

GENERAL NOTES

1. SCOPE OF WORK: FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, SERVICES AND SKILLED SUPERVISION NECESSARY TO PROVIDE, INSTALL, TEST AND ADJUST ALL MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS TO BE COMPLETE, OPERATIONAL AND READY FOR USE, AS INDICATED IN THESE DRAWINGS AND/OR SPECIFICATIONS.
2. PERMITS, LICENSES AND FEES: PAY FOR ALL REQUIRED FEES AND OBTAIN ALL NECESSARY PERMITS AND LICENSES FOR THE LEGAL REMOVAL AND INSTALLATION OF THE WORK.
3. APPLICABLE CODES AND STANDARDS: ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS AND ANY REGULATIONS EFFECTIVE IN THE PROJECT JURISDICTION. ALL CODE CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR RESOLUTION. THE APPLICABLE CODES AND STANDARDS ON THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 A. VIRGINIA CONSTRUCTION CODE (VCC 2018)
 B. INTERNATIONAL BUILDING CODE (IBC 2018)
 C. INTERNATIONAL MECHANICAL CODE (IMC 2018)
 D. INTERNATIONAL PLUMBING CODE (IPC 2018)
 E. NFPA 70 - NATIONAL ELECTRICAL CODE (NEC 2017)
 F. INTERNATIONAL FUEL GAS CODE (IFGC 2018)
 G. INTERNATIONAL ENERGY CONSERVATION CODE (IECC 2018)
 H. VIRGINIA STATEWIDE FIRE PREVENTION CODE (SFFC 2018)
4. DRAWING ACCURACY: THE LOCATION AND SIZES OF EXISTING EQUIPMENT, PIPING, OUTLETS, FIXTURES AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE VERIFIED AT THE PROJECT SITE. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE SCALED. WHEN INDICATED, ALL WORK SHALL BE PHYSICALLY LOCATED IN ACCORDANCE WITH THE ANNOTATED DIMENSIONS ON THE ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS.
5. DRAWINGS: THE DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE INTENT OF THE CONTRACT. THE DESIGN DRAWINGS ARE NOT TO BE CONSIDERED A SUBSTITUTION TO THE SHOP DRAWINGS. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS CONDITIONS ALLOW, TO COMPLETE THE INTENT OF THE CONTRACT. THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS/CHANGES IN LOCATIONS AND ARRANGEMENTS WHEN REQUIRED BY THE JOB DEVELOPMENT WITHOUT ADDITIONAL COMPENSATION TO THE CONTRACTOR.
6. SITE VISIT: THE CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS, EQUIPMENT, PIPING, WIRING, CONSTRUCTION, FINISHES, AND STRUCTURE PRIOR TO THE COMMENCEMENT OF WORK. WHEN ANY DISCREPANCY OR CONFLICT IS DETECTED AT THE PROJECT SITE, THE OWNER REPRESENTATIVE, AND ARCHITECT SHALL BE NOTIFIED IMMEDIATELY PRIOR TO COMMENCING OF THE WORK. BEFORE STARTING ANY WORK, CONTRACTOR SHALL CONFIRM ALL EXISTING TO REMAIN EQUIPMENT WITH MOVING PARTS (AIR HANDLING UNITS, FANS, PUMPS, ETC. AS APPLICABLE) ARE OPERATING PROPERLY OR, IF NOT SHALL SUMMARIZE DEFICIENCIES. SIMILARLY AS CONTRACTOR WORKS THROUGHOUT THE BUILDING HE SHALL NOTE ANY APPARENT DEFICIENCIES OF EXISTING WORK TO REMAIN THAT WOULD RESULT IN ANY INDICATED AIR OR WATER FLOWS NOT CAPABLE OF MEETING NEWLY STATED AIR OR WATER FLOW VALUES.
7. COORDINATION: COORDINATE AND SEQUENCE THE WORK OF ALL DIVISIONS AND TRADES PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK AND RACEWAYS. COORDINATE THE LOCATION OF ALL NEW EQUIPMENT, DUCTWORK, PLUMBING FIXTURES, AND DEVICES WITH THE BUILDING STRUCTURE AND NEW EQUIPMENT BEFORE FABRICATION. THE INSTALLATION SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER AND SHALL CONFORM TO THE LATEST TRADE PRACTICES. REFER TO THE ARCHITECTURAL DRAWINGS TO VERIFY THE EXACT LOCATION OF THE EQUIPMENT AND/OR FIXTURES. MAKE THE NECESSARY ACCOMMODATIONS TO MEET THE INTENT OF THE DRAWINGS AND ENSURE A COMPLETE AND COORDINATED INSTALLATION.
8. MOUNTING HEIGHTS: COORDINATE THE MOUNTING HEIGHTS OF DEVICES TO BE LOCATED ON FINISH WALLS TO PROVIDE A CLEAN AND SYMMETRICAL APPEARANCE. REFER TO THE ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR HEIGHTS AND LOCATIONS OF EQUIPMENT. DIMENSIONS, UNLESS OTHERWISE NOTED, ARE TO THE CENTERLINE OF THE EQUIPMENT. COMPLY WITH THE REQUIREMENTS OF THE "AMERICANS WITH DISABILITIES ACT (ADA).
9. MATERIALS/SUBMITTALS/SUBSTITUTIONS: MANUFACTURERS AND CATALOGUE NUMBERS ARE USED HEREIN STRICTLY AS A REFERENCE. THEY REPRESENT THE TYPE, SIZE, CONSTRUCTION, PERFORMANCE, AND LEVEL OF QUALITY REQUIRED. EQUIPMENT FROM OTHER MANUFACTURERS (SUBSTITUTIONS) THAT MATCH OR SURPASS THE CHARACTERISTICS OF THOSE REFERENCED ON THE DRAWINGS WILL BE ACCEPTABLE, SUBJECT TO WRITTEN APPROVAL BY THE OWNER REPRESENTATIVE AND THE ENGINEER. THE CONTRACTOR SHALL SUBMIT A SUBSTITUTION REQUEST ALONG WITH A COMPARISON TABLE LISTING THE CAPACITIES AND FEATURES OF THE BASIS OF DESIGN EQUIPMENT AND THOSE OF THE PROPOSED SUBSTITUTION EQUIPMENT/DEVICE FOR REVIEW AND APPROVAL.
10. BUILDING SERVICE INTERRUPTION: THE CONTRACTOR SHALL NOTIFY THE OWNER REPRESENTATIVES, AND THE ARCHITECT A MINIMUM OF 14 CALENDAR DAYS IN ADVANCE IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR THE PROJECT REQUIREMENTS LISTED ON THESE DRAWINGS, AND SHALL OBTAIN WRITTEN AUTHORIZATION TO PROCEED. A MINIMUM OF 7 DAYS PRIOR TO THE INTERRUPTION OF ANY BUILDING SERVICE. THE CONTRACTOR SHALL COORDINATE THE TIME AND DURATION OF THE SERVICE INTERRUPTION WITH THE OWNER, AND ARCHITECT. SERVICES THAT ARE PARTIALLY REMOVED SHALL BE CAPPED, VALVED OR TEMPORARILY BYPASSED, SO THAT THE OCCUPIED PORTION CAN REMAIN IN OPERATION WHILE THE NEW WORK IS BEING INSTALLED.
11. CLEANING & MATERIAL DISPOSITION: CLEAR ALL DEBRIS DAILY FROM THE AREA OF WORK AND LEAVE THE SITE IN CLEAN CONDITION. CLEAN ALL EQUIPMENT ENCLOSURES, INSIDE AND OUTSIDE. ALL DEMOLISHED EQUIPMENT AND DEBRIS NOT TO BE REUSED OR SALVAGED SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF, IN ACCORDANCE WITH APPLICABLE REGULATIONS.
12. CUTTING & PATCHING: PERFORM CUTTING AND PATCHING AS NECESSARY FOR THE INSTALLATION OF THIS WORK. SEAL UNUSED PENETRATIONS RESULTING FROM DEMOLITION FOR THIS WORK. ALL WORK SHALL BE PERFORMED IN SUCH A MANNER TO MINIMIZE DAMAGE TO ADJACENT EQUIPMENT, PIPING, DUCTWORK, WIRING, FIXTURES, CONSTRUCTION, FINISHES AND STRUCTURE. RESTORE SURFACES TO MATCH THE EXISTING ADJACENT FINISHES AND CONDITIONS. REFER TO THE PROJECT ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL CUTTINGS & PATCHING REQUIREMENTS.
13. CONCEALED COMPONENTS: PROVIDE ACCESS TO SYSTEM COMPONENTS THAT ARE CONCEALED AND REQUIRED PERIODIC ACCESS. COORDINATE THE SIZE AND LOCATION OF ACCESS PANELS AND LABELS WITH THE ARCHITECTURAL DRAWINGS AND WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND/OR REQUIREMENTS.
14. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF WORK WITH EXISTING CONDITIONS AND THE WORK OF OTHER TRADES. MINOR DEVIATIONS FROM THE PLANS MAY BE MADE TO AVOID MINOR CONFLICTS. WHEN MAJOR CONFLICTS ARE APPARENT, THE OWNER'S REPRESENTATIVE AND ARCHITECT SHALL BE ADVISED / NOTIFIED IMMEDIATELY, AND THE AFFECTED WORK SHALL NOT BE INSTALLED UNTIL THE CONFLICT HAS BEEN RESOLVED.
15. INSTALLATION OF NEW WORK: THE INSTALLATION OF EQUIPMENT AND MATERIALS SHALL ADHERE TO THE MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. ALL SERVICE AND CODE REQUIRED CLEARANCES SHALL BE MAINTAINED, WHETHER INDICATED ON THE DRAWINGS OR NOT. THE INSTALLATION OF EQUIPMENT, DUCTWORK, PIPING, FIXTURES, ETC. SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER, AND SHALL CONFORM TO THE LATEST TRADE PRACTICES. REFER TO THE ARCHITECTURAL DRAWINGS TO VERIFY THE EXACT LOCATION OF EQUIPMENT, FIXTURES, ETC. COORDINATE THE DUCTWORK AND PIPING INSTALLATION WITH THE WORK OF OTHER TRADES PRIOR TO FABRICATION. MAKE THE NECESSARY ACCOMMODATIONS TO MEET THE INTENT OF THE DRAWINGS AND ENSURE A COORDINATED AND COMPLETELY FUNCTIONAL INSTALLATION.
16. PLENUM SPACES: ALL MECHANICAL, PLUMBING AND/OR ELECTRICAL EQUIPMENT, PIPING, INSULATION, WIRING, ETC. INSTALLED IN ACTIVE PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY RATINGS.
17. COORDINATION DRAWINGS: PROVIDE COORDINATION DRAWINGS COVERING THE AREAS OF WORK, INDICATING ALL FLOOR SLAB PENETRATIONS, CONNECTIONS TO FIXTURES, AND TO EQUIPMENT (AND KITCHEN EQUIPMENT). THE COORDINATED DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO DUCTWORK, HVAC PIPING, DOMESTIC AND SANITARY PIPING, VENT, STORM AND GAS PIPING, MAJOR ELECTRICAL CONDUITS AND JUNCTION BOXES, AS APPLICABLE. SUBMIT 1/4 SCALE COORDINATED DRAWINGS FOR THE ENGINEER'S REVIEW AND APPROVAL.
18. AS-BUILT DRAWINGS: PROVIDE AS-BUILT RED-LINED DRAWINGS AT THE COMPLETION OF THE PROJECT FOR THE ENGINEER'S REVIEW AND FOR THE RECORD. INDICATE MAJOR CHANGES AND/OR ADJUSTMENTS TO THE EQUIPMENT AND/OR ANCILLARY DEVICE LOCATIONS.
19. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS ARE NOT ANTICIPATED ON THIS PROJECT. WHERE HAZARDOUS MATERIALS SUCH AS ACMs, PCBs, OR LEAD ARE ENCOUNTERED, THE CONTRACTOR SHALL CEASE DEMOLITION WORK AND NOTIFY THE OWNER, ARCHITECT AND ENGINEER AT ONCE.
20. VALVES AND ACCESS PANELS: INSTALL ALL VALVES SUCH THAT THEY ARE ACCESSIBLE THROUGH ACCESS PANELS AS NEEDED. COORDINATE THE SIZE AND THE LOCATION OF ACCESS PANELS WITH THE ARCHITECTURAL DRAWINGS. 12"X12" MINIMUM OR AS REQUIRED BY THE EQUIPMENT TO BE ACCESSED.
21. DEMOLITION WORK/DEMOLITION DRAWINGS: HATCHING AND NOTES ON THE DEMOLITION DRAWINGS INDICATE EXTENT OF DEMOLITION. ALL WORK THAT DOES NOT HAVE NOTE(S) STATING IT TO BE REMOVED AND/OR DOES NOT HAVE DEMOLITION HATCHING THROUGH IT IS EXISTING WORK TO REMAIN.
22. BEFORE PERFORMING ANY AHU-3 DEMOLITION OR DEMOLITION OF ANY VAV AIR TERMINALS OR ANY DUCTWORK ASSOCIATED WITH AHU-3 OR ANY OF THE VAV AIR TERMINALS, PERFORM A DUCT LEAKAGE TEST OF AHU-3 SUPPLY AND RETURN DUCTWORK IN ACCORDANCE WITH THE 2018 IECC SUBMIT REPORT ON THE RESULTS.
23. EXISTING CONTROL WIRING TO REMAIN. EXCEPTION TO THIS IS THE CONTRACTOR SHALL CONFIRM FUNCTIONALITY OF ANY EXISTING CONTROL WIRING SERVING AHU-3, THE 65 VAV AIR TERMINALS TO BE REPLACED UNDER THIS CONTRACT, AND ANY RELATED ROOM THERMOSTATS AND VAV BOX CONTROL VALVES AND REPLACE ANY EXISTING WIRING NO LONGER FUNCTIONAL.

HVAC SYMBOLS

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER ARROWS DENOTE AIR FLOW
	ROUND DIFFUSER WITH FLEXIBLE DUCT CONNECTION
	RETURN/EXHAUST GRILLE
	RETURN/EXHAUST GRILLE
	SIDEWALL DIFFUSER
	RECTANGULAR DUCT SIZE IN INCHES (H X W)
	ROUND DUCT SIZE IN INCHES (DIAMETER)
	SUPPLY ELBOW TURNED UP
	SUPPLY ELBOW TURNED DOWN
	RETURN ELBOW TURNED UP
	RETURN ELBOW TURNED DOWN
	EXHAUST ELBOW TURNED DOWN
	ELBOW WITH TURNING VANES
	FLEXIBLE CONNECTION
	RECTANGULAR DUCT TRANSITION
	RECTANGULAR TO ROUND DUCT TRANSITION
	BACKDRAFT DAMPER
	FIRE DAMPER
	MOTORIZED DAMPER
	SMOKE DAMPER
	VOLUME DAMPER
	FLEXIBLE DUCT, 5' MAX LENGTH
	CARBON DIOXIDE SENSOR
	DUCT SMOKE DETECTOR
	THERMOSTAT
	HUMIDISTAT
	EMERGENCY AIR SHUT OFF SWITCHES, ATPF
	OCCUPANCY SENSORS
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	CONDENSATE DRAIN
	EXISTING WORK
	DEMOLITION WORK
	NEW WORK

CONTROLS SYMBOLS

	THERMOSTAT WIRING
	CONTROL LOOP
	NETWORK SWITCH

GENERAL SYMBOLS

	CONNECTION POINT NEW TO EXISTING
	END OF DEMOLITION
	KEYNOTE
	REMOVE EQUIPMENT AND DUCTWORK
	SECTION VIEW. NUMBER DENOTES SECTION NUMBER AND X DENOTES DRAWING NUMBER
	WSP - XXX
	PRESSURE GAUGE
	CHECK VALVE
	STRAINER
	BUTTERFLY VALVE
	DIRECTION OF AIR FLOW
	BALANCING VALVE (AT PUMP)
	CONTROL VALVE
	TEMPERATURE GAGE

GENERAL SYMBOLS

	PUMP
	GATE VALVE
	CONCENTRIC REDUCER
	UNION
	DIRECTION OF FLOW IN PIPE
	PIPE TURNED DOWN
	PIPE TURNED UP
	PIPE ANCHOR
	DIRECTION OF PIPE PITCH (DOWN)
	GUIDE

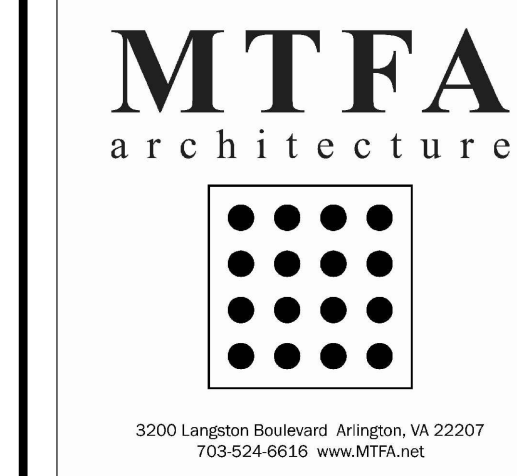
ABBREVIATIONS

A	AMPER
ACU	AIR CONDITIONING UNIT
ACH	AIR CHANGE PER HOUR
ADJ	ADJACENT / ADJOINING / ADJUSTABLE
AF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AS	AIR SEPERATOR
BFF	BELOW FINISHED FLOOR
BHP	BRAKE HORSE POWER
BOD	BOTTOM OF DUCT
BOT	BOTTOM
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
BYP	BYPASS
CAP	CAPACITY
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CL	CENTER LINE
CLG	CEILING
CO	CLEAN OUT
CO ₂	CARBON DIOXIDE
CONT	CONTINUE
CP	CONTROL PANEL / CONDENSATE PUMP
CU	CONDENSING UNIT
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	CONTROL VALVE
CWR	CONDENSED WATER RETURNED
CWS	CONDENSED WATER SUPPLIED
dB	DECIBEL
DB	DRY BULB
dBA	A-WEIGHTED DECIBEL
DEG	DEGREE
DEMO	DEMOLITION
DH	DUCT HEATER
DIA	DIAMETER
DIFF	DIFFUSER
DN	DOWN
DOAS	DEDICATED OUTSIDE AIR UNIT
DPS	DIFFERENTIAL PRESSURE SENSOR
DWG	DRAWING
EA	EXHAUST AIR / EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EF	EXHUST FAN
ELEC	ELECTRIC
EMER	EMERGENCY
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
(E)	EXISTING
EXH	EXHAUST
EXP	EXPANSION
*F	DEGREES FAHRENHEIT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FTR	FINNED TUBE RADIATION
G	NATURAL GAS
GAL	GALLON
GC	GENERAL CONTRACTOR
GCWR	GLYCOL WATER RETURN
GCWS	GLYCOL WATER SUPPLY
GP	GALLON PER MINUTE
HD	HEAD
HP	HORSEPOWER / HIGH PRESSURE / HEAT PUMP
HT	HEIGHT
HVAC	HEATING VENTILATION AND AIR CONDITIONING
HX	HEAT EXCHANGER
IN	INCHES
IN WC	INCHES WATER COLUMN
KW	KILOWATTS

ABBREVIATIONS

LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LINEAR DIFFUSER
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAU	MAKEUP AIR UNIT
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODIFY
NC	NORMALLY CLOSE / NOISE CRITERIA
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN / NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
NUM	NUMBER
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP
PH	PHASE
PLBG	PLUMBING
PNL	PANEL
PSI	POUNDS PER SQUARE INCH
R	RADIUS / RISER / THERMAL RESISTANCE
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RR	RETURN REGISTER
REF	REFERENCE / REFRIGERATOR
REV	REVISION / REVOLUTIONS
RF	RELIEF FAN
RH	RELATIVE HUMIDITY / ROOF HOOD / REHEAT
RLD	RETURN LINEAR DIFFUSER
RPM	REVOLUTIONS PER MINUTE
RV	RELIEF VALVE / ROOF VENT
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER / SMOKE DETECTOR
SF	SUPPLY FAN / SAFETY FACTOR / SQUARE FEET
SH	SENSIBLE HEAT
SPEC	SPECIFICATION
STD	STANDARD
SYS	SYSTEM
TD	TRANSFER DUCT
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UN	UNIT HEATER
V	VOLTS / VOLTAGE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VTR	VENT THROUGH ROOF
VT	VENTILATOR
W/	WITH
W/O	WITHOUT
WB	WET BULB
WPD	WATER PRESSURE DROP
WSPH	WATER SOURCE HEAT PUMP
WR	WALL RETURN REGISTER

NOTE:
NOT ALL ABBREVIATIONS INDICATED ABOVE ARE USED ON THIS PROJECT.



4TH FLOOR COURTS RENOVATION

Arlington County

1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
4690 Lake Center Plaza, Suite 309
Potomac Falls, VA, 20166
571.323.0320

MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7906 Richfield Road
Springfield, VA, 22153
703.572.9726

Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA, 20187
540.347.5001

PROJECT # 21085

DATE	ISSUE	
07/14/2023	CONSTRUCTION DOCUMENTS	
08/16/2023	PERMIT SET	
10/06/2023	PERMIT REVISION	1
12/12/2023	PERMIT REVISION	2
12/29/2023	PERMIT REVISION	3
02/15/2024	BIDDING CLARIFICATIONS	4
02/22/2024	BIDDING CLARIFICATIONS	5

DRAWN: M/R CHECKED: J/MC

SCALE: AS INDICATED

SHEET TITLE:
GENERAL NOTES,
SYMBOLS &
ABBREVIATIONS

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SHEET #

M001

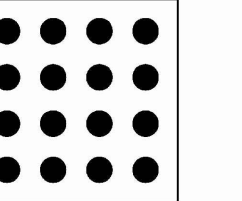
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1. ALL WORK ON 3RD FLOOR SHALL BE COORDINATED TO OCCUR DURING NON-BUSINESS HOURS (AFTER 5:30 PM, AND BEFORE 7:30 AM) AND ON WEEKENDS ONLY.
2. CONTRACTOR IS RESPONSIBLE TO PERFORM WORK DURING NON-BUSINESS HOURS, AND SHALL ENSURE THAT THE AREA OF WORK BE RETURNED TO A CONDITION CONDUCTIVE FOR THE WORKDAY. HENCE THE AREA SHALL BE CLEANED, CEILING TILES SHALL BE IN PLACE, NO TOOLS OR TEMPORARY PARTITIONS, FLOOR COVERING, DESK COVERING SHALL BE REMAIN IN THESE WORK AREAS TO CAUSE ANY INTERRUPTIONS TO THE USERS.
3. ALL EQUIPMENT AND SYSTEMS SHOWN ARE EXISTING AND OPERATIONAL; AND, SHALL REMAIN SO UNLESS SPECIFICALLY INDICATED OTHERWISE.
4. REFER TO ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
5. HATCHED AREA INDICATED DEMOLITION UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

1. PREPARE (E) VARIABLE AIR VOLUME BOX FOR REMOVAL. LO / TO, OR TURN "OFF" THE VAV BOX'S ASSOCIATED ELECTRICAL POWER BREAKER AT THE SOURCE PANEL PRIOR TO REMOVAL ACTIVITIES. (SEE ELECTRICAL DWGS FOR ADDITIONAL REQUIREMENTS).
2. DISCONNECT AND REMOVE PRIMARY SUPPLY AIR FLEXIBLE DUCTWORK FROM VAV BOX UNIT AND SUPPLYING HARD DUCT (SIZES VARY).
3. FOR VAV BOXES THAT HAVE ASSOCIATED HYDRONIC "RE-HEAT" COILS INSTALLED, REMOVE HEATING HOT-WATER SUPPLY & RETURN PIPING AND ASSOCIATED PIPING SPECIALTIES BACK TO NEAREST ISOLATION VALVE(S).
4. DISCONNECT AND REMOVE RECTANGULAR, LOW-PRESSURE, SHEET-METAL SUPPLY AIR DUCTWORK FROM THE VAV BOX, OR ITS RE-HEAT COIL COLLAR, TO THE NEAREST DOWNSTREAM DUCT JOINT.
5. REMOVE VAV BOX COMPLETE. REMOVE ALL ASSOCIATED VAV BOX AND PIPE HANGERS UP TO STRUCTURE, AND PREP AREA FOR NEW VAV BOX INSTALLATION.
6. SEE DRAWING M-501 FOR HVAC DEMOLITION AND REMOVAL DETAILS THIS AREA.
7. REMOVE EXISTING THERMOSTAT SERVING VAV AIR TERMINALS (TYP).

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3300 Longleaf Boulevard, Arlington, VA 22207
703.524.6618 www.MTFA.com

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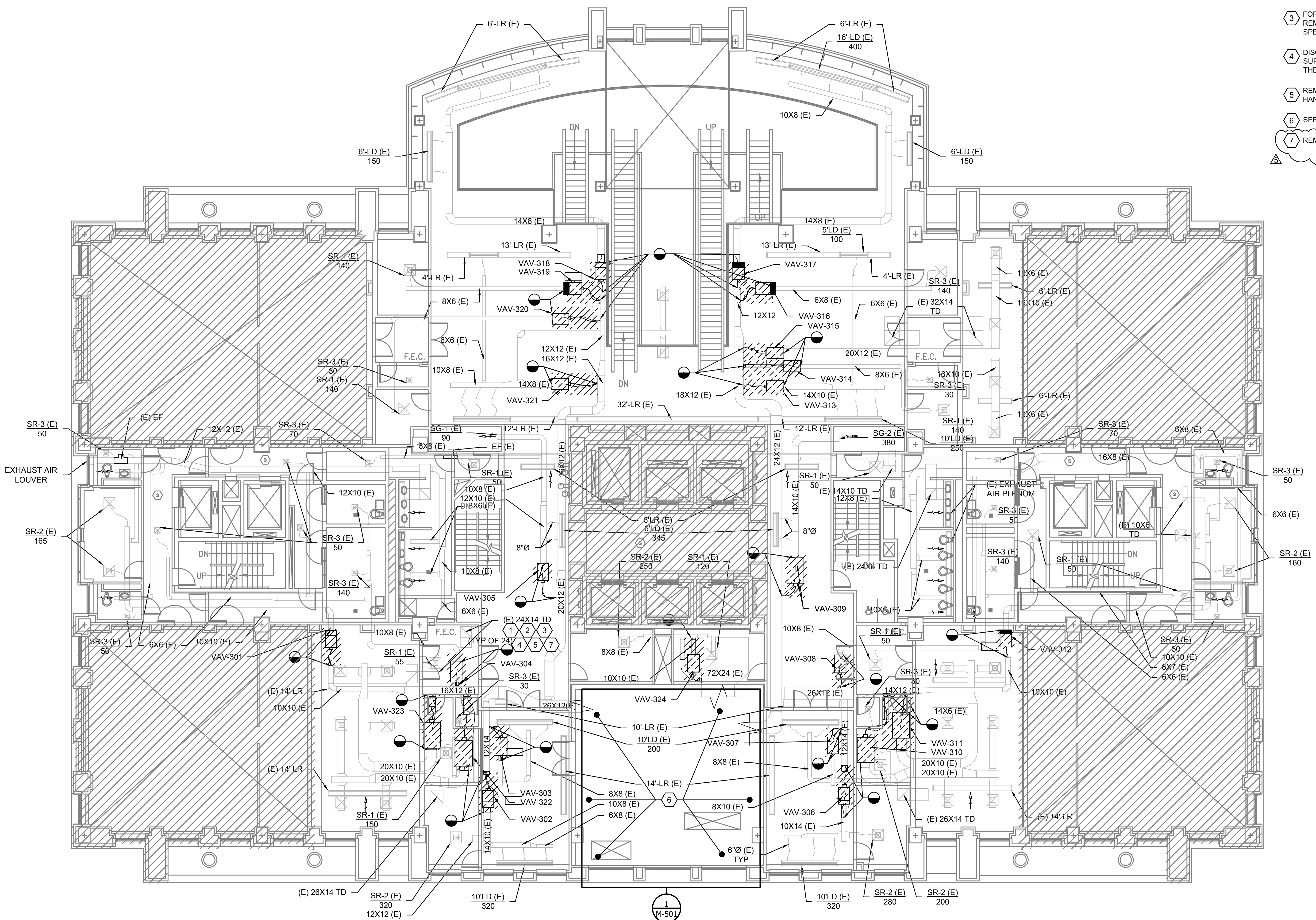
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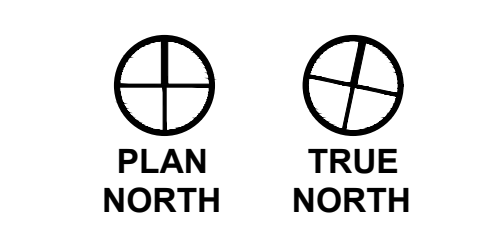
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02/22/2024	BIDDING CLARIFICATIONS 5

DRAWN: MIR	CHECKED: JMC
SCALE: SCALE OF FEET	AS INDICATED
SHEET TITLE: FLOOR PLAN LEVEL 3 HVAC - DEMO	
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SHEET #	



GRAPHIC SCALE
0 4' 8' 16'

SCALE: 1/8"=1'
SCALE OF FEET



1 3RD FLOOR PLAN HVAC - DEMOLITION
Scale: 1/8"=1'-0"

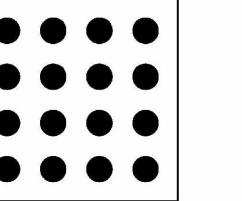
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- 5 REMOVE VAV BOX COMPLETE. REMOVE ALL ASSOCIATED VAV BOX AND PIPE HANGERS UP TO STRUCTURE, AND PREP AREA FOR NEW VAV BOX INSTALLATION.

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Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7506 Richfield Road
Springfield, VA 22153
703.972.9720

Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA 20187
540.347.5001

PROJECT # 21085

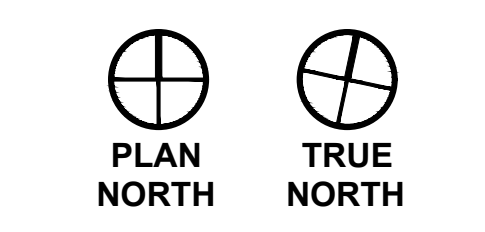
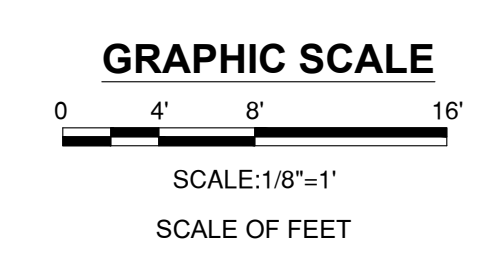
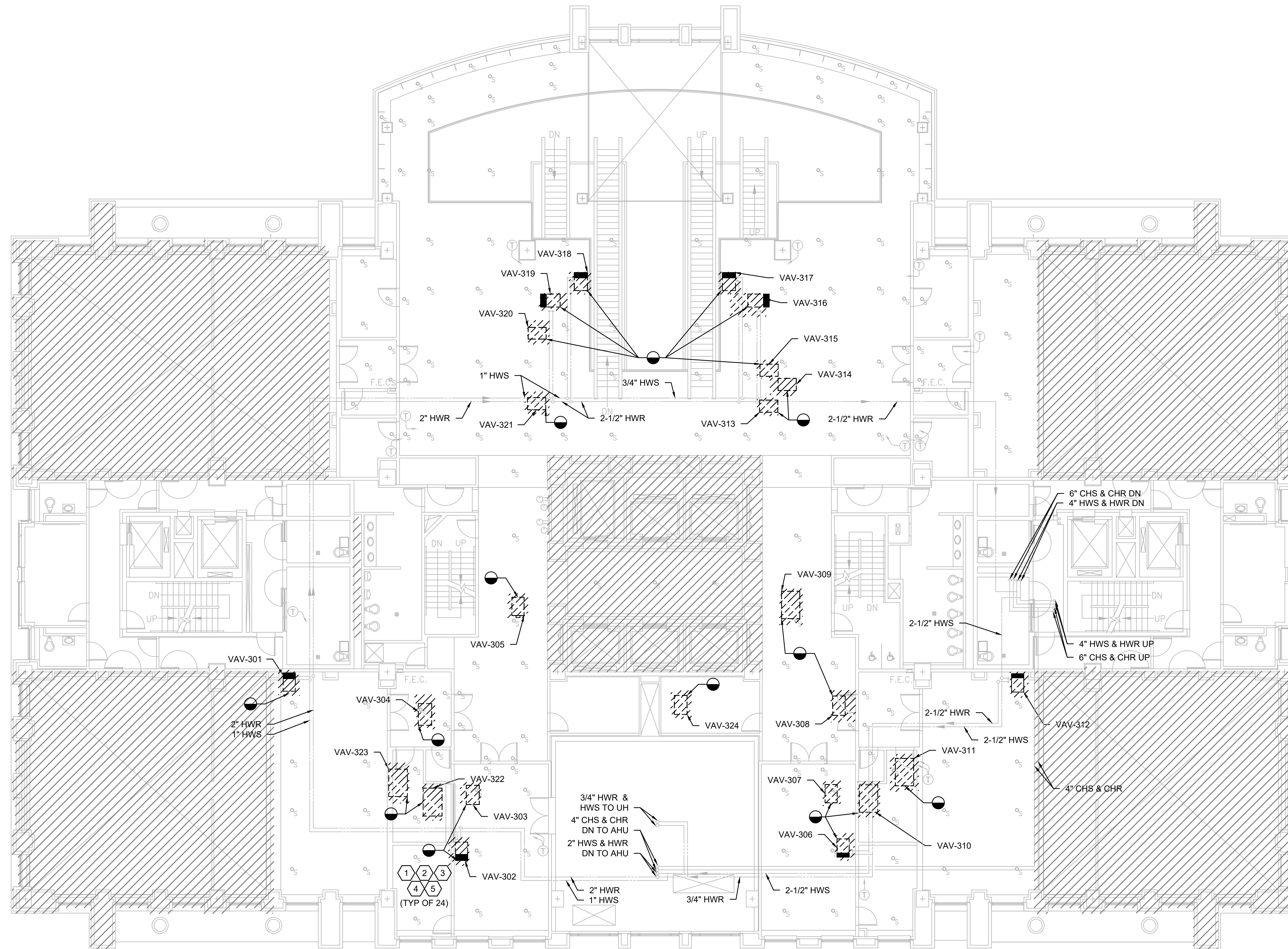
DATE	ISSUE	
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02/15/2024	BIDDING CLARIFICATIONS	4
02/22/2024	BIDDING CLARIFICATIONS	5

DRAWN: MJR CHECKED: JMC

SCALE: AS INDICATED

SHEET TITLE: **FLOOR PLAN LEVEL 3 HVAC-PIPING - DEMO**

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SHEET #



1 3RD FLOOR PLAN HVAC PIPING- DEMOLITION
Scale: 1/8"=1'-0"

GENERAL NOTES

1. ALL EQUIPMENT AND SYSTEMS SHOWN ARE EXISTING AND OPERATIONAL; AND, SHALL REMAIN SO UNLESS SPECIFICALLY INDICATED OTHERWISE.
2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR CEILING GRID AND TILE REMOVAL REQUIREMENTS.
3. REFER TO ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
4. HATCHED AREA INDICATED DEMOLITION UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

1. PREPARE (E) VARIABLE AIR VOLUME BOX FOR REMOVAL. LO / TO, OR TURN "OFF" THE VAV BOX'S ASSOCIATED ELECTRICAL POWER BREAKER AT THE SOURCE PANEL PRIOR TO REMOVAL ACTIVITIES. (SEE ELECTRICAL DWGS FOR ADDITIONAL REQUIREMENTS).
2. DISCONNECT AND REMOVE PRIMARY SUPPLY AIR FLEXIBLE DUCTWORK FROM VAV BOX UNIT AND SUPPLYING HARD DUCT (SIZES VARY).
3. FOR VAV BOXES THAT HAVE ASSOCIATED HYDRONIC "RE-HEAT" COILS INSTALLED, REMOVE HEATING HOT-WATER SUPPLY & RETURN PIPING AND ASSOCIATED PIPING SPECIALTIES BACK TO NEAREST ISOLATION VALVE(S).
4. DISCONNECT AND REMOVE RECTANGULAR, LOW-PRESSURE, SHEET-METAL SUPPLY AIR DUCTWORK FROM THE VAV BOX, OR ITS RE-HEAT COIL COLLAR, TO THE NEAREST DOWNSTREAM DUCT JOINT.
5. REMOVE VAV BOX COMPLETE. REMOVE ALL ASSOCIATED VAV BOX AND PIPE HANGERS UP TO STRUCTURE, AND PREP AREA FOR NEW VAV BOX INSTALLATION.
6. REMOVE EXISTING THERMOSTAT SERVING VAV AIR TERMINALS (TYP).



4TH FLOOR COURTS RENOVATION

Arlington County

1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
4650 Lake Center Plaza, Suite 309
Potomac Falls, VA, 20155
571.323.0320

MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

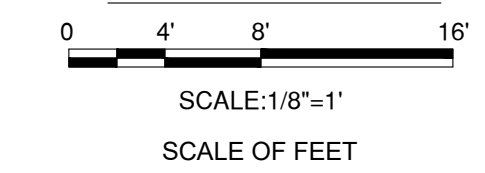
Technology/AV/Security
Codetta, LLC
7506 Richfield Road
Springfield, VA, 22153
703.972.0700

Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA, 20187
540.347.5001

PROJECT # 21085

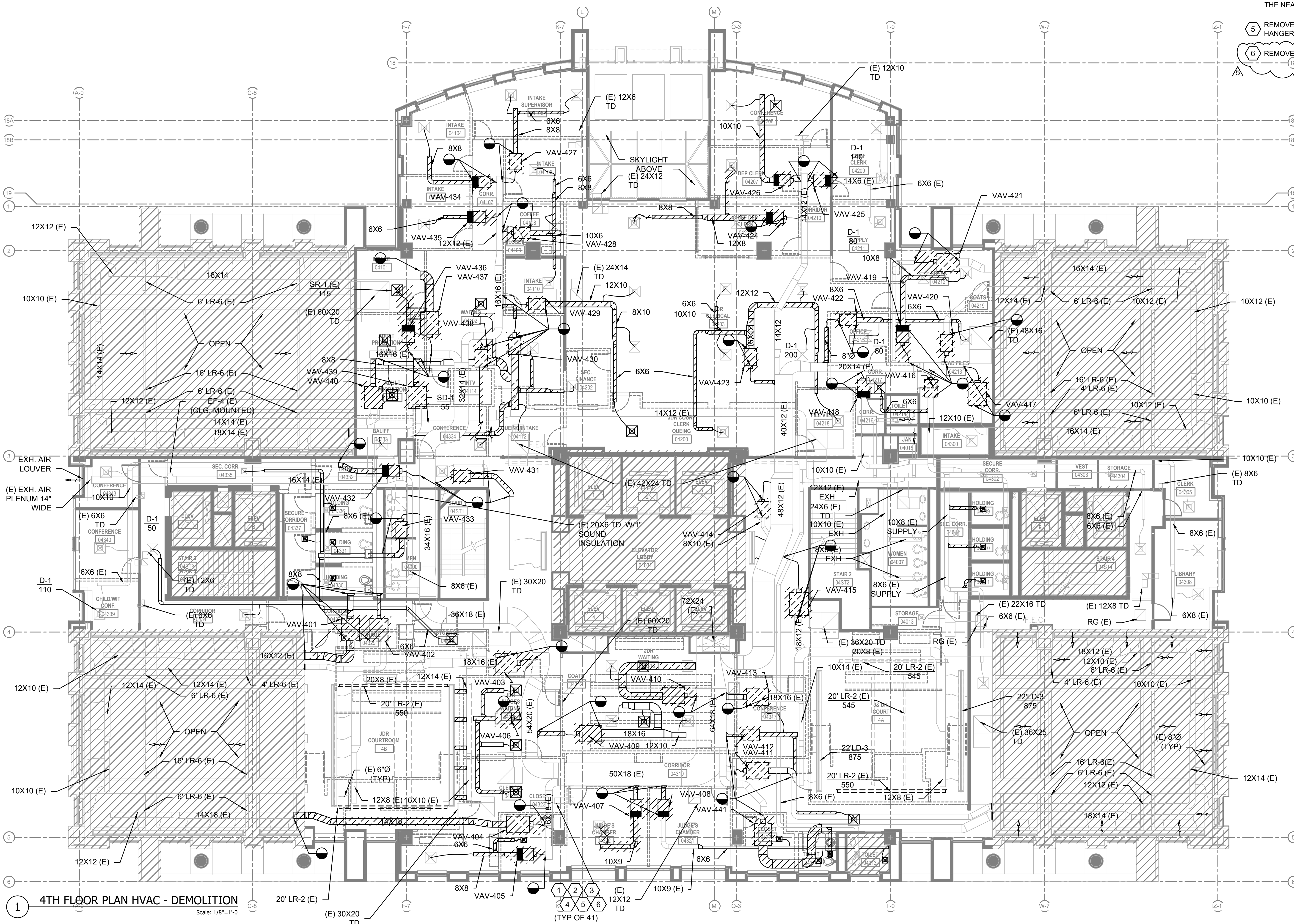
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02/22/2024	BIDDING CLARIFICATIONS 5

GRAPHIC SCALE



SCALE: 1/8"=1'-0"

SCALE OF FEET



1 4TH FLOOR PLAN HVAC - DEMOLITION
Scale: 1/8"=1'-0"

DRAWN: MR	CHECKED: JMC
SCALE: AS INDICATED	
SHEET TITLE: FLOOR PLAN LEVEL 4 HVAC - DEMOLITION	
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SHEET #	

GENERAL NOTES

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2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR CEILING GRID AND TILE REMOVAL REQUIREMENTS.
3. REFER TO ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
4. HATCHED AREA INDICATED DEMOLITION UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

1. PREPARE (E) VARIABLE AIR VOLUME BOX FOR REMOVAL. LO / TO, OR TURN "OFF" THE VAV BOX'S ASSOCIATED ELECTRICAL POWER BREAKER AT THE SOURCE PANEL PRIOR TO REMOVAL ACTIVITIES. (SEE ELECTRICAL DWGS FOR ADDITIONAL REQUIREMENTS).
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4. DISCONNECT AND REMOVE RECTANGULAR, LOW-PRESSURE, SHEET-METAL SUPPLY AIR DUCTWORK FROM THE VAV BOX, OR ITS RE-HEAT COIL COLLAR, TO THE NEAREST DOWNSTREAM DUCT JOINT.
5. REMOVE VAV BOX COMPLETE. REMOVE ALL ASSOCIATED VAV BOX AND PIPE HANGERS UP TO STRUCTURE, AND PREP AREA FOR NEW VAV BOX INSTALLATION.



4TH FLOOR COURTS RENOVATION

Arlington County
1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
46500 Lake Center Plaza, Suite 309
Potomac Falls, VA, 20155
571.323.0320

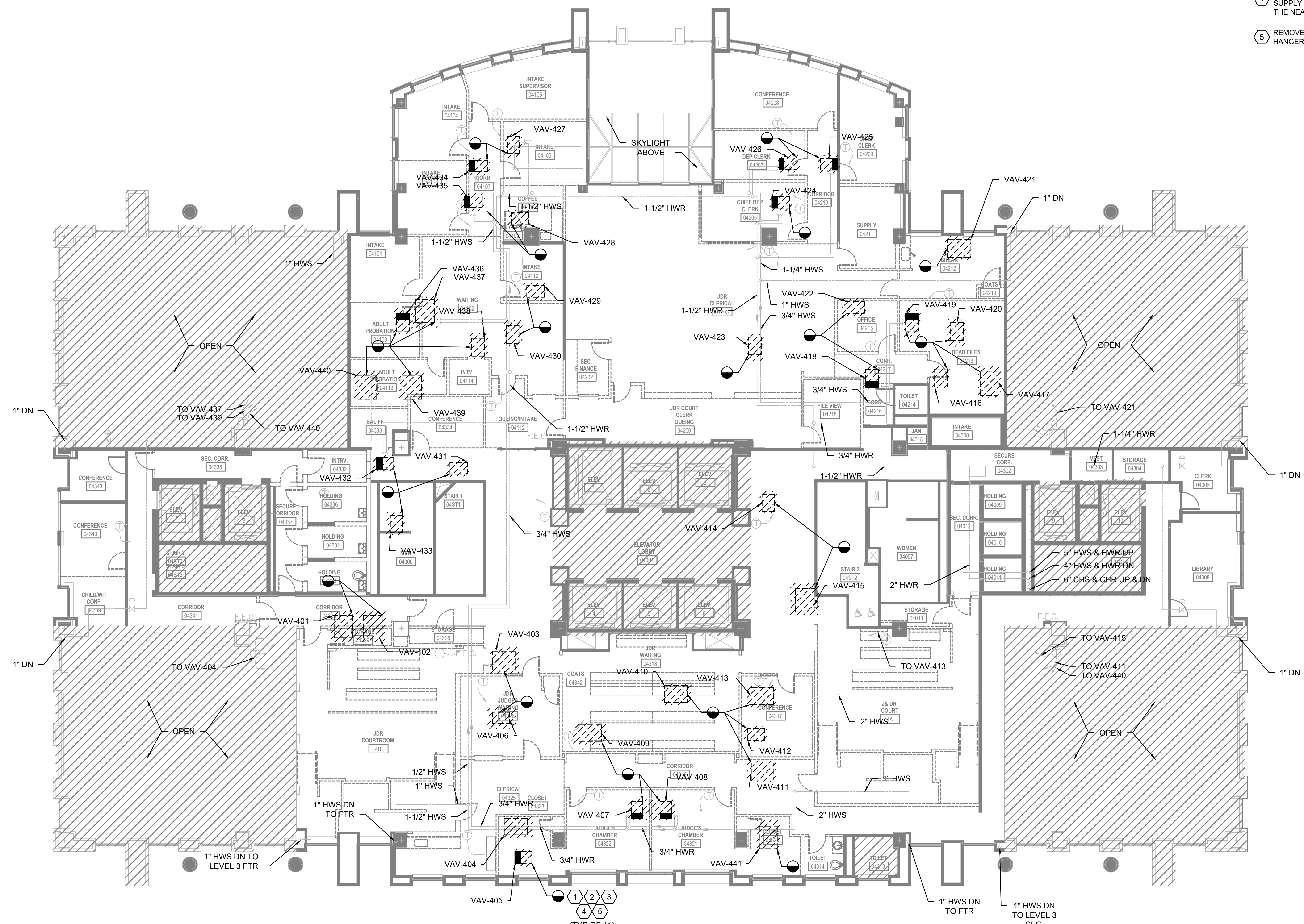
MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7506 Richfield Road
Springfield, VA 22153
703.972.8700

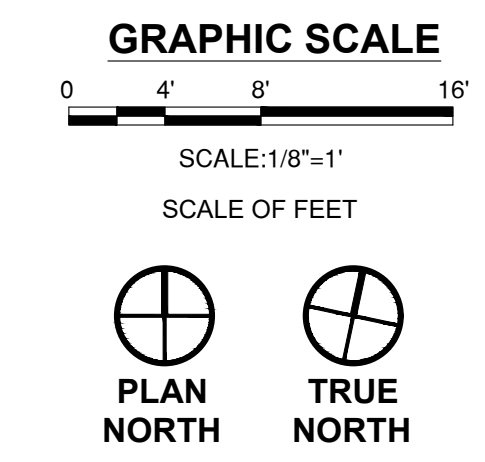
Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA 20187
540.347.5001

PROJECT # 21085

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02/22/2024	BIDDING CLARIFICATIONS 5



1 4TH FLR HVAC PIPING - DEMOLITION
Scale: 1/8"=1'-0"



DRAWN: MFR	CHECKED: JMC
SCALE: AS INDICATED	
SHEET TITLE: FLOOR PLAN LEVEL 4 HVAC-PIPING - DEMO	
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SHEET #	

GENERAL NOTES

1. ALL WORK ON 3RD FLOOR SHALL BE COORDINATED TO OCCUR DURING NON-BUSINESS HOURS (AFTER 5:30 PM, AND BEFORE 7:30 AM) AND ON WEEKENDS ONLY.
2. CONTRACTOR IS RESPONSIBLE TO PERFORM WORK DURING NON-BUSINESS HOURS, AND SHALL ENSURE THAT THE AREA OF WORK BE RETURNED TO A CONDITION CONDUCTIVE FOR THE WORKDAY. HENCE THE AREA SHALL BE CLEANED, CEILING TILES SHALL BE IN PLACE, NO TOOLS OR TEMPORARY PARTITIONS, FLOOR COVERING, DESK COVERING SHALL BE REMAIN IN THESE WORK AREAS TO CAUSE ANY INTERRUPTIONS TO THE USERS.
3. ALL EQUIPMENT AND SYSTEMS SHOWN ARE EXISTING AND OPERATIONAL; AND, SHALL REMAIN SO UNLESS SPECIFICALLY INDICATED OTHERWISE.
4. REFER TO ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
5. PROVIDE NEW ELECTRONIC THERMOSTATS FOR ALL THERMOSTATS SERVING AIR TERMINALS AND PROVIDE NEW VAV AIR TERMINALS ELECTRONIC CONTROL VALVES. REFER TO DRAWING M-102 FOR WHERE EXISTING THERMOSTATS ARE LOCATED.

NEW WORK NOTES:

- 1 VAV CONNECTION SEE DETAIL 2 ON SHEET M-502. TYP



4TH FLOOR COURTS RENOVATION

Arlington County
1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
4650 Lake Center Plaza, Suite 309
Potomac Falls, VA, 20155
571.323.0320

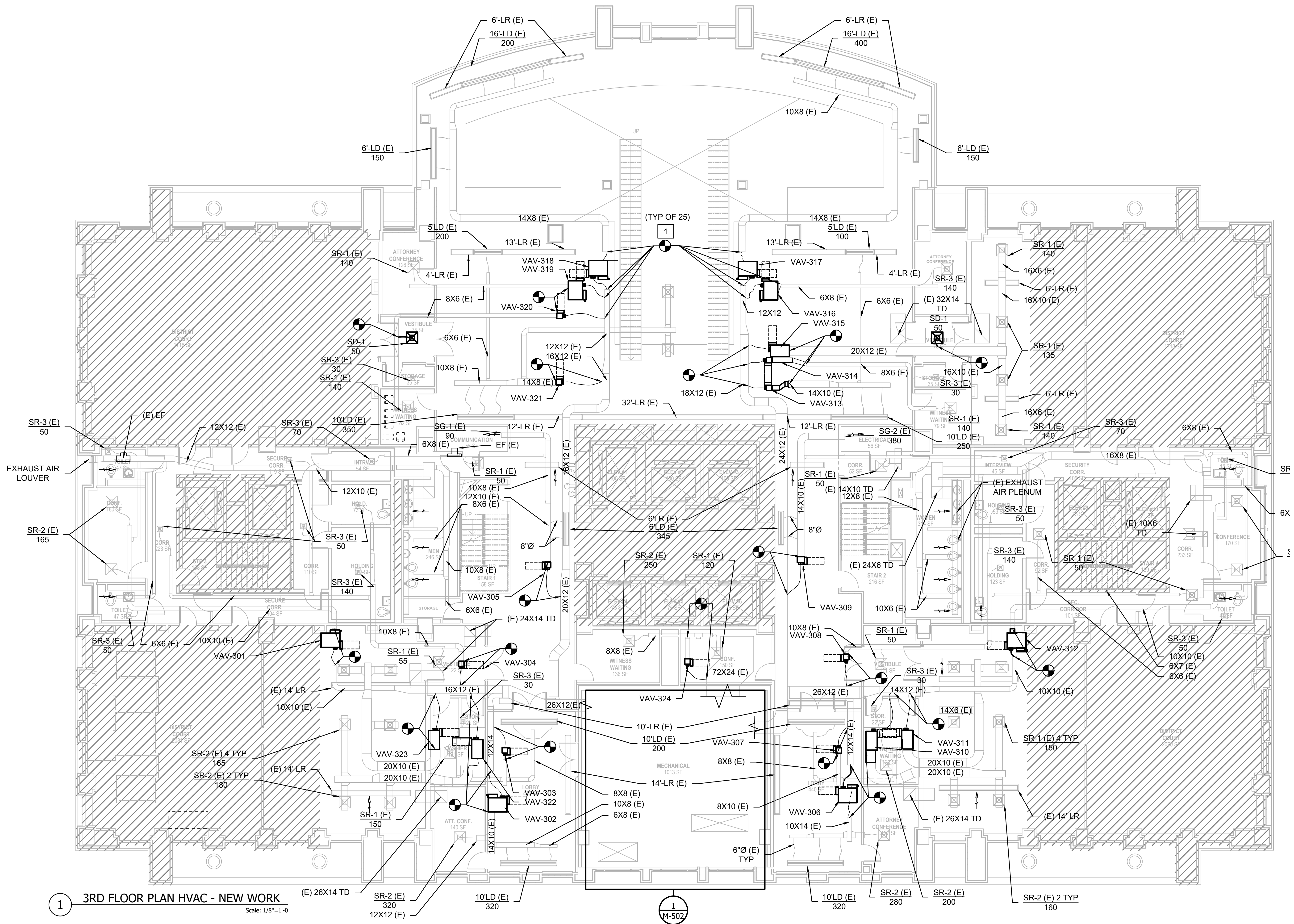
MEP / FP
Amersco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7906 Richfield Road
Springfield, VA, 22153
703.972.9700

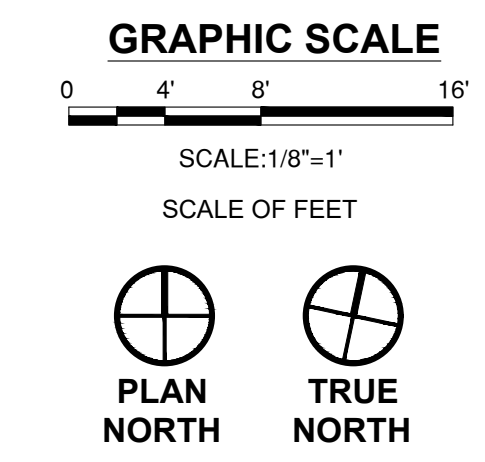
Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA, 20187
540.347.5001

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DRAWN	MR	CHECKED	JMC
SCALE:	AS INDICATED		
SHEET TITLE:	FLOOR PLAN LEVEL 3 HVAC - NEW WORK		
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SHEET #			



3RD FLOOR PLAN HVAC - NEW WORK
Scale: 1/8"=1'-0"

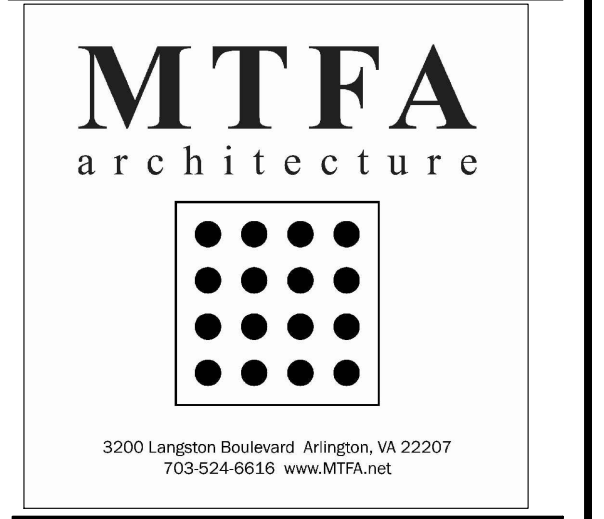


GENERAL NOTES

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3. REFER TO ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
4. PROVIDE NEW ELECTRONIC THERMOSTATS FOR ALL THERMOSTATS SERVING AIR TERMINALS AND PROVIDE NEW VAV AIR TERMINALS ELECTRONIC CONTROL VALVES. REFER TO DRAWING M-104 FOR WHERE EXISTING THERMOSTATS ARE LOCATED.

NEW WORK NOTES:

- 1 VAV CONNECTION SEE DETAIL 2 ON SHEET M-502. TYP
- 2 RELOCATED EXISTING LINEAR SUPPLY DIFFUSER ON THE SIDE OF THE CEILING DROP.
- 3 RELOCATED EXISTING LINEAR RETURN ON THE SIDE OF THE CEILING DROP.



4TH FLOOR COURTS RENOVATION
Arlington County
1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
46500 Lake Center Plaza, Suite 309
Potosi, MO 21094
571.323.0320

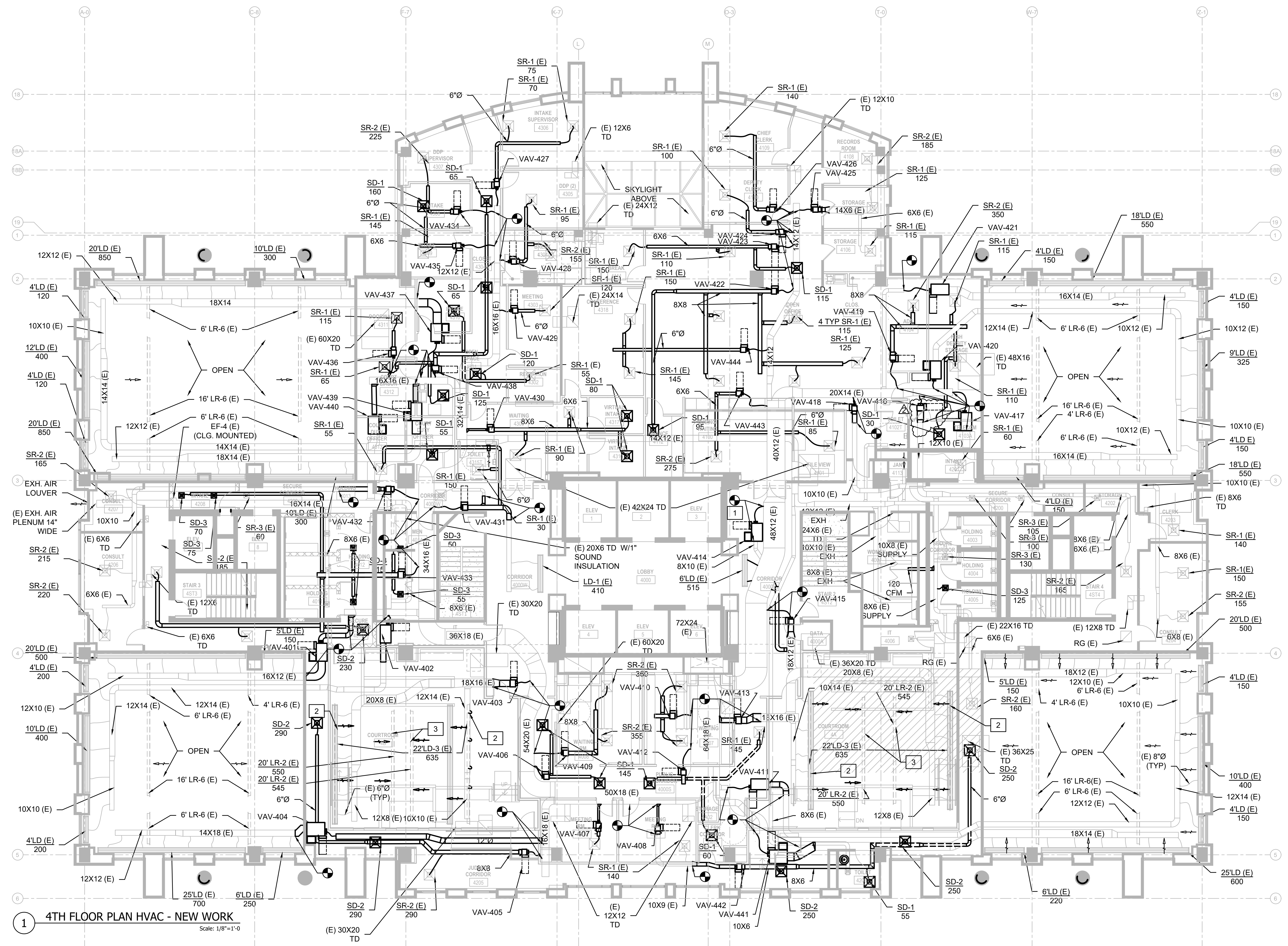
MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7906 Richfield Road
Springfield, VA 22153
703.972.0700

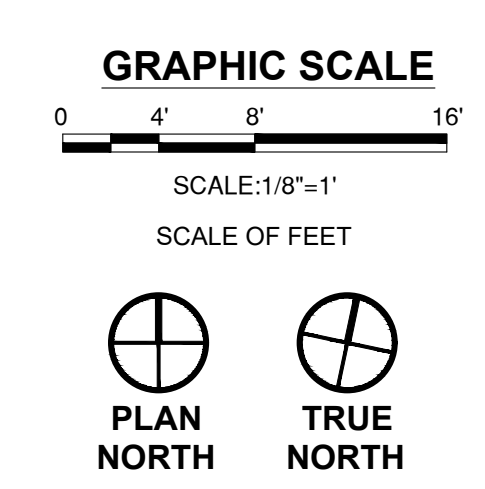
Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA 20187
540.347.5001

PROJECT # 21085

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1 4TH FLOOR PLAN HVAC - NEW WORK
Scale: 1/8"=1'-0"



DRAWN: MR
CHECKED: JMC
SCALE: AS INDICATED
SHEET TITLE: **FLOOR PLAN LEVEL 4 HVAC - NEW WORK**
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GENERAL NOTES

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3. REFER TO ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
4. HATCHED AREA INDICATED DEMOLITION UNLESS OTHERWISE NOTED.

DEMOLITION NOTES:

- 1 REMOVE PIPING ONLY TO THE EXTENT NECESSARY TO REMOVE EXISTING AHU AND INSTALL NEW AHU.
- 2 ESTABLISH AN INVENTORY OF ALL EXISTING CONTROL DEVICES, DEVICE LOCATIONS AND RELATED POWER OR CONTROL WIRING. ANY OF THIS WORK THAT MUST BE REMOVED OR IS DAMAGED DURING REMOVAL OF EXISTING AHU-3 SHALL BE REPLACED IN KIND FOR NEW AHU-3 INSTALLATION.
- 3 PRESERVE ALL CONTROL VALVES, FLEXIBLE CONNECTIONS, AIR VENTS AND OTHER DEVICES TO THE EXTENT POSSIBLE.



4TH FLOOR COURTS RENOVATION
Arlington County

1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
46500 Lake Center Plaza, Suite 309
Potomac Falls, VA, 20155
571.323.0320

MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7906 Richfield Road
Springfield, VA, 22153
703.972.9720

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6799 Kennedy Road, Unit F
Warrenton, VA, 20187
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DRAWN: M/R CHECKED: J/MC

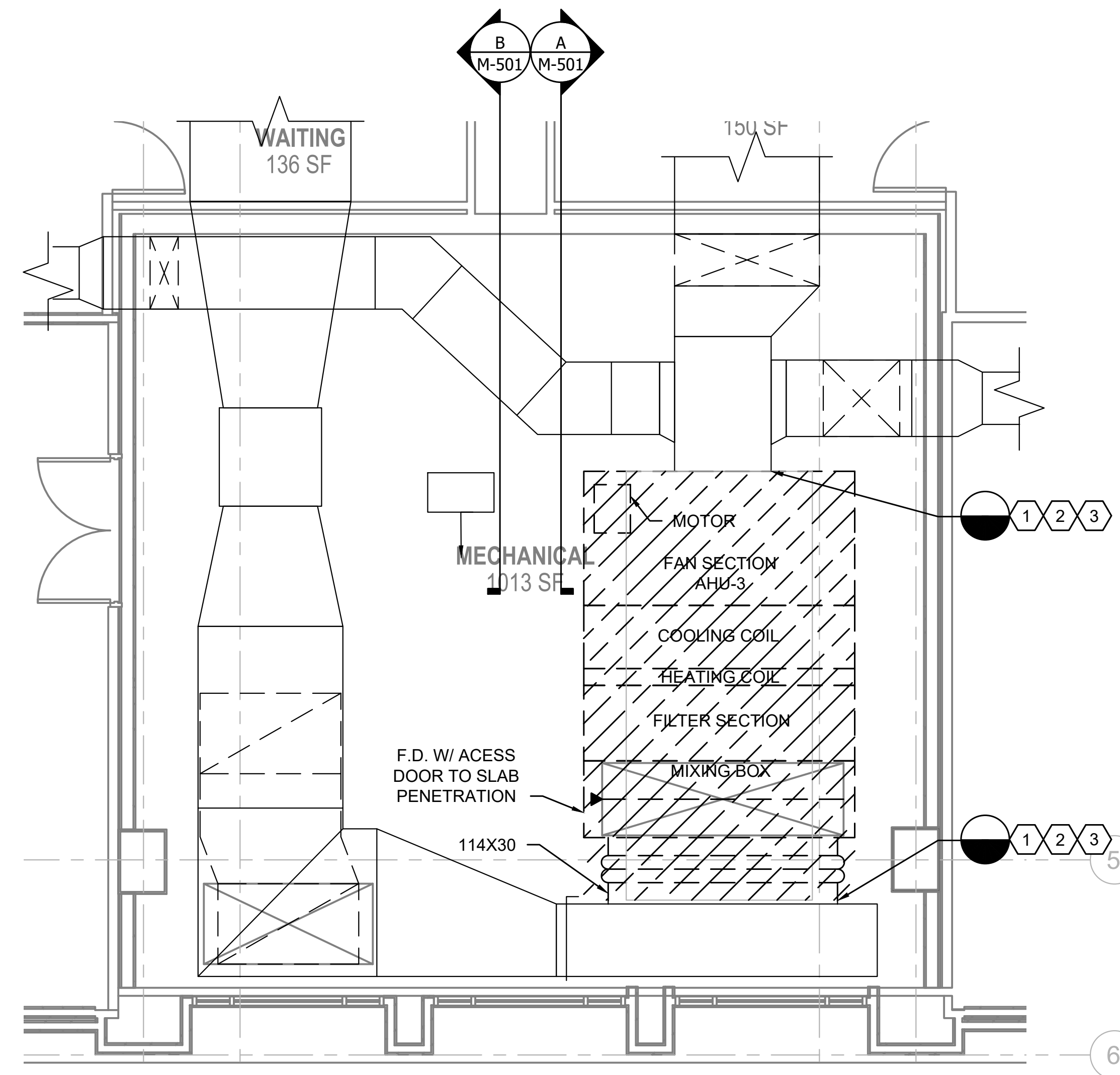
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SHEET TITLE: 3RD FLR

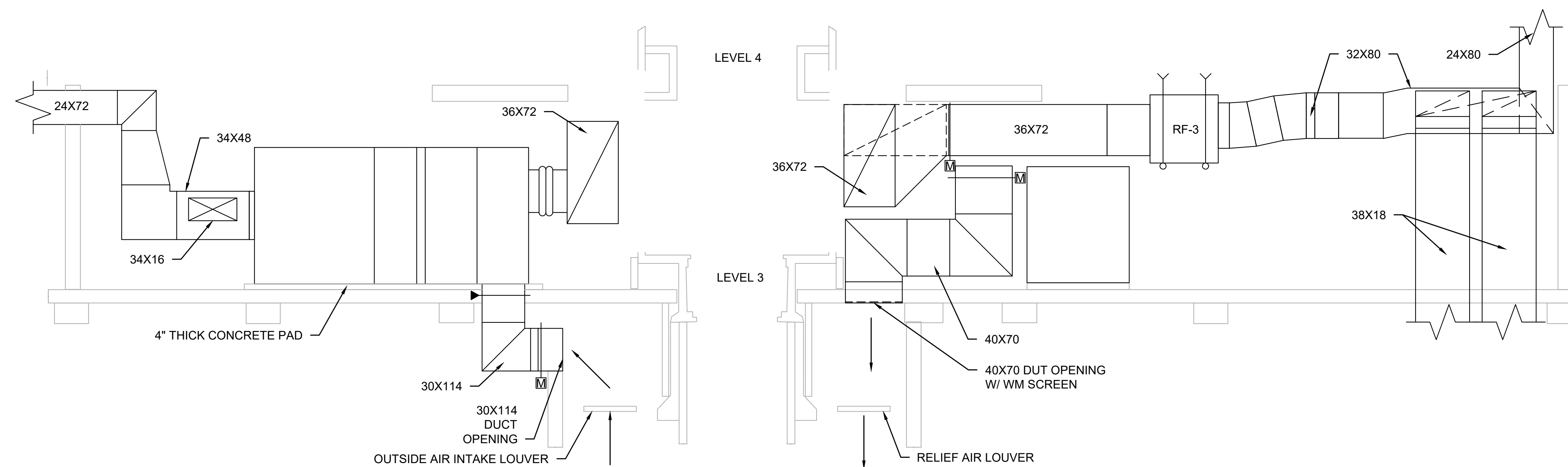
DEMOLITION DETAILS

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SHEET #

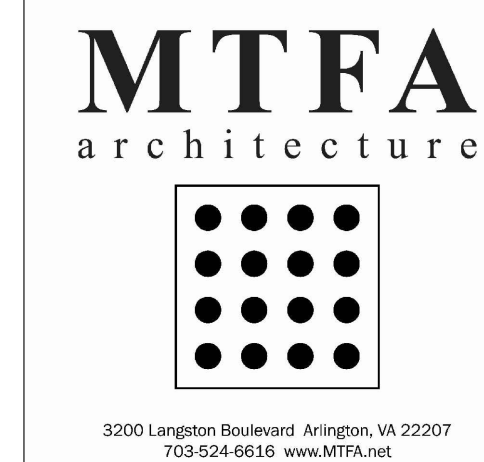


1 MECHANICAL ROOM - LEVEL 3 - DEMOLITION
Scale: 1/4"=1'-0"



A SECTION A - LEVEL 3
Scale: 1/4"=1'-0"

B SECTION B - LEVEL 3
Scale: 1/4"=1'-0"



4TH FLOOR COURTS RENOVATION
Arlington County

1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
4650 Lake Center Plaza, Suite 309
Potosi Falls, VA, 20166
571.323.0320

MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7906 Richfield Road
Springfield, VA, 22153
703.572.0720

Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA, 20187
540.347.5001

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DRAWN: MR CHECKED: JMC

SCALE: AS INDICATED

SHEET TITLE: **MECHANICAL SCHEDULES**

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M701

PLAN MARK	VARIABLE VOLUME TERMINAL SCHEDULE (EXISTING TO BE REMOVED)																REMARKS			
	PRIMARY AIR			FAN POWERED			HEATING		MAXIMUM SOUND POWER							MAXIMUM PRESSURE DROP		TYPE (NOTE 7)	MAX HEIGHT (IN.)	
	INLET SIZE IN.	CFM		FAN CFM	STATIC PRESS. FAN	MOTOR SIZE HP	BTUH	GPM	RADIATED/DISCHARGE							WATER (FT.)				AIR (IN. WC.)
		DESIGN	MIN.						BAND											
2									3	4	5	6	7							
VAV 301	8	430	90	200	0.6	1/10	9,700	1	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 302	10	600	110	280	0.6	1/4	16,800	1.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	17		
VAV 303	6	380	75	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 304	6	395	75	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 305	8	555	100	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	10		
VAV 306	10	600	110	280	0.6	1/4	16,800	1.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	17		
VAV 307	6	430	90	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 308	5	290	75	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 309	9	845	150	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	13		
VAV 310	8	480	90	1,020	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.3	S.F.	17		
VAV 311	8	480	90	1,010	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.3	S.F.	17		
VAV 312	8	420	90	200	0.6	1/10	9,700	1	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 313	6	350	75	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 314	4	170	50	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 315	10	500	100	1,500	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 316	6	140	40	100	0.6	1/10	6,000	0.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 317	10	550	110	300	0.6	1/4	17,500	1.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	17		
VAV 318	10	550	110	300	0.6	1/4	17,500	1.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	17		
VAV 319	6	140	40	100	0.6	1/10	6,000	0.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 320	4	170	50	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 321	8	550	100	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	10		
VAV 322	10	480	90	1,020	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 323	10	480	90	1,010	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 324	6	370	75	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 401	12	800	175	1,380	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 402	8	420	90	980	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 403	12	1,080	200	1,750	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 404	12	1,050	200	1,700	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 405	10	640	100	250	0.6	1/10	15,000	1.5	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 406	8	420	100	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	10		
VAV 407	8	320	70	150	0.6	1/10	9,500	1	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 408	8	470	90	200	0.6	1/10	13,800	1.5	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 409	10	585	100	1,575	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 410	10	585	100	1,575	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 411	10	420	90	980	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 412	5	285	75	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.F.	17		
VAV 413	12	1,080	200	1,750	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 414	7	345	100	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	10		
VAV 415	12	800	175	1,380	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 416	7	460	100	-	-	-	-	-	60/64	51/56	40/51	40/46	38/33	34/32	-	0.2	S.D.	10		
VAV 417	12	650	125	1,250	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 418	8	460	100	200	0.6	1/10	12,500	1.25	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 419	8	280	75	125	0.6	1/10	8,600	1	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 420	10	550	100	900	0.5	1/3	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 421	10	650	125	1,250	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 422	4	170	75	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 423	10	990	200	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	13		
VAV 424	8	440	100	200	0.6	1/10	12,500	1.25	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 425	8	360	75	160	0.6	1/10	10,000	1	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 426	8	350	75	160	0.6	1/10	10,000	1	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 427	6	180	50	100	0.6	1/10	6,500	0.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 428	6	330	90	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 429	7	525	100	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	10		
VAV 430	10	955	200	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	13		
VAV 431	6	395	90	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 432	10	430	100	250	0.6	1/10	15,000	1.5	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	17		
VAV 433	6	490	100	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 434	6	170	60	100	0.6	1/10	6,900	0.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 435	6	140	50	100	0.6	1/10	6,500	0.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 436	6	125	50	100	0.6	1/10	6,500	0.75	66/75	63/72	60/75	58/73	58/72	58/61	2	0.3	P.F.	14		
VAV 437	12	800	150	1,700	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 438	5	210	60	-	-	-	-	-	60/64	51/56	44/51	40/46	38/33	34/32	-	0.2	S.D.	8		
VAV 439	12	800	150	1,700	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		
VAV 440	10	630	100	1,150	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	17		
VAV 441	12	1,050	200	1,700	0.5	1/2	-	-	61/71	57/66	53/70	52/67	51/62	50/52	-	0.2	S.F.	20		

AIR HANDLING UNIT SCHEDULE

MARK	AIR MIXING SECTION				HEATING COIL SECTION										COOLING COIL SECTION										UNIT ELECTRICAL									
					TOTAL CAPACITY MBH	ROWS	AIR				FLUID		CAPACITY MBH		ROWS	AIR				FLUID		FAN		MOTOR DATA		VOLTAGE/ PHASE/ FREQUENCY	FLA	MCA						
	AIR FLOW CFM	MIN. O.A. CFM	FACE VELOCITY FPM	PRESSURE DROP IN. WG			EAT DB F	LAT DB F	PRESSURE DROP IN. WG	FACE VELOCITY FPM	FLOW GPM	EWT F	LWT F	WATER PD FT		TOTAL	SENSIBLE	EAT DB F	LAT DB F	EWT F	LWT F	PRESSURE DROP IN. WG	FACE VELOCITY FPM	FLOW GPM	EWT F				LWT F	WATER PD FT	TOTAL BHP	OPERATING SPEED RPM	FAN HP	SPEED
AHU-3	35.755	8.835	2.172	0.483	2,132.70	3	45	100	0.269	545	213.67	140	120	8.8	1,306.24	1033.37	6	81.26	55.00	66.20	54.22	0.704	545	280.32	44.00	54.00	6.26	50.68	2,211	15	1800	460/3/60	84	89.25

NOTES:

1. MIN O.A. CFM IS LESS THAN %25 OF TOTAL SUPPLY AIR AT NEW AHU-3.

DESIGN DATA SCHEDULE

SPACE	SUMMER INDOOR DSGN D.B. (DEG F)	SUMMER INDOOR DSGN R.H. (%)	WINTER INDOOR DSGN D.B. (DEG F)	WINTER INDOOR DSGN R.H. (%)	SUMMER O.A. DB (DEG F)	SUMMER O.A. WB (DEG F)	WINTER O.A. DB (DEG F)	WINTER O.A. WB (DEG F)	REMARKS
GENERAL	75.0	50.0	70.0	35 (MIN.)	97.5	78.0	10.0	5.0	SEE NOTES

NOTES:

1. OUTDOOR CONDITIONS BASED ON "MEDIAN OF ANNUAL EXTREMES" FOR REAGAN NATIONAL AIRPORT (DCA); ASHRAE - FUNDAMENTALS HANDBOOK, 2021 ED.

AIR DEVICE SCHEDULE

MARK NO	SERVICE	TYPE	FACE SIZE (IN)	INLET SIZE (IN)	CFM RANGE	BASIS OF DESIGN	REMARKS
SD-1	SUPPLY	DIFFUSER	24X24	6" Ø	0-175	PRICE	
SD-2	SUPPLY	DIFFUSER	24X24	8" Ø	176-300	PRICE	
SD-3	SUPPLY	DIFFUSER	12X12	6" Ø	0-175	PRICE	
SR-1	SUPPLY	REGISTER	24X24	6" Ø	0-150	-	EXISTING
SR-2	SUPPLY	REGISTER	24X24	8" Ø	151-360	-	EXISTING
SR-3	SUPPLY	REGISTER	12X12	6" Ø	0-150	-	EXISTING
LD-3	SUPPLY	LINEAR DIFFUSER	VARIABLES	6" Ø	UP TO 635	-	EXISTING
LR-3	RETURN	LINEAR RETURN	VARIABLES	6" Ø	UP TO 550	-	EXISTING
RG-1	RETURN	REGISTER	24X24	-	-	-	EXISTING
EXH-1	EXHAUST	EXHAUST	12X12	6" Ø	0-100	-	EXISTING

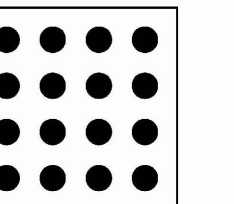
VAV SCHEDULE 3RD FLOOR

VAV#	UNIT MODEL	MANUFACTURE	PRIMARY INLET	DESIGN COOLING AIRFLOW CFM	MIN COOLING AIRFLOW CFM	VALVE HEATING AIRFLOW CFM	Height	Length	Width	Service Clearance
VAV-301	VPWF (Parallel Fan Hot Water Heat)	TRANE	8"	430	215	215	15.5"	40"	30"	36"
VAV-302	VPWF (Parallel Fan Hot Water Heat)	TRANE	10"	600	165	165	15.5"	40"	30"	36"
VAV-303	VCCF (Cooling Only)	TRANE	6"	380	75	75	9.5"	11.5"	11.5"	36"
VAV-304	VCCF (Cooling Only)	TRANE	6"	395	75	75	9.5"	11.5"	11.5"	36"
VAV-305	VCCF (Cooling Only)	TRANE	6"	555	105	105	9.5"	11.5"	11.5"	36"
VAV-306	VPWF (Parallel Fan Hot Water Heat)	TRANE	10"	600	165	165	15.5"	40"	30"	36"
VAV-307	VCCF (Cooling Only)	TRANE	6"	430	90	90	9.5"	11.5"	11.5"	36"
VAV-308	VCCF (Cooling Only)	TRANE	5"	290	75	75	9.5"	11.5"	11.5"	36"
VAV-309	VCCF (Cooling Only)	TRANE	10"	845	165	165	13.5"	15.5"	12"	36"
VAV-310	VSCF (Series Fan Cooling Only)	TRANE	8"	460	105	105	17.5"	40"	24"	36"
VAV-311	VSCF (Series Fan Cooling Only)	TRANE	8"	460	105	105	17.5"	40"	24"	36"
VAV-312	VPWF (Parallel Fan Hot Water Heat)	TRANE	8"	420	105	105	15.5"	40"	30"	36"
VAV-313	VCCF (Cooling Only)	TRANE	6"	350	75	75	9.5"	11.5"	11.5"	36"
VAV-314	VCCF (Cooling Only)	TRANE	5"	170	50	50	9.5"	11.5"	11.5"	36"
VAV-315	VSCF (Series Fan Cooling Only)	TRANE	10"	550	165	165	17.5"	40"	24"	36"
VAV-316	VPWF (Parallel Fan Hot Water Heat)	TRANE	5"	140	100	100	15.5"	40"	30"	36"
VAV-317	VPWF (Parallel Fan Hot Water Heat)	TRANE	10"	550	165	165	15.5"	40"	30"	36"
VAV-318	VPWF (Parallel Fan Hot Water Heat)	TRANE	8"	550	165	165	15.5"	40"	30"	36"
VAV-319	VPWF (Parallel Fan Hot Water Heat)	TRANE	5"	140	140	140	15.5"	40"	30"	36"
VAV-320	VCCF (Cooling Only)	TRANE	5"	170	50	50	9.5"	11.5"	11.5"	36"
VAV-321	VCCF (Cooling Only)	TRANE	8"	550	105	105	9.5"	11.5"	11.5"	36"
VAV-322	VSCF (Series Fan Cooling Only)	TRANE	10"	510	165	165	17.5"	40"	24"	36"
VAV-323	VSCF (Series Fan Cooling Only)	TRANE	10"	510	165	165	17.5"	40"	24"	36"
VAV-324	VCCF (Cooling Only)	TRANE	6"	370	75	75	9.5"	11.5"	11.5"	36"

VAV SCHEDULE 4TH FLOOR

VAV#	UNIT MODEL	MANUFACTURE	PRIMARY INLET	DESIGN COOLING AIRFLOW CFM	MIN COOLING AIRFLOW CFM	VALVE HEATING AIRFLOW CFM	Height	Length	Width	Service Clearance
VAV-401	VSCF (Series Fan Cooling Only)	TRANE	10"	845	425	425	16"	40"	40"	36"
VAV-402	VSCF (Series Fan Cooling Only)	TRANE	6"	445	225	225	18"	44"	30"	36"
VAV-403	VCCF (Cooling Only)	TRANE	10"	1270	635	635	13.5"	21"	16"	36"
VAV-404	VSCF (Series Fan Cooling Only)	TRANE	12"	1100	855	855	17.5"	46"	44"	36"
VAV-405	VCWF (Hot Water Heating)	TRANE	8"	870	435	435	11.5"	22"	18"	36"
VAV-406	VCCF (Cooling Only)	TRANE	6"	290	145	145	9.5"	17"	16"	36"
VAV-407	VCWF (Hot Water Heating)	TRANE	4"	140	70	70	9.5"	25"	17"	36"
VAV-408	VCWF (Hot Water Heating)	TRANE	4"	140	70	70	17.5"	21"	16.5"	36"
VAV-409	VCCF (Cooling Only)	TRANE	8"	715	360	360	11.5"	18"	15.5"	36"
VAV-410	VCCF (Cooling Only)	TRANE	8"	715	360	360	11.5"	18"	15.5"	36"
VAV-411	VSCF (Series Fan Cooling Only)	TRANE	6"	400	200	200	17.5"	44"	29"	36"
VAV-412	VCCF (Cooling Only)	TRANE	6"	350	175	175	9.5"	17"	16"	36"
VAV-413	VCCF (Cooling Only)	TRANE	10"	1270	635	635	13.5"	21"	16"	36"
VAV-414	VSCF (Series Fan Cooling Only)	TRANE	8"	765	420	420	17.5"	44"	40"	36"
VAV-415	VCCF (Cooling Only)	TRANE	8"	515	260	260	11.5"	18"	15.5"	36"
VAV-416	VCCF (Cooling Only)	TRANE	10"	1070	535	535	13.5"	21"	16.5"	36"
VAV-417	VSCF (Series Fan Cooling Only)	TRANE	8"	710	375	375	17.5"	44"	40"	36"
VAV-418	VCWF (Hot Water Heating)	TRANE	6"	445	225	225	9.5"	22.5"	17"	36"
VAV-419	VCWF (Hot Water Heating)	TRANE	8"	605	0	310	11.5"	22"	18"	36"
VAV-420	VSCF (Series Fan Cooling Only)	TRANE	8"	605	320	320	18"	44"	30"	36"
VAV-421	VSCF (Series Fan Cooling Only)	TRANE	8"	710	375	375	18"	44"	30"	36"
VAV-422	VCCF (Cooling Only)	TRANE	8"	680	340	340	11.5"	18"	15.5"	36"
VAV-423	VCWF (Hot Water Heating)	TRANE	6"	375	225	225	9.5"	22.5"	17"	36"
VAV-424	VCWF (Hot Water Heating)	TRANE	4"	100	75	75	9.5"	25"	17"	36"
VAV-425	VCWF (Hot Water Heating)	TRANE	6"	425	225	225	9.5"	22.5"	17"	36"
VAV-426	VCWF (Hot Water Heating)	TRANE	4"	140	0	75	9.5"	25"	17"	36"
VAV-427	VCWF (Hot Water Heating)	TRANE	4"	145	0	80	9.5"	25"	17"	36"
VAV-428	VCWF (Hot Water Heating)	TRANE	5"	250	0	125	9.5"	25"	17"	36"
VAV-429	VCCF (Cooling Only)	TRANE	4"	120	75	75	9.5"	18.5"	17"	36"
VAV-430	VCCF (Cooling Only)	TRANE	5"	340	175	175	9.5"	18.5"	17"	36"
VAV-431	VCCF (Cooling Only)	TRANE	8"	700	350	350	11.5"	18"	15.5"	36"
VAV-432	VCWF (Hot Water Heating)	TRANE	8"	600	325	325	11.5"	22"	18"	36"
VAV-433	VCCF (Cooling Only)	TRANE	10"	910	455	455	13.5"	21"	16.5"	36"
VAV-434	VCWF (Hot Water Heating)	TRANE	4"	225	120	120	9.5"	25"	17"	36"
VAV-435	VCWF (Hot Water Heating)	TRANE	5"	305	155	155	9.5"	25"	17"	36"
VAV-436	VCWF (Hot Water Heating)	TRANE	4"	110	75	75	9.5"	25"	17"	36"
VAV-437	VSCF (Series Fan Cooling Only)	TRANE	10"	1055	535	535	17.5"	44"	35"	36"
VAV-438	VCCF (Cooling Only)	TRANE	8"	560	285	285	11.5"	18"	15.5"	36"
VAV-439	VSCF (Series Fan Cooling Only)	TRANE	10"	1055	535	535	17.5"	44"	35"	36"
VAV-440	VSCF (Series Fan Cooling Only)	TRANE	8"	830	425	425	17.5"	44"	40"	36"
VAV-441	VSCF (Series Fan Cooling Only)	TRANE	10"	1005	510	510	17.5"	44"	40"	36"
VAV-442	VCWF (Hot Water Heating)	TRANE	8"	805	410	410	11.5"	22"	18"	36"
VAV-443	VCCF (Cooling Only)	TRANE	6"	360	200	200	9.5"	17"	16"	36"
VAV-444	VCCF (Cooling Only)	TRANE	5"	295	155	155	9.5"	18.5"	17"	36"

MTFA
architecture



3300 Langston Boulevard, Arlington, VA 22207
703.524.6616 www.MTFA.com

4TH FLOOR COURTS RENOVATION

Arlington County

1425 N COURTHOUSE RD
ARLINGTON, VA 22201

Structural
Linton Engineering
46500 Lake Center Plaza, Suite 309
Potosi Falls, VA, 20165
571.323.0320

MEP / FP
Ameresco
8825 Stanford Blvd, Unit 210
Columbia, MD 21045
443.276.8300

Technology/AV/Security
Codetta, LLC
7906 Richfield Road
Springfield, VA, 22153
703.972.6726

Cost Estimator
Downey & Scott, LLC
6799 Kennedy Road, Unit F
Warrenton, VA, 20187
540.347.5001

PROJECT # 21085

DATE	ISSUE
07/14/2023	CONSTRUCTION DOCUMENTS
08/16/2023	PERMIT SET
10/06/2023	PERMIT REVISION 1
12/12/2023	PERMIT REVISION 2
12/29/2023	PERMIT REVISION 3
02/15/2024	BIDDING CLARIFICATIONS 4
02/22/2024	BIDDING CLARIFICATIONS 5

DRWN: JMC CHECKED: JMC

SCALE: AS INDICATED

SHEET TITLE: **MECHANICAL SCHEDULES**

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SHEET #

M702

Project Name: MTFA Arlington Courthouse LEVEL 3								
Room #	Description	Area ft2	Human Outdoor Air Rate, Rp cfm/person	Area Outdoor Air Rate, Ra cfm/ft2	Occupant Density #/1,000 ft2	Air Distribution Configuration Ez	Required OA (CFM)	TOTAL SUPPLY (CFM)
03000	Men's Toilet (Public)	304	5	0.06	0	0.8	20	0
03001	Corridor	41	5	0.06	0	0.8	5	50
03002	Public Lobby (W)	478	5	0.06	10	0.8	80	345
03003	Janitor's Closet	55	5	0.06	0	0.8	5	0
03ST1	Stair Tower #1	178	5	0.06	0	0.8	15	0
03004	Public Elevator	454	5	0.06	0	0.8	30	0
ELEV 1	Elevator #1	111	5	0.06	0	0.8	10	0
ELEV 2	Elevator #2	109	5	0.06	0	0.8	10	0
ELEV 3	Elevator #3	110	5	0.06	0	0.8	10	0
ELEV 4	Elevator #4	84	5	0.06	0	0.8	10	0
ELEV 5	Elevator #5	83	5	0.06	0	0.8	5	0
ELEV 6	Elevator #6	85	5	0.06	0	0.8	10	0
03005	Comms. / IT	70	5	0.06	0	0.8	5	90
03006	NW Lobby	1,858	5	0.06	10	0.8	165	550
03007 W	Balcony (W)	750	5	0.06	8	0.8	85	350
03007 E	Balcony (E)	765	5	0.06	8	0.8	90	550
03008	NE Lobby	1,851	5	0.06	10	0.8	165	350
03009	Electrical Room	63	5	0.06	0	0.8	5	380
03010	Public Lobby (E)	479	5	0.06	10	0.8	80	345
03011	Public Corridor	59	5	0.06	0	0.8	5	50
03012	Storage Closet	26	5	0.06	0	0.8	5	30
03013	Security Corridor	120	5	0.06	0	0.8	10	0
03014	Women's Toilet (Public)	360	5	0.06	0	0.8	25	0
03ST2	Stair Tower #2	259	5	0.06	0	0.8	20	0
03015	Storage Closet	42	5	0.06	0	0.8	5	30
03016	Public Lobby (SE)	239	5	0.06	10	0.8	65	0
03017	Big Waiting Lobby (SE)	468	5	0.06	30	0.8	180	520
03018	Mechanical Rm	1,131	5	0.06	0	0.8	70	0
03019	Big Waiting Lobby (SW)	469	5	0.06	30	0.8	180	520
03020	Public Lobby (SW)	239	5	0.06	10	0.8	65	0
03100	District Courtroom 3D	1,943	5	0.06	70	0.8	470	2,940
03101	Attorney Room	142	5	0.06	10	0.8	60	140
03102	3D Entrance Vestibule	84	5	0.06	0	0.8	10	50
03103	Witness Lobby	91	5	0.06	10	0.8	60	140
03104	Attorney Room	146	5	0.06	10	0.8	60	140
03105	3A Entrance Vestibule	83	5	0.06	0	0.8	10	50
03106	Witness Lobby	94	5	0.06	10	0.8	60	140
03107	District Courtroom 3A	1,497	5	0.06	70	0.8	440	2,025
03107-B	Dist. "Overhang Area"	432	5	0.06	15	0.8	105	550
03108	Women's Toilet	68	5	0.06	0	0.8	5	50
03109	Conference Rm.	193	5	0.06	50	0.8	265	320
03110	Storage Closet	43	5	0.06	0	0.8	5	30
03111	Corridor	257	5	0.06	0	0.8	20	50
03112	Men's Toilet	68	5	0.06	0	0.8	5	50
03ST4	Stair Tower #4	178	5	0.06	0	0.8	15	0
ELEV 9	Elevator #9	96	5	0.06	0	0.8	10	0
ELEV 10	Elevator #10	94	5	0.06	0	0.8	10	0
DW 2	Dumbwaiter #2	16	5	0.06	0	0.8	5	0
03113	District Courtroom 3B	1,497	5	0.06	70	0.8	440	2,170
03113-B	Dist. "Overhang Area"	757	5	0.06	15	0.8	125	920
03114	Security Corridor	117	5	0.06	0	0.8	10	0
03115	"Holding" Cell	163	5	0.06	1	0.8	15	140
03116	"Holding" Cell	83	5	0.06	1	0.8	10	50
03117	Security Corridor	108	5	0.06	0	0.8	10	50
03118	Interview Rm.	60	5	0.06	2	0.8	15	70
03119	3B Entrance Vestibule	133	5	0.06	0	0.8	10	50
03120	Attorney Conference	158	5	0.06	50	0.8	260	280
03121	Witness Waiting	134	5	0.06	30	0.8	160	200
03122	Meeting Rm.	178	5	0.06	10	0.8	65	120
03123	Cashier	135	5	0.06	2	0.8	20	150
03124	Attorney Meeting Rm	157	5	0.06	10	0.8	60	280
03125	Witness Lobby	163	5	0.06	10	0.8	60	250
03126	3C Entrance Vestibule	133	5	0.06	0	0.8	10	55
03127	District Courtroom 3C	1,507	5	0.06	70	0.8	445	2,400
03127-B	Dist. "Overhang Area"	756	5	0.06	15	0.8	125	1,020
03128	Security Corridor	119	5	0.06	0	0.8	10	0
03129	Women's Toilet	69	5	0.06	0	0.8	5	50
03130	Conference Rm.	191	5	0.06	50	0.8	265	330
03131	Men's Toilet	70	5	0.06	0	0.8	5	50
03132	Corridor	255	5	0.06	0	0.8	20	50
03133	Security Corridor	125	5	0.06	0	0.8	10	50
03ST3	Stair Tower #3	179	5	0.06	0	0.8	15	0
ELEV 7	Elevator #7	95	5	0.06	0	0.8	10	0
ELEV 8	Elevator #8	98	5	0.06	0	0.8	10	0
DW 1	Dumbwaiter #1	17	5	0.06	0	0.8	5	0
03134	Security Corridor	128	5	0.06	0	0.8	10	50
03135	"Holding" Cell	191	5	0.06	1	0.8	20	140
03136	"Holding" Cell	85	5	0.06	1	0.8	15	50
03138	Interview Rm.	72	5	0.06	0	0.8	5	70
03139	Storage Closet	26	5	0.06	0	0.8	5	30
Total Min. O.A. Required on 3rd Floor							5300	

Project Name: MTFA Arlington Courthouse LEVEL 4								
Room #	Description	Area ft2	Human Outdoor Air Rate, Rp cfm/person	Area Outdoor Air Rate, Ra cfm/ft2	Occupant Density #/1,000 ft2	Air Distribution Configuration Ez	Required OA (CFM)	TOTAL SUPPLY (CFM)
04000	Public Elevator Lobby	0	5	0.06	0	0.8	0	0
04000 E	Public Corridor	749	5	0.06	10	0.8	95	515
04000 W	Public Corridor	687	5	0.06	10	0.8	95	560
ELEV 1	Elevator #1	112	5	0.06	0	0.8	10	0
ELEV 2	Elevator #2	110	5	0.06	0	0.8	10	0
ELEV 3	Elevator #3	112	5	0.06	0	0.8	10	0
ELEV 4	Elevator #4	85	5	0.06	0	0.8	10	0
ELEV 5	Elevator #5	84	5	0.06	0	0.8	10	0
ELEV 6	Elevator #6	86	5	0.06	0	0.8	10	0
04000 A	Data Closet	32	5	0.06	0	0.8	5	0
04ST2	Stair Tower #2	222	5	0.06	0	0.8	15	0
04001	Women's Toilet (Public)	300	5	0.06	0	0.8	20	120
04002	Security Corridor	110	5	0.06	0	0.8	10	255
04003	"Holding" Cell	60	5	0.06	1	0.8	10	0
04004	"Holding" Cell	60	5	0.06	1	0.8	10	0
04005	"Holding" Cell	59	5	0.06	1	0.8	10	0
04006	IT Closet	48	5	0.06	0	0.8	5	0
4 A	J & DR Courtroom 4 A (E)	1,167	5	0.06	70	0.8	420	1,270
04A01	J & DR Meeting Rm. (E)	168	5	0.06	10	0.8	65	140
04A02	Judge's Storage	18	5	0.06	0	0.8	5	0
04A03	Clerk Corridor	84	5	0.06	0	0.8	10	60
04007	J & DR Waiting Rm. (E)	295	5	0.06	30	0.8	170	715
04000 S(W)	Public Corridor (SW)	351	5	0.06	10	0.8	75	290
04000 S(E)	Public Corridor (SE)	351	5	0.06	10	0.8	75	290
4 B	J & DR Courtroom 4 B (W)	1,167	5	0.06	70	0.8	425	1,270
04B01	J & DR Meeting Rm. (W)	163	5	0.06	10	0.8	60	140
04008	J & DR Waiting Rm. (W)	291	5	0.06	30	0.8	170	715
04009	IT Closet	91	5	0.06	0	0.8	10	0
04010	Security Corridor	146	5	0.06	0	0.8	10	230
04011	"Holding" Cell	74	5	0.06	1	0.8	10	0
04012	"Holding" Cell	76	5	0.06	1	0.8	10	0
04013	"Holding" Cell	85	5	0.06	1	0.8	15	0
04014	Men's Toilet (Public)	235	5	0.06	0	0.8	15	105
04ST1	Stair Tower #1	178	5	0.06	0	0.8	15	0
04100	Queuing	263	5	0.06	10	0.8	70	275
04101	File Viewing Rm.	128	5	0.06	5	0.8	35	85
04102	Unisex Toilet	48	5	0.06	0	0.8	5	0
04103	High Density Storage	287	5	0.06	2	0.8	30	225
04103 A	HDS	56	5	0.06	0	0.8	5	30
04104	ADS	511	5	0.06	4	0.8	55	350
04105 (1)	Open Office (S)	750	5	0.06	5	0.8	70	585
04105 (2)	Open Office (N)	458	5	0.06	3	0.8	45	225
04105 A	Storage Closet	12	5	0.06	0	0.8	5	0
04106	Active Files Storage	97	5	0.06	1	0.8	15	115
04107	Active Files Storage	100	5	0.06	1	0.8	15	125
04108	Records Room	138	5	0.06	2	0.8	20	185
04109	Chief Clerk	188	5	0.06	3	0.8	30	140
04110	Deputy Clerk	167	5	0.06	2	0.8	20	100
04111	Break Rm.	124	5	0.06	2	0.8	20	150
04112	Finance	86	5	0.06	2	0.8	20	95
04113	Janitor's Closet	22	5	0.06	0	0.8	5	0
04200	Security Corridor	126	5	0.06	0	0.8	10	205
04201	Intake Office (8)	77	5	0.06	2	0.8	15	60
04288	Storage Closet	32	5	0.06	0	0.8	5	0
04202	Security Storage	71	5	0.06	0	0.8	5	105
04203	Clerk	120	5	0.06	2	0.8	20	140
04204	Meeting	244	5	0.06	6	0.8	45	305
04ST4	Stair Tower #4	176	5	0.06	0	0.8	15	0
ELEV 9	Elevator #9	98	5	0.06	0	0.8	10	0
ELEV 10	Elevator #10	95	5	0.06	0	0.8	10	0
DW 2	Dumbwaiter #2	16	5	0.06	0	0.8	5	0
04205 (W1)	Judge's Corridor 1 (W)	324	5	0.06	1	0.8	25	370
04205 (W2)	Judge's Corridor 2 (SW)	638	5	0.06	1	0.8	45	870
04206	Unisex Toilet	77	5	0.06	0	0.8	5	55
04205 (E3)	Judge's Corridor 3 (SE)	554	5	0.06	1	0.8	40	750
04205 (E4)	Judge's Corridor 4 (E)	299	5	0.06	1	0.8	25	325
04206	Large Meeting Rm.	250	5	0.06	6	0.8	50	435
04207	Small Meeting Rm.	99	5	0.06	4	0.8	30	165
04ST3	Stair Tower #3	183	5	0.06	0	0.8	15	0
ELEV 7	Elevator #7	102	5	0.06	0	0.8	10	0
ELEV 8	Elevator #8	97	5	0.06	0	0.8	10	0
DW 1	Dumbwaiter #1	16	5	0.06	0	0.8	5	0
04208	Intake (5)	67	5	0.06	2	0.8	15	145
04209	Security Corridor	160	5	0.06	0	0.8	10	60
04300	Intake Lobby	247	5	0.06	10	0.8	65	180
04301	Open Space	507	5	0.06	4	0.8	55	375

04302	Receptionist	63	5	0.06	1	0.8	10	55
04303	Meeting Rm.	153	5	0.06	10	0.8	60	120
04304	Break Rm.	132	5	0.06	2	0.8	20	155
04304 A	Break Rm. Closet	9	5					