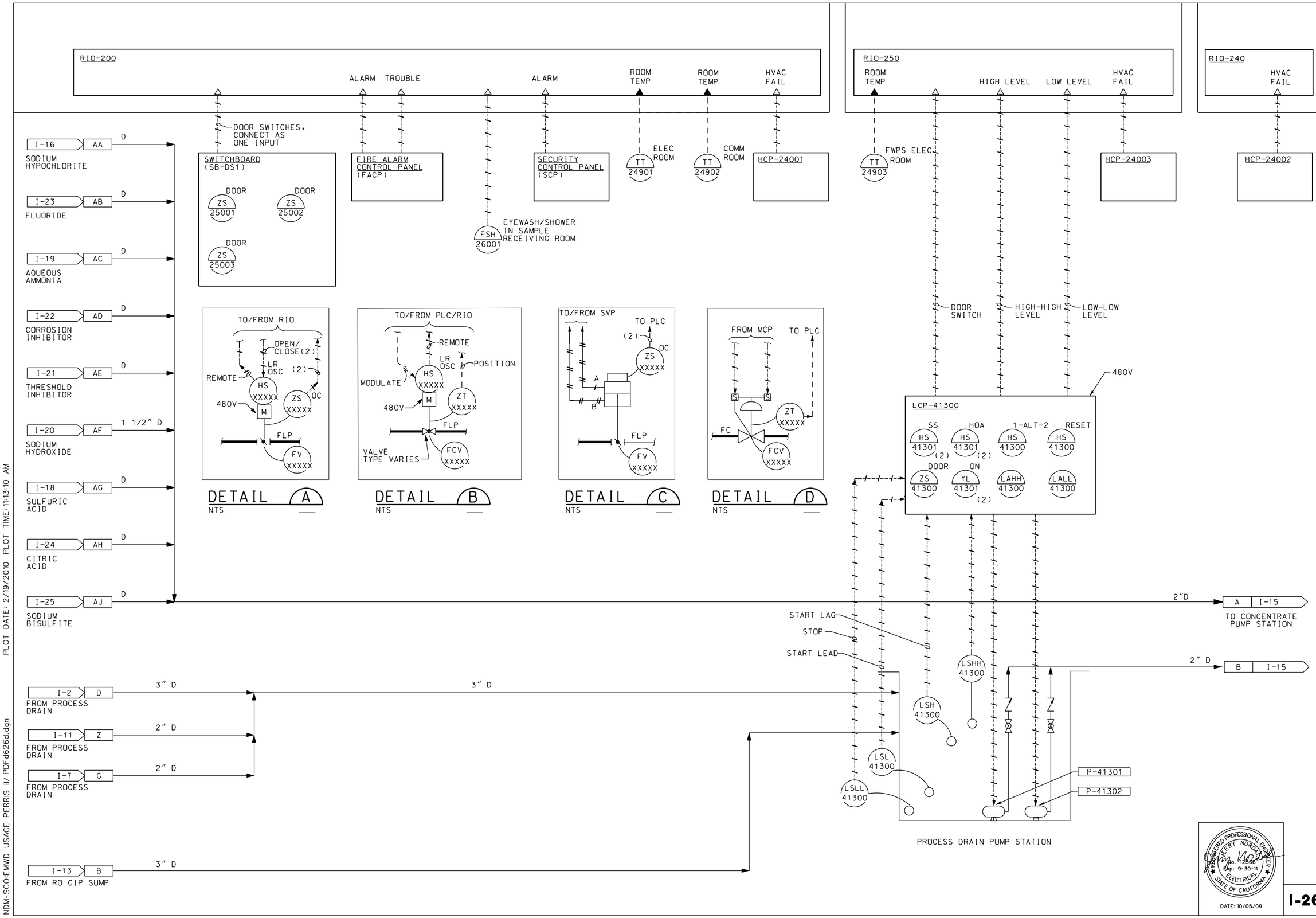
RIO-200
ALARM
TROUBLE
ALARM
ROOM TEMP
ROOM TEMP
HVAC FAIL
RIO-250
ROOM TEMP
HIGH LEVEL
LOW LEVEL
HVAC FAIL
RIO-240
HVAC FAIL
DOOR SWITCHES, CONNECT AS ONE INPUT
SWITCHBOARD (SB-DS1)
DOOR ZS 25001
DOOR ZS 25002
DOOR ZS 25003
FIRE ALARM CONTROL PANEL (FACP)
SECURITY CONTROL PANEL (SCP)
TT 24901 ELEC ROOM
TT 24902 COMM ROOM
HCP-24001
TT 24903 FWPS ELEC ROOM
HCP-24003
HCP-24002
FSH 26001 EYEWASH/SHOWER IN SAMPLE RECEIVING ROOM
I-16 AA D SODIUM HYPOCHLORITE
I-23 AB D FLUORIDE
I-19 AC D AQUEOUS AMMONIA
I-22 AD D CORROSION INHIBITOR
I-21 AE D THRESHOLD INHIBITOR
I-20 AF 1 1/2" D SODIUM HYDROXIDE
I-18 AG D SULFURIC ACID
I-24 AH D CITRIC ACID
I-25 AJ D SODIUM BISULFITE
TO/FROM RIO
OPEN/ CLOSE(2)
LR OSC (2)
REMOTE
HS XXXXX
ZS XXXXX
OC
480V
M
FLP
FV XXXXX
DETAIL A
NTS
TO/FROM PLC/RIO
REMOTE
LR OSC
POSITION
MODULATE
HS XXXXX
ZT XXXXX
480V
M
FLP
VALVE TYPE VARIES
FCV XXXXX
DETAIL B
NTS
TO/FROM SVP
TO PLC
(2)
OC
ZS XXXXX
A
B
FLP
FV XXXXX
DETAIL C
NTS
FROM MCP
TO PLC
ZT XXXXX
FC
FCV XXXXX
DETAIL D
NTS
DOOR SWITCH
HIGH-HIGH LEVEL
LOW-LOW LEVEL
480V
LCP-41300
SS HS 41301 (2)
HOA HS 41301 (2)
1-ALT-2 HS 41300
RESET HS 41300
DOOR ZS 41300
ON YL 41301 (2)
LAHH 41300
LALL 41300
2"D
A I-15
TO CONCENTRATE PUMP STATION
START LAG
STOP
START LEAD
LSHH 41300
2" D
B I-15
LSH 41300
LSL 41300
LSLL 41300
P-41301
P-41302
PROCESS DRAIN PUMP STATION
I-2 D 3" D FROM PROCESS DRAIN
3" D
I-11 Z 2" D FROM PROCESS DRAIN
I-7 G 2" D FROM PROCESS DRAIN
I-13 B 3" D FROM RO CIP SUMP
REGISTERED PROFESSIONAL ENGINEER
JERRY NORDAL
No. 12566
Exp: 9-30-11
ELECTRICAL
STATE OF CALIFORNIA
DATE: 10/05/09
SYMBOL
DESCRIPTIONS
DATE
APPROVAL
REVISIONS
EASTERN MUNICIPAL WATER DISTRICT
PERRIS II DESALINATION FACILITY
PERRIS, CALIFORNIA
CHEMICAL AREA DRAIN SUMP
SYSTEM AND CONTROL VALVE DETAILS
DESIGNED BY: J NORDAL
DRAWN BY: J LORING
CHECKED BY: W PEARSON
U.S. ARMY ENGINEER DISTRICT
LOS ANGELES
CORPS OF ENGINEERS
CH2MHILL
SUBMITTED BY:
ART JUNG, P.E.
CHIEF, DESIGN BRANCH
CADD FILE NAME: PDF-d626d.dgn
SPEC. NO.: NOT APPLICABLE
L.A. DISTRICT FILE NO. XXX-XXXX
I-26
SHEET 215 OF 226 SHEETS
PLOT DATE: 2/19/2010 PLOT TIME: 11:13:10 AM
NDM-SCO:EMWD USACE PERRIS II/ PDF d626d.dgn