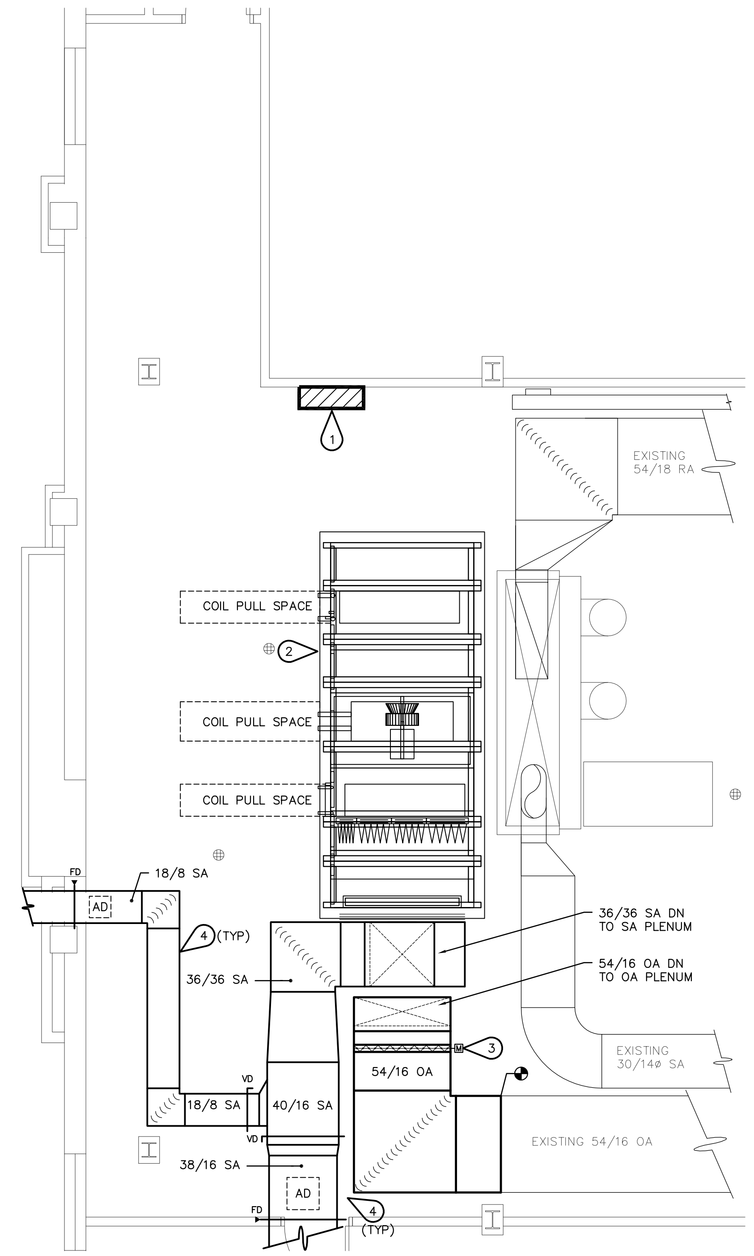
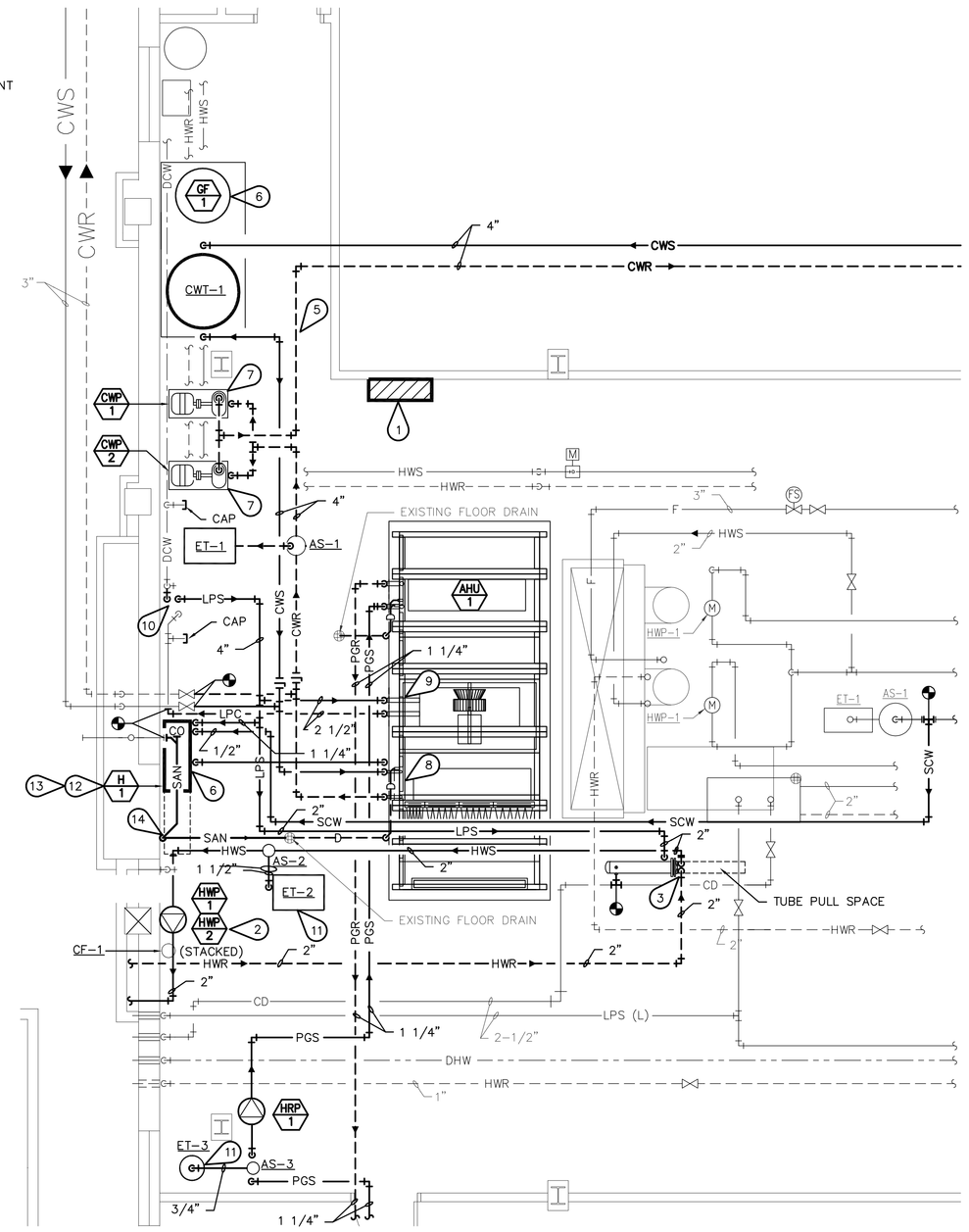
MECHANICAL HVAC KEYNOTES: (◇)

1. CONTROL CONTRACTOR (JOHNSON CONTROLS) SHALL PROVIDE AND INSTALL NEW CONTROL PANEL.
2. INSTALL AIR HANDLING UNIT ON CONCRETE EQUIPMENT PAD. EQUIPMENT PAD BY GENERAL CONTRACTOR.
3. PROVIDE AND INSTALL NEW MOTORIZED DAMPER.
4. ROUTE DUCTWORK AS HIGH AS POSSIBLE. PROVIDE TRANSITIONS AND OFFSETS AS NEEDED. MAINTAIN A 7'-0" A.F.F. CLEARANCE.



1 M4.1 MECHANICAL ROOM HVAC PLAN
SCALE: 1/4" = 1'-0"



2 M4.1 MECHANICAL ROOM HVAC PIPING PLAN
SCALE: 1/4" = 1'-0"

MECHANICAL PIPING KEYNOTES: (◇)

1. CONTROLS CONTRACTOR (JOHNSON CONTROLS) SHALL INSTALL NEW CONTROL PANEL.
2. INSTALL INLINE PUMPS PER **DETAIL 8/M5.1.** PUMPS SHALL BE INSTALLED ALONG WALL WITH UNI-STRUT SUPPORTS.
3. INSTALL STEAM TO HOT WATER CONVERTER PER **DETAIL 11/M5.1** AND **DETAIL 1/M5.2.**
4. ROUTE CONDENSATE TO FLOOR DRAIN. INSTALL PER **DETAIL 10/M5.1**
5. PIPE INSULATION, REFER TO **DETAIL 6/M5.1.**
6. CHEMICAL FEEDER, REFER TO **DETAIL 7/M5.1.**
7. INSTALL BASE MOUNTED PUMP PER **DETAIL 9/M5.1.**
8. INSTALL CHILLED WATER COIL PER **DETAIL 12/M5.1.**
9. INSTALL STEAM HEATING COIL PER **DETAIL 13/M5.1.**
10. ROUTE NEW 4" LPS AND 1 1/2" CW UP FROM TUNNEL.
11. MOUNT EXPANSION TANKS AND EXPANSION TANKS FROM THE BUILDING STRUCTURE.
12. STEAM HUMIDIFIER INSULATION SHALL BE INSTALLED FOR EASY REMOVAL FOR SERVICING THE HUMIDIFIER.
13. INSTALL STEAM HUMIDIFIER AND PIPING PER MANUFACTURERS RECOMMENDATIONS.
14. RE-ROUTED EXISTING CONDENSATE PIPING, ROUTE DOWN AGAINST WALL TO FLOOR, THEN EXISTING DRAIN AS SHOWN.

© 2012 Calvin L. Hinz Architects P.C.

These plans are specifically designed for construction by Calvin L. Hinz Architects and are intended for no other purposes. Permission for use of this document in part or whole without written consent of Calvin L. Hinz Architects is prohibited.

COPYRIGHT 122017
This document and the information contained may not be reproduced or excerpted from without the express written permission of Farris Engineering, Inc. Unauthorized copying, disclosure or construction use are prohibited by the copyright law.

Revisions: | Date

PHILIP M. SCHREIER E-4552 REGISTERED MECHANICAL ENGINEER STATE OF NEBRASKA

ARCHITECT/ENGINEERS:

Calvin L. Hinz Architects, P.C.
3705 North 200th Street
Elkhorn, Nebraska 68022
Phone:402.291.6941 Fax: 402.291.9193

FARRIS ENGINEERING
OMAHA | LINCOLN | DES MOINES | COLORADO SPRINGS
farris-usa.com

Drawing Title: LARGE SCALE MECHANICAL ROOM PLANS - HVAC / PIPING

Approved: Project Director: KEVIN HUTSELL

CONSTRUCTION DOCUMENTS (CD-3) FINAL SUBMITTAL (100%) APRIL 6, 2012

Project Title: CORRECT NWIHCS SPD DEFICIENCIES

Location: VAMC Grand Island, Nebraska

Date: APRIL 6, 2012 | Checked: PMS | Drawn: MJS

Project Number: 636-12-105A

Building Number: ONE

Drawing Number: M4.1

Dwg. 12 of 19

Office of Construction and Facilities Management

Department of Veterans Affairs

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
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
G:\2012\122017\CAD\Mechanical\122017-M4.1.dwg 4-06-12 10:29:13 AM MJS

VA FORM 08-6231