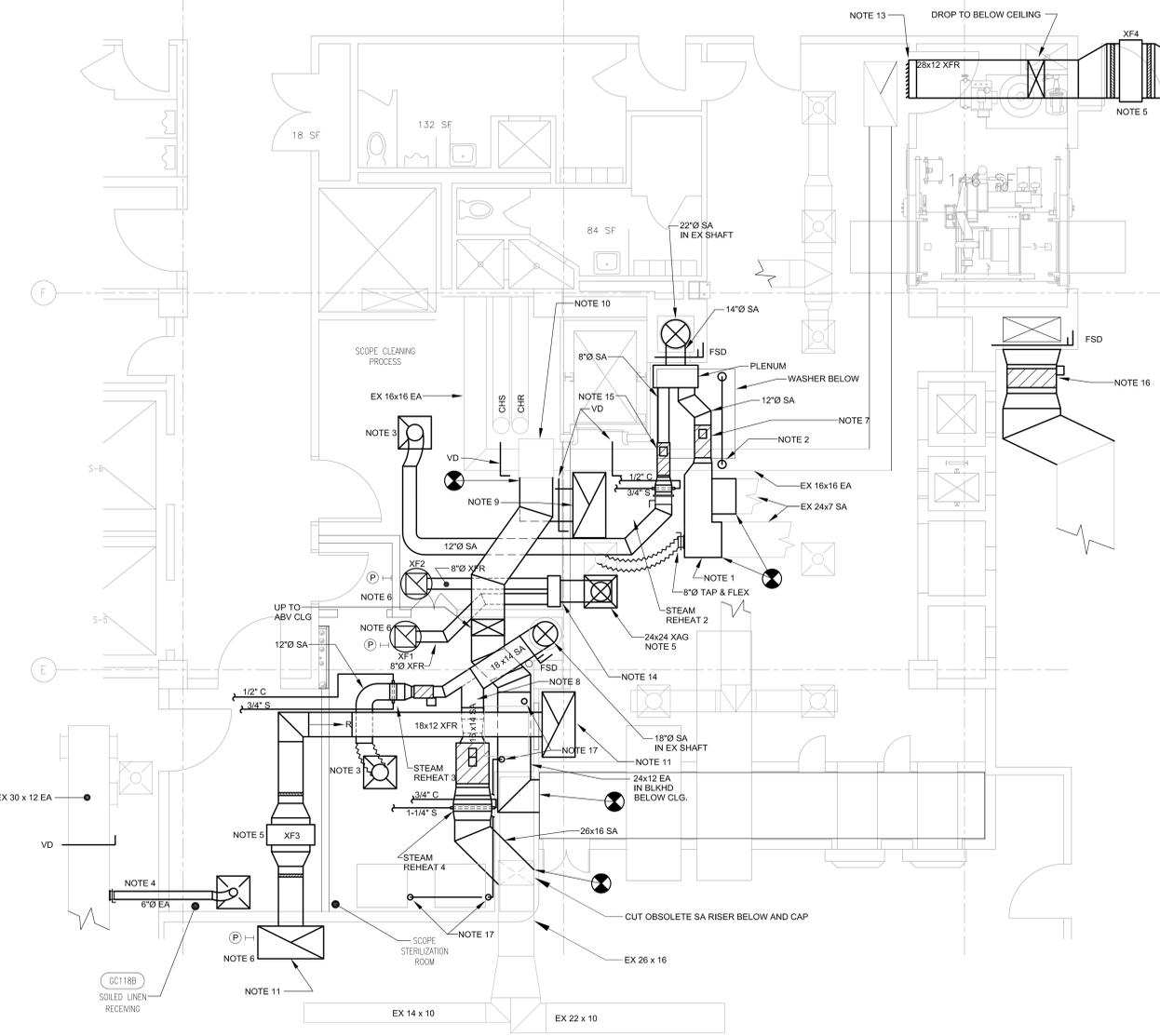


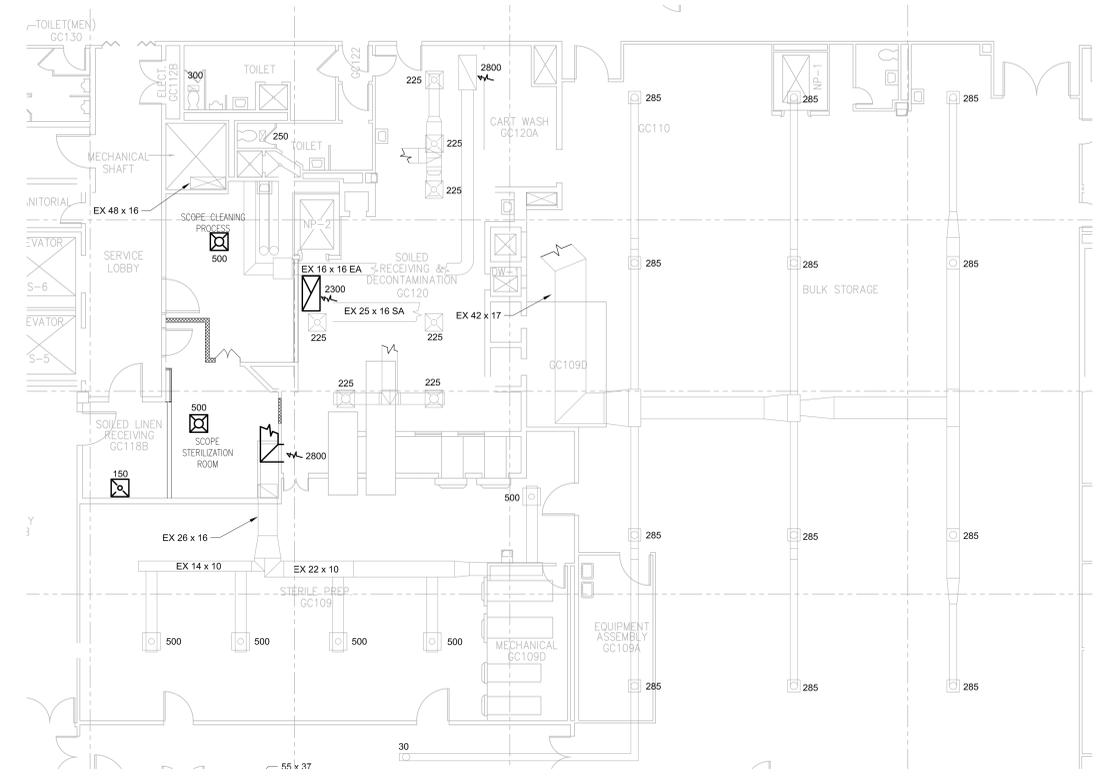
three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one quarter inch = one foot
 three eighths inch = one foot
 one eighth inch = one foot
 one sixteenth inch = one foot



E1 PART GROUND FLOOR PLAN - HVAC - NEW WORK
 1/4" = 1'-0"

DRAWING NOTES:

1. PROVIDE NEW 20 x 12 INSULATED SA DUCT. CONNECT TO EXISTING TRUNK LINE AND EXISTING SUPPLY. INSTALL DUCT AS HIGH AS PRACTICAL TO ALLOW FOR MAXIMUM CEILING HEIGHT IN NEW ROOM. COORDINATE WITH GENERAL CONTRACTOR.
2. CONNECT NEW 6" WASHER VENT TO EXISTING 16 x 16" EXHAUST. SLOPE NEW VENT BACK TO WASHER. SURROUND WASHER VENT PIPE WITH DRIP PAN.
3. PROVIDE 12" SUPPLY TAP. FLEX AND DIFFUSER TO MATCH EXISTING IN SPS. BALANCE AS NOTED.
4. PROVIDE EXHAUST FOR RECONFIGURED SOILED LINEN RECEIVING ROOM BY TAPPING EXISTING 30 x 12 EXHAUST DUCT NEARBY. PROVIDE VOLUME DAMPER DOWNSTREAM OF TAP. BALANCE AS NOTED.
5. PROVIDE AIR TRANSFER FROM + AND ++ AREAS TO SOILED RECEIVING AND DECONTAMINATION ROOM VIA VARIABLE SPEED EXHAUST FAN CONTROL. VFDs SHALL CONTROL ON DIFFERENTIAL PRESSURE BETWEEN ROOMS. LOCATE EXHAUST FANS IN NON-STERILE ROOMS. PROVIDE ACCESS DOORS FOR EACH FAN.
6. DIFFERENTIAL PRESSURE CONTROLLER (TYP) WITH LOCAL CONTROL PANEL, WALL-MOUNTED IN SAME ROOM AS XFR INTAKE.
7. PROVIDE NEW 12" AIRFLOW CONTROL VALVE. CONNECT TO EXISTING SUPPLY AIR SYSTEM.
8. PROVIDE NEW 24 x 12" AIRFLOW CONTROL VALVE. CONNECT TO EXISTING SUPPLY AIR SYSTEM.
9. PROVIDE 24x48 EAG WITH PLENUM. CONNECT NEW 24x12 EA TO PLENUM. RACK 24x12 ABV NEW 24x12 FROM MAIN STERILIZER HOOD. CONNECT TO EXG EA RISER.
10. EXG 32x30 EA RISER TO SPS EE1.
11. PROVIDE 24x48 XAG WITH PLENUM. CONNECT NEW 18x12 XA TO PLENUM - TYP 2 PLACES.
12. PROVIDE 24x48 XAG WITH PLENUM. CONNECT NEW 28x12 EA TO PLENUM.
13. PROVIDE 30x24 XAR ABV DOOR.
14. PROVIDE 20x8 XFR PLENUM TO COLLECT XF1 & 2 DISCHARGE. PROVIDE 16x10 XFR TO 14" XAG.
15. PROVIDE NEW 8" AIRFLOW CONTROL VALVE. CONNECT TO EXISTING SUPPLY AIR SYSTEM.
16. PROVIDE NEW 36 x 12" AIRFLOW CONTROL VALVE. CONNECT TO EXISTING SUPPLY AIR SYSTEM. STEAM REHEAT #1 LOCATED IN BASEMENT TRASH ROOM.
17. PROVIDE 2" PVC ENDOSCOPE STERILIZER EXHAUST PIPE. INSTALL PER MANUFACTURER'S INSTRUCTIONS. CONNECT TO EXHAUST DUCT.



E2 PART GROUND FLOOR PLAN - AIR BALANCE PLAN
 1/8" = 1'-0"

GENERAL NOTES:

1. SA DUCT SIZES AHEAD OF BOXES BASED ON 1700 FPM MAX. VELOCITY.
2. SA DUCT SIZES DOWNSTREAM OF BOXES BASED ON 1100 FPM MAX. VELOCITY.
3. TRANSFER DUCT SIZES BASED ON 1400 FPM MAX. VELOCITY FOR IN-LINE FANS AND 1100 FPM MAX FOR CEILING FANS.
4. EXHAUST BRANCH DUCT SIZES BASED ON 1700 FPM MAX. VELOCITY.
5. STEAM SUPPLIES AND CONDENSATE RETURNS SHALL BE BASED ON 100-FT OF PIPE WITH 6 ELBOWS TO NEAREST SOURCE. SEE SHT M502 FOR PIPING CONNECTIONS.

SHEET NOTES:

LEGEND:

- ABV - ABOVE
- BLKHD - BULKHEAD
- C - CONDENSATE RETURN
- CHSR - CHILLED WATER SUPPLY/RETURN
- CLG - CEILING
- EA - EXHAUST AIR
- EAG - EXHAUST AIR GRILLE
- EX - EXISTING
- FSD - FIRE & SMOKE DAMPER
- S - STEAM SUPPLY
- SA - SUPPLY AIR
- VD - VOLUME DAMPER
- XA - TRANSFER AIR
- XAG - TRANSFER AIR GRILLE
- XAR - TRANSFER AIR REGISTER
- XF - TRANSFER FAN
- XFR - TRANSFER
- Ø - DIAMETER
- ◐ - CONNECT TO EXISTING

100% ISSUED FOR CONSTRUCTION
 COMPLETION ITEM NO. 3
 FULLY SPRINKLERED

 Dept. of Veterans Affairs Medical Center 1670 Clairmont Road Decatur, Georgia 30033	 ARCHITECT/ENGINEERS: VETERAN ENGINEERING GROUP, INC. 4411 Suwanee Dam, Ste. 230, Suwanee, GA 30024 ARCHITECTURE ENGINEERING PLANNING 1123 Zonolite Road, Suite 25, Atlanta, GA 30306	Drawing Title PART GROUND FLOOR PLAN - HVAC - NEW WORK	Project Title RENOVATION OF EXISTING STERILE PROCESSING SERVICE (SPS)	Project Number 508-10-113	Office of Facilities Management
		Approved Project Director	Location VAMC, DECATUR, GA.	Building Number 1	
Revisions:	Date	Date FEBRUARY 24, 2012	Checked WK	Drawn JW	Dwg. 17 of 27