

MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

MECHANICAL PLAN & GENERAL MECHANICAL NOTES

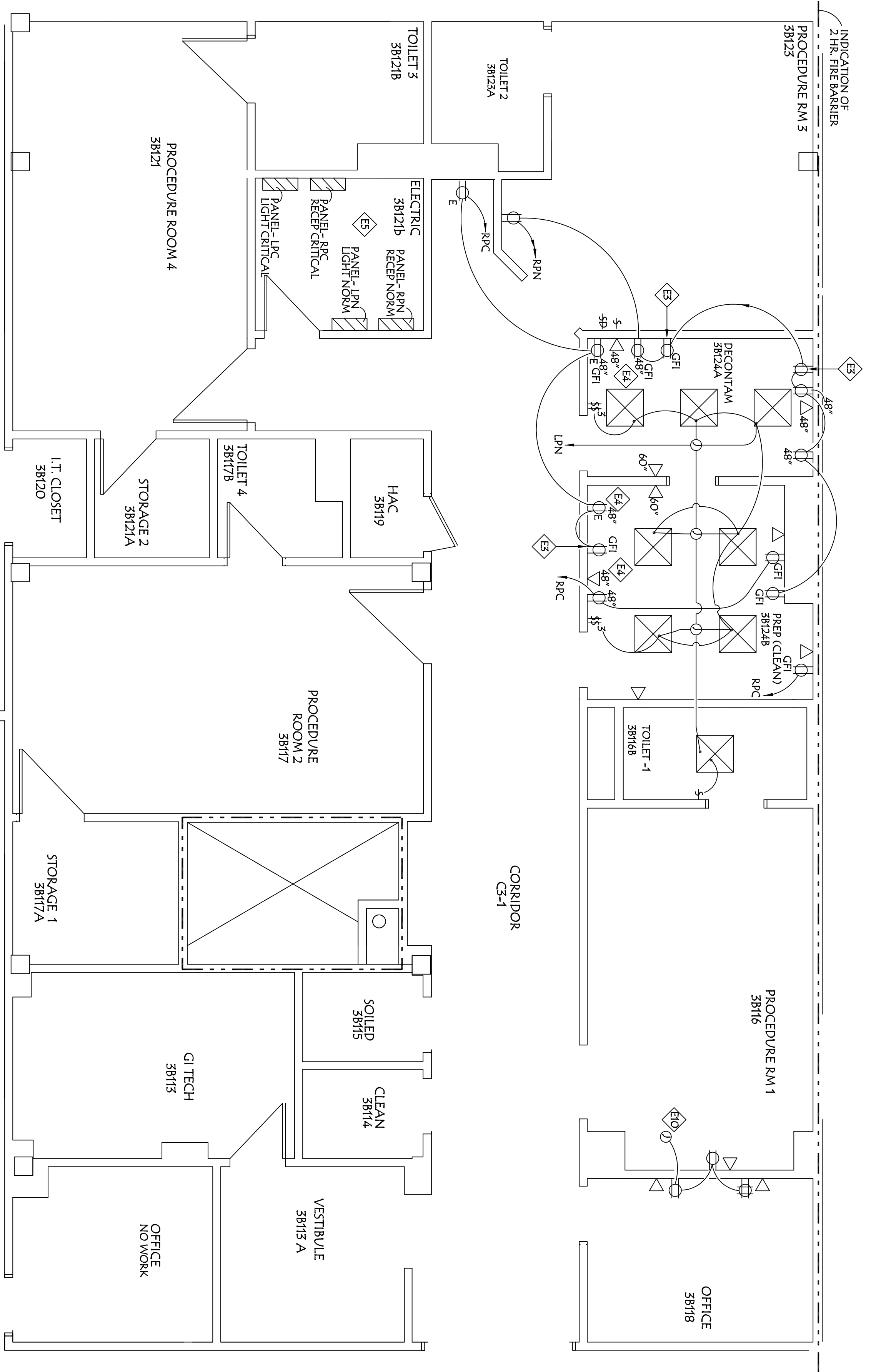
1. ALL DUCTWORK SHALL BE CONSTRUCTED PER SMACNA REGULATIONS, WITH STATIC PRESSURE CLASSIFICATION OF 2" W.G. AND SEAL CLASS C. GENERALLY, REMOVE THE RETURN AND SUPPLY FROM THE TWO EXISTING STEPS ROOMS, AND COMBINE TO LARGER SIZE SUPPLY/RETURN AS SHOWN ON PLANS FOR NEW ROOMS.
2. INSTALL EXTENDED VOLUME DAMPER CONTROL RODS WELL CLEAR OF INSULATION.
3. RENOVULATE ALL DISTURBED DUCTWORK AS REQUIRED. INSTALL NEW INSULATION ON ALL NEW SUPPLY DUCTS. INSTALL BLANKET INSULATION ON TOP OF SUPPLY GRILLES TO PREVENT SWEATING.
4. INSTALL NEW OR RELOCATED EXISTING THERMOSTATS AT 60" WHERE INDICATED.
5. COORDINATE ALL WORK WITH OTHER TRADES TO INSURE PROPER FIT OF UTILITIES ABOVE CEILINGS AND IN WALLS
6. BUILDING WILL REMAIN OCCUPIED WHILE WORK IS BEING CONDUCTED. ALL WORK SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND ACCOMPLISHED TO MINIMIZE DISRUPTION TO NORMAL MEDICAL CENTER OPERATIONS AT ALL TIMES.
7. FURNISH AND INSTALL ACCESS PANELS IN NEW ROOMS WHERE DRYWALL CEILINGS ARE INSTALLED
8. REMOVE EXISTING 866 FROM TOILET, AND EXTEND NEW INSULATED 866 DUCTWORK TO NEW TOILET
9. REMOVE EXISTING THERMOSTAT FOR WALL DEW/O, AND REINSTALL IN NEW LOCATION AFTER NEW WALL IS CONSTRUCTED.
10. INSTALL TWO VA PROVIDED MAGNETIC DIFFERENTIAL PRESSURE GAUGES IN NEW CONSTRUCTION.
11. REMOVE EXISTING 866 SUPPLY AIR GOING TO OLD STEPS ROOM, AND EXTEND NEW 866 TO NEW ROOM.
12. RELOCATE EXISTING VAV BOX, ASSOCIATED PIPING, AND THERMOSTAT. EXTEND TO NEW LOCATION SHOWN AS VAV-1. NEW VALVES SHALL BE INSTALL IN CORRIDOR OR LAY-IN CEILING OF ADJACENT PROCEDURE ROOM
13. REMOVE EXISTING RETURN DUCT FROM OLD STEPS ROOM, AND EXTEND NEW 866 RETURN DUCT TO NEW ROOM AS SHOWN. PLACE NEW AIR IN ROOM FOR NEGATIVE PRESSURE.
14. REMOVE EXISTING DUCTWORK TO OLD STEPS ROOM (NOT SHOWN FOR CLARITY), AND EXTEND NEW TOKO 3A, 150 CFM DUCTWORK. RELOCATE EXISTING BOX SHOWN AS VAV-2, ASSOCIATED PIPING AND CONTROLS (INSTALLED IN CORRIDOR CEILING), REINSTALL EXISTING THERMOSTAT. INSTALL TWO NEW SUPPLY AIR GRILLES
15. REMOVE EXISTING RETURN AIR DUCT FROM OLD STEPS ROOM (NOT SHOWN FOR CLARITY), AND EXTEND NEW RETURN AIR DUCT AS SHOWN.
16. REEQUILIBRATE AND REPROGRAM THERMOSTATS AFTER COMPLETION OF PROJECT. REBALANCE AIR SYSTEM AND PROVIDE REPORT.

ABBREVIATIONS

- VV VIA FURNISHED VA INSTALLED
VC VIA FURNISHED CONTRACTOR INSTALLED
CC CONTRACTOR FURNISH, CONTRACTOR INSTALL
REL RELOCATED
EX EXISTING
VAV VARIABLE AIR VOLUME
TV TUNING VANE
TYP TYPICAL
H.G. HOSPITAL GRADE

LEGEND

- SA SUPPLY AIR, WITH AIR DISTRIBUTION SIZE AS INDICATED, SHOWING DIRECTION OF AIR
RA RETURN AIR, WITH AIR DISTRIBUTION SIZE AS INDICATED, SHOWING DIRECTION OF AIR
SCHEM SCHEMATIC
NOTE REFERENCE
NEW TE-IN TO EXISTING PIPING
EXISTING THERMOSTATS, RELOCATED TO NEW LOCATIONS
VOLUME DAMPER W/ EXTENDED ARM TO CLEAR INSULATION
DENOTES 3-WAY SWITCH
LIGHT SWITCH
LIGHT SWITCH WITH DIMMER
DENOTES GROUND FAULT CIRCUIT INTERRUPTER
H.G. RESISTOR
DENOTES RED EMERGENCY CIRCUIT RECEPTACLE
H.G. QUAD RECEPTACLE
DATA JACK, SEE DETAIL
HOMERUN CIRCUIT TO PANEL DESIGNATED
NEW 2x2, 3 LAMP DUAL BALLAST LIGHT FIXTURE FOR 277V, RECYCLED LAMPS, LITHONIA OR APPROVED EQUAL, MATCH EXISTING STATIC TOPPER

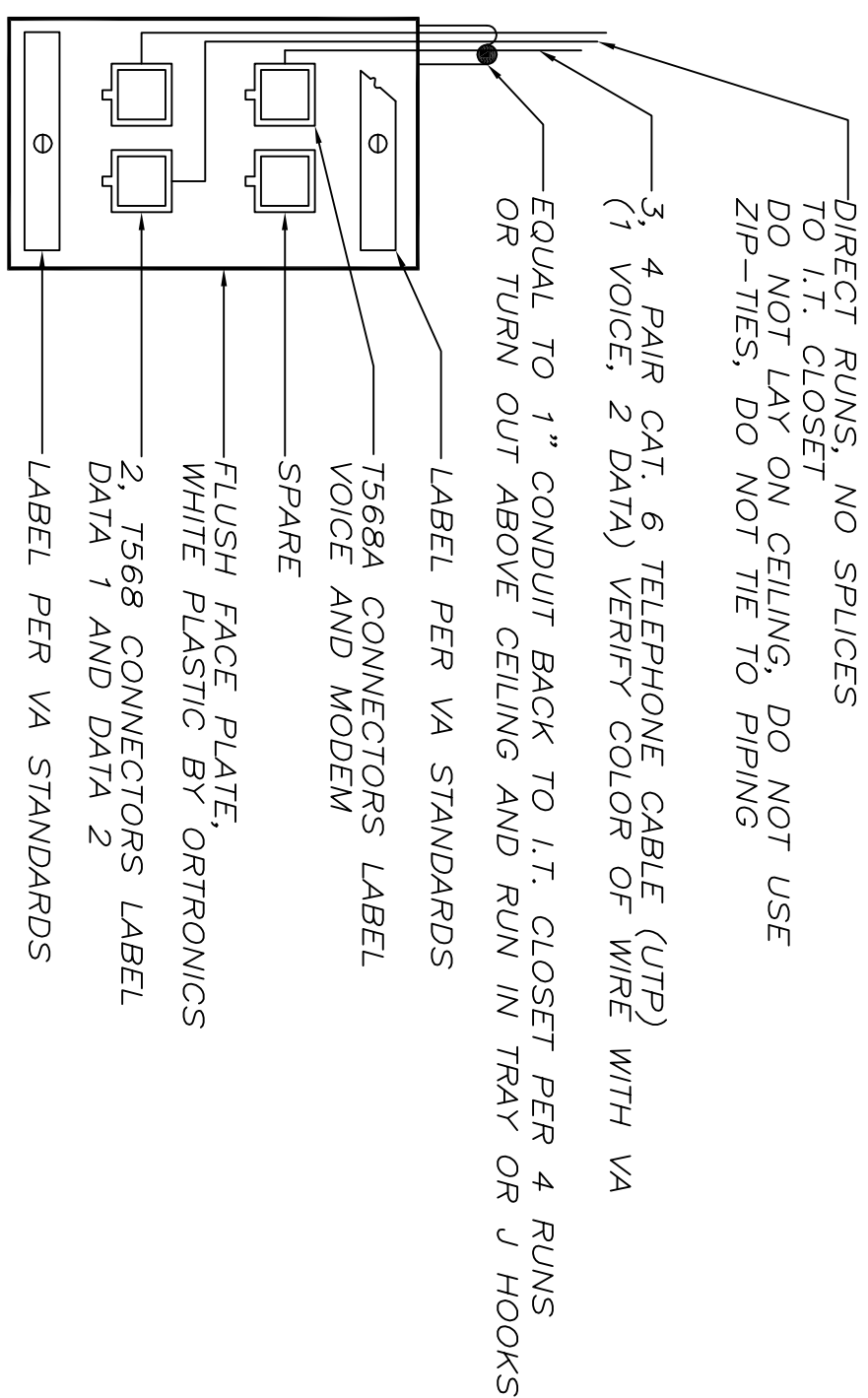


ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN AND GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH CURRENT EDITION OF NATIONAL ELECTRICAL CODE AND VA SPECIFICATIONS.
2. INSTALL RECEPTACLES AND SWITCHES TO MATCH EXISTING HEIGHT OF SVITE, UNLESS NOTED OTHERWISE ON PLAN.
3. FOR AUTO LIFT UNIT ON SINK AND TABLE
4. INSTALL RECEPTACLES ABOVE STAINLESS STEEL BACKSPLASH 48" A.F.F. COORDINATE WITH BASE CABINET APPROVED SUBMITTAL.
5. UTILIZE BREAKERS AVAILABLE FROM DEMOLITION, AND NEW BREAKERS TO EXISTING PANELS AS MAY BE REQUIRED TO ACCOMPLISH WORK PER PLAN. RE-LABEL LEGENDS.
6. ALL CONDUIT SHALL BE MIN. OF 3/4" E.M.T., EITHER COMPRESSION OR SCREWED CONNECTORS. NO 1/2" CONDUIT UNLESS IT IS FOR SWITCH LEO IS ACCEPTABLE. LABEL ALL JUNCTION BOXES WITH PANEL & CIRCUIT.
7. ALL DATA WIRING SHALL BE RUN ON J HOOKS AS A MINIMUM IN OVERHEAD TO IT CLOSET. COORDINATE ALL WORK AT LEAST 24 HRS IN ADVANCE WHEN WORKING IN CLOSET.
8. MATCH EXISTING PLATES AND COLORS OF RECEPTACLES AND SWITCHES SIMILAR TO EXISTING. ALL RECEPTACLES/SWITCHES SHALL BE HOSPITAL GRADE.
9. SWITCH DUAL BALLASTS IN LIGHT FIXTURES INDEPENDENTLY.
10. THE NEW RECEPTACLES FOR NEW PARTITION INTO THE LOCATION OF CIRCUIT REMOVED DURING DEMOLITION WORK.




PROVIDE FIRE RATED SLEEVES IN EXISTING PARTITIONS AT IT CLOSET AND CORRIDOR
TERMINATE AND TEST ALL WIRING. LABEL PER VA STANDARD
INSTALL 19" RACK FOR ALL NEW IT CLOSETS. INSTALL IN MIDDLE OF CLOSET TO ALLOW ACCESS ON ALL SIDES
PROVIDE AND INSTALL 4, 96-PORT CAT6 RATED JACK PANELS IN EACH IT CLOSET. TERMINATE AND TEST ALL WIRING IN SEPARATE PANEL (ONE PANEL IS SPARE)

TELEPHONE/DATA OUTLET DETAIL

3 JACK, MINIMUM FOR ALL LOCATIONS

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 UNITED STATES DEPARTMENT OF VETERANS AFFAIRS VA MEDICAL CENTER - 1540 SPRING VALLEY DRIVE - HUNTINGTON WV 25704				PROJECT TITLE: RENOVATE G.I. for SPD MODIFICATIONS			
DRAWING TITLE: MECHANICAL & ELECTRICAL PLANS		BUILDING: 1 - S		PROJECT NUMBER: 581-12-105		DRAWING NUMBER: ME-1	
APPROVED: JOHN KILBY III CHIEF ENGINEERING SERVICE		DATE: July 2012		APPROVED: JOHN KILBY III CHIEF OF STERILE PROCESSING SERVICES		APPROVED: SUSANNE L. JENSEN, MBA, VHA-CA ASSOCIATE MEDICAL CENTER DIRECTOR	
APPROVED: TIMOTHY D. CANTERLAW CHIEF SURGICAL SERVICE		DATE: July 2012		APPROVED: TIMOTHY D. CANTERLAW CHIEF OF STERILE PROCESSING SERVICES		APPROVED: TIMOTHY D. CANTERLAW CHIEF OF STERILE PROCESSING SERVICES	