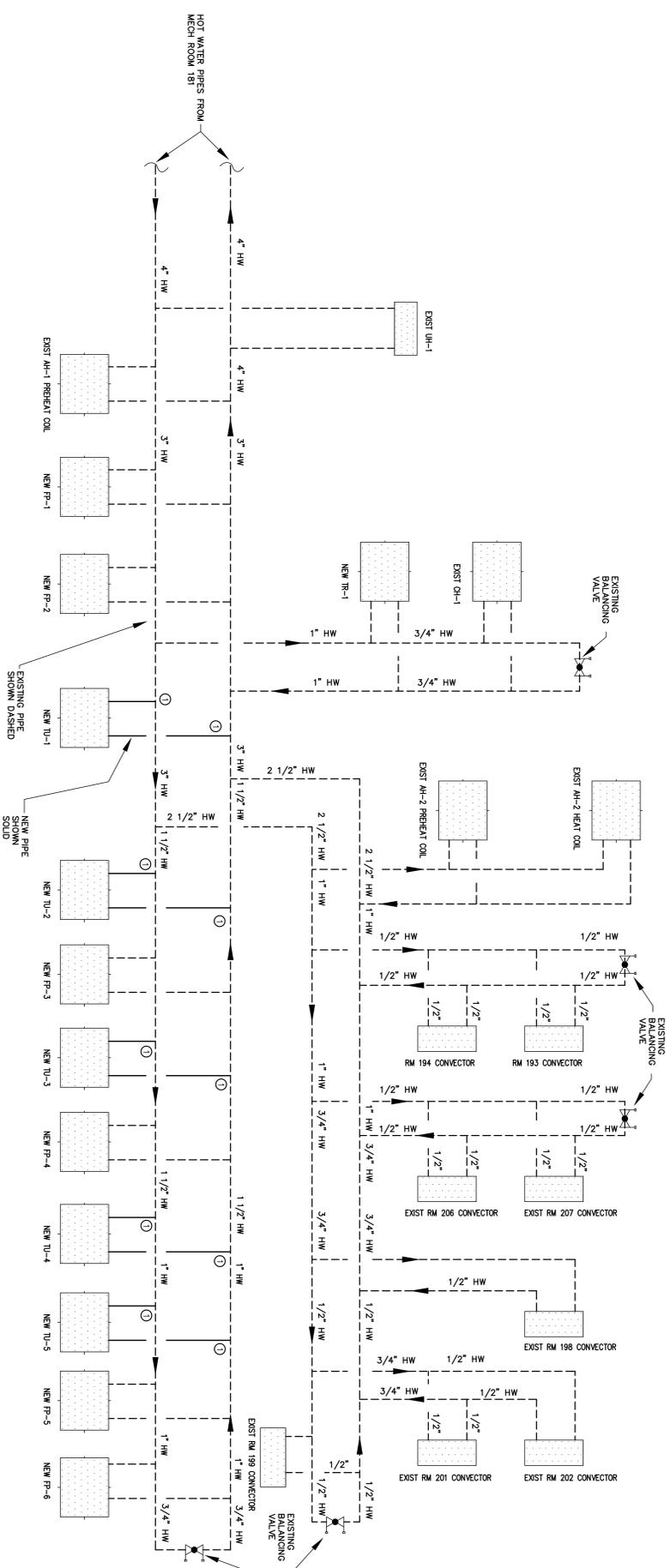
JACKSON COUNTY
CORRECTIONAL
INSTITUTE

2651 W. Davis Rd
Jefferson, GA 30549



8/20/2018

1 HOT WATER PIPE SCHEMATIC
M-4 NO SCALE



KEYED NOTES
THIS SHEET ONLY
○ CONNECT NEW PIPE TO EXISTING PIPE.

GENERAL NOTES
THIS SHEET ONLY
1. ALL VALVES, FITTINGS, AND PIPING ACCESSORIES, SHOWN ON SCHEMATICS ARE NEW UNLESS SPECIFICALLY NOTED AS EXISTING.
2. EXISTING PIPE SHOWN DASHED, NEW PIPE SHOWN SOLID.

2 WATER COIL DETAILS
M-4 NO SCALE

NOTICE		DRINKARD ENGINEERING GROUP, INC. RETAINS ALL RIGHTS, INCLUDING COPYRIGHT, IN THE USE OF THESE DRAWINGS FOR THE COMPLETION OF THIS PROJECT BY OR FOR THE OWNER OR OTHERS FOR ADDITIONS OR MODIFICATIONS TO THIS PROJECT WITHOUT WRITTEN PERMISSION BY DRINKARD ENGINEERING GROUP, INC.	
SCHEMATIC DESIGN		4-14-18	
PRICING SET/BID		8-20-18	
PROJECT NO.		AS SHOWN	
APPROVED	DATE	BY	DATE
DRINKARD	08	BH	8-20-18
PIPING SCHEMATICS			
M-4			



DRINKARD
ENGINEERING GROUP, INC.
ENGINEERING-PROJECT MANAGEMENT
119 SOUTH BROAD ST., SUITE 300
JEFFERSON, GA 30549
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**HVAC SYSTEM
RENOVATION**

FOR

**JACKSON COUNTY
CORRECTIONAL
INSTITUTE**

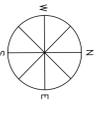
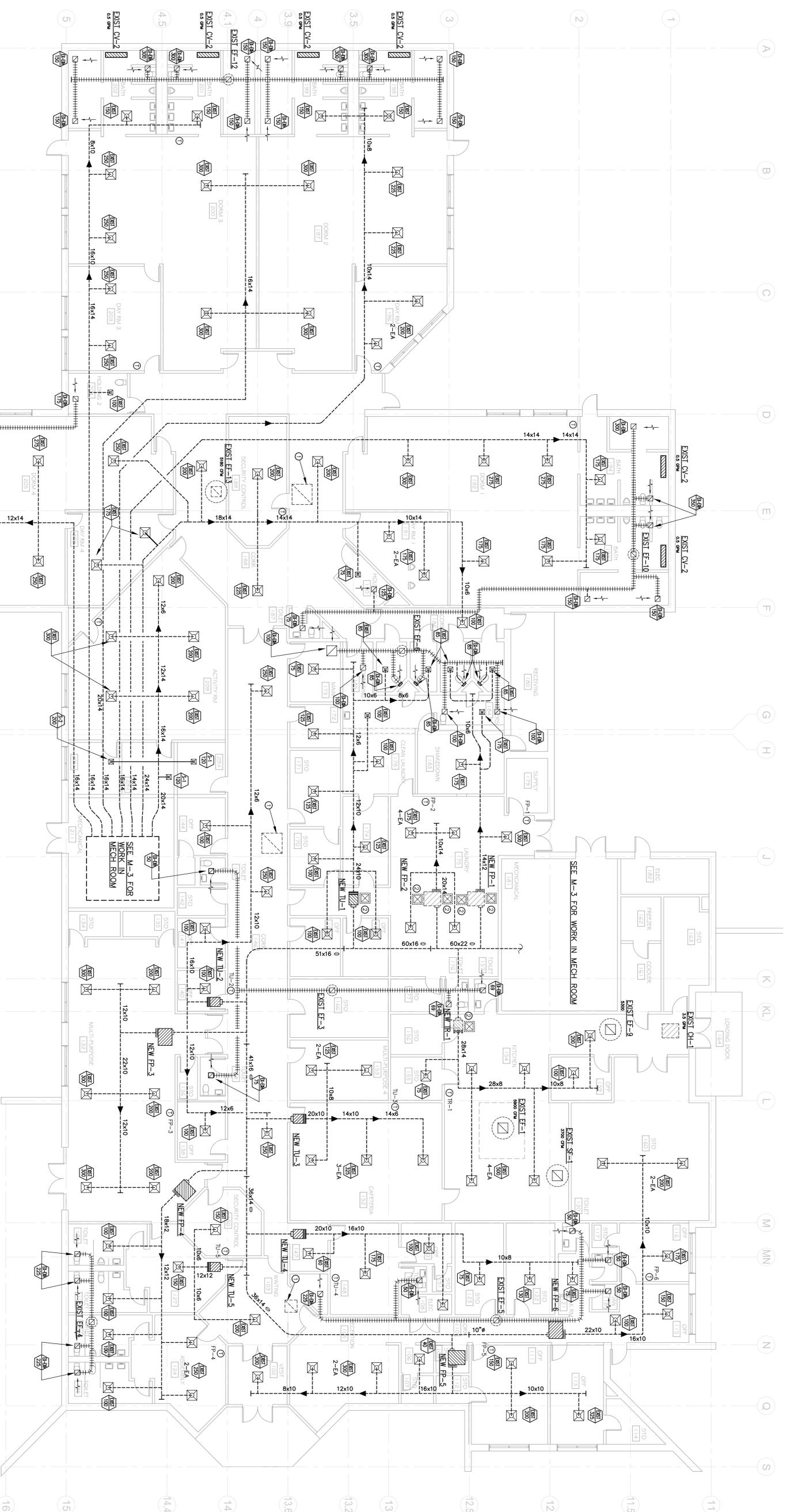
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8/20/2018

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PROJECT NO.	AS SHOWN
DATE	8-20-18
DESIGNED BY	AS SHOWN
CHECKED BY	AS SHOWN
APPROVED BY	AS SHOWN
DATE	8-20-18
PROJECT TITLE	HVAC FLOOR PLAN
SCHEMATIC DESIGN	4-14-18
PRICING SET/BID	8-20-18



1 HVAC FLOOR PLAN
M-8 1/8"=1'-0"

DUCT LEGEND

SYMBOL	DESCRIPTION
-----	EXISTING SUPPLY DUCT
-----	EXISTING EXHAUST DUCT
-----	NEW SUPPLY DUCT

GENERAL NOTES

1. REPAIR ANY DAMAGED EXISTING DUCTS AND SEAL ANY DUCT LEAKS. REPAIR ANY DAMAGED EXISTING DUCT INSULATION.
2. PERFORM TEST AND BALANCE WORK ON ALL NEW AND EXISTING EQUIPMENT SCHEDULED ON M-1.
3. PERFORM TEST AND BALANCE WORK ON ALL EXISTING EQUIPMENT NOT SCHEDULED ON M-1. SEE DRAWINGS AND SPECIFICATIONS FOR TEST AND BALANCE SCOPE.
4. PERFORM AIR FLOW TEST AND BALANCE ON ALL SUPPLY, RETURN, OUTDOOR AIR AND EXHAUST SYSTEMS. ADJUST AIR SPECIFICATIONS INDICATED ON THIS DRAWING. SEE SPECIFICATIONS.
5. PERFORM HOT WATER FLOW BALANCE ON EACH EACH CV-2 FLOOR MOUNTED CONNECTION HEATERS AND ON ONE EACH EACH CV-1 CEILING MOUNTED HEATERS AND ON ONE EACH THESE UNITS IS SHOWN ON THIS DRAWING.
6. CFM FOR EXISTING ROOF MOUNTED FANS SHOWN ON THIS DRAWING.
7. EXISTING ABOVE CEILING BALANCING VALVES SHOWN ON WATER BALANCE WORK.

KEYED NOTES

- THIS SHEET ONLY
- 1. NEW CONTROL DAMPER IN EXISTING RELIEF AIR HOOD. EXISTING GRAVITY DAMPER TO REMAIN. ADJUST AND REPAIR GRAVITY DAMPER AS REQUIRED.
 - 2. 24x24 FIRE RATED-SECURITY TYPE CEILING ACCESS PANEL.

AIR DEVICE LEGEND

SYMBOL	DESCRIPTION
EXIST	EXISTING SUPPLY DIFFUSER- BALANCE SUPPLY AIR TO CFM INDICATED.
7/5	EXISTING EXHAUST GRILLE- BALANCE EXHAUST AIR TO CFM INDICATED.
B-EA	NEW 14" FACE STEEL SEGREGATED FACE EXHAUSTER- 4 WAY TROUGH, 8" ROUND NECK, PERMANENT FRAME, WHITE INSULATED BOX, PRICE \$35-75.
S-1	BALANCE SUPPLY AIR TO CFM INDICATED.

- NOTES**
1. AT NEW SUPPLY DIFFUSERS AND GRILLES, INSTALL NEW DUCT FINISHES AND MANUAL VOLUME DAMPERS IN THE NEW BRANCH TAKE-OFF SERVING THE DEVICE.
 2. ANY NEW DIFFUSERS AND GRILLES INSTALLED IN HARD CEILINGS SHALL HAVE A BUILT-IN FIRE DAMPER.

M-8

