

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
one sixteenth inch = one foot

A

B

C

D

E

F

G

H

A

B

C

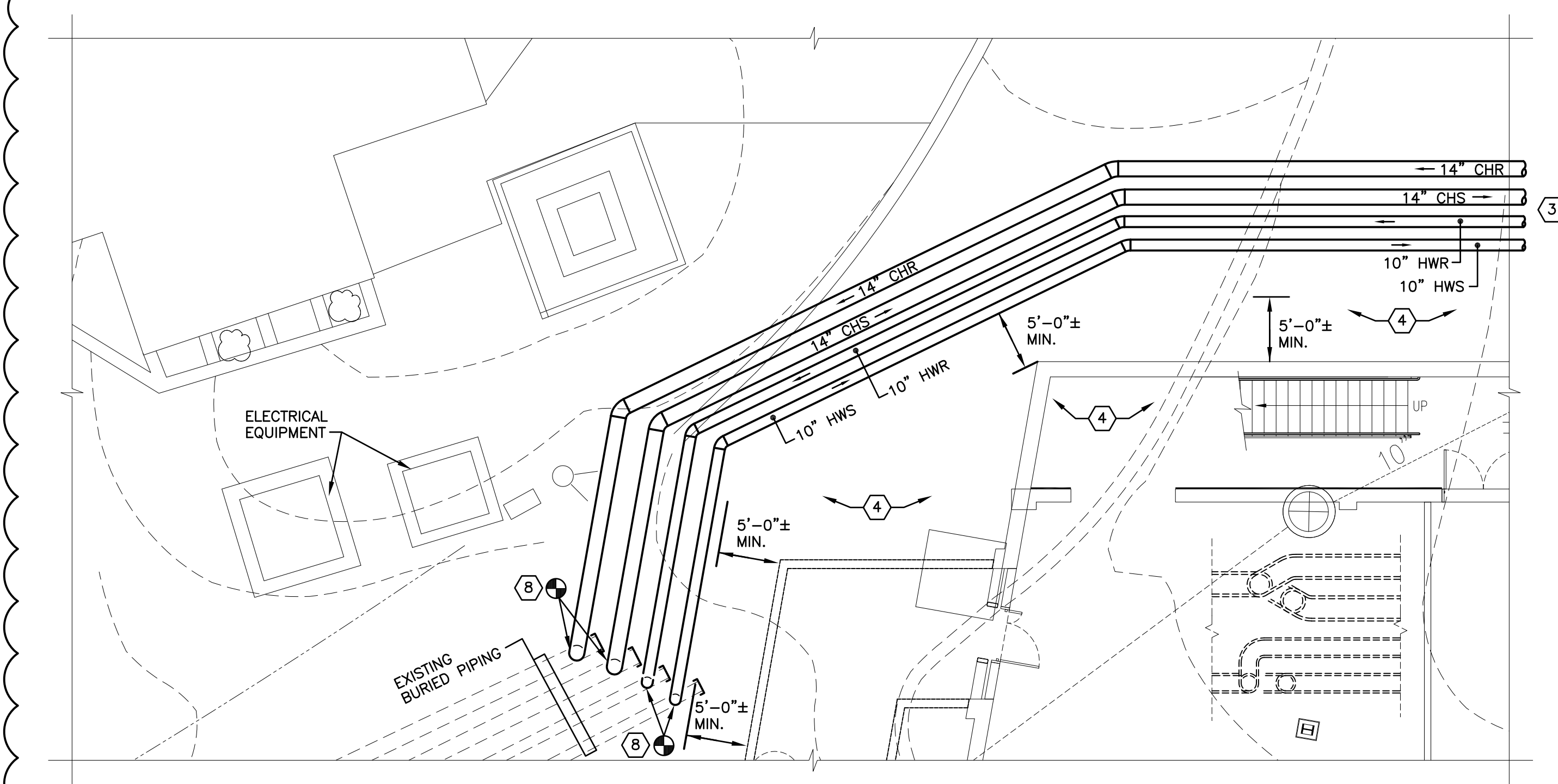
D

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F

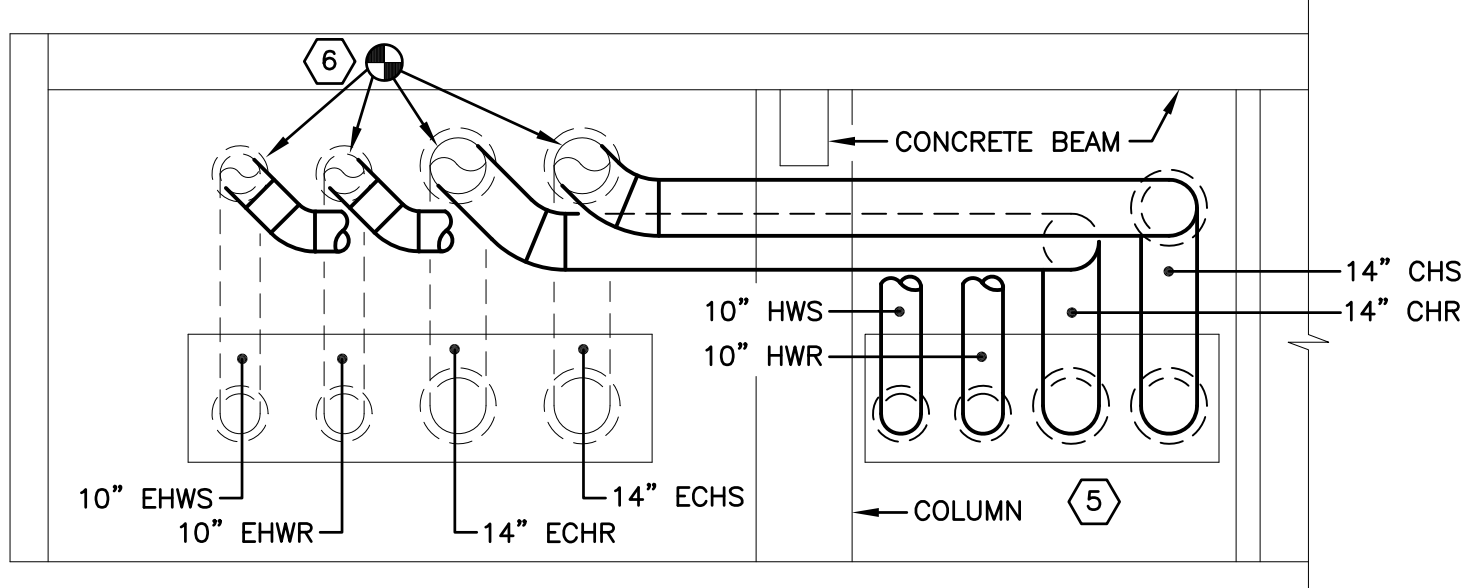
G

H



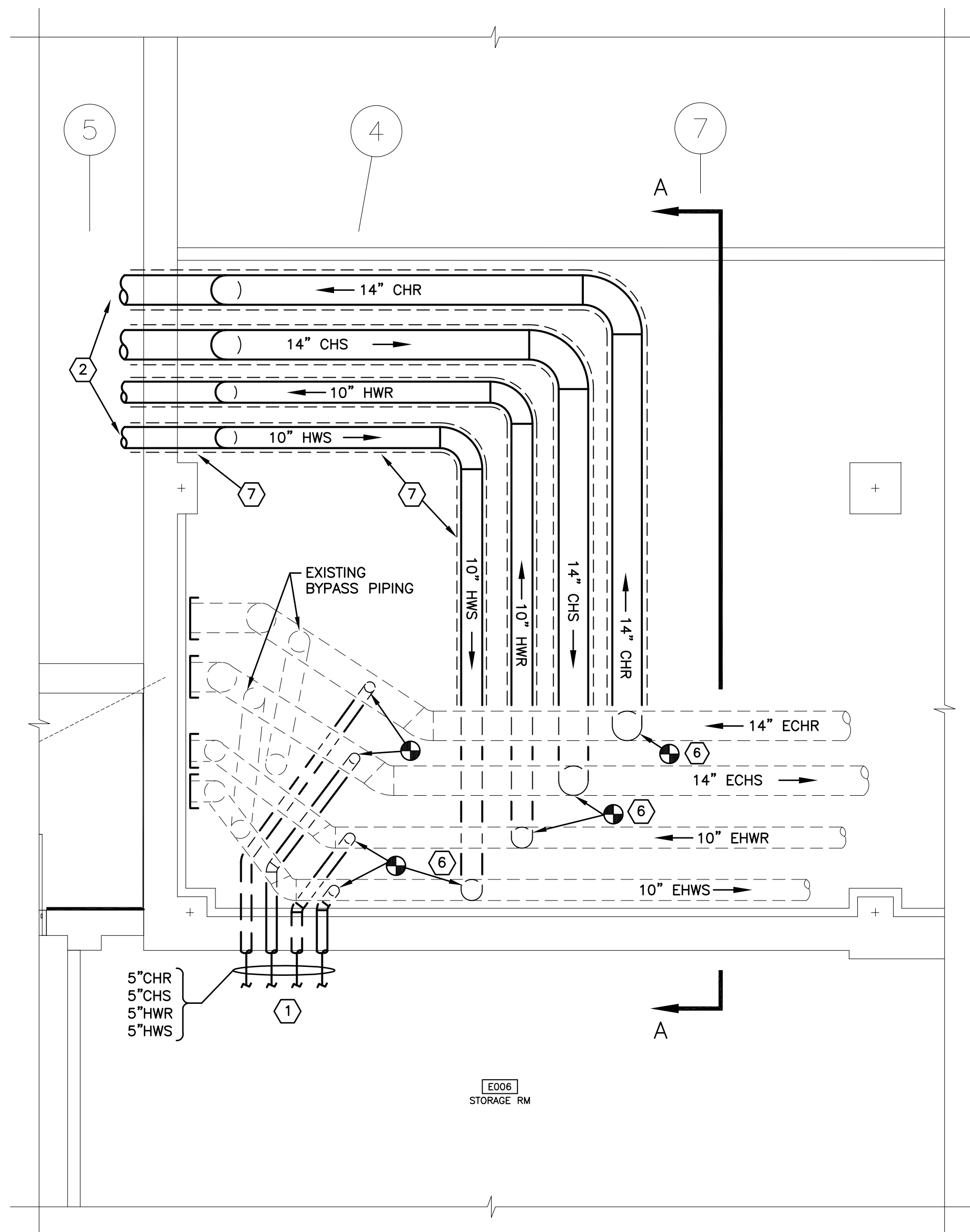
PARTIAL SITE PLAN

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



SECTION A-A

SCALE: 1/4" = 1'-0"



ENLARGED PARTIAL BASEMENT MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. RUN ALL PIPING HIGH AS POSSIBLE, TO MAXIMIZE HEADROOM. COORDINATE WITH EXISTING LIGHTING, CONDUIT, PIPING, ETC.
2. ALL MECHANICAL WORK UNDER "M" DRAWINGS SHALL BE COMPLETE WORKING SYSTEMS, WHETHER SHOWN OR NOT IN THEIR ENTIRETY.
3. WHEN PIPING SYSTEMS ARE COMPLETE, CONTRACTOR SHALL BE RESPONSIBLE FOR ENTIRE COMMISSIONING OF CHILLED WATER AND HOT WATER SYSTEMS FROM CONNECTIONS AT EXISTING CHILLER BUILDING TO CONNECTION POINTS IN WAREHOUSE OF EXISTING HOSPITAL, PER THE COMMISSIONING SPECIFICATIONS.
4. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND CONNECTION POINTS IN COORDINATION WITH FACILITY PERSONNEL.

KEYED NOTES:

1. CONNECT TO EXISTING CHILLED WATER AND HOT WATER PIPING AS SHOWN. PROVIDE NEW CHILLED WATER AND HOT WATER PIPING AND EXTEND INTO NEW EMERGENCY DEPARTMENT BASEMENT. CONNECTION POINTS TO BE MADE AFTER EXISTING BYPASS PIPING AS INDICATED. SEE BASEMENT MECHANICAL PLAN - WING 'B' FOR CONTINUATION.
2. SEE PARTIAL SITE PLAN FOR CONTINUATION.
3. SEE ENLARGED PARTIAL BASEMENT MECHANICAL PLAN FOR CONTINUATION.
4. AFTER BYPASS PIPING IS OPERATIONAL, DISCONNECT & REMOVE EXISTING BURIED PIPING BACK TO POINTS INDICATED AND CAP.
5. DISCONNECT & REMOVE EXISTING CONNECTOR. CUT BACK PIPING AND CONTROLS TO FLOOR AND CAP.
6. PROVIDE NEW PIPING AND CONNECT AT LOCATIONS INDICATED, COORDINATE WITH FACILITY FOR EXACT LOCATIONS.
7. EXTEND PIPING TO EXTERIOR WALL AND DROP DOWN AND PENETRATE EXISTING WALL AS SHOWN. PROVIDE WALL SLEEVES AT PENETRATION. SEE SECTION A-A.
8. CONNECT TO EXISTING PIPING AT LOCATION SHOWN. COORDINATE EXACT LOCATION WITH ALL EXISTING UNDERGROUND UTILITIES AND WITH FACILITY PERSONNEL.

TEMPERATURE CONTROLS SYMBOL LIST

(T)	ROOM THERMOSTAT/TRANSMITTER - WALL MOUNT	(TSL)	TEMPERATURE SWITCH, LOW (FREEZESTAT)	(PC)	PRESSURE CONTROLLER. SEE SEQUENCE OF OPERATION
(M)	ROOM HUMIDISTAT (MOISTURE)/TRANSMITTER - WALL MOUNT	(TSH)	TEMPERATURE SWITCH, HIGH (FREEZESTAT)	(SC)	SPEED CONTROLLER. SEE SEQUENCE OF OPERATION
(TT)	TEMPERATURE TRANSMITTER	(LC)	LEVEL CONTROLLER	(FC)	FLOW CONTROLLER. SEE SEQUENCE OF OPERATION
(TT)	TEMPERATURE TRANSMITTER, AVERAGING ELEMENT	(LT)	LEVEL TRANSMITTER	(FSH)	FLOW SWITCH HIGH
(MT)	MOISTURE (HUMIDITY) TRANSMITTER	(PSH)	PRESSURE SWITCH HIGH	(FSL)	FLOW SWITCH LOW
(PT)	PRESSURE TRANSMITTER	(PSL)	PRESSURE SWITCH LOW	(KC)	TIME CLOCK CONTROLLING EQUIPMENT ON A SCHEDULE
(SPS)	STATIC PRESSURE SENSOR	(EPT)	ELECTRONIC TO PNEUMATIC TRANSDUCER		
(FT)	FLOW TRANSMITTER	(AT CO2)	CARBON DIOXIDE TRANSMITTER		
(IT)	CURRENT TRANSMITTER	(AT CO)	CARBON MONOXIDE TRANSMITTER		
(CT)	CONDUCTIVITY TRANSMITTER	(AT OC)	OCCUPANCY SENSOR		
(SD)	SMOKE DETECTOR	(LTCP)	LOCAL TEMPERATURE CONTROL PANEL		
(PDT)	PRESSURE DIFFERENTIAL TRANSMITTER	(HVAC)	HVAC CONTROL PANEL		
(PDS)	PRESSURE DIFFERENTIAL SWITCH	(VSMC)	VARIABLE SPEED MOTOR CONTROLLER		
(HS)	HAND SWITCH (HAND-OFF-AUTO SWITCH)				
(ZC)	VALVE OR DAMPER POSITION CONTROLLER	(ECC)	INTEGRATE CONTROL POINT ON REMOTE GRAPHICS WORKSTATION AT ENERGY CONTROL CENTER		
(KR)	LOCAL RECORDING TIME CLOCK (RUNTIME)	(TC)	TEMPERATURE CONTROLLER. SEE SEQUENCE OF OPERATION		

MECHANICAL SYMBOL LIST

GENERAL Connect new work to existing		PIPING Chilled Water Return Chilled Water Supply Existing Chilled Water Return Existing Chilled Water Supply Cold Water Condensate Drain Drain Heat Recovery Return Heat Recovery Supply Hot Water Return Hot Water Supply Existing Hot Water Return Existing Hot Water Supply Medium Pressure Condensate Return Medium Pressure Steam Exist. Medium Press. Condensate Ret Exist. Medium Pressure Steam Relief Vent		VALVES AND PIPING ACCESSORIES Direction of fluid flow Dirt Leg Drain Valve LP drip assembly Pipe down Pipe up Pipe takeoff from bottom Backflow Preventer Balance Valve Ball Valve Butterfly Valve Calibrated Balance Valve Check Valve Gate Valve Manual Air Vent Pipe Anchor Point Pipe Guide Pressure Gauge Strainer 2-Way Temperature Control Valve 3-Way Temperature Control Valve Thermometer Union		MECHANICAL ABBREVIATIONS Access Door Automatic Temperature Control BTU Per Hour (Thousand) Capacity Cubic Feet Per Minute Direct Digital Control Entering Air Temperature Entering Dry Bulb Temperature Entering Water Temperature Entering Wet Bulb Temperature Leaving Air Temperature Leaving Dry Bulb Temperature Leaving Water Temperature Leaving Wet Bulb Temperature External Static Pressure Exhaust Air Fire Damper Gallon Gallons Per Minute Gauge or Gage Head Linear Feet or Foot Outside Air Intake Pounds Per Hour Pressure Drop Relative Humidity Return Air Supply Air Static Pressure Variable Air Volume Variable Frequency Drive Pressure Independent Air Flow Control Valve		GENERAL ABBREVIATIONS Above Finished Floor Ceiling Diameter Down Drawing Elevation Existing Feet Floor Horsepower Manufacturer Maximum Minimum Mounted Not Applicable Number On Center Typical Normally Open Normally Closed		FINAL DESIGN (100%) FULLY SPRINKLERED	
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CONSULTING ENGINEERS
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247 ROUTE 100 SUITE 1003 SOMERS NEW YORK 10589
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291 River Street
Troy, NY 12180
www.ryanbiggs.com

RYAN-BIGGS ASSOCIATES, P.C.
p 518 272.6265
f 518 272.4467

PROFESSIONAL ENGINEER
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ARCHITECT/ENGINEERS:

Hyman Hayes

ASSOCIATES
6 WENDLEY COURT, ALBANY, NEW YORK 12205
(518) 452-3470
HHA Proj. 10046

Drawing Title
MECHANICAL:
SYMBOLS LIST & ENLARGED PARTIAL
BASEMENT MECHANICAL PLAN

Approved Project Director

Project Title
NEW EMERGENCY DEPARTMENT
Stratton VA Medical Center

Location
Albany, New York

Date
JULY 24, 2012

Checked
BJF

Drawn
PBL

Project Number
VA 528-809

Building Number
95

Drawing Number
M1.1

Dwg. 90 of 115

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

ADDENDUM #1

7/24/12

Revisions

Date

VA FORM 08-6231

FFA #7451