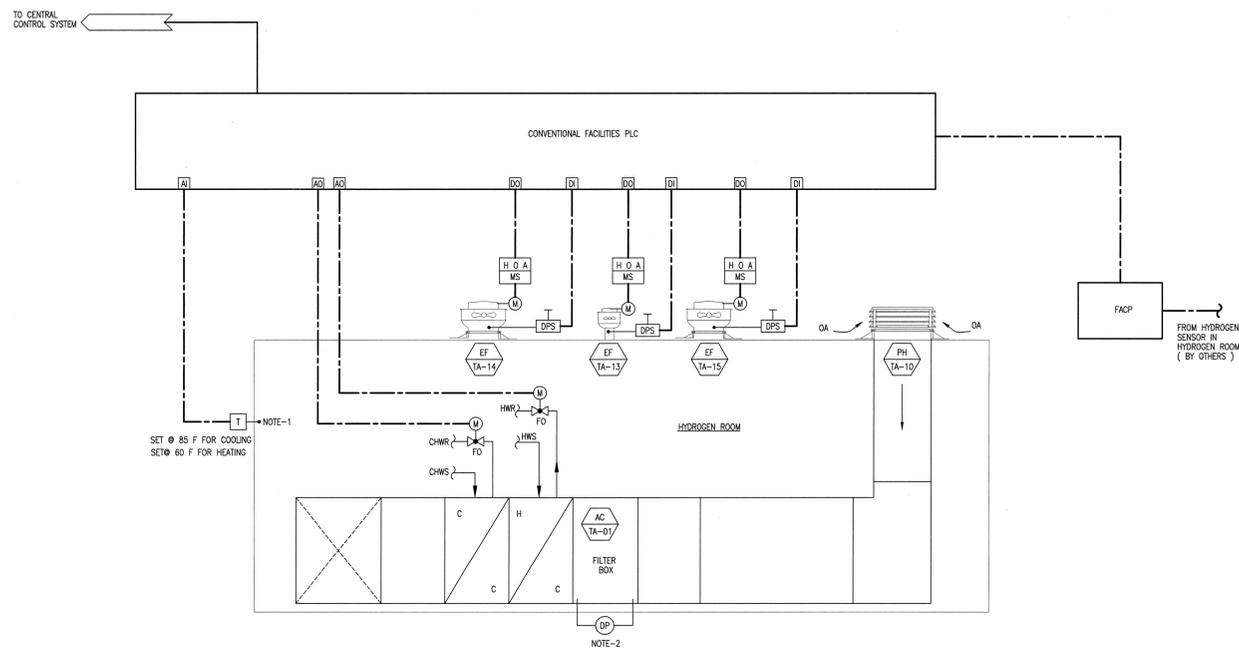


SEQUENCE OF OPERATION

NORMAL OPERATING MODE FOR HEATING AND COOLING
UNDER NORMAL MODE OF OPERATION, THE CONTROL SYSTEM SHALL COMMAND EF-1A-13 TO START AND RUN CONTINUOUSLY. THE 2-8000 CFM EXHAUST FANS (EF-1A-14& EF-1A-15) SHALL REMAIN DEENERGIZED.

HYDROGEN EXHAUST MODE
HYDROGEN LEAK DETECTORS IN THE INERT BLANKET PRESSURE MONITORING SYSTEM SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL WHEN THE CONTROL SYSTEM RECEIVES A SIGNAL FROM THE FIRE ALARM CONTROL PANEL, IT SHOULD INITIATE THE HYDROGEN EXHAUST MODE AS FOLLOWS.

CONTROL POINT LIST - HYDROGEN ROOM HVAC EQUIPMENT
BUILDING: TARGET / HYDROGEN ROOM COOLS AND ROOF FANS
POINT DESCRIPTION
TA-EF-13/14/15 AND AC-TA-01
COOLING COIL CONTROL VALVE
HEATING COIL CONTROL VALVE
EXHAUST FAN-13 START / STOP
EXHAUST FAN-14 START / STOP
EXHAUST FAN-15 START / STOP
EXHAUST FAN-13 STATUS
EXHAUST FAN-14 STATUS
EXHAUST FAN-15 STATUS
SPACE TEMPERATURE



- NOTE:
1. TEMPERATURE SENSOR WITH REMOTE PROBE. SEE FLOOR PLAN ON DWG. H2.04.43.
2. FURNISHED WITH FILTER BOX.

SECTION AND DETAIL KEY
THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM
ENGINEERING PROCEDURE SNS-ENG-0001

REVISIONS
REV 1 ISSUED FOR REFERENCE - 10/26/01
REV 2
REV 3
DESCRIPTION
REVISION OR ISSUE PURPOSE

FOR REFERENCE ONLY
RPE
DSN M KEHOE 10/26/01
DRW J STEIN 10/26/01
CHK B JOHNSON 10/26/01
DEPT
PE
PJ
REQ

108030700-H8E-8700-A116
Knight Jacobs
Knight Advanced Technology
Oak Ridge National Laboratory
PROJECT NAME: SPALLATION NEUTRON SOURCE
TARGET BUILDING HYDROGEN ROOM CONTROLS
1 48 49 50 PLANT BLDG FL SH. OF TYPE CLASS
3 H X X 8 8700 1 1 D U
51 52 53 WBS 1.8.3.7 H8.40.09 A

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