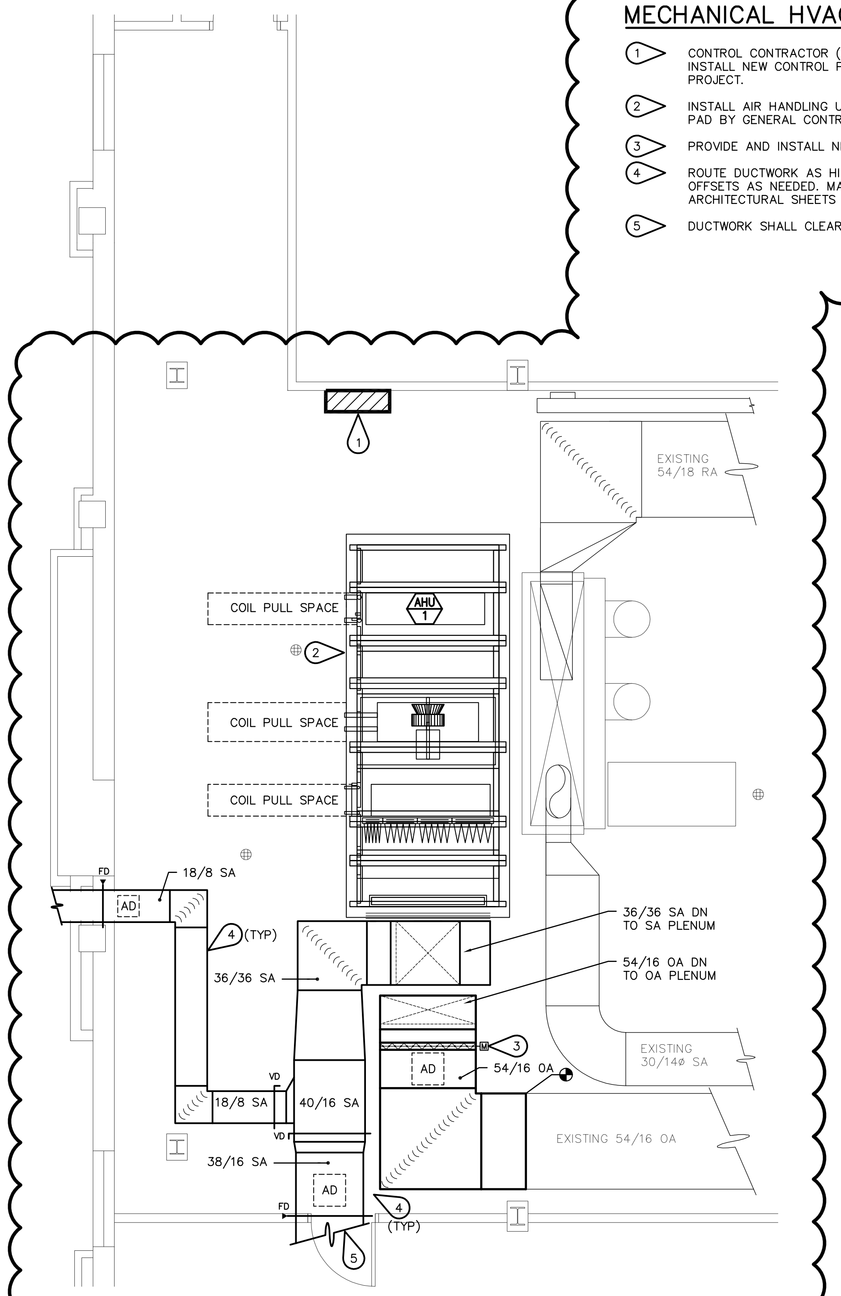
MECHANICAL HVAC KEYNOTES: (◇)

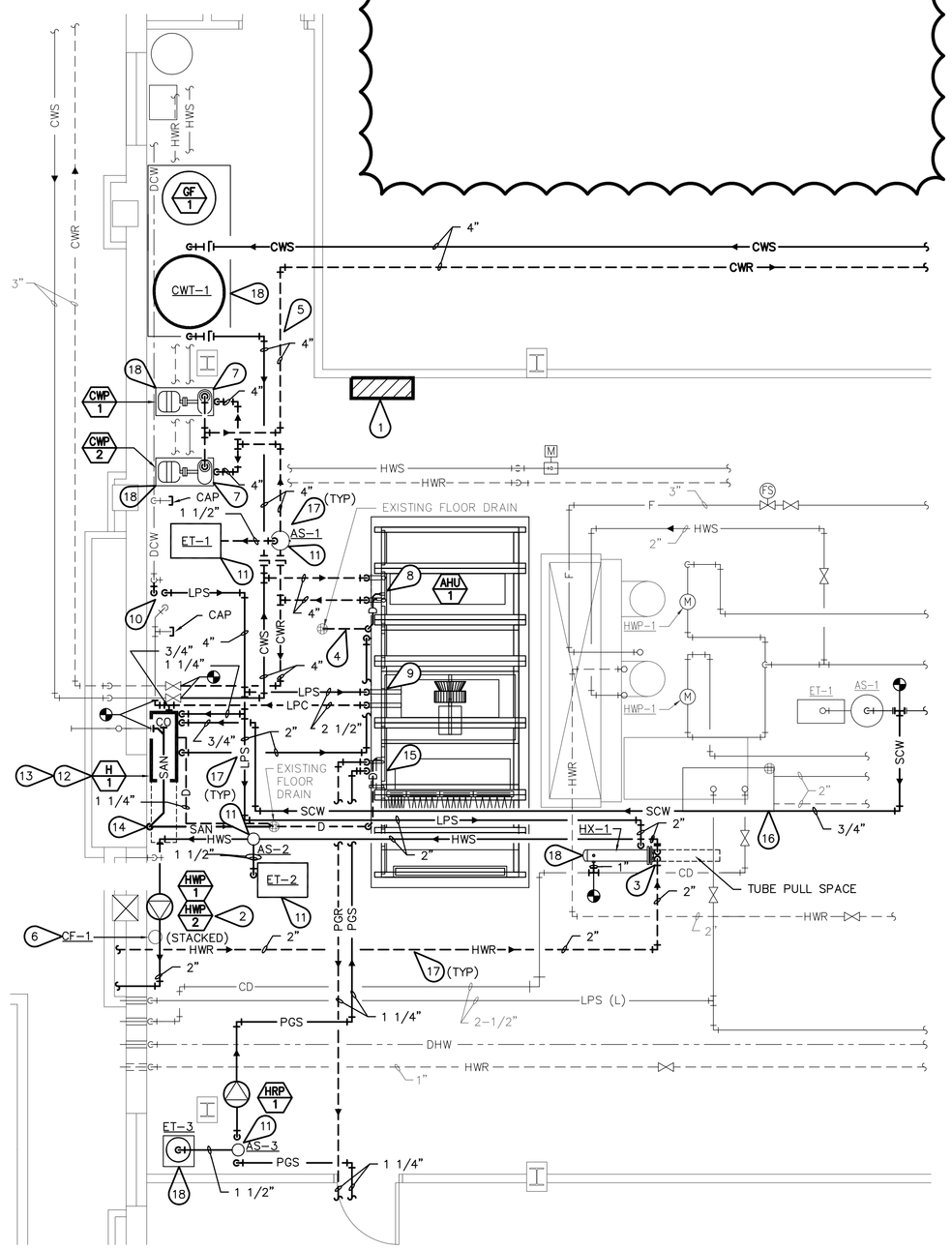
1. CONTROL CONTRACTOR (JOHNSON CONTROLS) SHALL PROVIDE AND INSTALL NEW CONTROL PANEL AND ALL CONTROLS ASSOCIATED WITH THIS PROJECT.
2. INSTALL AIR HANDLING UNIT ON CONCRETE EQUIPMENT PAD. EQUIPMENT PAD BY GENERAL CONTRACTOR.
3. PROVIDE AND INSTALL NEW MOTORIZED DAMPER AND ACCESS DOOR.
4. ROUTE DUCTWORK AS HIGH AS POSSIBLE. PROVIDE TRANSITIONS AND OFFSETS AS NEEDED. MAINTAIN A 7'-4" A.F.F. CLEARANCE. REFER TO ARCHITECTURAL SHEETS FOR CEILING HEIGHTS.
5. DUCTWORK SHALL CLEAR DOOR FRAME.



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

MECHANICAL PIPING KEYNOTES: (◇)

1. CONTROLS CONTRACTOR (JOHNSON CONTROLS) SHALL INSTALL NEW CONTROL PANEL AND ALL CONTROLS ASSOCIATED WITH THIS PROJECT.
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/SUPPORT. 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 AIR SEPARATORS 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, PIPING AND ALL ACCESSORIES PER MANUFACTURERS RECOMMENDATIONS.
14. RE-ROUTED EXISTING CONDENSATE PIPING, ROUTE DOWN AGAINST WALL TO FLOOR THEN TO EXISTING DRAIN AS SHOWN.
15. INSTALL HEAT RECOVERY COIL.
16. ROUTE SOFT COLD WATER TO HUMIDIFIER.
17. INSTALL ALL PIPING AS HIGH AS POSSIBLE.
18. CONCRETE EQUIPMENT PADS BY GENERAL CONTRACTOR. COORDINATE SIZE AND LOCATIONS WITH GENERAL CONTRACTOR.



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

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Revisions: | Date

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

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

ARCHITECT/ENGINEERS:

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

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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

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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

VA FORM 08-6231