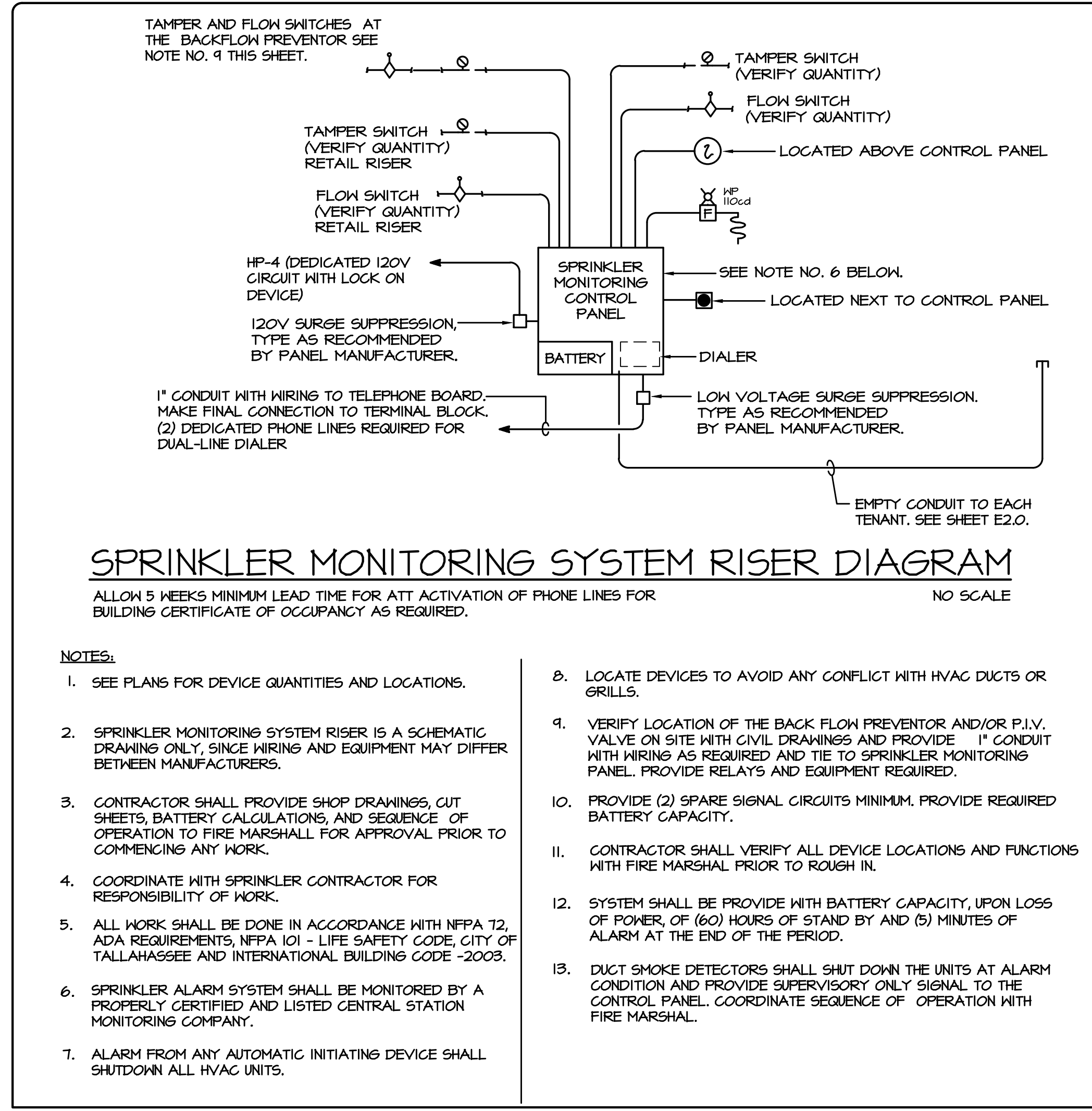


- ### SYSTEM REQUIREMENTS
1. FULLY ADDRESSABLE ALARM SYSTEM TO BE PROVIDED AND INSTALLED BY A CERTIFIED SYSTEM INSTALLER, APPROVED BY THE EQUIPMENT MANUFACTURER.
  2. VERIFY LOCATION OF ALL DEVICES AND EQUIPMENT WITH FIRE MARSHAL'S OFFICE AND OWNER'S PROJECT REPRESENTATIVE PRIOR TO ROUGH-IN.
  3. PROVIDE AND INSTALL ALL FIRE MARSHAL APPROVED SIGNAL TRANSMISSION EQUIPMENT FOR MUNICIPAL TIE-IN. COORDINATE WITH FIRE MARSHAL'S OFFICE.
  4. TROUBLE AND ALARM INITIATIONS TO TRANSMIT SEPARATE AND DISTINCT SIGNALS TO MONITORING STATION.
  5. INCOMING FIRE ALARM INITIATIONS SHALL OVERRIDE 'TROUBLE' INITIATIONS.
  6. SEPARATE 'TROUBLE' AND 'ALARM' SIGNALS SHALL BE ANNUNCIATED AT CONTROL PANEL.
  7. SUBMIT SHOP DRAWINGS TO FIRE MARSHAL FOR APPROVAL PRIOR TO ROUGH-IN.
  8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NFPA 72, ADA REQUIREMENTS, AND ALL LOCAL CODES AND ORDINANCES.
  9. COORDINATE WITH SYSTEM VENDOR FOR ADDITIONAL REQUIREMENTS AND PROVIDE ALL LINE VOLTAGE NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
  10. INSTALLATION OF DUCT SMOKE DETECTORS TO BE COORDINATED WITH MECHANICAL CONTRACTOR.
  11. ELECTRICAL CONTRACTOR SHALL PROVIDE JUNCTION BOXES, CONDUITS, WIRING DEVICES, AND ETC., AS REQUIRED FOR COMPLETE AND OPERATIONAL ALARM SYSTEM.
  12. ALARM FROM ANY AUTOMATIC INITIATING DEVICE SHALL SHUTDOWN ALL HVAC UNITS.
  13. ALL CABLING SHALL BE RUN IN MINIMUM 3/4" METAL CONDUIT UP TO 7'-0" IN EXPOSED AREAS. PROVIDE 3/4" STUB UPS IN FINISHED AREAS TO ABOVE ACCESSIBLE CEILING SPACE. FREE CABLE THAT ARE U.L. LISTED FOR THE APPLICATION AND PLENUM RATED, MAY BE USED AFTER THAT. HOWEVER, FREE CABLE CAN ONLY BE USED WHERE APPROVED BY FIRE MARSHAL, AND OWNER.
  15. PROVIDE SEPARATE V.O. CONTROL CIRCUITS FOR GAS SENSOR (IF APPLICABLE) AND HVAC SHUT-DOWN ALARM SYSTEM SHALL HAVE TEST OVERRIDE CAPABILITIES FOR THESE CIRCUITS.
  16. RELAYS FOR SECURITY DOOR LOCKS SHALL BE CONFIGURED SO THAT LOCKS WILL DE-ENERGIZE UPON ACTIVATION OF THE ALARM SYSTEM OR UPON LOSS OF NORMAL UTILITY POWER.



- ### SPRINKLER ALARM SYSTEM NOTES:
1. SPRINKLER ALARM SYSTEM SHALL BE INSTALLED BY LICENSED FIRE ALARM CONTRACTOR IN STRICT ACCORDANCE WITH NFPA-72 AS A MINIMUM.
  2. ANY DRAWINGS RESUBMITTED SHALL CLEARLY INDICATE REVISIONS BY CLOUDING AND DATING THE CHANGED AREA.
  3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH THE FOLLOWING INFORMATION AS A MINIMUM:
    - A. PROVIDE SEQUENCE OF OPERATION (A WRITTEN DESCRIPTION OR MATRIX CHART) TO DEFINE THE EVENTS THAT OCCUR WHEN VARIOUS INITIATING DEVICES ARE ACTIVATED.
    - B. DUCT MOUNTED SMOKE DETECTORS, WHERE APPLICABLE, SHALL, UPON SENSING SMOKE SHUT DOWN THE ENTIRE HVAC EQUIPMENT VIA RELAYS SHOWN.
    - C. PROVIDE SPRINKLER ALARM RISER SIMILAR TO THE ONE SHOWN ON THE CONSTRUCTION DOCUMENT.
    - D. ALL SUBMITTALS SHALL INDICATE COMPLIANCE WITH:
      - NFPA - 72 2019 EDITION
      - NFPA - 101 2010 EDITION
      - NFPA - 101 2010 EDITION
      - NFPA - 70 (NATIONAL ELECTRIC CODE) 2011 EDITION.
    - E. SUBMITTED DRAWINGS SHALL IDENTIFY CANDELA ON STROBE LIGHTS ON THE DRAWINGS.
    - F. SHOW ALARM CONNECTION TO THE SPRINKLER SYSTEM DEVICES.
    - G. PROVIDE SIGNED AND DATED CONTRACT FOR TEST AND INSPECTION IN ACCORDANCE WITH NFPA STANDARDS ALONG WITH THE RECORD OF COMPLETION AS PER NFPA 72 1-6.2.1 AT THE TIME OF SYSTEM ACCEPTANCE
    - H. PROVIDE DETAILS ON THE DRAWINGS SHOWING THE WIRING TYPE BASED ON NFPA TO ARTICLE 760 AND CUT SHEET OF THE WIRING PROPOSED.
    - J. SHOW LOCATION OF ALL POWER EXPANDER PANELS AND SHOW SMOKE DETECTOR ABOVE EACH PANEL.
    - K. PROVIDE A CUT SHEET OF ALL LOW VOLTAGE SURGE SUPPRESSION PROPOSED FOR WIRING SHOWN.
    - L. PROVIDE BATTERY CALCULATION SUPPORTING COMPLIANCE WITH MINIMUM CODE OR AS REQUIRED BY THESE DOCUMENTS, WHICHEVER IS MORE STRINGENT.
    - M. PROVIDE VOLTAGE DROP CALCULATION FOR THE PROPOSED WIRE SIZING, TYPE AND ROUTING.
    - N. PROVIDE RECORD DRAWINGS SHOWING ACTUAL CONDUIT AND WIRING INSTALLATION AND ANY DEVIATION FROM THE PROPOSED ONE.
    - O. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER WITH AN ACTIVE STATE LICENSE.

### DEVICE LEGEND

	SPRINKLER ALARM CONTROL PANEL, SILENT KNIGHT INTELLIKNIGHT 5A0B SINGLE LOOP ADDRESSABLE FIRE ALARM CONTROL PANEL WITH UP TO 127 ADDRESSABLE POINTS OR EQUAL.
	SPRINKLER ALARM REMOTE ANNUNCIATOR PANEL, SILENT KNIGHT 5860, 80 CHARACTER BACK LIT LCD OR EQUAL.
	DISTRIBUTION POWER MODULE, SILENT KNIGHT 5440, 6.0 AMPS OF POWER WITH (4) CLASS B NOTIFICATION CIRCUITS OR EQUAL.
	MANUAL ALARM PULL STATION (48" A.F.F. U.O.N.) ADDRESSABLE DUAL ACTION PULL STATION, SILENT KNIGHT 5D505-PSDA, OR EQUAL.
	PHOTOELECTRIC SMOKE DETECTOR, SILENT KNIGHT 5D505-APS OR EQUAL.
	ADDRESSABLE HEAT DETECTOR, SILENT KNIGHT 5D505-AHS, OR EQUAL.
	120 VOLT, DUCT MOUNTED PHOTOELECTRIC SMOKE DETECTOR, SEE DETAIL ON SHEET E3.2.
	REMOTE TEST/INDICATOR STATION, MOUNT AT 48" A.F.F., ACCESSIBLE TO FIRE INSPECTORS AND ADJACENT TO UNIT THERMOSTAT. SILENT KNIGHT 5D505-DTS.
	FAN SHUTDOWN RELAY
	ALARM SYSTEM HORN/STROBE (ADA) MOUNTED AT 80" A.F.F. TO BOTTOM. WHEELLOCK NS SERIES INCLUDING SELECTABLE CONTINUOUS TONE OR TEMPORAL PATTERN. THEY SHALL BE PROVIDED WITH SYNC MODULES AS REQUIRED. WHEELLOCK NS-24MCH-FH-DSM (MULTI CANDELA WITH WHITE DEVICES, AND COVERS) OR EQUAL.
	ALARM SYSTEM STROBE (ADA) MOUNTED AT 80" A.F.F. TO BOTTOM. WHEELLOCK NS SERIES. THEY SHALL BE PROVIDED WITH SYNC MODULES AS REQUIRED. WHEELLOCK NS-24MCH-FH-DSM (MULTI CANDELA WITH WHITE DEVICES, AND COVERS) OR EQUAL.
	SPRINKLER WATER FLOW SWITCH.
	SPRINKLER VALVE TAMPER SWITCH.

NOT ALL DEVICES SHOWN IN LEGEND MAY BE REQUIRED FOR THIS PROJECT. REVIEW FIRE ALARM PLANS AND DETAILS FOR ITEMS WHICH APPLY.

**NOTE:**  
THE MONITORING SYSTEM DESIGN IS CONSIDERED PRELIMINARY AND IS INTENDED TO PROVIDE GENERAL LAYOUT AND CRITERIA INFORMATION FOR BIDDING PURPOSES ONLY. THE SUCCESSFUL BIDDER (SYSTEM INSTALLER) SHALL BE RESPONSIBLE FOR PREPARING FOR AND OBTAINING THE NECESSARY PERMIT.

**NOTE:**  
SPRINKLER MONITORING SYSTEM RISER DIAGRAM DOES NOT REPRESENT ACTUAL DEVICE QUANTITIES. REFER TO SYSTEM DRAWINGS FOR DEVICE LOCATIONS AND QUANTITIES.

BULLETIN LOG

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**WESTLAKE AUXILIARY SALES CENTER**  
CITY OF WESTLAKE  
PALM BEACH COUNTY, FLORIDA

**ISSUE DATE: - 09-30-16**  
**ISSUED FOR:**  
**PERMIT - BUILDING SHELL ONLY**  
©AS DATED ARCHITECTURE PLUS INTERNATIONAL, INC.

REVISION LOG

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STATE REGISTRATIONS

FL	#A/C001935	NC	#8581
SC	#6109	GA	#10079
TN	#00102675		

Juan F. Romero, AIA, License No. AR0007793.  
TO THE BEST OF THE KNOWLEDGE OF THE ARCHITECTS AND ENGINEERS, SAID PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE MINIMUM FIRE SAFETY STANDARDS.

**WESTLAKE AUXILIARY SALES CENTER**  
PROJECT NAME

**SPRINKLER MONITORING SYSTEM & DETAILS**  
SHEET NAME

PROJECT NUMBER: **2016.082**

DRAWN BY: **R.L.** CHECKED BY: **S.C.**

SCALE: **AS NOTED**

**E3.0**  
SHEET NUMBER