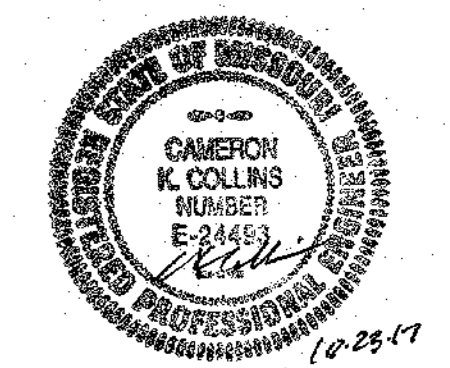


NOTES:

1. EXISTING AIR HANDLING UNIT "AHJ2" TO REMAIN. REMOVE AND REPLACE PIPING AND VALVING PER COIL DETAILS. REMOVE AND REPLACE 2" HWS, 2" CWS, 2" CHS AND 2.5" CWR BRANCH PIPING BACK TO MAIN CONNECTION AND REPLACE ALL DIELECTRIC FITTINGS. PROVIDE NEW SHUT-OFF VALVES AT MAIN PIPING CONNECTION AND RECONNECT TO MAIN PIPING. FIELD VERIFY EXISTING CONDITIONS, AND LOCATION OF CONNECTIONS TO ALL EXISTING PIPING CONNECTIONS. PROVIDE ALL REQUIRED ADJUSTMENTS TO EXISTING PIPING TO ACCOMMODATE AIR HANDLING UNIT. BALANCE WATER FLOWRATES PER AIR HANDLING UNIT SCHEDULE.
2. EXISTING HORIZONTAL 4-PIPE FAN COIL UNIT TO REMAIN.
3. EXISTING VERTICAL 4-PIPE FAN COIL UNIT TO REMAIN.
4. EXISTING FAN POWERED VAV TERMINAL UNIT TO REMAIN.
5. EXISTING HOT WATER RADIATOR TO REMAIN.
6. EXISTING AIR HANDLING UNIT "AHJ3" TO REMAIN. REMOVE AND REPLACE BRANCH PIPING AND VALVING PER COIL DETAILS. REMOVE AND REPLACE BRANCH PIPING WITH 2" HWS, 2" HWR, 2.5" CWS AND 2.5" CWR BRANCH PIPING BACK TO MAIN CONNECTION AND REPLACE ALL DIELECTRIC FITTINGS. TRANSITION NEW 2" PIPING BACK DOWN TO EXISTING 1.25" MAIN PIPE SIZE. NEW PIPING IS SPECIFIED FOR FUTURE AIR HANDLING UNIT. PROVIDE NEW SHUT-OFF VALVES AT MAIN PIPING CONNECTION AND RECONNECT TO MAIN PIPING. FIELD VERIFY EXISTING CONDITIONS, AND LOCATION OF CONNECTIONS TO ALL EXISTING PIPING CONNECTIONS. PROVIDE ALL REQUIRED ADJUSTMENTS TO EXISTING PIPING TO ACCOMMODATE AIR HANDLING UNIT. BALANCE WATER FLOWRATES PER AIR HANDLING UNIT SCHEDULE.

GENERAL NOTES:

1. FOR ALL MECHANICAL QUESTIONS DURING BIDDING OR DURING CONSTRUCTION, CONTACT SCOTT VANDEREN AT MALONE FINNLE ECHARDT AND COLLINS, INC. (417-881-0020)
2. MECHANICAL HOT WATER HEATING SYSTEM SHALL BE DRAINED DOWN DURING THE COOLING SEASON. BOILER SYSTEM, HOT WATER PUMPS, AND ALL HOT WATER PIPING CHANGES SHALL BE PERFORMED DURING THE COOLING SEASON. ALL WORK SHALL BE PERFORMED, STARTING JUNE 1, 2018 AND SUBSTANTIALLY COMPLETE BY AUGUST 31, 2018.
3. MECHANICAL CHILLED WATER AND CONDENSER WATER SYSTEMS SHALL BE DRAINED DOWN DURING THE HEATING SEASON. CHILLED WATER PUMPS, CONDENSER WATER PUMPS AND ALL CHILLED WATER PIPING CHANGES SHALL BE PERFORMED DURING THE HEATING SEASON. ALL WORK SHALL BE PERFORMED, STARTING DECEMBER 1, 2017 AND SUBSTANTIALLY COMPLETE BY FEBRUARY 28, 2018.
4. CONTRACTOR SHALL COORDINATE WITH THE HWAO WATER TREATMENT CONTRACTOR PER SPECIFICATIONS SECTION 232500. ALL WATER TREATMENT SHALL BE COMPLETED BY THE SYSTEM SUBSTANTIAL COMPLETION DATE. SYSTEM, ADJUST AND BALANCE REPORT FOR THE WATER SYSTEMS SHALL BE COMPLETE AND APPROVED BY THE ENGINEER PRIOR TO THE SUBSTANTIAL COMPLETION DATE OF EACH WATER SYSTEM.



Missouri State Certificate of Authority #001075
PROFESSIONAL SEAL

1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0538

ESTERLY SCHNEIDER & ASSOCIATES, INC.
AIA architects & planners
e-mail: architect@esterlyschneider.com
Fax: 417.862.3266
Certification 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-113.DWG
DRAWN BY: JMO
CHECKED BY: CKC
DESIGNED BY: JMO

SHEET TITLE:

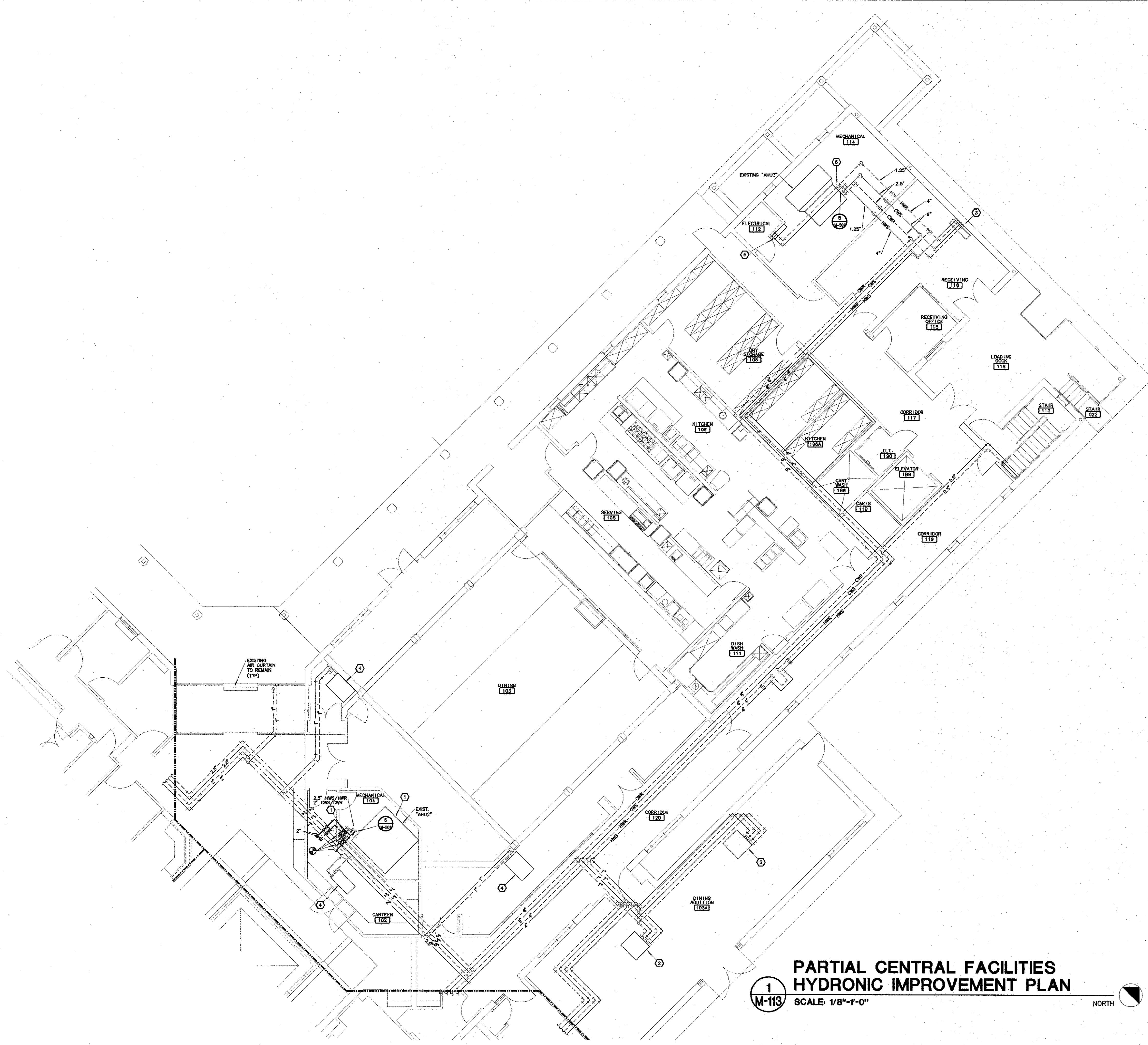
**HYDRONIC
PLAN**

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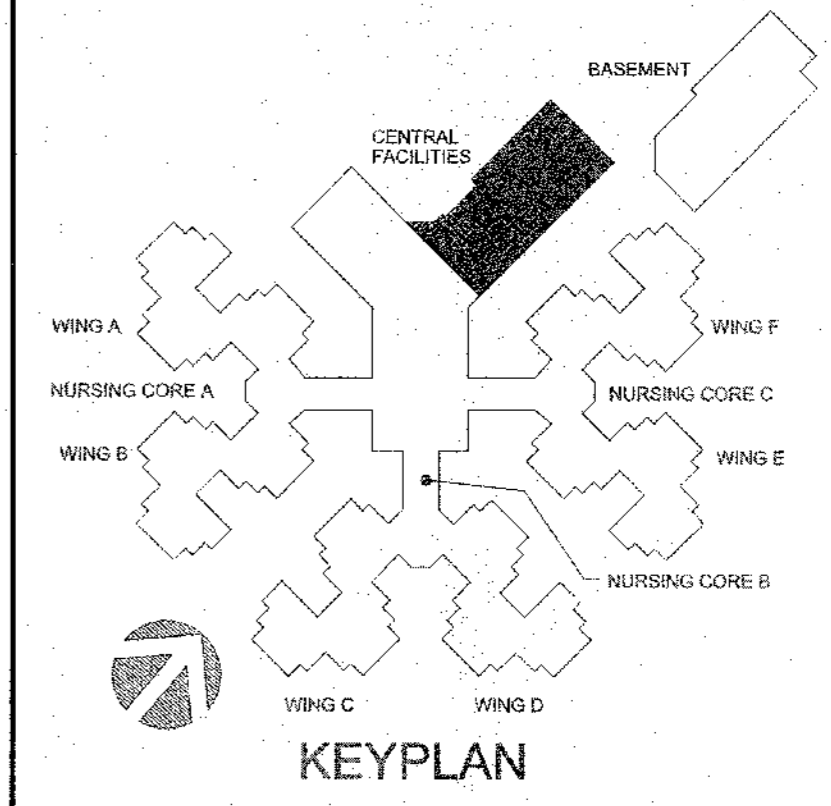
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17 OF 41 SHEETS

10-27-17



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M-113
**PARTIAL CENTRAL FACILITIES
HYDRONIC IMPROVEMENT PLAN**
SCALE: 1/8"=1'-0"
NORTH



HYDRONIC PARTIAL CENTRAL FACILITIES M-113 23 Oct 2017 4:52:27 pm