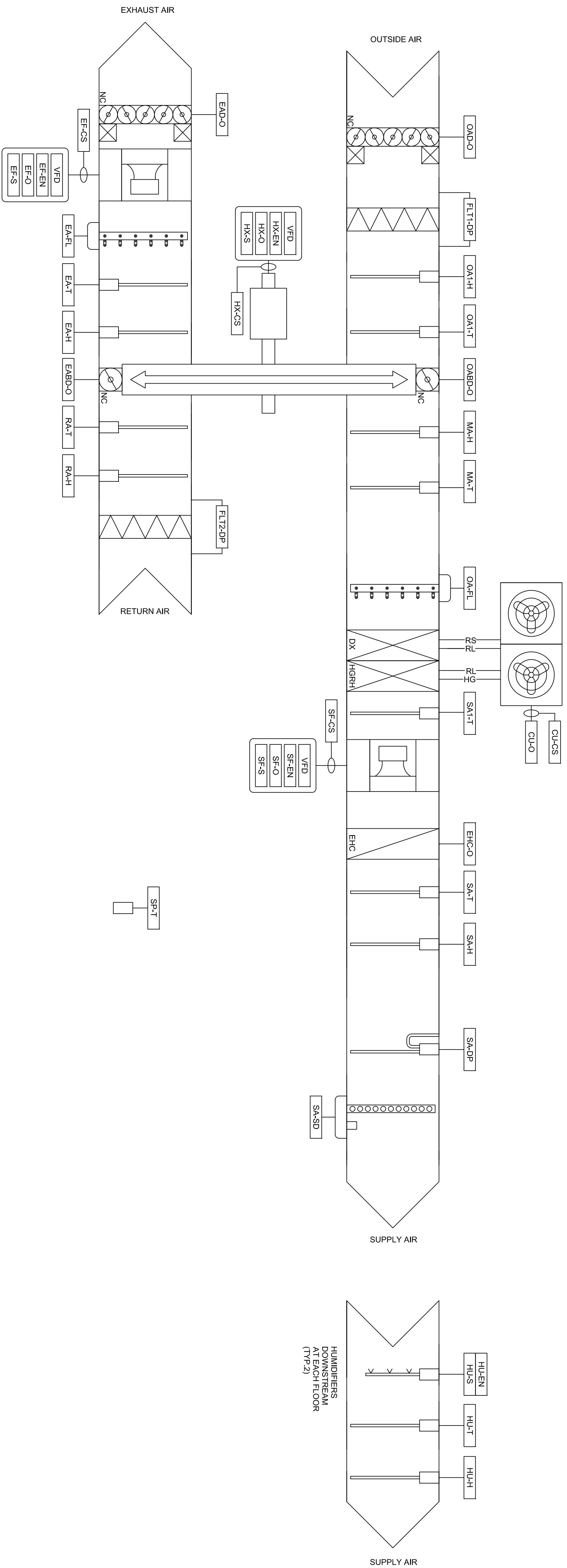


AIR HANDLING UNIT 513-DOAS CONTROL DIAGRAM



2

GENERAL

- [illegible]

ENERGY MONITORING

1. THE BCS SHALL CALCULATE ENERGY CONSUMPTION BASED ON AMP DRAW FROM FANS AS WELL AS CONDENSING UNIT.

KITCHEN HOOD INTERLOCK

1. WHEN ONE OR BOTH KITCHEN EXHAUST HOODS ARE OPERATING, MODULATE SUPPLY AND EXHAUST FAN SPEEDS TO MAINTAIN THE FOLLOWING FLOWS:

1. THE BCS SHALL CALCULATE ENERGY CONSUMPTION BASED ON AMP DRAW FROM FANS AS WELL AS CONDENSING UNIT.

513-100S POINT SCHEDULE		
POINT	DESCRIPTION	TYPE
513-01	OUTSIDE AIR FILTER DIFF. PRESSURE	ANALOG INPUT
513-02	OUTSIDE AIR TEMPERATURE	ANALOG INPUT
513-03	OUTSIDE AIR HUMIDITY	ANALOG INPUT
513-04	OUTSIDE AIR BYPASS DAMPER	DIGITAL OUTPUT
513-05	OUTSIDE AIR FLOWMETER	ANALOG INPUT
513-06	RETURN AIR FLOWMETER	ANALOG INPUT
513-07	EXHAUST AIR BYPASS DAMPER	DIGITAL OUTPUT
513-08	EXHAUST FAN ENABLE	DIGITAL OUTPUT
513-09	EXHAUST FAN SPEED FEEDBACK	ANALOG INPUT
513-10	EXHAUST FAN CURRENT SWITCH	DIGITAL INPUT
513-11	EXHAUST FAN CURRENT SWITCH	DIGITAL INPUT
513-12	RETURN AIR HUMIDITY	ANALOG INPUT
513-13	RETURN AIR TEMPERATURE	ANALOG INPUT
513-14	RETURN AIR FLOWMETER	DIGITAL OUTPUT
513-15	EXHAUST WHEEL SPEED FEEDBACK	ANALOG INPUT
513-16	EXHAUST WHEEL CURRENT SWITCH	DIGITAL INPUT
513-17	EXHAUST WHEEL SPEED	ANALOG OUTPUT
513-18	SUPPLY FAN ENABLE	DIGITAL OUTPUT
513-19	SUPPLY FAN SPEED FEEDBACK	ANALOG INPUT
513-20	SUPPLY FAN CURRENT TRANSDUCER	ANALOG INPUT
513-21	OUTER DIFFERENTIAL PRESSURE	ANALOG INPUT
513-22	CONDENSING UNIT CONTROL	BY INTERNAL UNIT CONTROLS
513-23	ELECTRIC REHEAT/COOLING COIL	ANALOG OUTPUT
513-24	SUPPLY AIR TEMPERATURE	ANALOG INPUT
513-25	SUPPLY AIR HUMIDITY	ANALOG INPUT
513-26	EXHAUST AIR TEMPERATURE	ANALOG INPUT
513-27	EXHAUST AIR HUMIDITY	ANALOG INPUT
513-28	MIXED AIR TEMPERATURE	ANALOG INPUT
513-29	MIXED AIR HUMIDITY	ANALOG INPUT
513-30	SUPPLY AIR STATIC PRESSURE	DIGITAL INPUT
513-31	HUMIDIFIER ENABLE	DIGITAL OUTPUT
513-32	HUMIDIFIER STATUS	DIGITAL INPUT
513-33	HUMIDIFIER DISCHARGE TEMPERATURE	ANALOG INPUT
513-34	HUMIDIFIER DISCHARGE HUMIDITY	ANALOG INPUT
513-35	OUTSIDE AIR DAMPER POSITION	DIGITAL OUTPUT
513-36	EXHAUST AIR DAMPER POSITION	DIGITAL OUTPUT
513-37	UNIT FAULT	BY BACNET INTERFACE

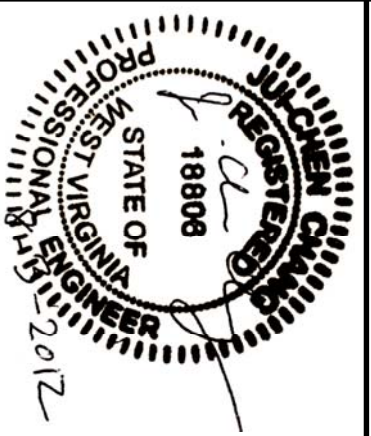
BID DOCUMENTS

FULLY SPRINKLERED

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Construction
and Facilities
Management

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MECHANICAL CONTROLS DIAGRAMS

Project Title
RELOCATE DEMENTIA UNIT

Location

VANU MAN INBUNG		
Date	Checked	Drawn

M-603