

ORANGE COUNTY, FLORIDA

ORANGE COUNTY MAYOR
TERESA JACOBS



DISTRICT 3 COMMISSIONER
PETE CLARKE

DISTRICT 4 COMMISSIONER
JENNIFER THOMPSON

DISTRICT 5 COMMISSIONER
TED B. EDWARDS

DISTRICT 1 COMMISSIONER
S. SCOTT BOYD

DISTRICT 2 COMMISSIONER
FREDERICK C. BRUMMER

DISTRICT 6 COMMISSIONER
TIFFANY MOORE RUSSELL

SHERIFF FLEET BUILDING FIRE ALARM REPLACEMENT

06/17/14
BID DOCUMENTS

2500 WEST COLONIAL DR.
ORLANDO, FLORIDA 32804

mp MATERN PROFESSIONAL ENGINEERING, INC.
ENG. BUS. No. EB-0005096
CERT. OF AUTH. No. 5096
130 Candace Drive
Maitland, FL 32751-3331
PHONE (407) 740-5020
FAX (407) 740-0365

PRIME CONSULTANT
MATERN PROFESSIONAL ENGINEERING, INC.

SHEET NO.	ELECTRICAL SHEET INDEX	SCALE
E-0-A	SCOPE OF WORK, LEGEND, GENERAL NOTES AND RISER DIAGRAM	NONE
E-1-A	1ST FLOOR PLAN - FIRE ALARM	3/32"=1'0"



SITE LOCATION



PARCEL ID: 28-22-29-8438-00-010
MODEL CODE: 04 - Commercial
TYPE CODE: 1800 - Multi Story Office

MATERN PROFESSIONAL ENGINEERING
 PLOT DATE: 6/12/2014 2:52:42 PM
 FILENAME: Y:\AutoCAD Files\Architect\Matern\OC Fire Alarm System Replacement Projects\OC Sheriff Fleet Maintenance Facility Fire Alarm-E-0.A.dwg
 CREATE DATE: 2/7/2013 2:49:48 PM
 LAST SAVED: 1/14/2014 4:25:13 PM
 JUST SAVED BY: MBOUWER

FIRE ALARM SYSTEM SYMBOL LEGEND			
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	MOUNTING
[M]	MANUAL PULL STATION WITH KEY RESET AND DUAL ACTION OPERATION	48" A.F.F. TO CENTER	WALL
[H]	FIRE ALARM HORN AND STROBE	MINIMUM 80" A.F.F. TO BOTTOM AND MAXIMUM 96" A.F.F. TO TOP OF ENTIRE LENS	WALL
[L]	STROBE LIGHT	MINIMUM 80" A.F.F. TO BOTTOM AND MAXIMUM 96" A.F.F. TO TOP OF ENTIRE LENS	WALL
[S]	CEILING MOUNTED SMOKE DETECTOR, PHOTOELECTRIC TYPE	AT CEILING MINIMUM 3" FROM DIFFUSER	CEILING
[SD]	DUCT SMOKE DETECTOR, PHOTOELECTRIC TYPE, WITH TUBES SIZED AS REQUIRED FOR DUCT	AT CEILING	HVAC DUCT
[H]	CEILING MOUNTED HEAT DETECTOR, FIXED TEMPERATURE 135 DEG. F WITH (2) FORM "A" CONTACTS	AT CEILING MINIMUM 3" FROM DIFFUSER	CEILING
[R]	AHU/EXHAUST FAN SHUT-DOWN RELAY, 24VDC	WITHIN 3 FEET OF STARTER	SURFACE
[KB]	KNOX LOCK BOX WITH UL LISTED TAMPER SWITCHES	----	SURFACE
[T]	DUCT SMOKE DETECTOR REMOTE TEST SWITCH AND INDICATING LIGHT	60" A.F.F. TO CENTER OR MOUNT ON HOUSING IF VISIBLE	WALL
[FACP]	FIRE ALARM CONTROL PANEL WITH SMOKE DETECTOR MOUNTED ABOVE PANEL PER NFPA	6'-0" A.F.F. TO TOP	WALL
[FAAP]	FIRE ALARM ANNUNCIATOR PANEL	6'-0" A.F.F. TO TOP	WALL
[TS]	SPRINKLER WATER TAMPER SUPERVISORY SWITCH	----	----
[FS]	SPRINKLER WATER FLOW SUPERVISORY SWITCH	----	----
[B]	SPRINKLER WATER FLOW ALARM BELL	----	----

GENERAL NOTES

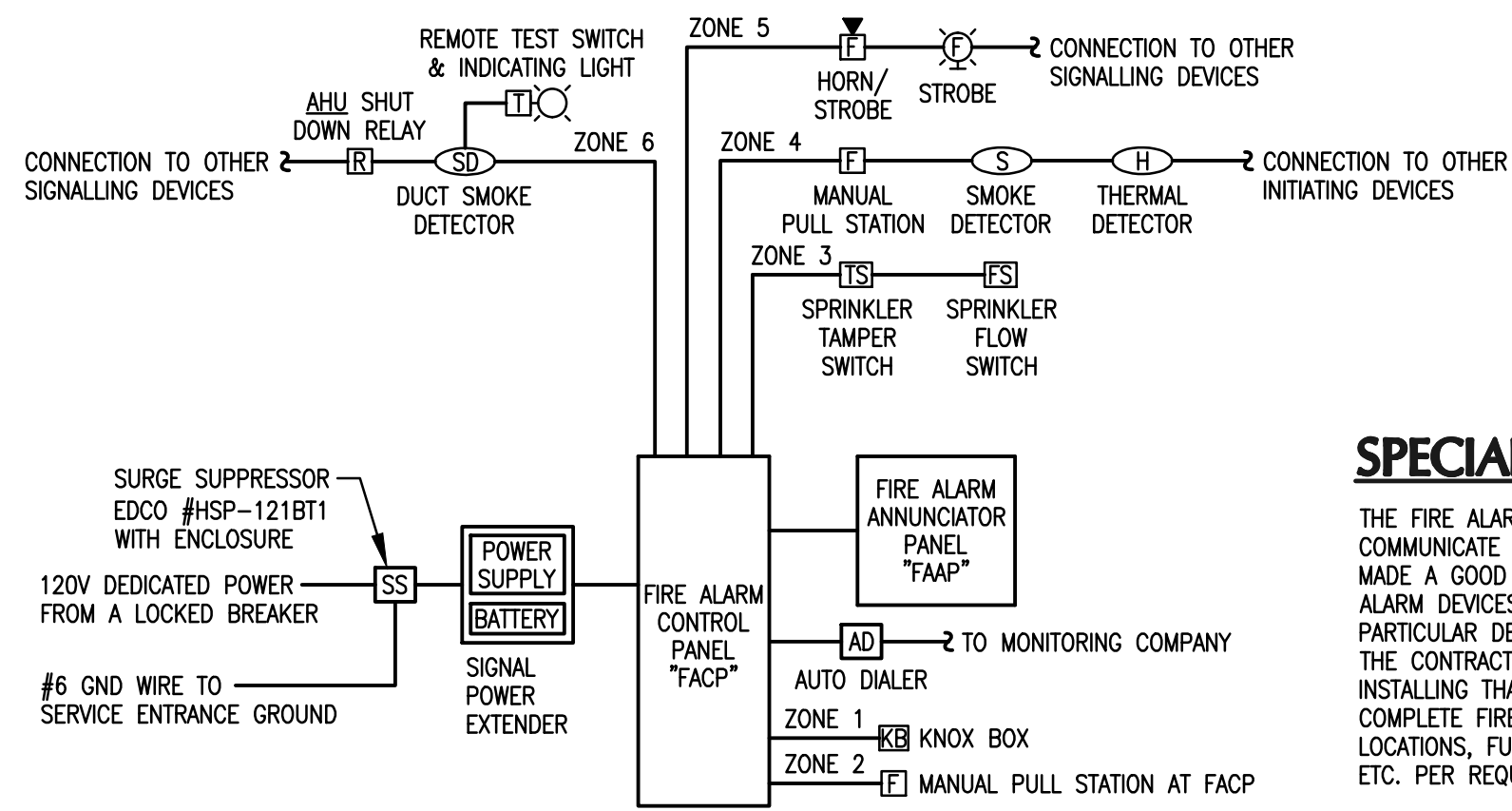
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND 2008 NATIONAL ELECTRICAL CODE (NEC).
2. REFER TO SPECIFICATIONS FOR BASIS OF DESIGN.
3. LOCATIONS OF ALL DEVICES ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATIONS, HEIGHTS, ETC. WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE UL LISTED FIRE STOPPING ON ALL CONDUITS PENETRATING A RATED WALL OR FLOOR.
5. ALL RACEWAYS TO BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE OR APPROVED BY OWNER. SEE SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL CLARIFICATIONS.
6. ELECTRICAL CONTRACTOR SHALL INSTALL PULL STRINGS IN ALL EMPTY CONDUITS.
7. ALL RACEWAY TERMINATIONS SHALL HAVE BUSHINGS AND BE GROUNDED WHERE RACEWAY IS METAL.
8. PROVIDE SYSTEM COMPLETE WITH ALL DEVICES, CABLES, RACEWAYS, CONDUITS, ETC.
9. ALL WIRE/CABLE SHALL BE IN A RACEWAY/CONDUIT SYSTEM. INSTALL/SIZE RACEWAY SYSTEM AS REQUIRED TO COMPLY WITH SPECIFICATIONS, THE N.E.C. AND AS RECOMMENDED BY MANUFACTURER.
10. MINIMUM RACEWAY/CONDUIT SIZE TO BE 3/4".
11. ALL BOXES, PLASTER RINGS, EXTENSION RINGS AND BOX COVERS SHALL BE METAL.
12. ALL CONDUITS SHALL BE PARALLEL AND PERPENDICULAR TO STRUCTURAL MEMBERS.
13. ALL BENDS SHALL BE MADE IN CONDUIT USING PROPER EQUIPMENT AND MEET NATIONAL ELECTRICAL CODE (NEC) REQUIREMENTS.
14. ALL DEVICES SHALL BE COMMERCIAL OR SPECIFICATION GRADE.
15. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
16. GROUNDING SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250 AND APPLICABLE REQUIREMENTS OF IEEE STANDARDS 142 AND 241.
17. COORDINATE WITH AUTHORITY HAVING JURISDICTION PRIOR TO BID.
18. ALL EQUIPMENT/DEVICES TO BE ADDRESSABLE TYPE.
19. ALL STROBES TO BE MINIMUM OF 75 CANDELA UNLESS OTHERWISE NOTED.
20. VERIFY LOCATIONS OF DUCT SMOKE DETECTORS WITH MECHANICAL. EACH DETECTOR SHALL BE PROVIDED WITH A REMOTE TEST SWITCH/INDICATOR LIGHT WALL MOUNTED TO BE ACCESSIBLE IN A LOCATION ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH NFPA 72.
21. MECHANICAL AIR SYSTEM SHUT-DOWN :
 - A. COORDINATE SHUT-DOWN OF ALL MECHANICAL AIR SYSTEMS WITH DIVISION 15. ALL MECHANICAL AIR SHUT-DOWNS SHALL BE COORDINATED WITH THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER IN BRINGING THE MECHANICAL SYSTEM BACK ON LINE AND IN CORRECT OPERATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR SHUTTING DOWN THE MECHANICAL AIR SYSTEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR BRINGING THE MECHANICAL AIR SYSTEM BACK ON LINE AND OPERATING CORRECTLY.
 - B. PROVIDE ALL WORK AND EQUIPMENT TO SHUT DOWN ALL AIR MOVING EQUIPMENT AS REQUIRED BY APPLICABLE CODES.
 - C. VERIFY WITH DIVISION 15 CONTRACTOR LOCATION AND REQUIREMENTS FOR THE INTERFACE TO SHUT DOWN EQUIPMENT UPON FIRE ALARM SIGNAL.
 - D. UNITS REQUIRED TO BE SHUT DOWN BY THE STANDARD MECHANICAL CODE AND NOT REQUIRED TO BE SHUT DOWN BY THE FIRE ALARM SYSTEM ARE TO HAVE ALL WORK AND EQUIPMENT PROVIDED AND INSTALLED BY DIVISION 15 CONTRACTOR.
 - E. WHERE REQUIRED, INSTALLER SHALL PROVIDE AND INSTALL AN INDIVIDUAL ADDRESSABLE RELAY OR MODULE AT EACH PIECE OF HVAC EQUIPMENT FOR SHUT-DOWN. DAISY-CHAINING MULTIPLE PIECES OF EQUIPMENT TO A COMMON RELAY OR MODULE SHALL NOT BE ACCEPTABLE.
22. COORDINATE WITH OWNER ON REQUIREMENTS FOR MONITORING THE FIRE ALARM SYSTEM AND PROVIDE ALL ELECTRICAL.
23. CONTRACTOR SHALL PROVIDE, INSTALL AND TERMINATE ALL ELECTRICAL AND FIRE ALARM SYSTEM EQUIPMENT; INCLUDING BUT NOT LIMITED TO, RACEWAYS, WIRE/CABLE, CIRCUIT BREAKERS, MODULES, RELAYS (UL LISTED FOR USE WITH FIRE ALARM SYSTEMS), ETC. NECESSARY TO SHUT DOWN OR CONTROL ANY AIR HANDLING UNIT, SUPPLY FAN, SMOKE OR FIRE DAMPER, ETC. REQUIRED TO BE SHUT DOWN OR CONTROLLED BY FIRE ALARM SYSTEM. THIS REQUIREMENT FOR CONNECTION OF THE FIRE ALARM SYSTEM SHALL BE EXTENDED TO INCLUDE ANY APPLICABLE CODE OR STANDARD DIRECTLY OR INDIRECTLY REFERENCED BY THE SPECIFICATIONS THAT REQUIRES INTERFACE WITH THE FIRE ALARM SYSTEM FOR CONTROLS OR MONITORING OF A DEVICE IN ORDER TO PROVIDE A COMPLETE CODE COMPLIANT FIRE ALARM SYSTEM. COORDINATE ALL WORK WITH DIVISION 15 (AND/OR ANY OTHER APPLICABLE DIVISION) PRIOR TO ROUGH-IN.
24. DO NOT MOUNT SMOKE AND/OR HEAT DETECTORS CLOSER THAN 3 FEET TO ANY SUPPLY REGISTER OF THE HVAC SYSTEM.
25. WHEN CEILING MOUNTED, SMOKE AND/OR HEAT DETECTORS SHALL BE MOUNTED NO CLOSER THAN 4 INCHES TO A SIDE WALL; OR WHEN WALL MOUNTED, NO HIGHER THAN 4 INCHES OR LOWER THAN 12 INCHES FROM THE TOP OF THE DETECTOR TO THE CEILING.
26. UNDERGROUND/OVERHEAD WIRING ENTERING OR LEAVING A BUILDING SHALL BE INSTALLED AND PROTECTED IN ACCORDANCE WITH NFPA72-4.4.4.3./4.4.4.4. AND NFPA70-ARTICLE 280. WHEN REQUIRED, SURGE SUPPRESSORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA70-ARTICLE 285.

PROJECT SCOPE OF WORK

1. THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE 24 VDC, CLOSED CIRCUIT, FULLY ADDRESSABLE, ELECTRICALLY SUPERVISED, ZONE ANNUNCIATED (MINIMUM 25 ZONES) FIRE ALARM SYSTEM TO REPLACE AN EXISTING SYSTEM. THE NEW SYSTEM SHALL INCLUDE BUT NOT BE LIMITED TO ALL CONTROL PANELS, POWER SUPPLIES, SIGNAL INITIATING DEVICES, AUDIBLE AND VISUAL ALARM DEVICES, CONDUIT AND WIRING, AND ALL ACCESSORIES REQUIRED TO PROVIDE A COMPLETE OPERATING SYSTEM.
2. ALL DEVICES, APPLIANCES, PANELS, CONDUIT AND WIRING SHALL BE NEW.
3. ALL CONTROL/POWER EQUIPMENT SHALL HAVE SURGE PROTECTION INSTALLED PER NFPA-72 (LATEST EDITION) AND NEC ARTICLES 280 AND 800 (LATEST EDITION).
4. ALL WIRING ENTERING OR LEAVING A BUILDING SHALL HAVE SURGE PROTECTION INSTALLED PER NFPA-70 (LATEST EDITION).
5. THE EXISTING MAIN FIRE ALARM CONTROL PANEL IS LOCATED IN THE DISPATCHER AREA. THE CONTRACTOR SHALL BEGIN THE WORK IN THIS SECTION OF THE FACILITY.
6. IT IS THE DESIGN INTENT THAT THE NEW FIRE ALARM SYSTEM SHALL BE CONSTRUCTED WHILE THE EXISTING FIRE ALARM SYSTEM REMAINS FUNCTIONAL AND OPERATIONAL TO SERVE THE FACILITY.
7. THE CONTRACTOR SHALL REVIEW THE CONTRACT DRAWINGS AND SPECIFICATIONS AND VISIT THE JOB SITE TO ASCERTAIN ALL CONDITIONS INCLUDING CONDUIT RUNS, INTERFACING, INTERFERENCES, CONFLICTS, DISCREPANCIES, ETC. AND SHALL REPORT THE SAME TO THE ENGINEER FOR CLARIFICATION. FAILURE TO COMPLY WITH THIS CONDITION SHALL CONSTITUTE AN ACCEPTANCE OF THE CONDITIONS AND ANY NECESSARY CHANGES WILL BE AT THE CONTRACTOR'S EXPENSE. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW ALL EXISTING CONDITIONS AND/OR EVERY ACCESSORY TO BE REMOVED AND/OR REPLACED. DRAWINGS ARE NOT TO BE SCALED, AND SITE CONDITIONS SHALL GOVERN EXACT LOCATION OF ALL ELECTRICAL EQUIPMENT, DEVICES, WIRING, CONDUIT, ETC.
8. ALL EXISTING DUCT MOUNTED SMOKE DETECTORS AND RELAYS SHALL BE REPLACED AS PART OF THIS PROJECT. INSTALL NEW DEVICES AT NEW LOCATIONS WHERE SHOWN ON THE PLAN.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "FIRE WATCH" AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH "FIRE WATCH". THERE SHALL BE NO ADDITIONAL COST TO THE OWNER FOR "FIRE WATCH".

FIRE ALARM SYSTEM GENERAL NOTES

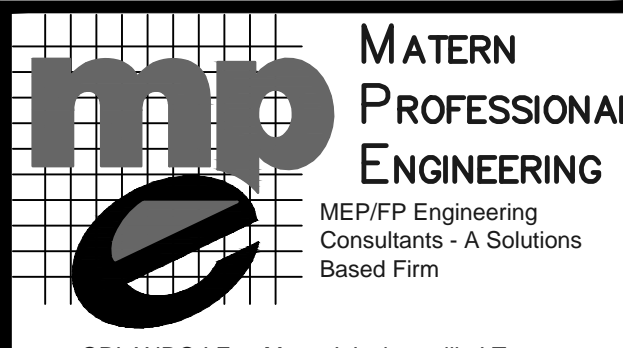
1. CONTRACTOR SHALL PROVIDE ALL ELECTRICAL AND FIRE ALARM EQUIPMENT INCLUDING CONDUIT, WIRE, RELAYS, ETC. FOR THE OPERATION/CONTROL OF ANY EXISTING SMOKE DAMPERS AND COMBINATION OF SMOKE/FIRE DAMPERS.
2. THE FIRE ALARM SYSTEM SHALL BE ACTIVATED BY THE FOLLOWING METHODS:
 - A. ACTIVATION OF ANY AUTOMATIC DEVICE.
 - B. ACTIVATION OF A PULL STATION.
3. MAINTAIN EXISTING FIRE ALARM SYSTEM OPERATIONAL. DISABLE EXISTING FIRE ALARM SYSTEM ONLY TO MAKE SWITCH OVERS AND CONNECTIONS. NOTIFY OWNER AND LOCAL FIRE SERVICE AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING THE FIRE ALARM SYSTEM. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREAS. MINIMIZE OUTAGE DURATION. BUILDING EGRESS SHALL NOT BE OBSTRUCTED DURING BUILDING OCCUPANCY.
4. WHERE CONDUIT PENETRATES A FIRE RATED WALL, FLOOR, ETC., FIRESTOPPING SHALL BE PROVIDED. MEET ALL REQUIREMENTS FOR UL ASSEMBLY INVOLVED. PROVIDE FIRESTOPPING UL LISTED FOR ASSEMBLY AND/OR CONDUIT INVOLVED.
5. ALL NEW INTERIOR CONDUITS SHALL BE INSTALLED CONCEALED ABOVE CEILINGS AND IN WALLS WHERE PRACTICAL. IF CONDUITS CANNOT BE INSTALLED IN WALLS, PROVIDE SURFACE METAL RACEWAY; WIREMOLD 500 OR 700, AS REQUIRED. NEW CONDUITS INSTALLED IN MECHANICAL ROOMS AND ELECTRICAL ROOMS MAY BE SURFACE MOUNTED.
6. PROVIDE NEW CONDUIT FOR THE ENTIRE FIRE ALARM SYSTEM WHERE REQUIRED.
7. MECHANICAL AIR SYSTEM SHUT-DOWN:
 - A. ALL MECHANICAL AIR SHUT-DOWNS SHALL BE COORDINATED WITH THE OWNER. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER IN BRINGING THE MECHANICAL SYSTEM BACK ON LINE AND IN CORRECT OPERATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR SHUTTING DOWN THE MECHANICAL AIR SYSTEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR BRINGING THE MECHANICAL AIR SYSTEM BACK ON LINE AND OPERATING CORRECTLY.
 - B. PROVIDE ALL ELECTRICAL AND FIRE ALARM EQUIPMENT REQUIRED TO SHUT-DOWN THE EXISTING AIR MOVING EQUIPMENT PER ALL APPLICABLE CODES.
8. THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION DURING CONSTRUCTION. PROVIDE ALL TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING SYSTEM CIRCUITS. THE CONTRACTOR SHALL VERIFY EXISTING SYSTEM IS WORKING PROPERLY PRIOR TO SUBMISSION OF BID. SUBMISSION OF A BID SHALL BE CONSTRUED AS EVIDENCE THAT SUCH VERIFICATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED FOR MAINTAINING A COMPLETE AND OPERATING FIRE ALARM SYSTEM DURING CONSTRUCTION SHALL NOT BE RECOGNIZED.
9. IDENTIFY POWER (FACE, FAPS, SMOKE DAMPER, ETC) AS PER NFPA 72 1-5.2.5.
10. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING SPARE DEVICES LISTED AS AN ALLOWANCE TO THE BID. THE DEVICES SHALL INCLUDE A MINIMUM OF 25 FEET OF CONDUIT, WIRE, CABLE AND ALL LABOR TO INSTALL AS MAY BE REQUIRED DURING CONSTRUCTION. ANY DEVICES NOT USED AS ADDITIONAL DEVICES INSTALLED SHALL BE SURRENDERED TO THE OWNER.
 - A. SYSTEM SMOKE DETECTORS QTY OF 2
 - B. SYSTEM DUCT DETECTORS QTY OF 1
 - C. MANUAL PULL STATIONS QTY OF 2
 - D. SPEAKER/STROBES QTY OF 2
 - E. STROBES QTY OF 2
 - F. MONITOR MODULES QTY OF 2
 - G. CONTROL/RELAY MODULES QTY OF 2



SPECIAL NOTE

THE FIRE ALARM RISER DIAGRAM IS PROVIDED IN ORDER TO COMMUNICATE THE OVERALL PROJECT SCOPE. THE ENGINEER HAS MADE A GOOD FAITH EFFORT TO IDENTIFY AND INCLUDE ALL FIRE ALARM DEVICES INTO THE RISER DIAGRAM. THE OMISSION OF A PARTICULAR DEVICE FROM THE RISER DIAGRAM DOES NOT ALLEViate THE CONTRACTOR FROM THE RESPONSIBILITY OF FURNISHING AND INSTALLING THAT DEVICE. THE CONTRACTOR SHALL PROVIDE A COMPLETE FIRE ALARM SYSTEM SUBMITTAL TO INCLUDE DEVICE LOCATIONS, FULL SYSTEM RISER DIAGRAM, BATTERY CALCULATIONS, ETC. PER REQUIREMENTS OF THE FIRE ALARM CODE.

FIRE ALARM SYSTEM RISER DIAGRAM
NO SCALE



ORLANDO | Fort Myers | Jacksonville | Tampa
 Matern Professional Engineering, Inc
 130 Candace Drive
 Maitland, FL 32751-3331
 PHONE (407) 740-0020 FAX (407) 740-0365
 THIS DRAWING IS THE PROPERTY OF MATERN PROFESSIONAL ENGINEERING, INC. UNLESS OTHERWISE PROVIDED BY THE CONTRACTOR, THE CONTENTS OF THIS DRAWING SHALL NOT BE TRANSMITTED TO ANY OTHER PARTY EXCEPT AS AGREED TO BY THE ENGINEER.
 ENG. BUS. No. EB-0005096 CERT. OF AUTH. No. 5096

ORANGE COUNTY SHERIFF FLEET BUILDING FIRE ALARM REPLACEMENT

AUGUSTO E. ROBES JR., P.E.
 FLORIDA P.E. # 39410
BOBES ASSOCIATES
 CONSULTING ENGINEERS
 150 CIRCLE DRIVE, MAITLAND, FL 32751
 TELEPHONE: 407.628.0882
 E-MAIL: INFO@BOBES.COM
 FLORIDA STATE P.E. NUMBER: 5131

Revisions

No.	Date	Description

Key Plan

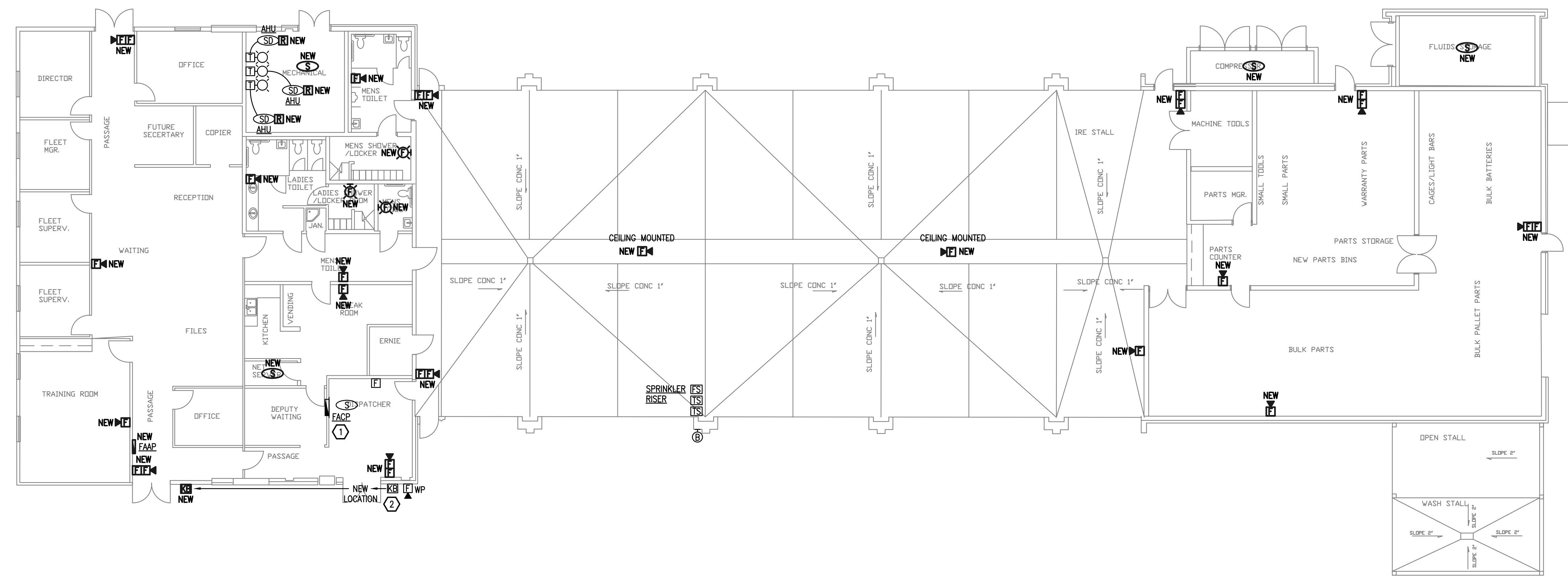
MPE PROJ#: 2013-011
 Designed By: WMC
 Drawn By: WMC
 Checked By: ABJR
 Issue Date: 06/17/14
 Drawing Scale: NO SCALE

SCOPE OF WORK, LEGEND, GENERAL NOTES AND RISER DIAGRAM

BID DOCUMENTS

Drawing No.
E-0.A

MATERN PROFESSIONAL ENGINEERING PLOT DATE: 6/12/2014 2:52:59 PM FILENAME: Y:\AutoCAD Files\A\itect\Matern\OC Fire Alarm System Replacement Projects\OC Sheriff Fleet Maintenance Facility Fire Alarm\E-1.dwg
 CREATE DATE: 2/7/2013 2:49:48 PM LAST SAVED: 1/14/2014 4:25:31 PM LAST SAVED BY: MBOUWER



FLOOR PLAN - FIRE ALARM
SCALE: 3/32" = 1'-0"

GENERAL NOTES

- REFER TO SHEET E-0.A FOR SCOPE OF WORK, SYMBOL LEGEND AND GENERAL NOTES.
- STROBE DEVICES SHALL BE SYNCHRONIZED IN AREAS WHERE MORE THAN ONE STROBE IS VISIBLE PER NFPA 72 - 7.5.4.3.2.

KEY NOTES

- EXISTING FIRE ALARM PANEL IS FOR MONITORING OF COMPLETE BUILDING SPRINKLER SYSTEM. PER ORANGE COUNTY REQUEST, INSTALL A NEW FIRE ALARM CONTROL PANEL AND ALL NEW INITIATION AND NOTIFICATION DEVICES FOR A COMPLETE FIRE ALARM SYSTEM AS SHOWN ON PLAN.
- EXISTING KNOX LOCK BOX IS TO BE REPLACED WITH A NEW LOCK BOX AT NEW LOCATION SHOWN ON PLAN. MOUNTING HEIGHT TO BE SAME AS EXISTING BOX.

CONSTRUCTION NOTE

1. ALL FIRE ALARM DEVICES SHOWN ON THIS PLAN ARE EXISTING TO BE REPLACED WITH NEW DEVICES UNLESS OTHERWISE INDICATED. ANY NEW DEVICES TO BE INSTALLED AT NEW LOCATIONS ARE MARKED AS "NEW".

MATERN PROFESSIONAL ENGINEERING
MEP/F/P Engineering Consultants - A Solutions Based Firm
ORLANDO | Fort Myers | Jacksonville | Tampa
Matern Professional Engineering, Inc
130 Candace Drive
Maitland, FL 32751-3331
PHONE (407) 740-0020 FAX (407) 740-0365
THIS DRAWING IS THE PROPERTY OF MATERN PROFESSIONAL ENGINEERING, INC. UNLESS OTHERWISE PROVIDED BY THE CONTRACT, THE CONTENTS OF THIS DRAWING SHALL NOT BE TRANSMITTED TO ANY OTHER PARTY EXCEPT AS AGREED TO BY THE ENGINEER.
ENG. BUS. No. E9-0005096 CERT. OF AUTH. No. 5096

ORANGE COUNTY SHERIFF FLEET BUILDING FIRE ALARM REPLACEMENT

AUGUSTO E. BOBES JR., P.E.
FLORIDA P.E. # 39410
BOBES ASSOCIATES
CONSULTING ENGINEERS
150 CIRCLE DRIVE, MAITLAND, FL 32751
TELEPHONE: 407.628.0882
E-MAIL: INFO@BOBES.COM
FLORIDA STATE P.E. NUMBER: 5131

Revisions

No.	Date	Description

Key Plan

MPE PROJ#: 2013-011
Designed By: WMC
Drawn By: WMC
Checked By: ABJr
Issue Date: 06/17/14
Drawing Scale: 3/32" = 1'-0"
Drawing Title:

FLOOR PLAN FIRE ALARM

BID DOCUMENTS

Drawing No.
E-1.A