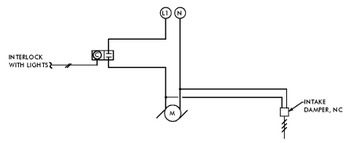
CONTROL LEGEND

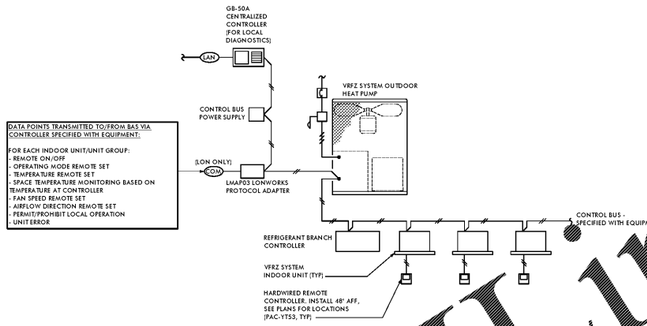
SYMBOL	DESCRIPTION
H-O-A	MAGNETIC STARTER WITH HAND - OFF - AUTO SWITCH
	DISCONNECT SWITCH
T	ROOM TEMPERATURE SENSOR WITH SETPOINT ADJUSTMENT AND ANALOG OUTPUT SIGNAL
T	ROOM THERMOSTAT ELECTRONIC OR ELECTRIC
FS	FLOW SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	MANUAL DAMPER
	MOTORIZED DAMPER WITH PARALLEL BLADES
	MOTORIZED DAMPER WITH OPPOSED BLADES
	ADJUSTABLE CURRENT SENSOR

CONTROL SPECIFICATION NOTES:

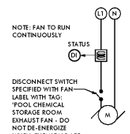
1. SUBMIT COMPLETE CONTROL AND POWER WIRING DIAGRAMS FOR APPROVAL BEFORE INSTALLING CONTROLS. CONTROL DIAGRAMS ON DRAWINGS ARE INTENDED TO INDICATE, IN GENERAL, CONTROL ARRANGEMENTS. PROVIDE ALL INSTRUMENTS, RELAYS, ACTUATORS, SWITCHES, ETC. REQUIRED TO ACCOMPLISH CONTROL SEQUENCES WHETHER OR NOT SUCH DEVICES ARE ACTUALLY SHOWN ON CONTROL DIAGRAMS.
2. INCLUDE ALL CONTROL AND INTERLOCK WIRING AND POWER WIRING FOR CONTROL PANELS AND CONTROL DEVICES UNLESS OTHERWISE SHOWN ON THE ELECTRICAL DRAWINGS. INSTALL WIRING IN CONDUIT IN ACCORDANCE WITH PROVISIONS OF ELECTRICAL WORK. LOW-VOLTAGE WIRING MAY BE RUN IN PLENUM-RATED CABLE ABOVE LIFT OUT CEILINGS ONLY. CABLE SHALL BE RUN IN PROFESSIONAL MANNER, TIED OFF TO STRUCTURE AND RUN ALONG AXIS OF BUILDING.
3. DAMPERS AND ACTUATORS: ACTUATORS SHALL BE DIRECT-COUPLED, SPRING-RETURN AS MANUFACTURED BY BELIMO. ROUND DAMPERS SHALL BE RUSKIN CDR525 WITH BLADE EDGE SEAL AND MAXIMUM LEAKAGE OF 5.15 CFM PER INCH BLADE CIRCUMFERENCE AT 4-INCHES W.C. PRESSURE DIFFERENTIAL. RECTANGULAR DAMPERS SHALL BE RUSKIN RCD45 WITH BLADE EDGE SEALS AND MAXIMUM LEAKAGE OF 10 CFM PER SQ. FT. AT 4-INCHES W.C. PRESSURE DIFFERENTIAL.
4. FLOAT SWITCHES IN AUXILIARY DRAIN PANS TO BE AQUAGUARD AG-1200 BY RECTORSEAL.
5. COORDINATE FINAL TEMPERATURE SENSOR LOCATIONS WITH INSTALLED LOCATION OF SUPPLY AIR GRILLES. **DO NOT** LOCATE SENSORS IN DIRECT THROW PATH OF SUPPLY AIR LEAVING GRILLE.
6. OBTAIN BUILDING OPERATING SCHEDULE FROM OWNER IN WRITING AND SET EQUIPMENT OPERATION SCHEDULES ACCORDINGLY.



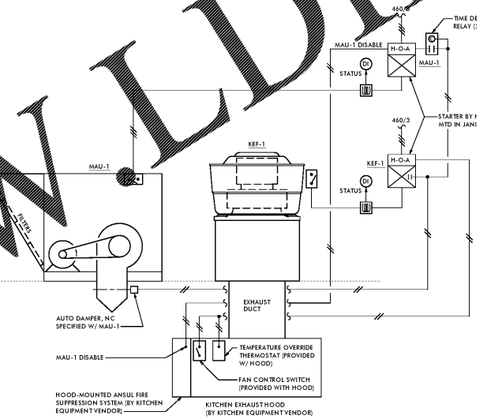
EF-1 FAN CONTROLS
SCALE: NONE (EF-2 SIMILAR)



VARIABLE REFRIGERANT FLOW ZONING (VRFZ) SYSTEM CONTROLS
SCALE: NONE

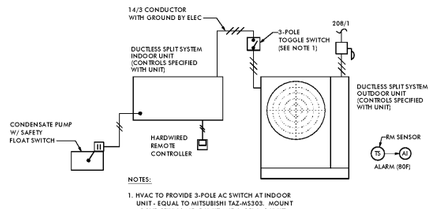


EF-3 FAN CONTROLS
SCALE: NONE



KEF-1 & MUA-1 CONTROLS
SCALE: NONE

ELECTRIC HEATER CONTROLS
SCALE: NONE



NOTES:
1. HVAC TO PROVIDE 3-POLE AC SWITCH AT INDOOR UNIT - EQUAL TO MITSUBISHI TAZ-MS303. MOUNT ABOVE CEILING NEAR UNIT AND LABEL 'AC UNIT'.

CONTROL DIAGRAM - DUCTLESS SPLIT SYSTEM
SCALE: NONE

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AL ALABAMA LICENSED PROFESSIONAL ENGINEER No. 19368 DOUGLAS E. DAVIS 16-OCT-2017 17066

HOMEWOOD PATRIOT PARK POOL

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BIRMINGHAM, AL 35233
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ATTN: JIM HARTSELL

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ATTN: TOMMY HOLCOMBE / ED NORTON

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ATTN: JOHN HANSON

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205-833-7033
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ATTN: ERIK HARTWIG

POOL CONSULTANT
COUNSILMAN HUNSAKE
10733 SUNSET OFFICE DRIVE
SUITE 400
ST. LOUIS, MO 63127
314-894-1245
ATTN: JEFF NODORFT

REV	DATE	DESCRIPTION

DATE: OCTOBER 6, 2017
PHASE: 100% CONSTRUCTION DOCUMENTS
ISSUED FOR:
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO: 3822

SHEET TITLE: HVAC CONTROLS

DRAWING NO: M5.00