

# SHEET LIST

PP001	PLUMBING COVER SHEET
PD101	PLUMBING DEMOLITION PLANS
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PL101	PLUMBING PLANS
PL101.4	PLUMBING PLANS - BID DEDUCT ITEM #4
PL102	PLUMBING PLANS
PL102.4	PLUMBING PLANS - BID DEDUCT ITEM #4
P-501	PLUMBING DETAILS, SCHEDULES

PLUMBING ABBREVIATIONS		TEMPERATURE CONTROL VALVE	
A/E	ARCHITECT/ENGINEER	TCV	TEMPERATURE CONTROL VALVE
AD	AREA DRAIN/ACCESS	TD	TEMPERATURE DIFFERENCE
AFF	ABOVE FINISH FLOOR	TD	TRENCH DRAIN
AFG	ABOVE FINISH GRADE	TDH	TOTAL DYNAMIC HEAD
AG	AIR	TEMP	TEMPERATURE
AP	ACCESS	TYP	TYPICAL
ASD	ADJUSTABLE SPEED	VTR	VENT THRU ROOF
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS	W	WASTE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	WC	WATER CLOSET
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS	WCO	WALL CLEANOUT
		WHA	WATER HAMMER ARRESTOR
		WPD	WATER PRESSURE DROP
		WSFU	WATER SUPPLY FIXTURE UNIT
BRP	REDUCED PRESSURE BACKFLOW PREVENTER		
BHP	BREAK HORSEPOWER		
BSP	BLACK STEEL PIPE		
BTU	BRITISH THERMAL UNIT		
BTUH	BRITISH THERMAL UNIT PER HOUR		
C	CELSIUS		
CFM	CUBIC FEET PER MINUTE		
CI	CAST IRON		
CO	CLEANOUT		
CV	CONTROL VALVE		
CW	COLD WATER		
DCW	DOMESTIC COLD WATER		
DFU	DRAINAGE FIXTURE UNITS		
DHW	DOMESTIC HOT WATER		
DN	DOWN		
DOE	DEPARTMENT OF ENERGY		
DS	DOWNSPOUT		
DWG	DRAWING		
DWV	DRAIN WASTE VENT		
EL	ELEVATION		
ESC	ESCUTCHEON		
ET	EXPANSION TANK		
EX	EXISTING		
F	FAHRENHEIT		
FCO	FLOOR CLEANOUT		
FD	FLOOR DRAIN		
FM	FLOW METER		
FS	FLOOR SINK		
FU	FIXTURE UNIT		
GAL	GALLON		
GCO	GRADE CLEANOUT		
GPD	GALLONS PER DAY		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
H&C	HOT AND COLD WATER		
HB	HOSE BIBB		
HD	HUB DRAIN		
HP	HORSEPOWER		
HW	HOT WATER		
HWC	HOT WATER CIRCUIT		
ID	INSIDE DIAMETER		
IPC	INTERNATIONAL PLUMBING CODE		
IWH	INSTANTANEOUS WATER HEATER		
KW	KILOWATT		
KWH	KILOWATT-HOUR		
L/S	LITER PER SECOND		
LAV	LAVATORY		
LBS/HR	POUNDS PER HOUR		
M	METER		
MBH	1000 BTUH		
MH	MANHOLE		
MSB	MOP SERVICE BASIN		
NC	NORMALLY CLOSED		
NO	NORMALLY OPEN		
NOM	NOMINAL		
NPW	NON POTABLE WATER		
NTS	NOT TO SCALE		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OFD	OVERFLOW DRAIN		
OVFL	OVERFLOW		
PA	PASCAL		
PD	PRESSURE DROP		
PP	PLUMBING		
PPM	PARTS PER MILLION		
PRS	PRESSURE REDUCING STATION		
PRV	PRESSURE REDUCING VALVE		
PSI	POUNDS PER SQUARE INCH		
PW	POTABLE WATER		
R	ROOF DRAIN		
RDL	ROOF DRAIN		
RL	ROOF LEADER		
RP	RECIRCULATION		
SAN	SANITARY		
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION		
SP	SUMP PUMP		
SQFT	SQUARE FEET		
SS	STAINLESS STEEL		
ST	STORAGE		
SW	STORM WATER		
TCV	TEMPERATURE CONTROL VALVE		
TD	TEMPERATURE DIFFERENCE		
TD	TRENCH DRAIN		
TDH	TOTAL DYNAMIC HEAD		
TEMP	TEMPERATURE		
TYP	TYPICAL		

PLUMBING PIPING SYMBOLS	
-----	DOMESTIC COLD WATER, COLD WATER
-----	DOMESTIC HOT WATER, HOT WATER
-----	DOMESTIC HOT WATER RETURN, HOT WATER RETURN
-----	MEDICAL AIR
-----	MEDICAL VACUUM
-----	LABORATORY AIR
-----	LABORATORY VACUUM
-----	ORAL EVACUATION
-----	INDUSTRIAL AIR
-----	CONDENSATE DRAIN
-----	VENT (SANITARY)
-----	WASTE
-----	SOIL, WASTE, OR SANITARY SEWER
-----	SANITARY SEWER, BELOW GRADE
-----	STORM WATER
-----	STORM WATER, BELOW GRADE
-----	SOFTEN COLD WATER
-----	FILTERED COLD WATER
-----	DRINKING WATER SUPPLY
-----	DRINKING WATER RETURN
-----	TEMPERED WATER SUPPLY
-----	TEMPERED WATER RETURN

PLUMBING VALVE SYMBOLS	
	GATE VALVE
	GLOBE VALVE
	GATE VALVE WITH 3/4" HOSE ADAPTER
	CHECK VALVE
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	MODULATING CONTROL VALVE
	TWO POSITION CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
	THREE-WAY TWO POSITION CONTROL VALVE
	PRESSURE REGULATING VALVE
	AUTOMATIC FLOW CONTROL VALVE
	PRESSURE RELIEF VALVE
	MANUAL AIR VENT
	TEST PLUG (PRESSURE/TEMPERATURE)
	AUTOMATIC AIR VENT

GENERAL PLUMBING SYMBOLS	
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	ANCHOR
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	LIMIT OF DEMOLITION
	INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES
	FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES
	STRAINER
	THERMOMETER
	PRESSURE GAGE
	FLOW ELEMENT
	CLEAN OUT
	HOSE BIB

GENERAL PIPING SYMBOLS	
	DIRECTION OF PIPE PITCH (DOWN)
	FLOW
	ANCHOR
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL
	FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL
	THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES SEE DETAIL
	THERMOMETER
	PRESSURE GAGE
	FLOW ELEMENT
	REFRIGERANT SIGHT GLASS
	TEST PLUG (PRESSURE/TEMPERATURE)
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	QUICK-COUPLE HOSE CONNECTOR

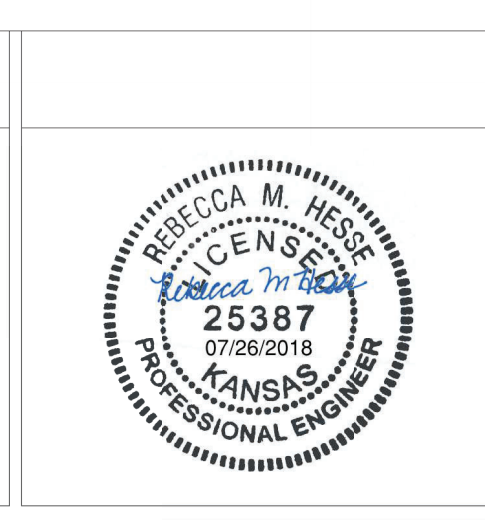
## DRAWING SYMBOLS

	DETAIL NUMBER
	DRAWING NUMBER WHERE DRAWN
	SECTION LETTER
	DRAWING NUMBER WHERE SHOWN
	BUILDING NO. WHERE EQUIPMENT IS LOCATED.
	EQUIPMENT ABBREVIATION (SUPPLY FAN)
	SUPPLY FAN NO. 3 IN BUILDING NO. 26
	TYPICAL UNIT NO.
	BUILDING NO. WHERE EQUIPMENT IS LOCATED
	ITEM (TERMINAL UNIT SHOWN)
	ITEM NUMBER (TERMINAL UNIT NO. 1)
	SERVED BY AIR HANDLER UNIT NO. 1

one eighth inch = one foot  
 one quarter inch = one foot  
 one half inch = one foot  
 three quarters inch = one foot  
 one inch = one foot  
 one and one half inches = one foot  
 two inches = one foot  
 three inches = one foot  
 four inches = one foot  
 five inches = one foot  
 six inches = one foot  
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Revisions:	Date

CONSULTANTS:  
 -



ARCHITECT/ENGINEERS:  
**m HEG**  
 ARCHITECTURE

**PEC**  
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 303 SOUTH TOPEKA WICHITA, KS 67202  
 316-262-2691 www.pec1.com

Drawing Title  
**PLUMBING COVER SHEET**

Approved: Project Director

Project Title  
 RENOVATE AND MODERNIZE HVAC SYSTEMS,  
 BUILDING B6  
 Contract No.: VA255-17-D-0080  
 Task Order No.: 36C25518N1023  
 Obligation No.: 589-C81080

Location  
**Wichita, Kansas**

Date: 07/26/18  
 Checked: BOH  
 Drawn: RMH

Project Number  
**589A7-17-300**

Building Number

Drawing Number  
**PP001**

Dwg.

Office of  
 Construction  
 and Facilities  
 Management

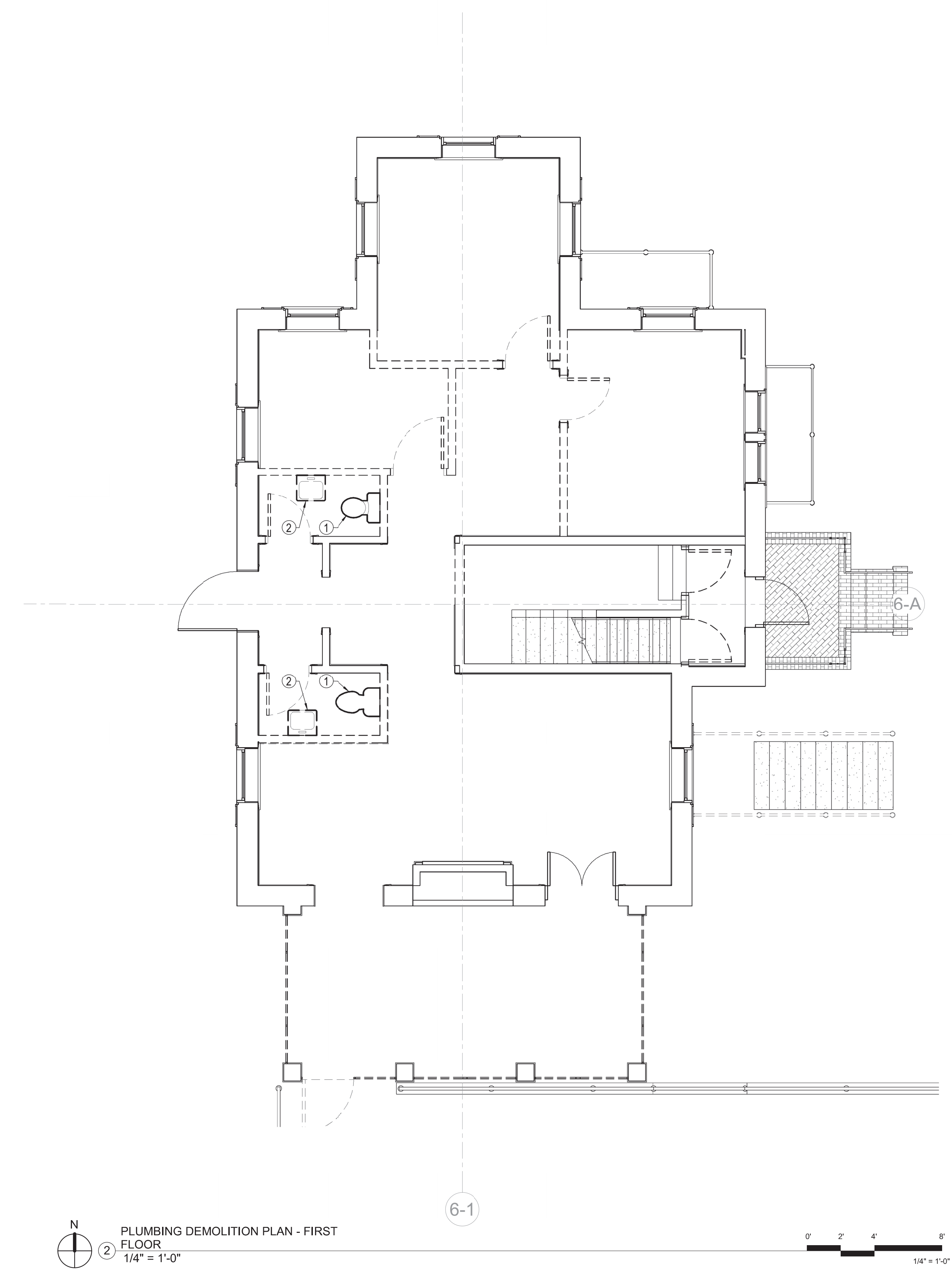
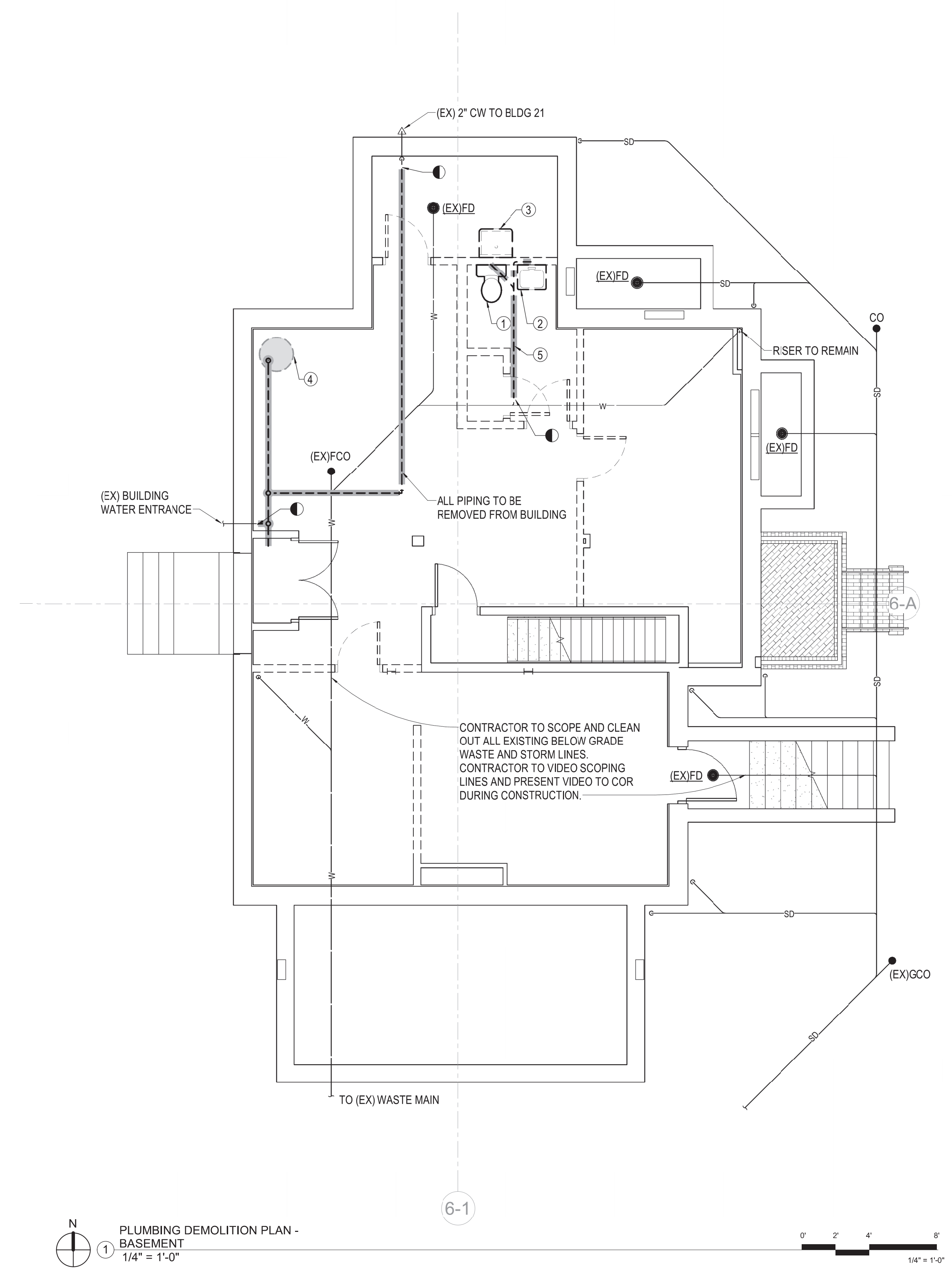
Department of  
 Veterans Affairs



three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot

- PLUMBING DEMO NOTES**
1. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.
  2. ALL CUTTING, PATCHING AND DEMOLITION WORK SHALL BE CLOSELY COORDINATED WITH THE EXISTING CONDITIONS AND THE REQUIRED NEW WORK. G.C. SHALL PATCH AND FINISH PENETRATIONS OF EXISTING SPACES TO MATCH ADJACENT SURFACES.
  3. ALL PIPING TO BE REMOVED SHALL BE CAPPED AT THE MAINS UNLESS OTHERWISE NOTED.
  4. ALL ACCESSIBLE ABANDONED PIPING SHALL BE REMOVED.
  5. ALL PLUMBING FIXTURES, ACCESSORIES, AND PIPING TO BE REMOVED FROM BUILDING.
  6. CAP WASTE PIPING BELOW FLOOR.

- PLAN NOTES**
1. EXISTING WATER CLOSET TO BE DEMOLISHED. ALL PIPING TO BE REMOVED.
  2. EXISTING LAVATORY TO BE DEMOLISHED. ALL PIPING TO BE REMOVED.
  3. EXISTING MOP SINK TO BE DEMOLISHED. ALL PIPING TO BE REMOVED.
  4. EXISTING WATER HEATER TO BE DEMOLISHED.
  5. EXISTING WASTE LINE TO BE DISCONNECTED FROM MAIN, CAPPED BELOW THE S.A.B, AND ABANDONED.



PLUMBING DEMOLITION PLAN - BASEMENT  
 1/4" = 1'-0"

PLUMBING DEMOLITION PLAN - FIRST FLOOR  
 1/4" = 1'-0"

Revisions:	Date

**CONSULTANTS:**



**ARCHITECT/ENGINEERS:**

**MHEG**  
 ARCHITECTURE

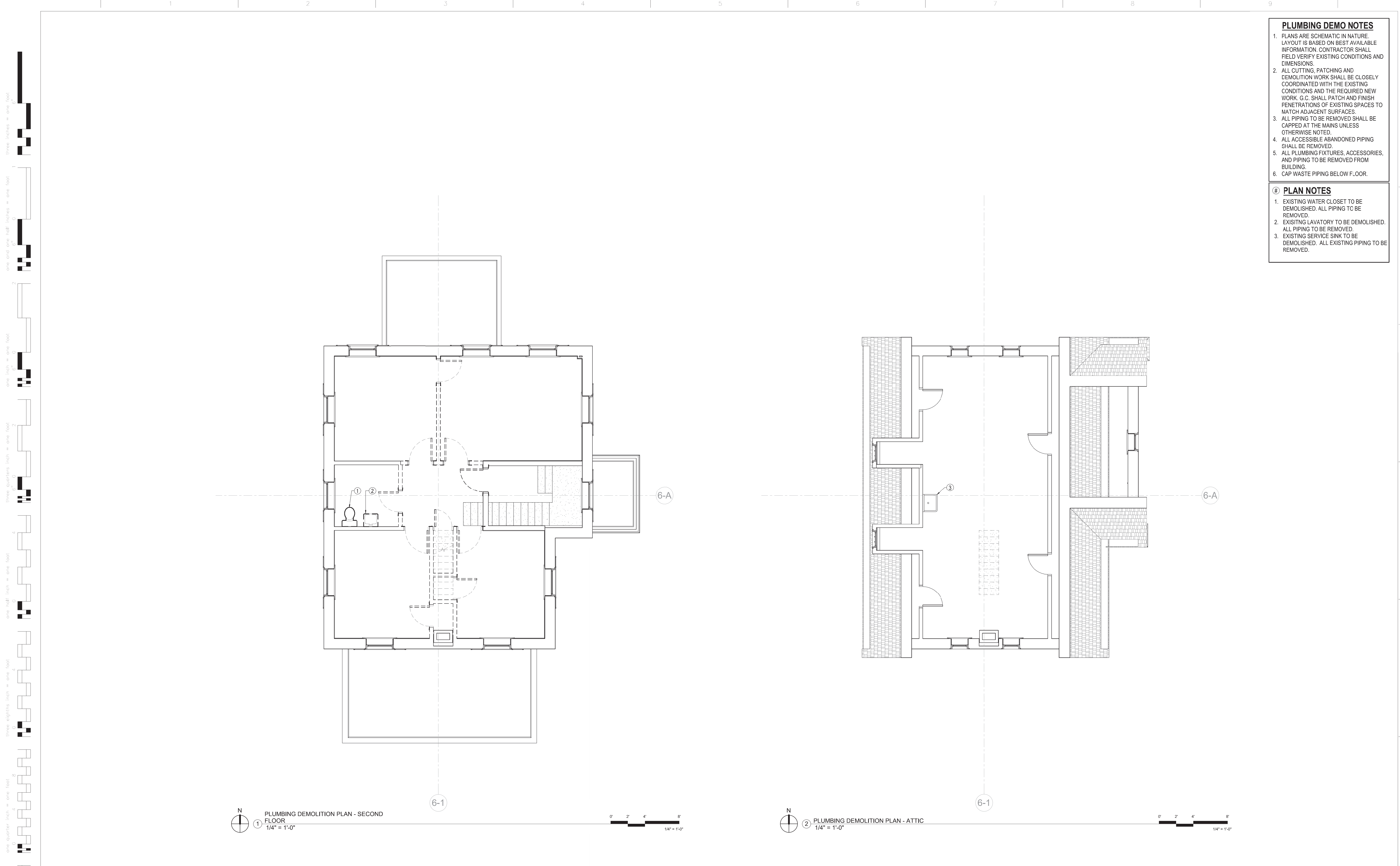


**PLUMBING DEMOLITION PLANS**

Approved: Project Director

Project Title RENOVATE AND MODERNIZE HVAC SYSTEMS, BUILDING B6 Contract No.: VA255-17-D-0080 Task Order No.: 36C25518N1023 Obligation No.: 589-C81080			Project Number 589A7-17-300
Location Wichita, Kansas			Building Number
Date 07/26/18	Checked BOH	Drawn RMH	Drawing Number <b>PD101</b>
Dwg.			Dwg.

Office of Construction and Facilities Management  
 Department of Veterans Affairs



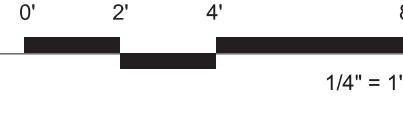
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- 6. CAP WASTE PIPING BELOW FLOOR.

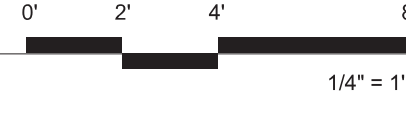
**PLAN NOTES**

- 1. EXISTING WATER CLOSET TO BE DEMOLISHED. ALL PIPING TO BE REMOVED.
- 2. EXISTING LAVATORY TO BE DEMOLISHED. ALL PIPING TO BE REMOVED.
- 3. EXISTING SERVICE SINK TO BE DEMOLISHED. ALL EXISTING PIPING TO BE REMOVED.

1 PLUMBING DEMOLITION PLAN - SECOND FLOOR  
1/4" = 1'-0"



2 PLUMBING DEMOLITION PLAN - ATTIC  
1/4" = 1'-0"



Revisions:	Date

CONSULTANTS:  
-



ARCHITECT/ENGINEERS:  
**m HEG**  
ARCHITECTURE

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Drawing Title  
**PLUMBING DEMOLITION PLANS**

Approved: Project Director

Project Title  
**RENOVATE AND MODERNIZE HVAC SYSTEMS, BUILDING B6**  
Contract No.: VA255-17-D-0080  
Task Order No.: 36C25518N1023  
Obligation No.: 589-C81080

Location  
**Wichita, Kansas**

Date	Checked	Drawn
07/26/18	BOH	RMH

Project Number  
**589A7-17-300**

Building Number

Drawing Number  
**PD102**

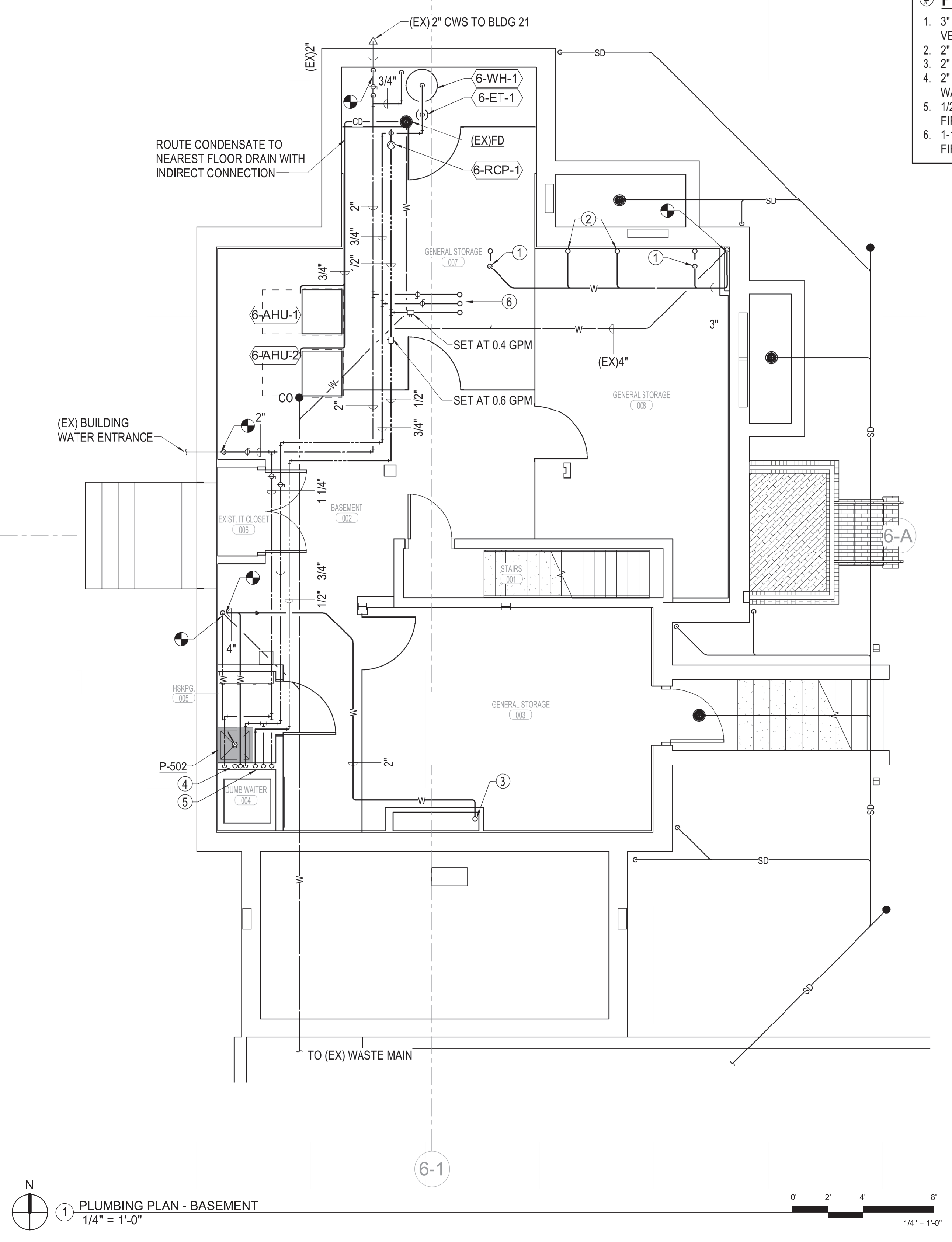
Dwg.

Office of Construction and Facilities Management

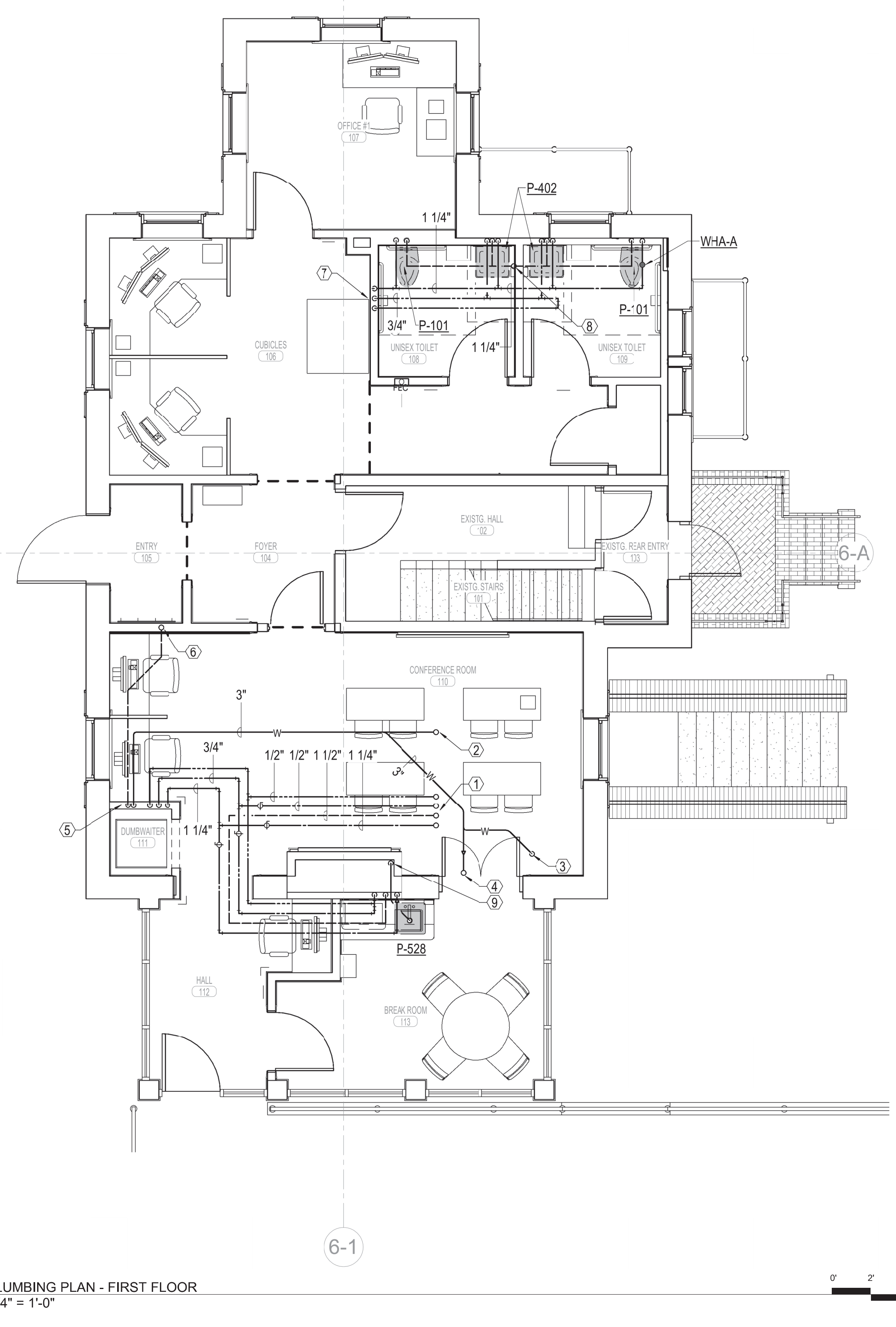
Department of Veterans Affairs



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 eleven inches = one foot  
 eleven and one half inches = one foot  
 twelve inches = one foot



- PLAN NOTES**
1. 3" WASTE UP TO WATER CLOSET AND 2" VENT UP.
  2. 2" WASTE UP TO LAVATORY.
  3. 2" WASTE UP TO SINK.
  4. 2" VENT UP TO FIRST FLOOR AND 3" WASTE DOWN FROM FIRST FLOOR.
  5. 1/2" HWC, 3/4" HW, AND 1-1/4" CW UP TO FIRST FLOOR.
  6. 1-1/2" CW, 3/4" HW, AND 1/2" HWC UP TO FIRST FLOOR.



- MECHANICAL GENERAL NOTES**
1. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
  2. CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK.
  3. ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
  4. COORDINATE WITH THE OWNER THE REMOVAL AND REPLACEMENT OF ALL EXISTING CEILINGS, WALL, ETC. AS REQUIRED FOR MECHANICAL DEMOLITION WORK.
  5. ALL CUTTING AND CHANNELING OF EXISTING NON-STRUCTURAL ELEMENTS SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THIS CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
  6. CUTTING OF STRUCTURAL MEMBERS IS NOT ALLOWED.
  7. THIS CONTRACTOR SHALL GIVE FULL COOPERATION TO THE OWNER IN THE SCHEDULING AND PROCEDURE OF WORK AND SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE FROM FREEZING TO EXISTING SYSTEMS.
  8. RELOCATE EXISTING DUCTWORK, PIPING, ELECTRICAL CONDUITS, AND CABLING AS NECESSARY TO ACCOMPLISH FINAL INSTALLATION AS SHOWN.
  9. CAP ALL EXISTING DUCTWORK SHOWN TO BE DISCONNECTED AND NOT RE-USED.
  10. COORDINATE ROUTING OF PLUMBING AND HVAC PIPING WITH DUCTWORK, LIGHTS, ARCHITECTURAL CEILING AND STRUCTURAL ELEMENTS. PIPING SHALL RISE AND DROP, JOG OR OFFSET, AS REQUIRED TO AVOID CONFLICTS. DUCTWORK SHALL TAKE PRECEDENCE OVER ALL PIPING, EXCEPT WHERE GRADE MUST BE MAINTAINED FOR DRAINAGE.
  11. ANY EXPENSES ARISING FROM LACK OF COORDINATION SHALL BE AT CONTRACTOR'S EXPENSE. ALL DUCT AND PIPE ELEVATIONS SHOWN IN PARENTHESIS ARE BOTTOM OF DUCT OR PIPE UNLESS INDICATED OTHERWISE ON PLANS.
  12. ALL SUPPLY, RETURN, AND EXHAUST BRANCHES TO GRILLES, REGISTERS, AND DIFFUSERS SHALL HAVE A MANUAL BALANCE DAMPER.
  13. PLENUM IS USED FOR RETURN AIR. KEEP PLENUM FREE OF COMBUSTIBLES, PVC PIPING, AND ANY OTHER MATERIALS NOT ALLOWED BY THE INTERNATIONAL FIRE CODE.
- PLAN NOTES**
1. 1-1/4" CW, 1/2" HW, 1/2" HWC, AND 1-1/2" VENT UP TO SECOND FLOOR.
  2. 2" WASTE UP TO SECOND FLOOR.
  3. 3" WASTE UP TO WATER CLOSET.
  4. 2" WASTE UP TO LAVATORY.
  5. 2" VENT, 3" WASTE, 1/2" HWC, 3/4" HW, AND 1-1/4" CW UP FROM BASEMENT.
  6. 2" VENT UP TO SECOND FLOOR.
  7. 1-1/2" CW, 3/4" HW, AND 1/2" HWC UP FROM BASEMENT.
  8. 2" VENT UP TO SECOND FLOOR.
  9. 2" WASTE DOWN TO BASEMENT.

CONSULTANTS:  -		<b>ARCHITECT/ENGINEERS:</b>  <b>MEG ARCHITECTURE</b>		Drawing Title <b>PLUMBING PLANS</b>  Approved: Project Director	Project Title RENOVATE AND MODERNIZE HVAC SYSTEMS, BUILDING B6 Contract No.: VA255-17-D-0080 Task Order No.: 36C25518N1023 Obligation No.: 589-C81080  Location Wichita, Kansas  Date: 07/26/18 Checked: BOH Drawn: RMH	Project Number 589A7-17-300  Building Number  Drawing Number <b>PL101</b> Dwg.	Office of Construction and Facilities Management  
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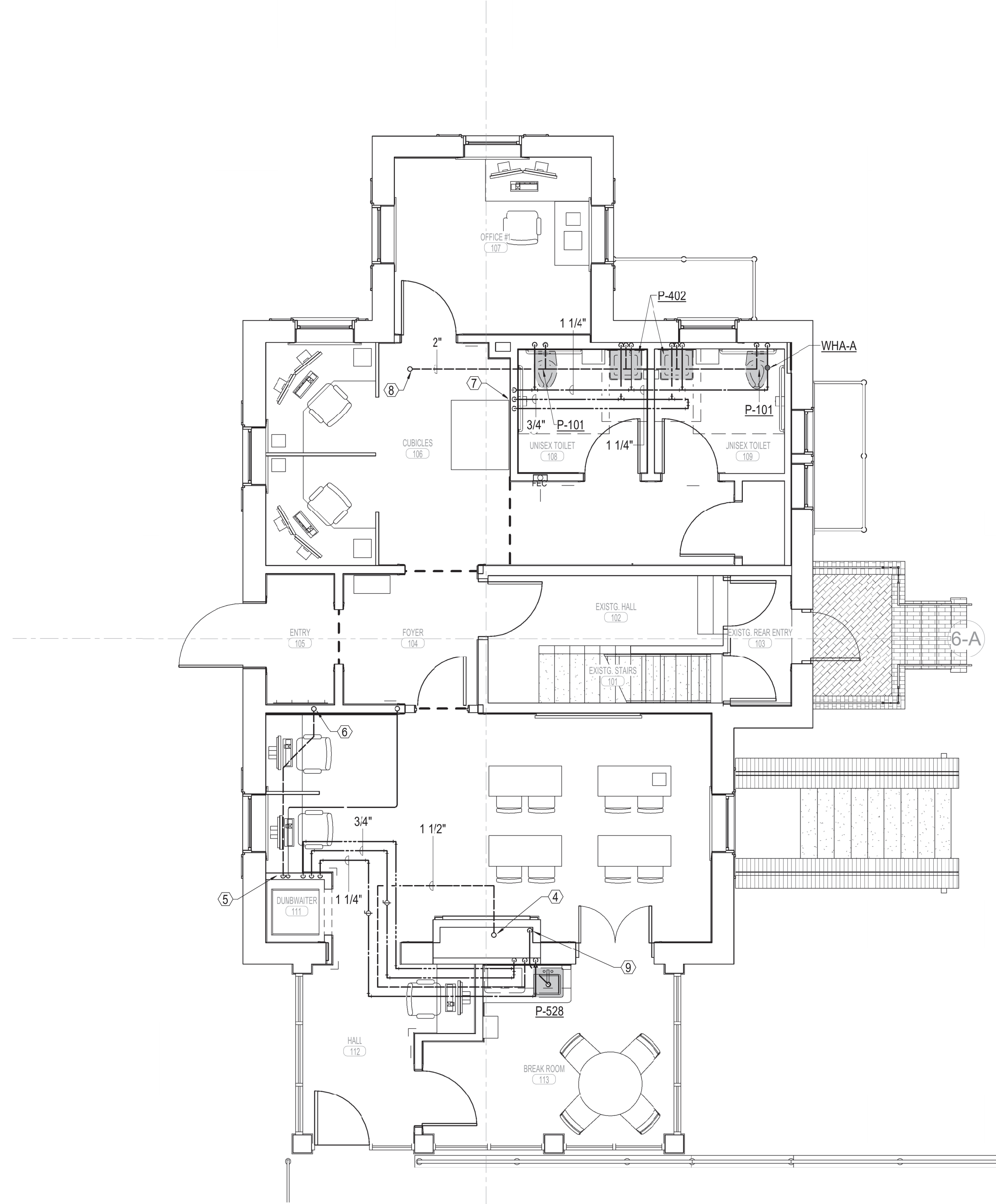
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**MECHANICAL GENERAL NOTES**

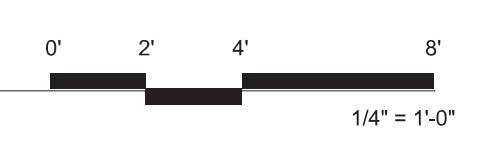
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- CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK.
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- PLENUM IS USED FOR RETURN AIR. KEEP PLENUM FREE OF COMBUSTIBLES, PVC PIPING, AND ANY OTHER MATERIALS NOT ALLOWED BY THE INTERNATIONAL FIRE CODE.

**PLAN NOTES**

- NOT USED.
- NOT USED.
- NOT USED.
- 1-1/2" VENT UP TO SECOND FLOOR.
- 2" VENT, 2" WASTE, 1/2" HWC, 3/4" HW, AND 1-1/4" CW UP FROM BASEMENT.
- 2" VENT UP TO SECOND FLOOR.
- 1-1/2" CW, 3/4" HW, AND 1/2" HWC UP FROM BASEMENT.
- 2" VENT UP TO SECOND FLOOR.
- 2" WASTE DOWN TO BASEMENT.



PLUMBING PLAN - FIRST FLOOR - BID DEDUCT ITEM #4  
 1/4" = 1'-0"



Revisions:	Date

**CONSULTANTS:**

—



**ARCHITECT/ENGINEERS:**

**MHEG**  
 ARCHITECTURE



**Drawing Title**  
 RENOVATE AND MODERNIZE HVAC SYSTEMS, BUILDING B6  
**PLUMBING PLANS - BID DEDUCT ITEM #4**  
 Approved: Project Director

**Location**  
 Wichita, Kansas

Date	Checked	Drawn
07/26/18	BOH	RMH

**Project Number**  
 589A7-17-300

**Building Number**

**Drawing Number**  
**PL101.4**

Dwg.



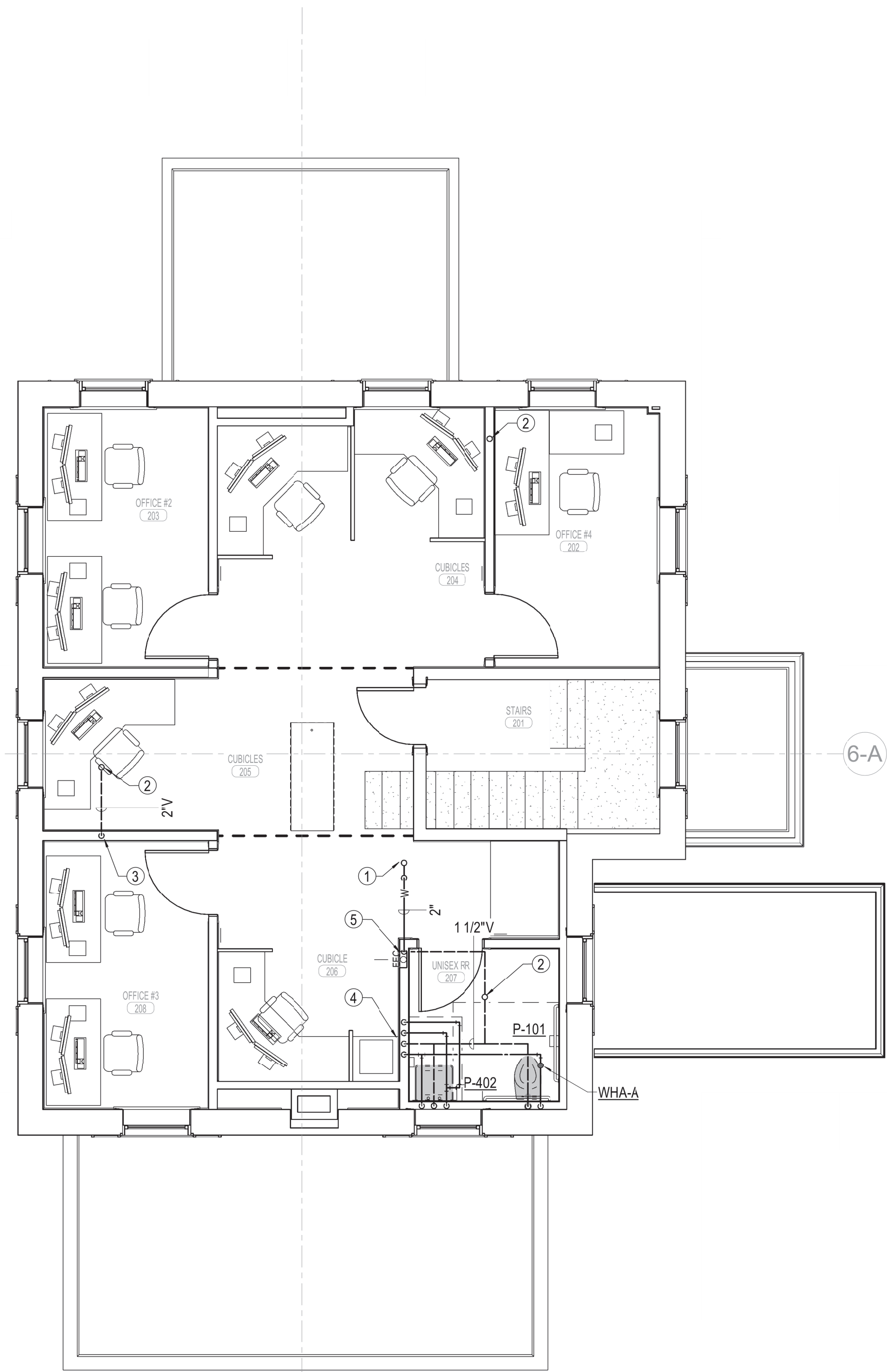


**MECHANICAL GENERAL NOTES**

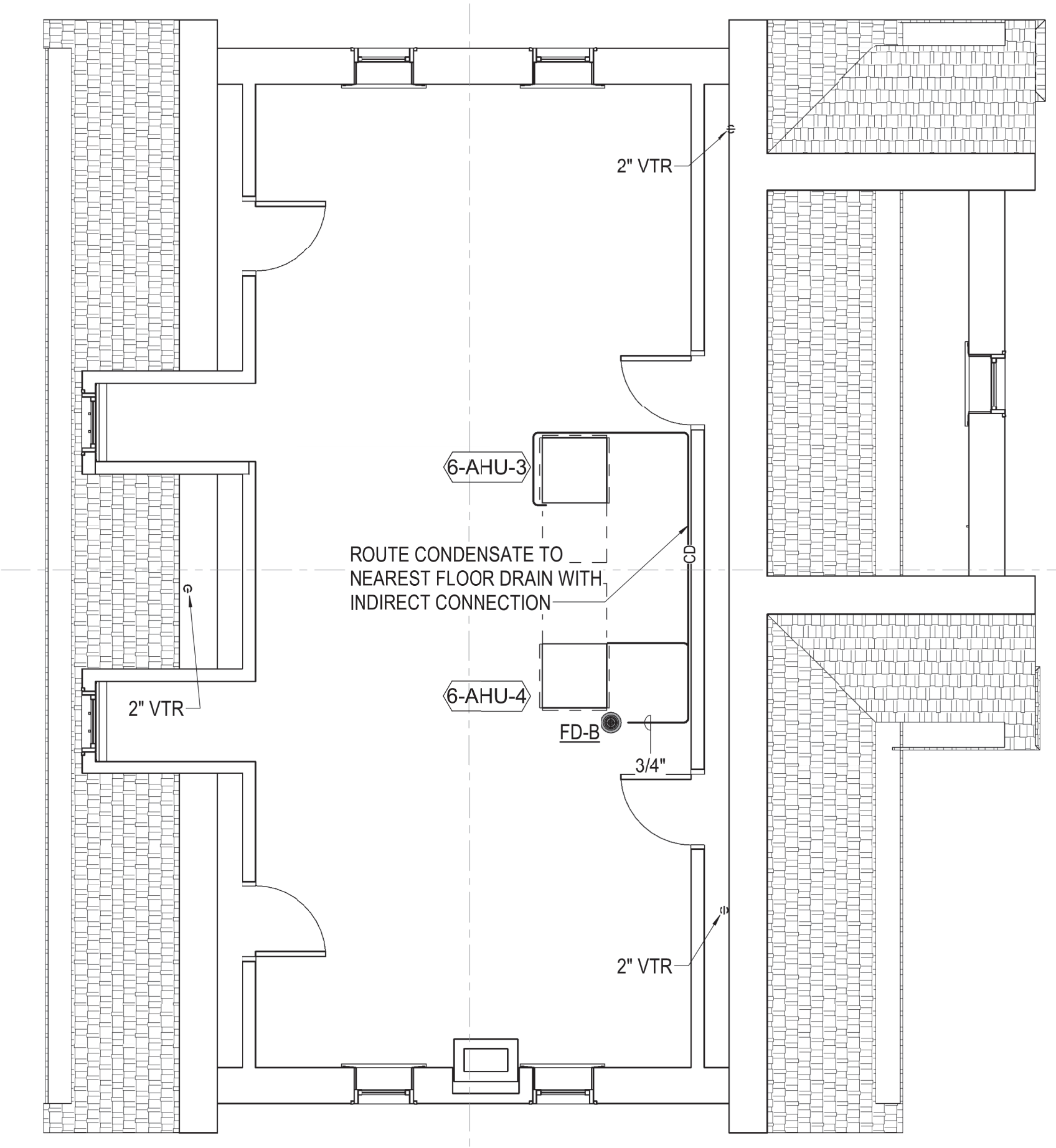
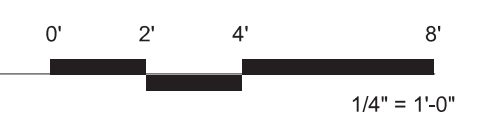
- FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
- CONTRACTOR SHALL PROVIDE PROTECTIVE PLASTIC DROP CLOTHS TO PROTECT THE EXISTING OCCUPIED AREAS AND EQUIPMENT FROM DUST AND DEBRIS DURING THE CONSTRUCTION WORK AND SHALL CLEAN THE AREAS OF ALL CONSTRUCTION DIRT DAILY, AND UPON COMPLETION OF THE WORK.
- ALL DRAINED PIPING RISERS AND MAINS SHALL BE REFILLED WITH FLUID AND PROPERLY VENTED BY THIS CONTRACTOR, ONCE NEW WORK HAS BEEN INSTALLED.
- COORDINATE WITH THE OWNER THE REMOVAL AND REPLACEMENT OF ALL EXISTING CEILINGS, WALL, ETC. AS REQUIRED FOR MECHANICAL DEMOLITION WORK.
- ALL CUTTING AND CHANNELING OF EXISTING NON-STRUCTURAL ELEMENTS SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THIS CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.
- CUTTING OF STRUCTURAL MEMBERS IS NOT ALLOWED.
- THIS CONTRACTOR SHALL GIVE FULL COOPERATION TO THE OWNER IN THE SCHEDULING AND PROCEDURE OF WORK AND SHALL TAKE EVERY PRECAUTION TO PREVENT DAMAGE FROM FREEZING TO EXISTING SYSTEMS.
- RELOCATE EXISTING DUCTWORK, PIPING, ELECTRICAL CONDUITS, AND CABLING AS NECESSARY TO ACCOMPLISH FINAL INSTALLATION AS SHOWN.
- CAP ALL EXISTING DUCTWORK SHOWN TO BE DISCONNECTED AND NOT RE-USED.
- COORDINATE ROUTING OF PLUMBING AND HVAC PIPING WITH DUCTWORK, LIGHTS, ARCHITECTURAL CEILING AND STRUCTURAL ELEMENTS. PIPING SHALL RISE AND DROP, JOG OR OFFSET, AS REQUIRED TO AVOID CONFLICTS. DUCTWORK SHALL TAKE PRECEDENCE OVER ALL PIPING, EXCEPT WHERE GRADE MUST BE MAINTAINED FOR DRAINAGE.
- ANY EXPENSES ARISING FROM LACK OF COORDINATION SHALL BE AT CONTRACTOR'S EXPENSE. ALL DUCT AND PIPE ELEVATIONS SHOWN IN PARENTHESES ARE BOTTOM OF DUCT OR PIPE UNLESS INDICATED OTHERWISE ON PLANS.
- ALL SUPPLY, RETURN, AND EXHAUST BRANCHES TO GRILLES, REGISTERS, AND DIFFUSERS SHALL HAVE A MANUAL BALANCE DAMPER.
- PLENUM IS USED FOR RETURN AIR. KEEP PLENUM FREE OF COMBUSTIBLES, PVC PIPING, AND ANY OTHER MATERIALS NOT ALLOWED BY THE INTERNATIONAL FIRE CODE.

**PLAN NOTES**

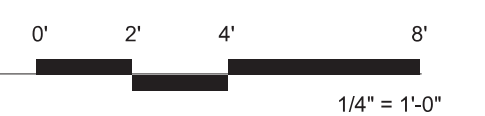
- 2" WASTE UP TO FLOOR DRAIN.
- 2" VENT UP TO ATTIC.
- 2" VENT DOWN TO FIRST FLOOR.
- 1-1/4" CW, 1/2" HW, 1/2" HWC, AND 1-1/2" VENT UP FROM FIRST FLOOR.
- 2" WASTE DOWN TO FIRST FLOOR.



1 PLUMBING PLAN - SECOND FLOOR  
1/4" = 1'-0"



2 PLUMBING PLAN - ATTIC  
1/4" = 1'-0"



Revisions:	Date

**CONSULTANTS:**



**ARCHITECT/ENGINEERS:**

**MEG**  
ARCHITECTURE

**PEC**  
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
303 SOUTH TOPEKA WICHITA, KS 67202  
316-262-2691 www.pec1.com

Drawing Title  
**PLUMBING PLANS**

Approved: Project Director

Project Title RENOVATE AND MODERNIZE HVAC SYSTEMS, BUILDING B6 Contract No.: VA255-17-D-0080 Task Order No.: 36C25518N1023 Obligation No.: 589-C81080	Project Number 589A7-17-300
Location Wichita, Kansas	Building Number
Date 07/26/18	Checked BOH
Drawn RMH	Drawing Number <b>PL102</b>
Dwg.	

Office of  
Construction  
and Facilities  
Management

Department of  
Veterans Affairs



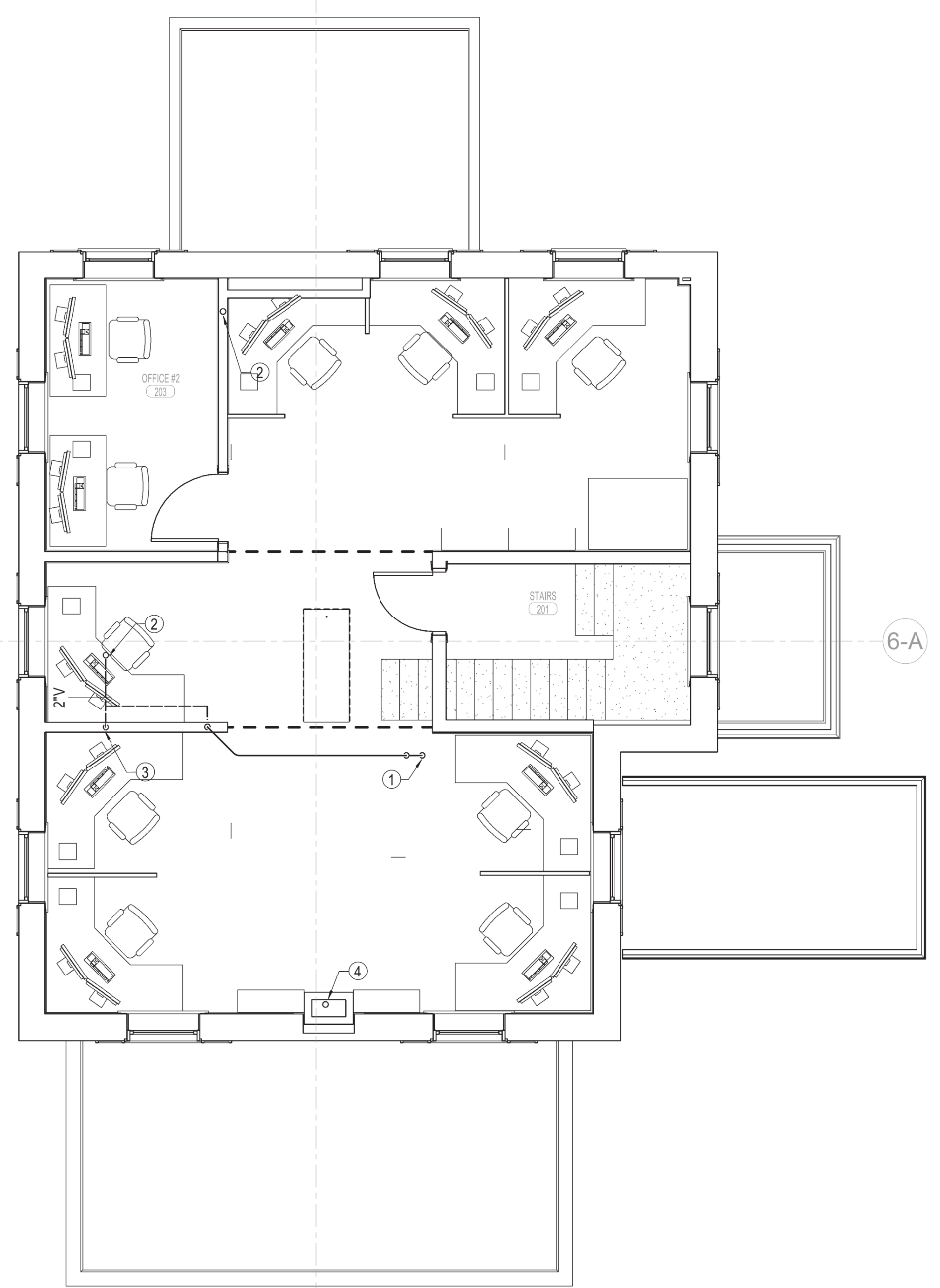
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

**MECHANICAL GENERAL NOTES**

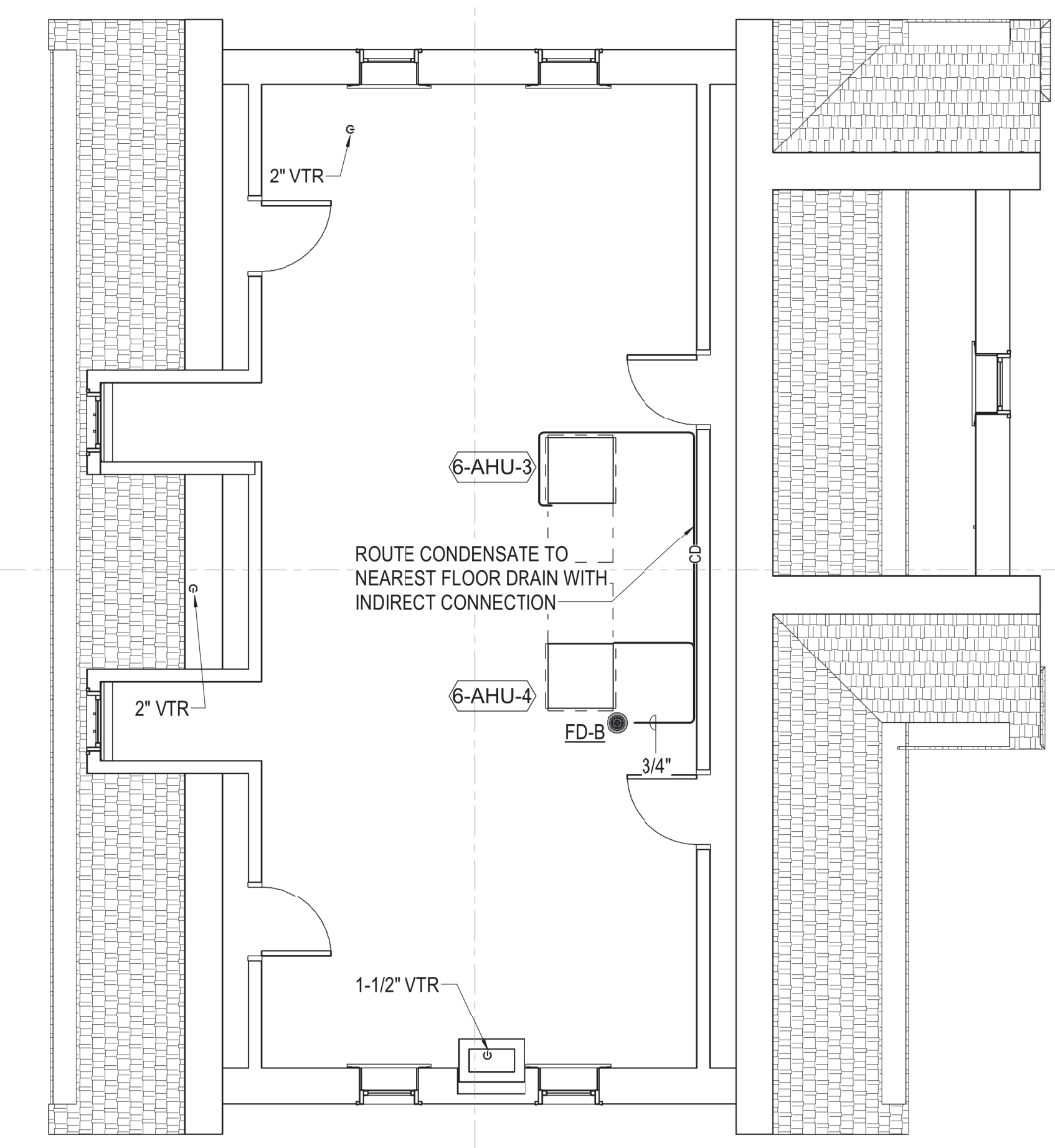
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**PLAN NOTES**

1. 2" WASTE UP TO FLOOR DRAIN.
2. 2" VENT UP TO ATTIC.
3. 2" VENT DOWN TO FIRST FLOOR.
4. 1-1/2" VENT UP TO ATTIC.



PLUMBING PLAN - SECOND FLOOR - BID DEDUCT ITEM #4  
1/4" = 1'-0"



PLUMBING PLAN - ATTIC - BID DEDUCT ITEM #4  
1/4" = 1'-0"

Revisions:	Date

CONSULTANTS:  
-



ARCHITECT/ENGINEERS:  
**MHEG**  
 ARCHITECTURE  
**PEC**  
 PROFESSIONAL ENGINEERING CONSULTANTS, P.A.  
 303 SOUTH TOPEKA WICHITA, KS 67202  
 316-262-2691 www.pec1.com

Drawing Title  
**PLUMBING PLANS - BID DEDUCT ITEM #4**  
 Approved: Project Director

Project Title RENOVATE AND MODERNIZE HVAC SYSTEMS, BUILDING B6 Contract No.: VA255-17-D-0080 Task Order No.: 36C25518N1023 Obligation No.: 589-C81080	Project Number 589A7-17-300
Location Wichita, Kansas	Building Number
Date 07/26/18	Drawing Number <b>PL102.4</b>
Checked BOH	Drawn RMH
	Dwg.

Office of Construction and Facilities Management  
 Department of Veterans Affairs