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SCHEMATIC DEPICTS VARIABLE SPEED FAN CONTROL. FOR OTHER INSTRUMENTATION. SEE TYPICAL FAN CONTROL DIAGRAM.

PLC FAN PLC · SIC SPEED · ST · SIC VFD · INLET BELL AND SCREEN · M

DEVELOPMENT INTAKE FAN (NOT IN SERVICE)

TOP OF SHAFT MONITORING

PLC INTAKE FAN PLC · AIT AE NON-RADIOACTIVE PARTICULATE · AIT AE HUMIDITY · TIT TE

NON-RADIOACTIVE PARTICULATE · HUMIDITY · AAH · AR AR TR · AI AI TI

INTAKE

DEVELOPMENT INTAKE SHAFT

SCHEMATIC DEPICTS VARIABLE SPEED FAN CONTROL. FOR OTHER INSTRUMENTATION. SEE TYPICAL FAN CONTROL DIAGRAM.

PLC FAN PLC · SIC SPEED · ST · SIC VFD · M

DEVELOPMENT INTAKE FAN (NOT IN SERVICE)

INLET BELL AND SCREEN

NON-RADIOACTIVE PARTICULATE · HUMIDITY · AAH · AR AR TR · AI AI TI · PLC CONSTRUCTION FAN PLC · AIT AE NON-RADIOACTIVE PARTICULATE · AIT AE HUMIDITY · TIT TE

SOUTH PORTAL AREA MONITORING

NON-RADIOACTIVE PARTICULATE · HUMIDITY · CO · FAL AAH AAH · FR AR AR AAH TR · FI AI AI AI TI

BOTTOM OF SHAFT

PLC NEAREST EXHAUST BOOSTER FAN PLC · FIT FE · AIT AE NON-RADIOACTIVE PARTICULATE · AIT AE HUMIDITY · AIT AE CO · TIT TE

FLOW

NEAREST EXHAUST BOOSTER FAN PLC · AIT AE NON-RADIOACTIVE PARTICULATE · AIT AE HUMIDITY · TIT TE

NORTH PORTAL AREA MONITORING

TYPICAL: EAST MAIN (NORTH SIDE) · NORTH MAIN · WEST MAIN (NORTH SIDE) · CROSS DRIFTS

NON-RADIOACTIVE PARTICULATE · HUMIDITY · CO · FAL AAH AAH · FR AR AR AAH TR · FI AI AI AI TI · FAL · FR TR · FI TI

NORTH RAMP MONITORING

BULKHEAD FOR FAN CONTROL SEE TYPICAL DIAGRAM

TYPICAL: EAST MAIN (SOUTH SIDE) · SOUTH RAMP EXTENSION · WEST MAIN (SOUTH SIDE) · CROSS DRIFTS

SOUTH RAMP MONITORING

NON-RADIOACTIVE PARTICULATE · HUMIDITY · CO · FAL AAH AAH · FR AR AR AAH TR · FI AI AI AI TI

TYPICAL FAN CONTROLS

DUCT · TI · PDAL PDAH PDI · IAH II · VAH VI VAL · JI · TAH TI · MOTOR

XA COMMON · HS FORWARD/REVERSE · YL HS START · YL HS STOP · HS LOCAL/REMOTE · ZI LOCAL/REMOTE · ZI FORWARD/REVERSE · HS FORWARD/REVERSE · HS START · HS STOP · PLC FAN PLC · VT TE IT · TIT TE · PDE · PDIT

72-INCH DUCT · INLET BELL AND DUCT · M · 72-INCH DUCT

CONSTRUCTION VENTILATION FAN

NORTH PORTAL · INTAKE

NEAREST EXHAUST BOOSTER FAN PLC · FIT FE · AIT AE NON-RADIOACTIVE PARTICULATE · AIT AE HUMIDITY · AIT AE CO · TIT TE

FLOW

REPOSITORY MAINS AND DRIFTS

FLOW

NEAREST EXHAUST BOOSTER FAN PLC · FIT FE · TIT TE · FIT FE · AIT AE NON-RADIOACTIVE PARTICULATE · AIT AE HUMIDITY · AIT AE CO · TIT TE

SOUTH PORTAL

EXHAUST ATM

NOTES:

1. CONSTRUCTION FANS FOR EMPLACEMENT SIDE VENTILATION SHAFT SINKING ARE CONTROLLED LOCALLY AND ARE NOT SHOWN ON THIS SCHEMATIC.
2. BOOSTER FAN NUMBERS VARY WITH LOCATION OF THE WORK.
3. BOOSTER FAN SEQUENTIAL STARTING INTERLOCKS NOT SHOWN.
4. FOR GENERAL ARRANGEMENT OF VENTILATION PLAN SEE DRAWING 86031.
5. FOR SYMBOL DESCRIPTIONS AND INSTRUMENT IDENTIFICATION SEE DRAWING 86035.

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APERTURE CARD

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SEE DRAWING INPUTS LIST

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Yucca Mountain Site Characterization Project
M&O Civilian Radioactive Waste Management System MANAGEMENT & OPERATING CONTRACTOR

REPOSITORY DESIGN
SS VENT – DUCTED EXHAUST MONITORING, P&ID CONDITION 3, SHEET 1 OF 2

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