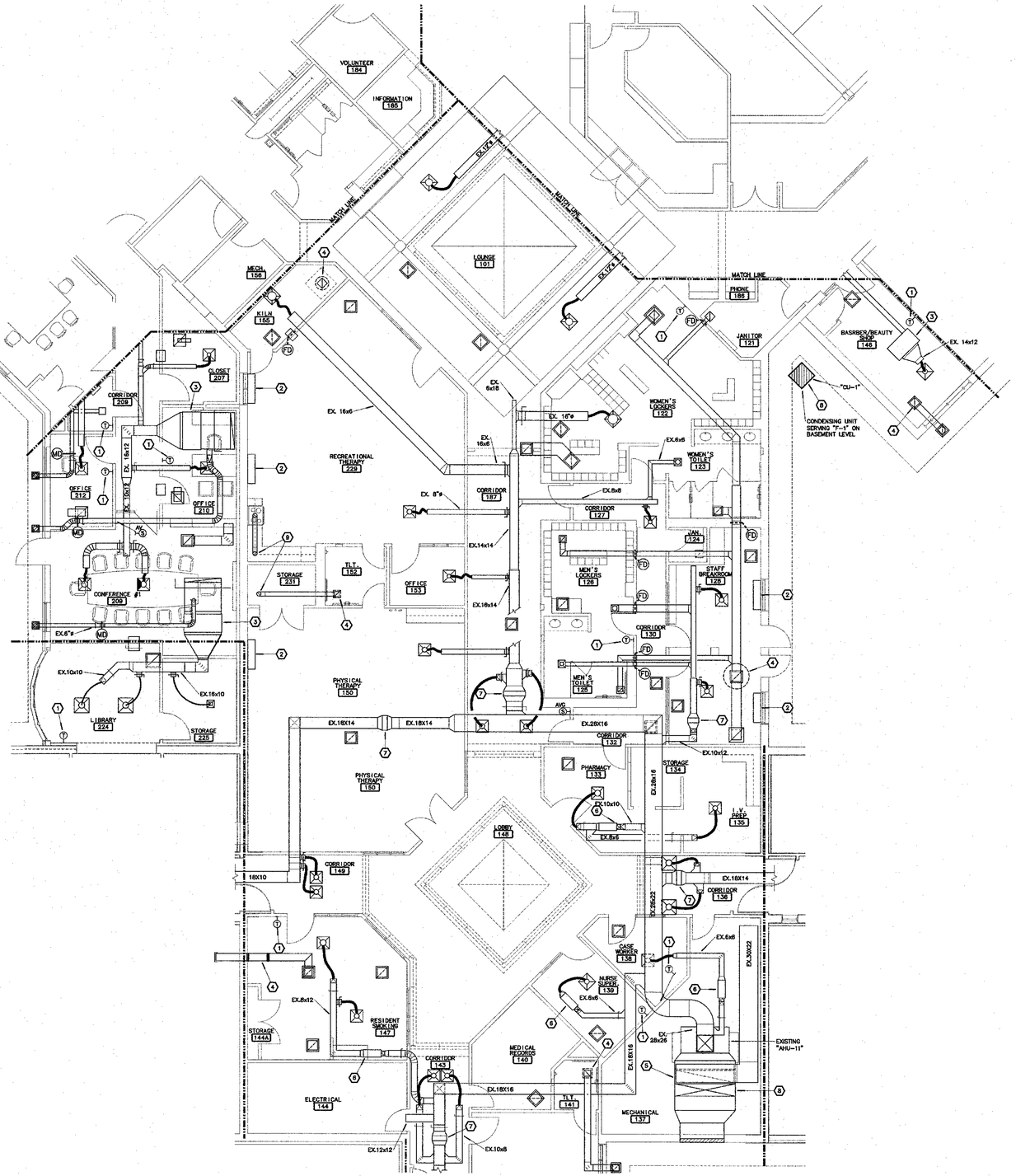


PARTIAL CENTRAL FACILITIES MECHANICAL IMPROVEMENT PLAN

1 / M-104 SCALE: 1/8"=1'-0"

NORTH

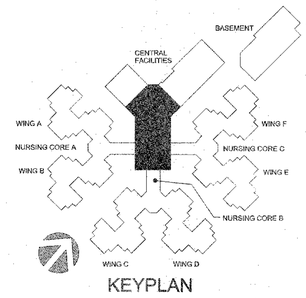
Consulting Engineers
3333 East Battlefield, Suite 1000
Springfield, Missouri 65804
phone 417.881.0020
fax 417.881.0083
mfec.com
Mitchell-Fink-Eckhardt & Collins, Inc.

NOTES:

1. EXISTING THERMOSTAT TO REMAIN.
2. EXISTING VERTICAL 4-PIPE FAN COIL UNIT TO REMAIN.
3. EXISTING FAN COIL TO REMAIN.
4. EXISTING EXHAUST FAN TO REMAIN.
5. REMOVE AND REPLACE EXISTING MIXED AIR DAMPER ACTUATOR. CLEAN DAMPERS AND GREASE ACTUATOR ARM AND DAMPERS FOR A FULLY OPERATIONAL ECONOMIZER OPERATION. REBALANCE SUPPLY, RETURN AND OUTSIDE AIR TO VALUES SHOWN ON THE AIR HANDLING UNIT SCHEDULE.
6. EXISTING BYPASS AIR TERMINAL UNIT TO REMAIN.
7. EXISTING HOT WATER COIL TO REMAIN.
8. REMOVE EXISTING CONDENSING UNIT, AND ALL REFRIGERANT PIPING, CONTROLS, AND POWER NOT UTILIZED IN COMPLETED PROJECT. REMOVE AND REPLACE EXISTING PAD WITH A NEW 3.5" THICK CONCRETE PAD, EXTENDING A MINIMUM OF 4" BEYOND EACH SIDE OF THE UNIT, SET LEVEL. PROVIDE NEW CONDENSING UNIT AND ROUTE REFRIGERANT IN ORIGINAL LOCATION. SIZE AND INSTALLATION OF REFRIGERANT PIPING SHALL BE PER MANUFACTURERS RECOMMENDATIONS. SEAL EXTERIOR WALL PENETRATION WATERTIGHT.
9. EXISTING EXHAUST DUCT UP TO ROOF PENETRATION.

GENERAL NOTES:

1. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL PLUMBING CODE.
2. ALL MECHANICAL WORK SHALL BE IN ACCORDANCE WITH THE 2015 EDITION OF THE INTERNATIONAL MECHANICAL CODE.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID. NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS.
4. CONTRACTOR SHALL SCHEDULE AND EXECUTE ALL WORK WITH REGARD TO THE OWNER'S USE OF THE BUILDING.
5. PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
6. FOR ALL PLUMBING OR HVAC QUESTIONS DURING BIDDING OR DURING CONSTRUCTION, CONTACT SCOTT VANDOREN. (417-881-0020)



KEYPLAN

STATE OF MISSOURI
ERIC R. GREITENS,
GOVERNOR

CAMERON K. COLLINS NUMBER E-24481 PROFESSIONAL ENGINEER 10-27-17

Missouri State Certificate of Authority #2001075
PROFESSIONAL SEAL

ESTERLY SCHNEIDER & ASSOCIATES, INC. AIA architects & planners
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.6558
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e-mail: architect@esterlyschneider.com
Certificate of Authority #000718

COMM. # 4092

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DEPARTMENT OF PUBLIC SAFETY,
MISSOURI VETERANS COMMISSION

HVAC REPLACEMENT PROJECT

MISSOURI VETERANS HOME

620 N. JEFFERSON
ST. JAMES, MO 65559

PROJECT #	U1503-03
FAI #	29-051
SITE #	4700
FACILITY #	55019

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 10-27-17

CAD DWG FILE: M-104.DWG
DRAWN BY: JMO
CHECKED BY: CKC
DESIGNED BY: JMO

SHEET TITLE:

MECHANICAL PLAN

SHEET NUMBER:

M-104

8 OF 41 SHEETS

10-27-17

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