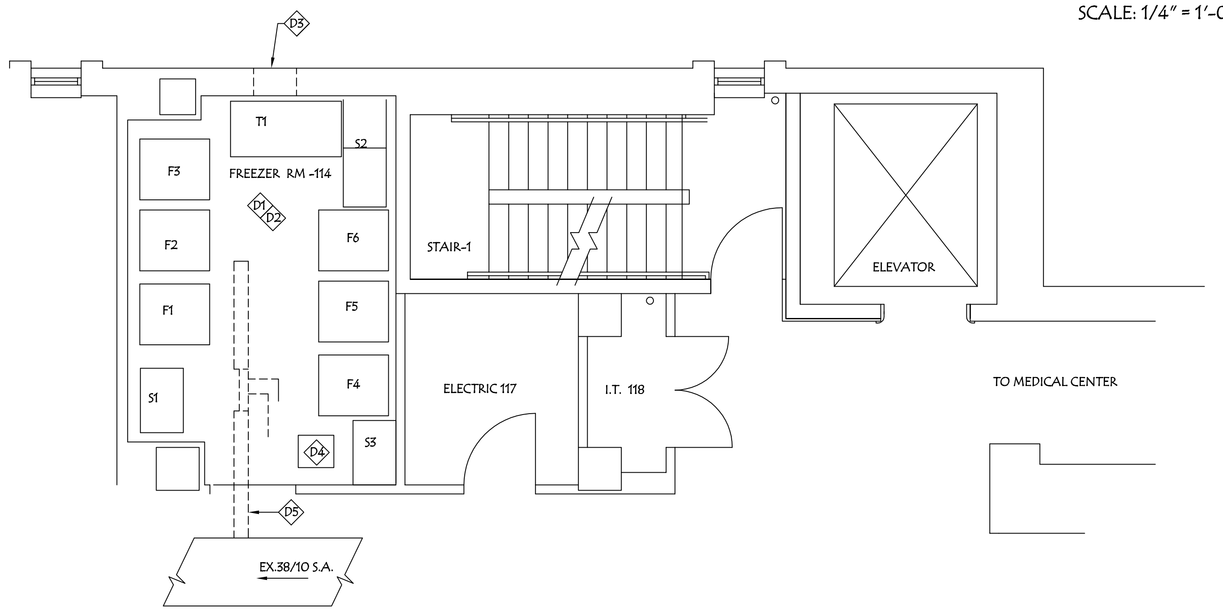
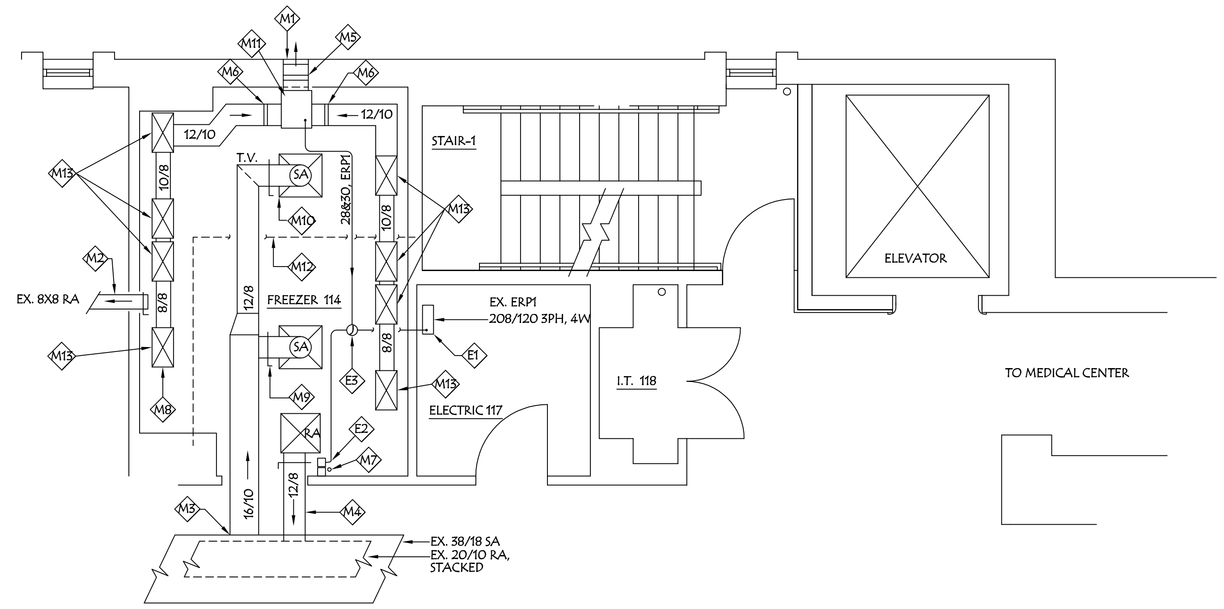
PARTIAL FIRST FLOOR PLAN - RESEARCH BLDG. 23R, RM. 114

SCALE: 1/4" = 1'-0





DEMOLITION NOTES

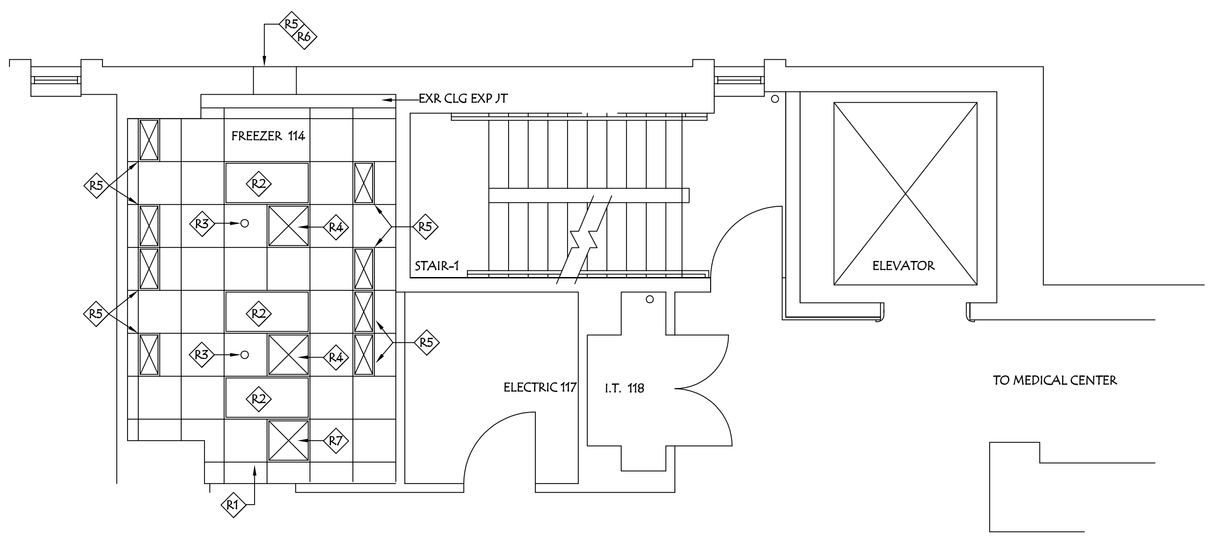
D1. CONTRACTOR SHALL RELOCATE SHELVES 1,2,3, TABLE 1, AND FREEZERS 1-6 TO A PLACE WITHIN BLDG. 23R AS DIRECTED. THE FREEZERS WILL LINE UP IN THE THE HALL. PROVIDE TEMPORARY EMERGENCY ELECTRICAL SERVICE AS REQUIRED. RELOCATE ALL BACK TO THE ROOM IN THE FORMER LOCATION AFTER ALL WORK IS COMPLETE.

D2. REMOVE EXISTING ACOUSTICAL TILE CEILING AND GRID. REMOVE LIGHTS, REMOVE SUPPLY AND RETURN GRILLES. REMOVE SPRINKLER HEADS/NIPPLES.

D3. CUT HOLE IN EXISTING 8" CMU, INSULATION, AND BRICK EXTERIOR. SCAFFOLD AS REQUIRED ON EXTERIOR SIDE OR USE MECHANICAL LIFT AS REQUIRED, FOR NEW THROUGH WALL EXHAUST FAN. IF LIFT IS USED, ALL WORK SHALL BE AFTER NORMAL WORKING HOURS TO AVOID TRAFFIC DELAY.

D4. REMOVE MOBILE SPOT AIR CONDITIONER AND STORE UNTIL PROJECT IS COMPLETE; REINSTALL DUCT. INSTALL NEW FLEX HOSE FROM CONDENSATE PAN TO NEW DRAIN.

D5. REMOVE EXISTING 8X8 SUPPLY AIR DUCT, EXISTING 5" REHEAT COIL (RETAINED BY VA) REMOVE SUPPLY & RETURN PIPING BACK TO MAIN POINT OF JUNCTURE AND CAP. REMOVE THERMOSTAT. & PATCH TO MATCH.



RENOVATION NOTES

R1. INSTALL NEW ACOUSTICAL TILE CEILING AND GRID, MATCHING EXISTING TYPE REMOVED, AT APPROXIMATELY 7'-6" H. REINSTALL EXISTING CEILING EXPANSION JOINT AGAINST SOUTH WALL.

R2. REINSTALL EXISTING LIGHTS, EXTENDING CONDUIT AND WIRE FROM NEAREST JUNCTION BOX OF FORMER LOCATION

R3. INSTALL NEW NIPPLES AND INSTALL NEW RECESSED TYPE APPROVED SPRINKLER HEADS, EXTENDING TO NEW LOWER HEIGHT.

R4. INSTALL NEW 24X24 SUPPLY AIR DIFFUSERS IN NEW CEILNG, COORDINATE WITH MECHANICAL CONTRACTOR.

R5. NEW EXHAUST GRILLES FOR FAN, SEE MECHANICAL/ELECTRICAL PLAN FOR ADDITIONAL INFORMATION

R6. INSTALL NEW STEEL LINTEL AND PAINT FOR BRICK/BLOCK AS REQUIRED. CAULK WITH APPROVED SEALANT.

R7. NEW 2 X2 EXHAUST GRILLE, COORDINATE WITH MECHANICAL CONTRACTOR.

MECHANICAL/ELECTRICAL NOTES

M1. INSTALL NEW ARCHITECTURAL FIXED LOUVER 14x14 ON EXTERIOR WALL.

M2. EXISTING 8X8 RETURN AIR ABOVE FINISHED LAY-IN CEILING. INSTALL SCREEN AND RETAIN FOR RELIEF AIR OF SPOT COOLER. REINSTALL SPOT COOLER AFTER WORK IS COMPLETE.

M3. NEW 16 X 10 SUPPLY AIR TAP INTO EXISTING 38X18 DUCT. INSTALL TURNING VANE, INSULATE ENTIRE SUPPLY DUCT.

M4. NEW 12 X 8 RETURN AIR, TAP INTO EXISTING 20X10 DUCT.

M5. NEW BACKDRAFT DAMPER TO CLOSE WHEN FAN IS NOT RUNNING.

M6. NEW 12X12 FILTER IN RACK WITH ACCESS PANEL.

M7. CORE DRILL 2" HOLE AND SLEEVE FOR NEW 1" CONDENSATE DRAIN FOR SPOT COOLER. INSTALL FUNNEL ON TOP. FIREPROOF AS REQUIRED. SEE GROUND FLOOR PLAN FOR CONTINUATION.

M8. INSTALL NEW 12 X 24 RETURN AIR GRILLES (TYPICAL INDICATION), MATCHING EXISTING TYPE REMOVED IN CEILING, STRATEGICALLY LOCATED ON EACH END OF FREEZER UNITS.

M9. MANUAL DAMPER FOR ADJUSTMENT (TYPICAL SYMBOL).

M10. NEW SUPPLY AND RETURN AIR GRILLES TO MATCH EXISTING TYPE IN BUILDING.

M11. NEW CENTRIFUGAL IN-LINE DIRECT DRIVE EXHAUST FAN, GREENHECK SQ-100-A, 17"X21". UL LISTED, AMCA ACCREDITED CERTIFICATION, CABINET CONSTRUCTION OF GALV. STEEL PANELS, HEAVY GAUGE STEEL DRIVE FRAME, ALUMINUM WHEEL. DUCT COLLARS, PERMANENTLY LUBED/SEALED BALL BALL BEARING MOTOR, BEARINGS FACTORY TESTED FOR 100,000 HRS. DRIVE ASSEMBLY FOR 150 PCT. OF DRIVEN H.P. NEMA-1 DISCONNECT SWITCH. ACCESS PANELS. OPTIONAL ACCESSORIES REQUIRED FOR THIS PROJECT: VARIABLE SPEED CONTROLLERS, DIRECT DRIVE MOTOR COVER, BACKDRAFT DAMPERS, INSULATED HOUSING, WIRING PIGTAIL.

M12. AN EXISTING PVC 1.5" DRAIN LINE RUNNING THROUGH OVERHEAD MAY REQUIRE RELOCATION TO RAISE ABOVE OR BELOW NEW DUCTWORK LINE. CONTRACTOR SHALL VERIFY AND COORDINATE WITH ALL TRADES.

M13. RUN NEW 8X10 DUCT THROUGH CEILING DOWN WALL DIRECTLY BEHIND FREEZER UNITS, INSTALL EXHAUST SURFACE MOUNTED DOWN WALL TO NEW GRILL AT THE COMPRESSOR EXHAUST.

E1. TIE NEW FAN INTO EXISTING EMERGENCY BRANCH PANEL, SPACE CIRCUITS 28&30, INSTALL NEW 20A BREAKER. RUN MIN. $\frac{3}{4}$" EMT CONDUIT AND SEAL FIRE PENETRATIONS.

E2. INSTALL SFC MTD AND PAINT CONDUIT FOR SPEED CONTROLLER OF FAN. IINSTALL NEW HAND/OFF/AUTO SWITCH FOR FAN OPERATION.

E3. INSTALL THERMOSTAT/TEMPERATURE SENSOR IN CEILING TO AUTOMATICALLY RUN FAN WHEN TEMPERATURE EXCEEDS 75 DEG. F. WHEN IN AUTO ON POSITION.

E4. INSTALL NEW NIPPLES FOR SPRINKLER LINES, EXTENDING TO LOWER CEILING LEVEL (NOT SHOWN FOR SIMPLICITY OF PLAN)

E5. REINSTALL 3 LIGHT FIXTURES, EXTENDING FLEX CONDUIT AND WIRING FROM DECK MOUNTED JUNCTION BOXES (NOT SHOWN FOR SIMPLICITY OF PLAN).

GENERAL CONSTRUCTION NOTES

1. PRIOR TO WORK, ALL CONTRACTOR EMPLOYEES AND SUBCONTRACTORS SHALL BE HAVE APPROVED VA BADGES, VETTED THROUGH FINGERPRINTING AND BACKGROUND CHECKS. ALL EMPLOYEES SHALL HAVE MINIMUM 10-HOUR OSHA APPROVED SAFETY TRAINING. FOREMAN SHALL HAVE MIN 30-HOUR OSHA CERTIFICATION. SEE SPECS FOR ADDITIONAL INFO.
2. ALL WORK SHALL BE ACCOMPLISHED TO MINIMIZE DISRUPTION TO VA OPERATIONS, AND CONDUCTED IN OTHER THAN THE NORMAL 8A-4:30P, MONDAY-FRIDAY.
3. ALL WORK SHALL HAVE NEGATIVE AIR AND HEPA FILTERS. PROVIDE WALK OFF MATS AT JOB ENTRANCE AREAS. PROVIDE TEMPORARY BARRIERS OF METAL STUD & DRYWALL, WITH ALL SEAMS TAPED. BARRIERS SHALL BE INCLUDED ABOVE THE CEILING TILE TO THE DECK TO INSURE NO FILTRATION OVER EXISTING CEILINGS.
4. CONTRACTORS SHALL USE ONLY THE SERVICE ELEVATORS TO TRANSPORT DEMOLITION DEBRIS, MANPOWER, AND NEW MATERIALS. CONTRACTOR SHALL MAINTAIN QUALITY CHECKS ON EXISTING FLOORS AND SWEEP/MOP AS REQUIRED.
5. ALL EMPLOYEE PARKING SHALL BE IN GRAVEL SPACES AROUND BLDG. 28 WAREHOUSE ON WESTERN RIDGE. NO JOB SITE TRAILER AROUND MEDICAL CENTER. COORDINATE DUMPSTER LOCATIONS WITH C.O.R.
6. WORK SHALL BE ACCOMPLISHED IN PHASES TO INSURE MINIMAL DISRUPTION. IN GENERAL WORK IN ONLY ONE PROCEDURE ROOM AT A TIME. COORDINATE WORK ACTIVITIES TO INSURE MINIMAL DOWNTIME AT ALL TIMES. PROTECT EXISTING FURNISHINGS IN WORK AREAS THAT WILL BE OCCUPIED BY VA DURING NORMAL WORK HOURS.
7. ALL MECHANICAL WORK SHALL BE ACCORDING TO CURRENT EDITION OF S.M.A.C.N.A. STANDARDS. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE TO NATIONAL ELECTRIC CODE. ALL PLUMBING WORK SHALL BE ACCORDING TO NATIONAL PLUMBING CODE.
8. UNLESS OTHER WISE INDICATED, GENERAL NOTES APPLY TO ALL PAGES OF DRAWINGS.

NORTH

UNITED STATES DEPARTMENT OF VETERANS AFFAIRS
VA MEDICAL CENTER - 1540 SPRING VALLEY DRIVE - HUNTINGTON WV 25704

DRAWING TITLE: Demolition & Renovation Plans Rm 114 Mechanical & Electrical Plans Rm 114	PROJECT TITLE: Upgrade Mechanical & Electrical Systems B23R			APPROVED: - APPROVED: :
APPROVED: JOHN KLIM III CHIEF ENGINEERING SERVICE	BUILDING: 23R	PROJECT NUMBER: 581-12-105	DRAWING NUMBER: 1	APPROVED: :
APPROVED: SUZANNE L. JENE', MBA, VHA-CM ASSOCIATE MEDICAL CENTER DIRECTOR	DRAWN: STEVE BOYES	DATE: April 2012	DWG. OF	