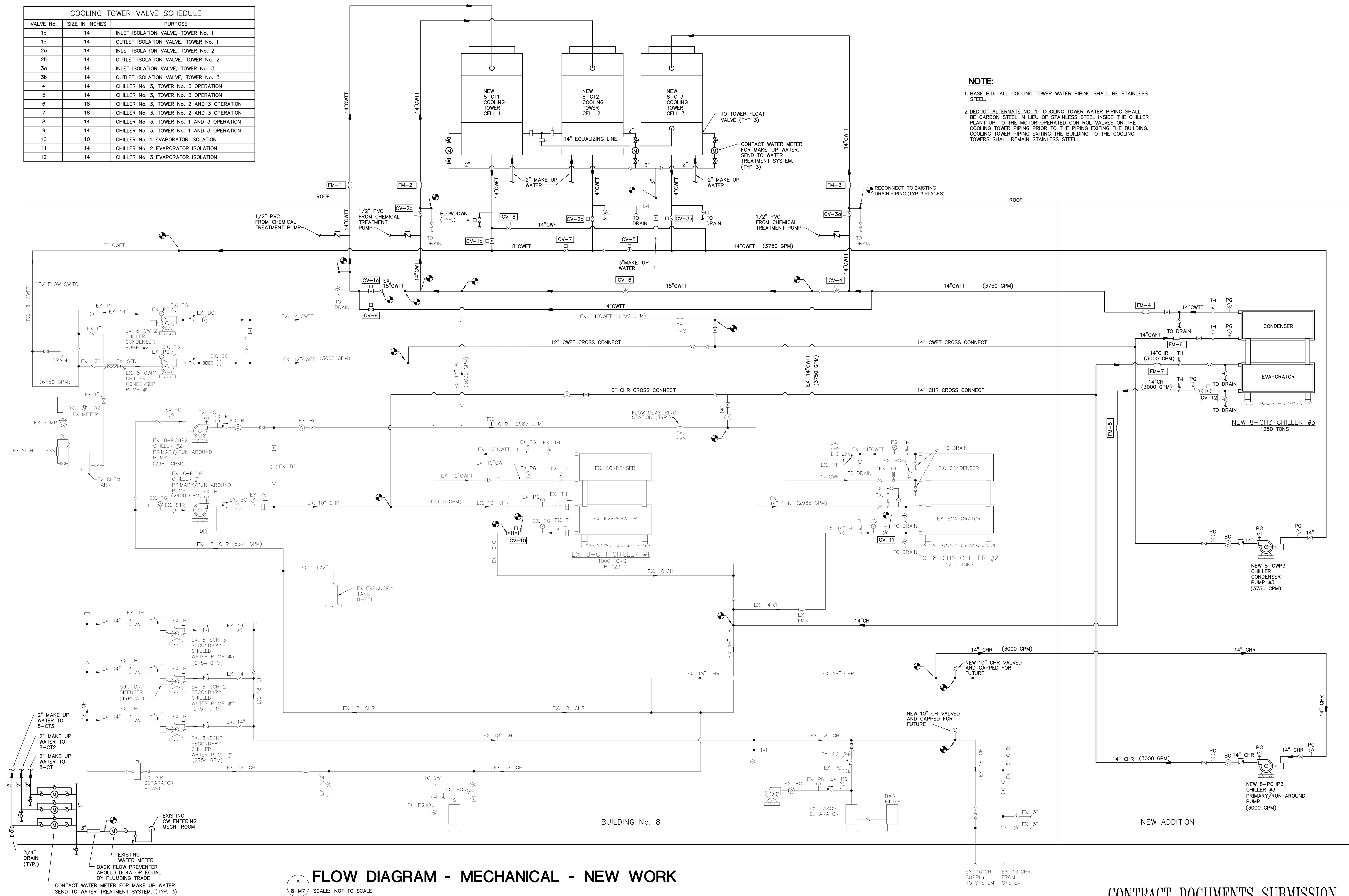


A three inches = one foot
B one and one-half inches = one foot
C one inch = one foot
D three-quarters inch = one foot
E one-half inch = one foot
F three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot

COOLING TOWER VALVE SCHEDULE		
VALVE No.	SIZE IN INCHES	PURPOSE
1a	14	INLET ISOLATION VALVE, TOWER No. 1
1b	14	OUTLET ISOLATION VALVE, TOWER No. 1
2a	14	INLET ISOLATION VALVE, TOWER No. 2
2b	14	OUTLET ISOLATION VALVE, TOWER No. 2
3a	14	INLET ISOLATION VALVE, TOWER No. 3
3b	14	OUTLET ISOLATION VALVE, TOWER No. 3
4	14	CHILLER No. 3, TOWER No. 1 AND 3 OPERATION
5	14	CHILLER No. 3, TOWER No. 2 OPERATION
6	18	CHILLER No. 3, TOWER No. 2 AND 3 OPERATION
7	18	CHILLER No. 3, TOWER No. 1 AND 3 OPERATION
8	14	CHILLER No. 3, TOWER No. 1 AND 2 OPERATION
9	14	CHILLER No. 3, TOWER No. 1 AND 3 OPERATION
10	10	CHILLER No. 1 EVAPORATOR ISOLATION
11	14	CHILLER No. 2 EVAPORATOR ISOLATION
12	14	CHILLER No. 3 EVAPORATOR ISOLATION

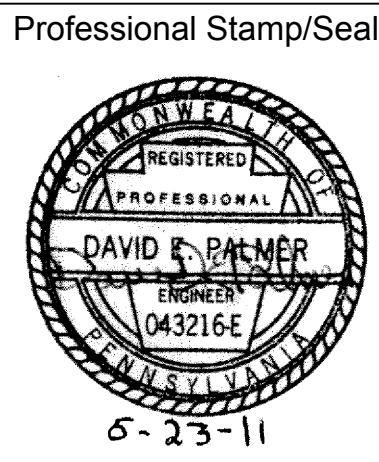


FLOW DIAGRAM - MECHANICAL - NEW WORK

SCALE: NOT TO SCALE

AMENDMENT No. 5
Revisions

SHEET REISSUED
Date



H.F. LENZ COMPANY
Engineers
Planners
Surveyors
Energy Consultants
1407 Scalp Avenue Johnstown, PA 15904
Phone: 814-269-9300 FAX: 814-269-9301
cadd@hflenz.com www.hflenz.com

**architecture
planning
interior design**
IKM Incorporated
One PPG Place Pittsburgh, PA 15222
412-281-1337 www.ikminc.com

Approved:

Approved: Director, VA Pittsburgh Healthcare System
Approved: Associate Director, VAPHCS
Approved: Vice President, Facilities Management
Approved: Manager, Projects Section

Drawing Title
**FLOW DIAGRAM
MECHANICAL - NEW WORK**
Approved: Site Manager
Approved: Project Manager

Project Title
**COOLING TOWER
REPLACEMENT**
Building No. 8
Scale NONE
Drawn/Checked JRO/DEP
Location VA PITTSBURGH HEALTHCARE SYSTEM
UNIVERSITY DRIVE DIVISION
PITTSBURGH, PA 15240

Date 23 JUNE 2011
Project No. 646-09-126
DRAWING NO.
8M-7
Dwg. X of X

**Veterans
Affairs**