December 05, 2014 - 10:32:27 am
Drawing: N:\PROJECTS\2013\13-VA Fresno Chilled Water System\DRAWINGS\VA-FLS\VA-FLS Chiller Plant Upgrade\Phase A and C - 03\13-MH-102.DWG
NAME: MARTIN-PHILBRICK

TO TUNNEL LOOP

TO TRENCH

TO BLDG 31 (FUTURE)

NEW EQUIPMENT AND PIPING LOCATED IN THE CENTRAL PLANT BUILDING EXPANSION

PETE'S PLUG, TYP.

FC-2

FC-1

10"CHWS

10"CHWR

CIRCUIT SETTER TYP.

14" (DE-COUPLER)

FLOW METER, TYP.

TEMP. SENSOR, TYP.

3/4"

POT FEEDER

1 1/2" MAKE UP WATER

REDUCED PRESSURE BACKFLOW PREVENTOR

EXPANSION TANK

CHWP 1 VFD

CHWP 2 VFD

CHWP 3 VFD

14"CHWS

14" CHWS

14" CHWR

FROM ABOVE GROUND LOOP

AS 1

BALANCING VALVE SET FOR 1440 GPM

STRAINER, TYP.

CHP 1

CHP 2

CHP 3

CHP 4

INSTALL PIPING COMPLETE WHEN CHILLER IS PURCHASED, VA WILL MAKE FINAL CONNECTION

1" PRESSURE RELIEF, PIPE TO NEAREST FLOOR SINK, TYP.

CHILLER WCCH-1 (FUTURE)

600 TON EVAPORATOR

CONDENSER

SENSOR WELL (TYP.)

CHILLER WCCH-2 (FUTURE)

SEE DETAIL 8/22-MS-501, TYP.

CHILLER WCCH-3

(E) CHILLER WCCH-4

560 TON EVAPORATOR

F.C. (TYP.)

THERMOMETER (TYP.)

PRESSURE GAUGE (TYP.)

CONNECTIONS FOR FUTURE CHILLER

PIPE CAP, TYP.

SOLIDS SEPARATOR

SSR 1

SSR 2

CWP 1

CWP 2

CWP 3

CWP 4

16"CWS

MAKE-UP WATER

WIRE TO BMS FOR MONITORING

14" HEADER

600 TON COOLING TOWER

CT 1A

CT 1B

CT 2A

CT 2B

MANUAL ISOLATION VALVE

8" EQUALIZING PIPE BETWEEN TOWERS

16"CWR

FROM WATER TREATMENT BLOW DOWN CONTROL, SEE 22A-MS-102 FOR NEW LOCATION OF (E) COOLING TOWER CHEMICAL TREATMENT SYSTEM. LOCATE SAMPLING LINES AND CHEMICAL FEED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS

100% CONSTRUCTION DOCUMENT SUBMITTAL

Revisions	Date

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Drawing Title	PRIMARY CHILLED WATER SYSTEM PIPING SCHEMATIC - NEW
Approved: Project Director	
Project Title	VA CENTRAL CALIFORNIA HEALTH CARE SYSTEM NEW BUILDING 22A + CHILLER INFRASTRUCTURE
Location	FRESNO, CA.
Date	5/08/2015
Checked	WME
Drawn	CADD
Project Number	570-13-300
Building Number	22A
Drawing Number	22A-MS-603
Dwg. 64 of 86	

Office of Construction and Facilities Management

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