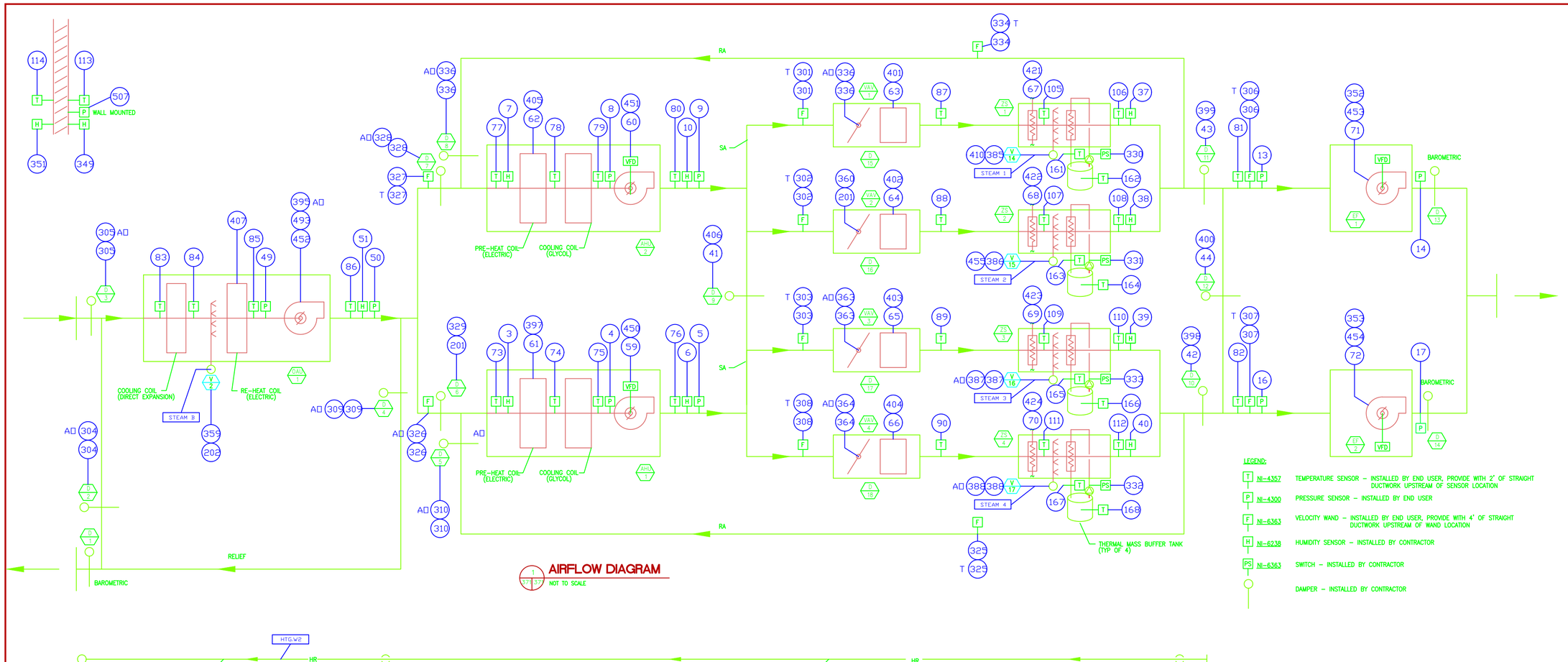
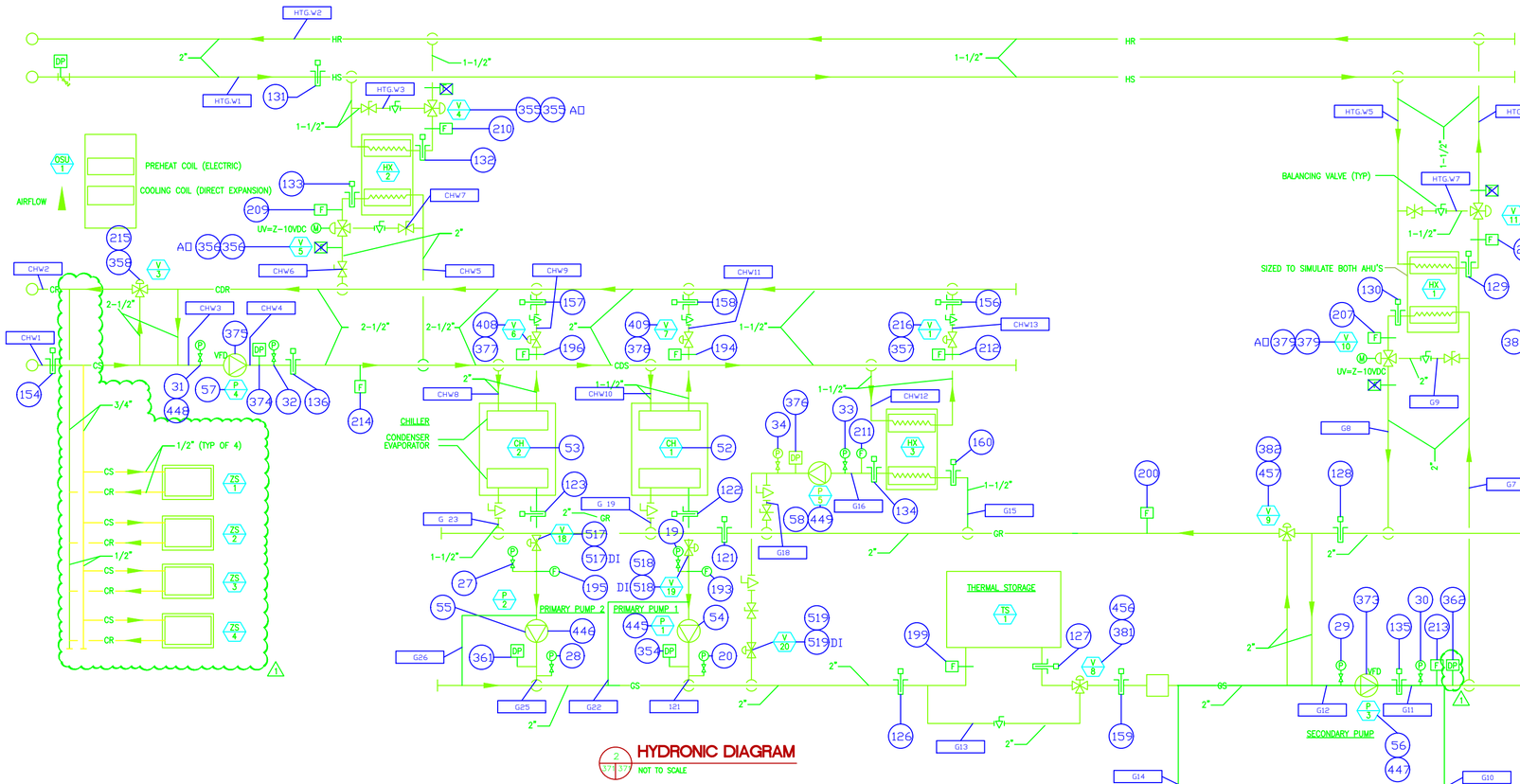
REVISION	DESCRIPTION	BY	DATE
0	ISSUE FOR CONSTRUCTION		09/06/13
1	PRE-BID CLARIFICATION		11/08/13

GENERAL NOTES:

1. SEE DETAILS FOR ADDITIONAL PIPING SPECIALTIES REQUIRED AT EQUIPMENT.



AIRFLOW DIAGRAM
NOT TO SCALE



HYDRONIC DIAGRAM
NOT TO SCALE

LEGEND:

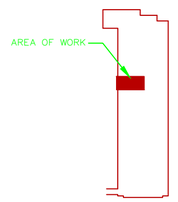
T	NI-4357	TEMPERATURE SENSOR – INSTALLED BY END USER, PROVIDE WITH 2' OF STRAIGHT DUCTWORK UPSTREAM OF SENSOR LOCATION
P	NI-4300	PRESSURE SENSOR – INSTALLED BY END USER
F	NI-6363	VELOCITY WAND – INSTALLED BY END USER, PROVIDE WITH 4' OF STRAIGHT DUCTWORK UPSTREAM OF WAND LOCATION
H	NI-6238	HUMIDITY SENSOR – INSTALLED BY CONTRACTOR
PS	NI-6363	SWITCH – INSTALLED BY CONTRACTOR
		DAMPER – INSTALLED BY CONTRACTOR

LEGEND:

T	NI-4357	THERMOWELL – INSTALLED BY CONTRACTOR, PROVIDE WITH 3-4 DIAMETERS OF STRAIGHT PIPING AT SENSOR LOCATION. SENSOR HEAD PROVIDED BY END USER
P	NI-4300	
F	NI-4300	FLOWMETER – INSTALLED BY CONTRACTOR, PROVIDE 3-4" STRAIGHT PIPE AT SENSOR LOCATION. SENSOR HEAD PROVIDED BY END USER
DP	NI-6363	SWITCH – INSTALLED BY CONTRACTOR

MECHANICAL AND ELECTRICAL ENGINEERING CONSULTANT:

MEP CONSULTANTS
20251 CENTURY BLVD #125
GERMANTOWN, MD 20874
P: 877-871-4229
F: 301-560-6336
JFORD@CFRENGINEERING.COM
PROJECT #12074



1/4"=1'-0"

M-12

U.S. DEPARTMENT OF COMMERCE
NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY
PLANT DIVISION

BUILDING 226 – ROOM A122 HVAC TESTING LAB

MECHANICAL SYSTEM DIAGRAMS

APPROVED BY	DATE	SPONSOR	DATE	FIRE PROTECTION SYS	DATE	O.H. & S. DIV	DATE	PLANNING & ENGR. OFF.	DATE	PROJECT ENGR	DATE	GG	12.17.2018	5597	DP# N/A
												DRAWN BY	DATE	PROJECT/W.O.	DESIGN PROJ. #

SH.NO. 1 OF 1 DWG. 226-372