

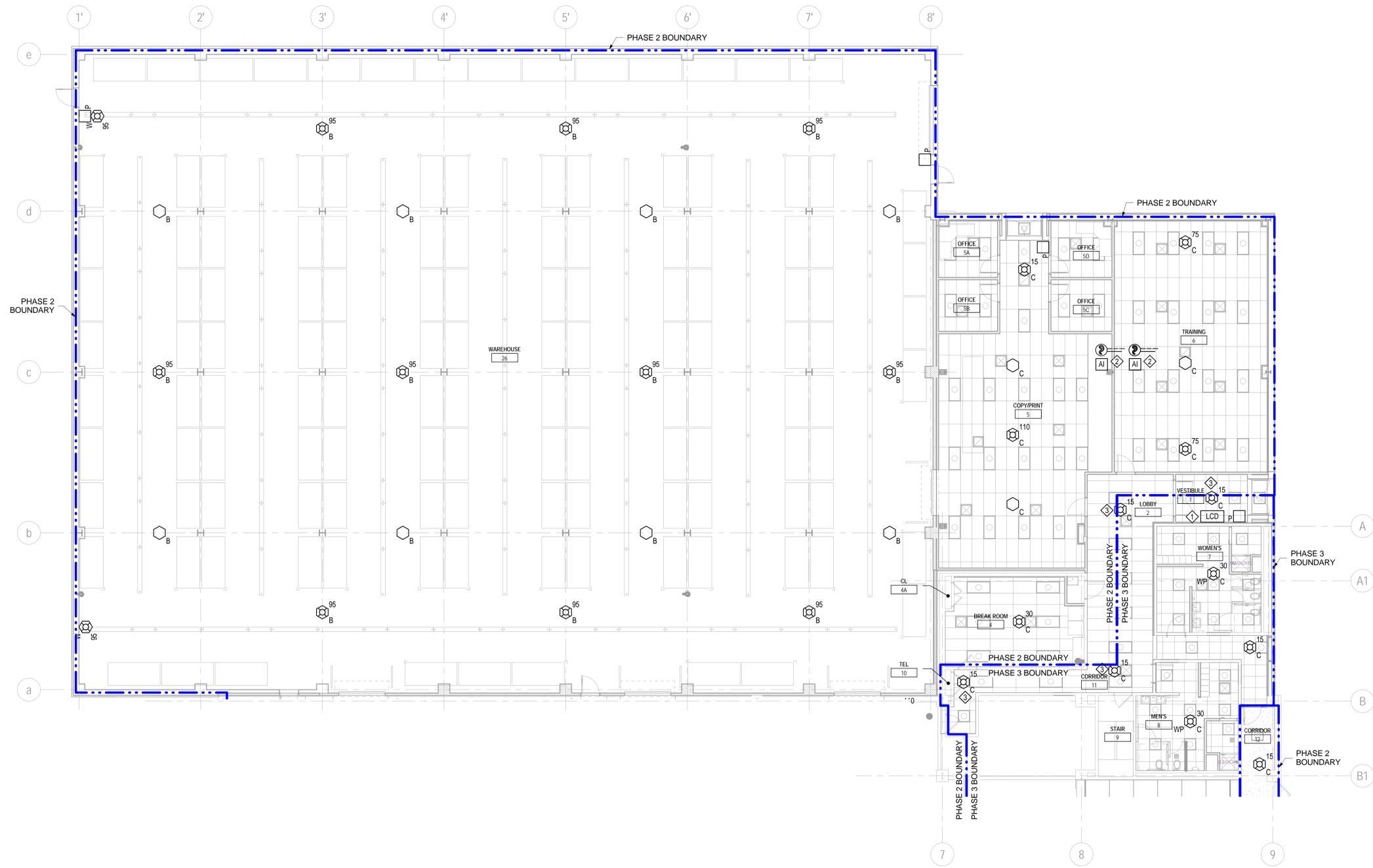


**SHEET NOTES**

- REFER TO SHEET FA001 FOR SYMBOLS AND ABBREVIATIONS.
- PROVIDE FIRE ALARM INITIATING DEVICES AND NOTIFICATION APPLIANCES THROUGHOUT BUILDING 360 IN ACCORDANCE WITH NFPA 72.
- COMPLY WITH CONSTRUCTION PHASING AND SEQUENCING NOTES ON SHEET G005.

**KEYNOTES**

- ◇ PROVIDE LCD FIRE ALARM ANNUCIATOR AT BUILDING ENTRANCE.
- ◇ DIVISION 28 31 11 CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTOR WITHIN 3 FEET OF FIRE/SMOKE DAMPER. PROVIDE ADDRESSABLE RELAY MODULE TO CLOSE DAMPER UPON DUCT SMOKE ACTUATION. PROVIDE TEST STATION-REMOTE LED MOUNTED IN PUBLIC VIEW. FIRE/SMOKE DAMPER POWER CONNECTION TO BE PROVIDED BY DIVISION 23 CONTRACTOR. REFER TO MECHANICAL PLANS FOR FIRE/SMOKE DAMPER LOCATIONS.
- ◇ PROVIDE DURING PHASE 3.



**1 FIRE ALARM BUILDING NORTH GROUND FLOOR NEW WORK PLAN**  
1/8" = 1'-0"

Additions:	Date
Revisions:	Date
SCHEMATIC DESIGN (30%) SUBMISSION	03/25/15
DESIGN DEVELOPMENT (60%) SUBMISSION	09/11/15
CONSTRUCTION DOCUMENTS (90% SUBMISSION)	11/23/15
BID DOCUMENTS SUBMISSION	03/17/16

**ARCHITECT / ENGINEERS / CONSULTANTS:**

**OKKS Studios, Inc.**  
2 Wisconsin Circle / Suite 820  
Chevy Chase, MD 20815-7003  
Tel: (301) 718-0080  
Fax: (301) 718-9520  
www.okksstudios.com

**Woods Peacock Engineering Consultants**  
5250 Cherokee Avenue, Suite 420  
Alexandria, VA 22312-2052  
Tel: (703) 658-4400  
Fax: (703) 658-4404

**Nobis Engineering, Inc.**  
20410 Century Boulevard, Suite 230  
Germantown, MD 20874  
Tel: (301) 528-2010

**Henry Adams Consulting Engineers, LLC**  
600 Baltimore Avenue, 4th Floor  
Baltimore, MD 21204  
Tel: (410) 296-6500  
Fax: (410) 296-6501

**The Protection Engineering Group**  
2809 Boston Street, Suite 7  
Baltimore, MD 21224 USA  
Tel: (443) 708-4096

Stamp/Seal

Professional Certification  
I certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 41369, expiration date 01/05/2018.

Approved:


Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And Operations, Perry Point

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Drawing Title

**FIRE ALARM BUILDING NORTH GROUND FLOOR NEW WORK PLAN**

Approved: Associate Director for Operations

Approved: Director, Medical Center

**FULLY SPRINKLERED**

Project Title  
**WAREHOUSE RENOVATION & EXPANSION**

Date  
03/17/16

VA Project Number  
512-530

Drawing Number  
**FA101**  
OF XX

Scale  
1/8" = 1'-0"

Building Number  
360

Checked  
CKC

Drawn  
ACJ

Location  
PERRY POINT, MD

CAUTION: IF THIS PLAN IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

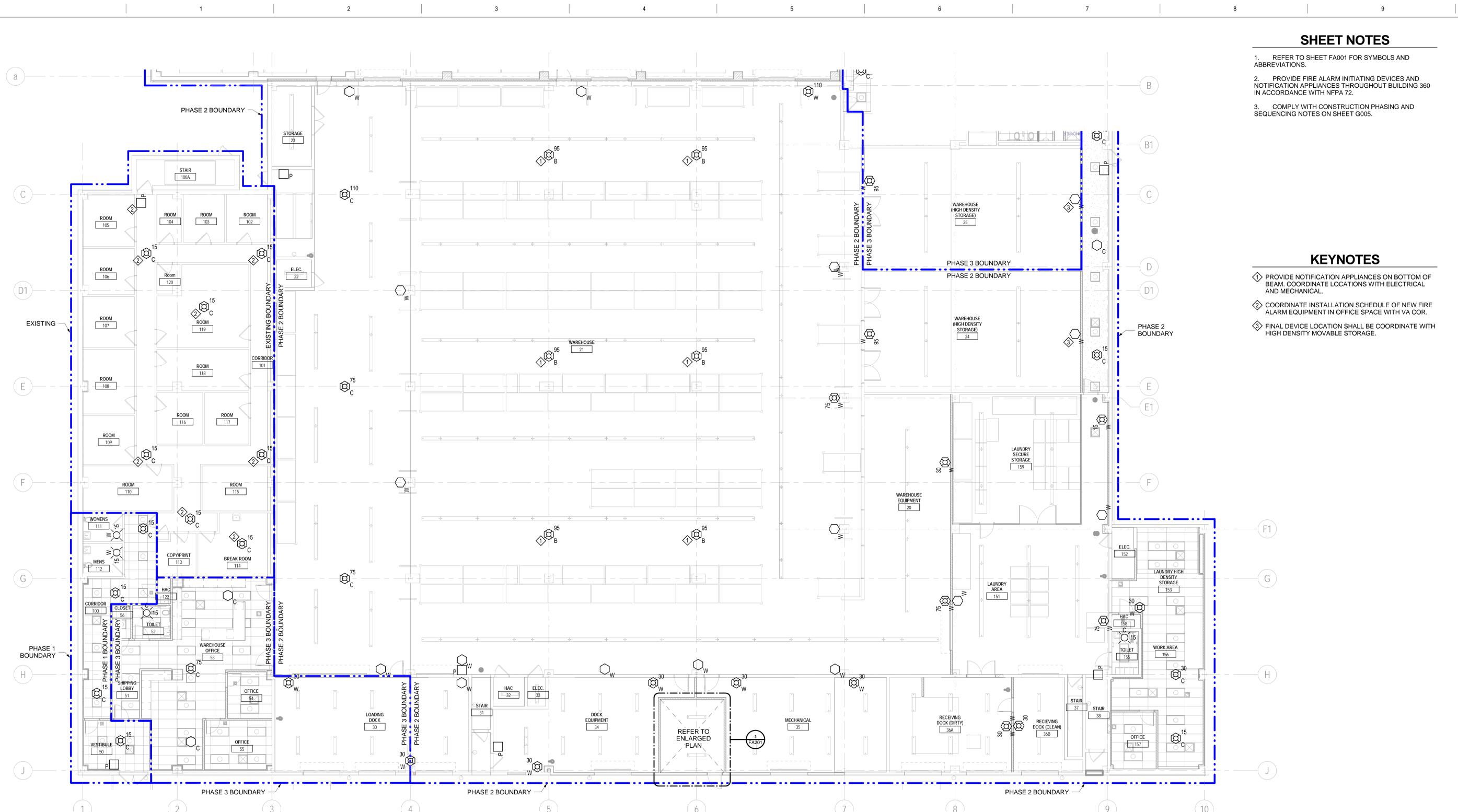
DEPARTMENT OF VETERANS AFFAIRS

**SHEET NOTES**

- REFER TO SHEET FA001 FOR SYMBOLS AND ABBREVIATIONS.
- PROVIDE FIRE ALARM INITIATING DEVICES AND NOTIFICATION APPLIANCES THROUGHOUT BUILDING 360 IN ACCORDANCE WITH NFPA 72.
- COMPLY WITH CONSTRUCTION PHASING AND SEQUENCING NOTES ON SHEET G005.

**KEYNOTES**

- ◇ PROVIDE NOTIFICATION APPLIANCES ON BOTTOM OF BEAM. COORDINATE LOCATIONS WITH ELECTRICAL AND MECHANICAL.
- ◇ COORDINATE INSTALLATION SCHEDULE OF NEW FIRE ALARM EQUIPMENT IN OFFICE SPACE WITH VA COR.
- ◇ FINAL DEVICE LOCATION SHALL BE COORDINATE WITH HIGH DENSITY MOVABLE STORAGE.



**1 FIRE ALARM BUILDING SOUTH GROUND FLOOR NEW WORK PLAN**  
 FA102 1/8" = 1'-0"

CAUTION: IF THIS PLAN IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

Additions:	Date

Revisions:	Date
SCHEMATIC DESIGN (30%) SUBMISSION	03/25/15
DESIGN DEVELOPMENT (60%) SUBMISSION	09/11/15
CONSTRUCTION DOCUMENTS (90% SUBMISSION)	11/23/15
BID DOCUMENTS SUBMISSION	03/17/16

**ARCHITECT / ENGINEERS / CONSULTANTS:**

**OKKS Studios, Inc.**  
 2 Wisconsin Circle / Suite 820  
 Chevy Chase, MD 20815-7003  
 Tel: (301) 718-0080 Fax: (301) 718-9520  
 www.okksstudios.com

**Woods Peacock Engineering Consultants**  
 5250 Cherokee Avenue, Suite 420  
 Alexandria, VA 22312-2052  
 Tel: (703) 658-4400 Fax: (703) 658-4404

**Nobis Engineering, Inc.**  
 20410 Century Boulevard, Suite 230  
 Germantown, MD 20874  
 Tel: (301) 528-2010

**Henry Adams Consulting Engineers, LLC**  
 600 Baltimore Avenue, 4th Floor  
 Baltimore, MD 21204  
 Tel: (410) 296-6500 Fax: (410) 296-6501

**The Protection Engineering Group**  
 2809 Boston Street, Suite 7  
 Baltimore, MD 21204  
 Tel: (443) 708-4096



Approved:

Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And Operations, Perry Point

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And Operations, Perry Point

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Drawing Title

**FIRE ALARM BUILDING SOUTH GROUND FLOOR NEW WORK PLAN**

Approved: Associate Director for Operations

Approved: Director, Medical Center

**FULLY SPRINKLERED**

Project Title

**WAREHOUSE RENOVATION & EXPANSION**

Scale 1/8" = 1'-0"

Building Number 360

Checked KKC

Drawn ACJ

Location

**PERRY POINT, MD**

Date 03/17/16

VA Project Number 512-530

Drawing Number **FA102**

OF XX

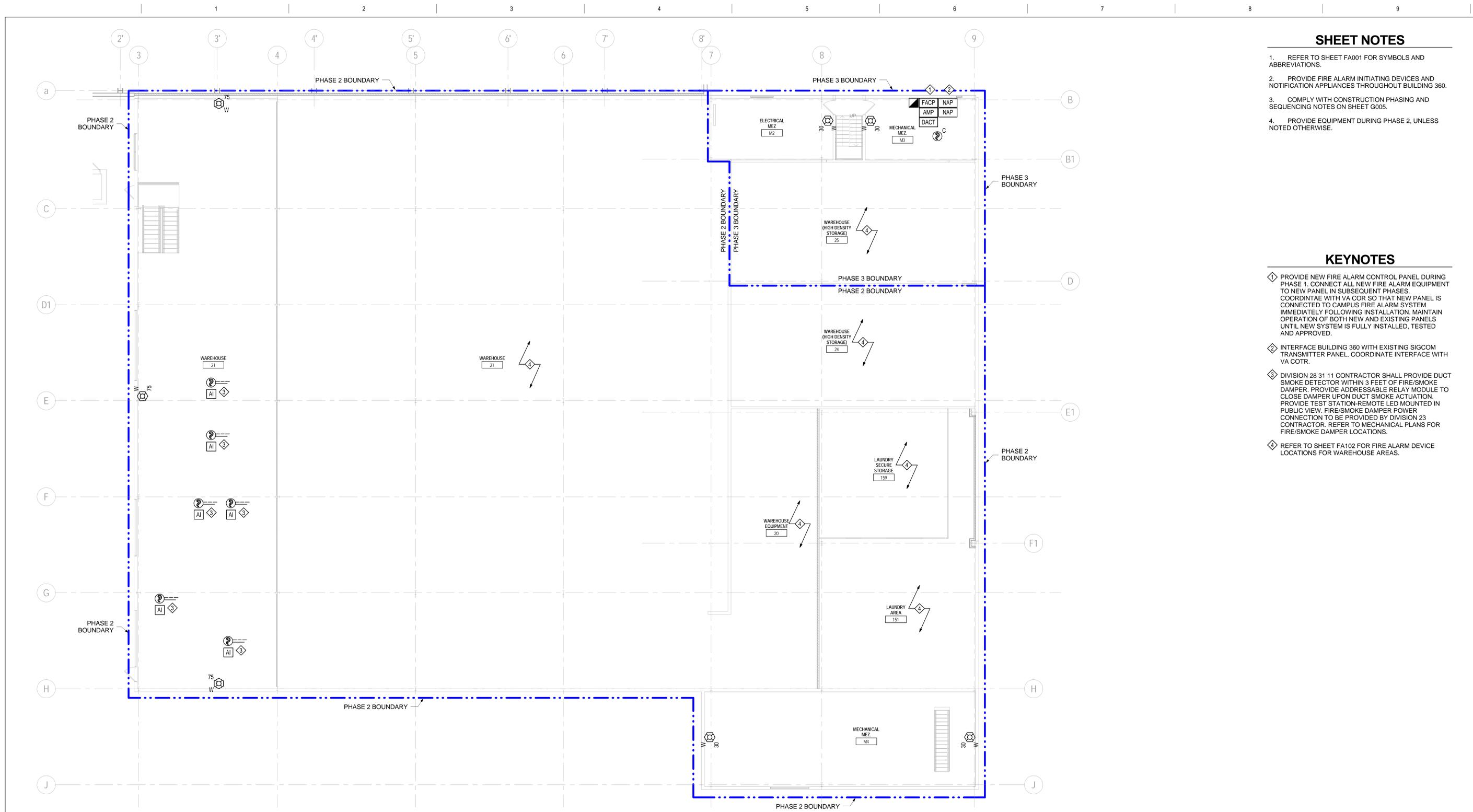


**SHEET NOTES**

- REFER TO SHEET FA001 FOR SYMBOLS AND ABBREVIATIONS.
- PROVIDE FIRE ALARM INITIATING DEVICES AND NOTIFICATION APPLIANCES THROUGHOUT BUILDING 360.
- COMPLY WITH CONSTRUCTION PHASING AND SEQUENCING NOTES ON SHEET 0005.
- PROVIDE EQUIPMENT DURING PHASE 2, UNLESS NOTED OTHERWISE.

**KEYNOTES**

- PROVIDE NEW FIRE ALARM CONTROL PANEL DURING PHASE 1. CONNECT ALL NEW FIRE ALARM EQUIPMENT TO NEW PANEL IN SUBSEQUENT PHASES. COORDINATE WITH VA COR SO THAT NEW PANEL IS CONNECTED TO CAMPUS FIRE ALARM SYSTEM IMMEDIATELY FOLLOWING INSTALLATION. MAINTAIN OPERATION OF BOTH NEW AND EXISTING PANELS UNTIL NEW SYSTEM IS FULLY INSTALLED, TESTED AND APPROVED.
- INTERFACE BUILDING 360 WITH EXISTING SIGCOM TRANSMITTER PANEL. COORDINATE INTERFACE WITH VA COTR.
- DIVISION 28 31 11 CONTRACTOR SHALL PROVIDE DUCT SMOKE DETECTOR WITHIN 3 FEET OF FIRE/SMOKE DAMPER. PROVIDE ADDRESSABLE RELAY MODULE TO CLOSE DAMPER UPON DUCT SMOKE ACTUATION. PROVIDE TEST STATION-REMOTE LED MOUNTED IN PUBLIC VIEW. FIRE/SMOKE DAMPER POWER CONNECTION TO BE PROVIDED BY DIVISION 23 CONTRACTOR. REFER TO MECHANICAL PLANS FOR FIRE/SMOKE DAMPER LOCATIONS.
- REFER TO SHEET FA102 FOR FIRE ALARM DEVICE LOCATIONS FOR WAREHOUSE AREAS.



**1 FIRE ALARM MEZZANINE NEW WORK PLAN**  
 FA103 1/8" = 1'-0"

0 4' 8' 16'

CAUTION: IF THIS PLAN IS A REDUCTION, GRAPHIC SCALE MUST BE USED

Additions:	Date

Revisions:	Date
SCHEMATIC DESIGN (30%) SUBMISSION	03/25/15
DESIGN DEVELOPMENT (60%) SUBMISSION	09/11/15
CONSTRUCTION DOCUMENTS (90% SUBMISSION)	11/23/15
BID DOCUMENTS SUBMISSION	03/17/16

**ARCHITECT / ENGINEERS / CONSULTANTS:**

**OKKS Studios, Inc.**  
 2 Wisconsin Circle / Suite 820  
 Chevy Chase, MD 20815-7003  
 Tel: (301) 718-0080  
 Fax: (301) 718-9520  
 www.okksstudios.com

**Woods Peacock Engineering Consultants**  
 5250 Cherokee Avenue, Suite 420  
 Alexandria, VA 22312-2052  
 Tel: (703) 658-4400  
 Fax: (703) 658-4404

**Nobis Engineering, Inc.**  
 20410 Century Boulevard, Suite 230  
 Germantown, MD 20874  
 Tel: (301) 528-2010

**Henry Adams Consulting Engineers, LLC**  
 600 Baltimore Avenue, 4th Floor  
 Baltimore, MD 21204  
 Tel: (410) 296-6500  
 Fax: (410) 296-6501

**The Protection Engineering Group**  
 2809 Boston Street, Suite 7  
 Baltimore, MD 21224 USA  
 Tel: (443) 708-4096



Approved:

Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And Operations, Perry Point

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Drawing Title

**FIRE ALARM MEZZANINE NEW WORK PLAN**

Approved: Associate Director for Operations

Approved: Director, Medical Center

Project Title

**WAREHOUSE RENOVATION & EXPANSION**

Scale 1/8" = 1'-0"

Building Number 360

Checked CKC

Drawn ACJ

Location

**PERRY POINT, MD**

**FULLY SPRINKLERED**

Date 03/17/16

VA Project Number 512-530

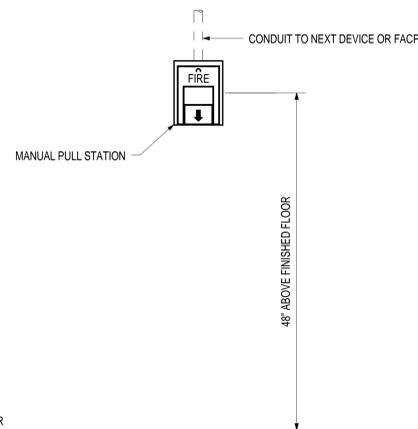
Drawing Number

**FA103**

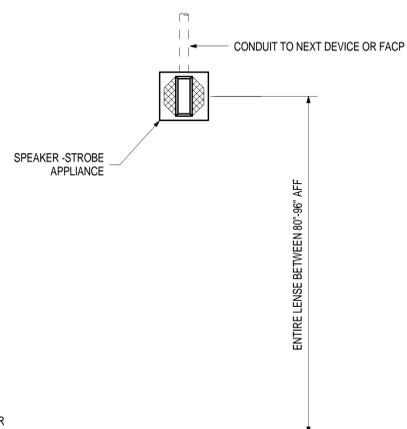
OF XX



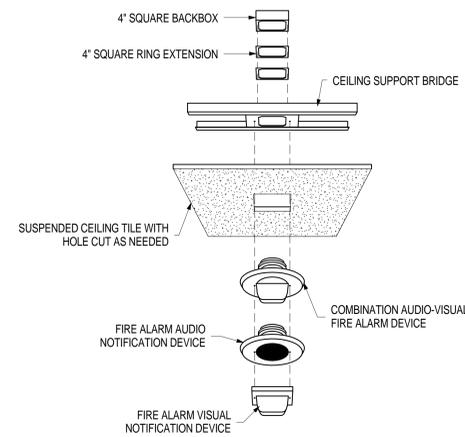




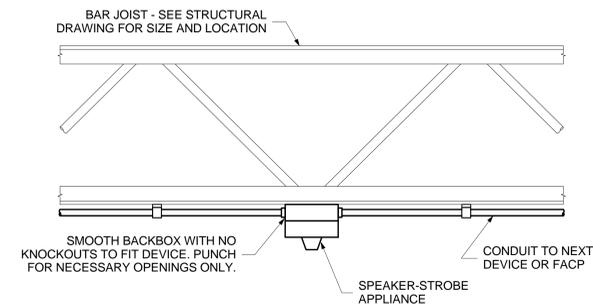
**1 MOUNTING OF MANUAL PULL STATION**  
FA501 NOT TO SCALE



**2 MOUNTING OF NOTIFICATION APPLIANCE**  
FA501 NOT TO SCALE

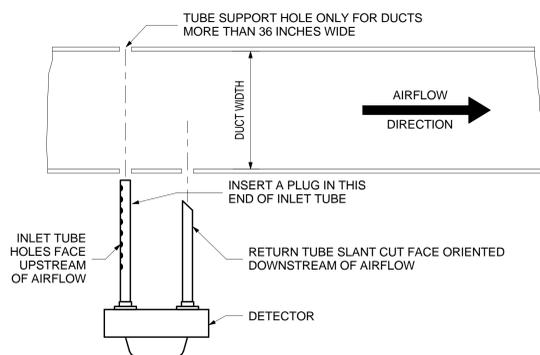


**3 MOUNTING OF APPLIANCE IN SUSPENDED CEILING**  
FA501 NOT TO SCALE



**4 INSTALLATION OF NOTIFICATION APPLIANCE ON BAR JOIST**  
FA501 NOT TO SCALE

**NOTES:**  
1. REFER TO SPECIFICATIONS FOR PAINTING REQUIREMENTS OF CONDUIT AND BACKBOX.



**NOTES:**  
1. COMPLY WITH ALL MANUFACTURER'S INSTRUCTIONS. LOCATE DETECTORS IN COMPLIANCE WITH NFPA 72.  
2. FLEXIBLE CONDUIT NOT EXCEEDING 72 INCHES IN LENGTH SHALL BE INSTALLED FOR CONNECTIONS TO DUCT SMOKE DETECTORS.

**5 INSTALLATION OF DUCT SMOKE DETECTOR**  
FA501 NOT TO SCALE

Additions:	Date

Revisions:	Date
SCHEMATIC DESIGN (30%) SUBMISSION	03/25/15
DESIGN DEVELOPMENT (60%) SUBMISSION	09/11/15
CONSTRUCTION DOCUMENTS (90% SUBMISSION)	11/23/15
BID DOCUMENTS SUBMISSION	03/17/16

**ARCHITECT / ENGINEERS / CONSULTANTS:**

OKKS Studios, Inc. 2 Wisconsin Circle / Suite 820 Chevy Chase, MD 20815-7003 Tel: (301) 718-0080 Fax: (301) 718-9520 www.okksstudios.com	Nobis Engineering, Inc. 20410 Century Boulevard, Suite 230 Germantown, MD 20874 Tel: (301) 528-2010	Woods Peacock Engineering Consultants 5250 Cherokee Avenue, Suite 420 Alexandria, VA 22312-2052 Tel: (703) 658-4400 Fax: (703) 658-4404	The Protection Engineering Group 2809 Boston Street, Suite 7 Baltimore, MD 21224 USA Tel: (443) 708-4096
---	--	---	---

Stamp/Seal

Professional Certification  
I certify that these documents were prepared or approved by me, and that I am duly licensed professional engineer under the laws of the State of Maryland, License No. 41369, expiration date 01/05/2018.

Approved:


Approved: Chief, Facilities and Engineering
Approved: Associate Chief for Maintenance And Operations, Perry Point
Approved: Engineering Projects Supervisor
Approved: Infection Control Officer

Drawing Title <b>FIRE ALARM DETAILS</b>
Approved: Associate Director for Operations
Approved: Director, Medical Center

**FULLY SPRINKLERED**

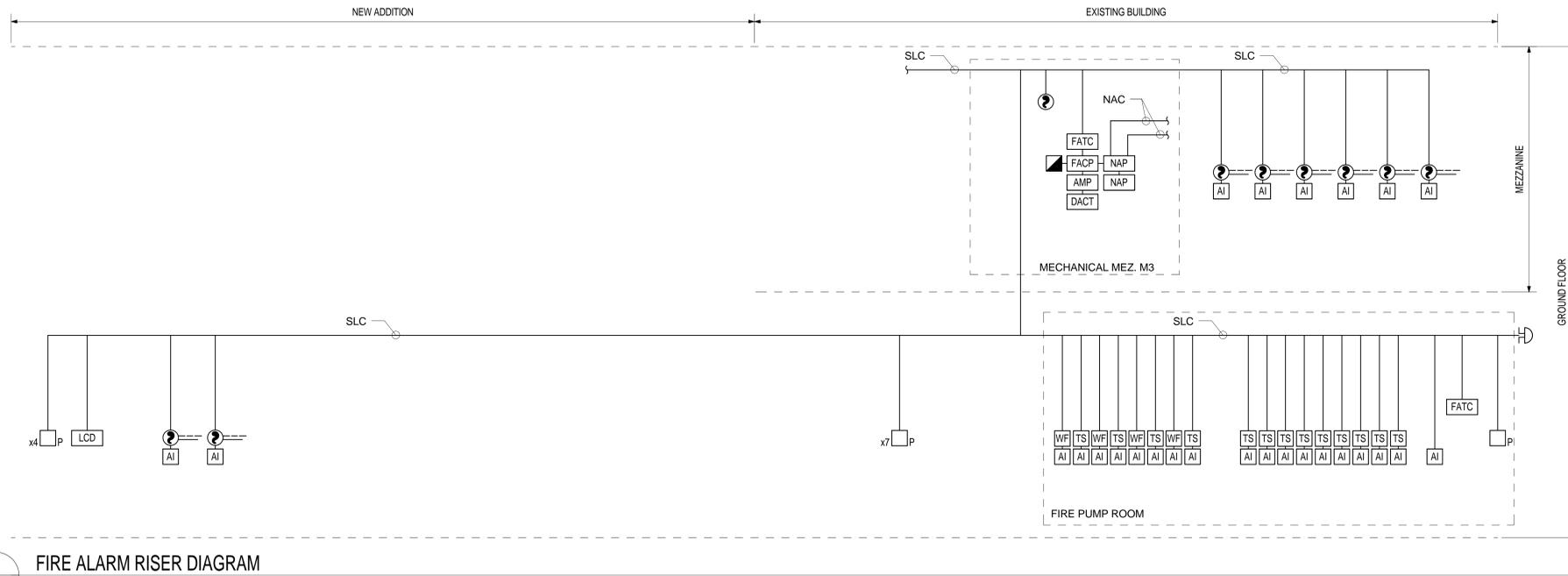
Project Title <b>WAREHOUSE RENOVATION &amp; EXPANSION</b>	Date 03/17/16
Scale NOT TO SCALE	VA Project Number 512-530
Building Number 360	Checked CKC
Drawn ACJ	Drawing Number <b>FA501</b>
Location PERRY POINT, MD	OF XX

Drawing Number <b>FA501</b>
OF XX



**SHEET NOTES**

- REFER TO SHEET FA001 FOR SYMBOLS AND ABBREVIATIONS.
- RISER DIAGRAM IS SCHEMATIC IN NATURE. REFER TO FIRE ALARM PLANS FOR DEVICE LOCATIONS AND QUANTITIES. NOT ALL DEVICES ARE SHOWN ON RISER DIAGRAM.
- COMPLY WITH CONSTRUCTION PHASING AND SEQUENCING NOTES ON SHEET G005.



**1 FIRE ALARM RISER DIAGRAM**  
NOT TO SCALE

INPUT DEVICE	FIRE ALARM OPERATIONS MATRIX										
	OUTPUT										
	SOUND GENERAL BUILDING ALARM FOR OTHER & HIGH RISE (NON-HEALTH CARE)	NOTIFY NECESSARY STAFF FOR RESPONSE FOR HEALTH CARE AND HIGH RISE BUILDINGS ONLY (ALARM SIGNAL MAY BE DIFFERENT ON DIFFERENT FLOOR)	NOTIFY FIRE DEPARTMENT	INITIATE SUPERVISORY SIGNAL TO A 24-HOUR MANNED POINT IMMEDIATE RESPONSE	CLOSE ASSOCIATE SMOKE BARRIER DOORS ON THE FLOOR	CLOSE DAMPERS ON FAN PROXIMATE TO DETECTOR	SHUT DOWN AIR HANDLER SERVED BY THE DETECTOR	RECALL ELEVATOR	INITIATE ELEVATOR SHUT DOWN AND DISCONNECT ELEVATOR POWER	OPEN ** LOCKED EGRESS DOORS ON FLOOR	DISCONNECT FUEL SOURCE FROM COOKING EQUIPMENT
DUCT SMOKE DETECTOR*				X		X	X**				
AREA SMOKE DETECTOR*	X	X	X							X	
DOOR RELEASE SMOKE DETECTOR*	X	X	X		X	X				X	
MANUAL PULL STATION	X	X	X		X					X	
SPRINKLER WATERFLOW / PRESSURE SWITCH	X	X	X		X					X	
WATER CONTROL VALVE TAMPERS				X							
FIRE PUMP (ANY ALARM CONDITION REQUIRED BY NFPA 20)				X							
HIGH/LOW PRESSURE DRY-PIPE SPRINKLER SYSTEM				X							
DRY-PIPE VALVE ROOM TEMPERATURE ALARM				X							

\*WHILE NFPA 101 DOES NOT REQUIRE SOME DETECTORS TO NOTIFY BUILDING OCCUPANTS, VA REQUIRES ALL SMOKE DETECTORS, OTHER THAN DUCT DETECTORS, TO NOTIFY BUILDING OCCUPANTS. ONLY INSTALL SMOKE DETECTORS WHEN REQUIRED BY THE LIFE SAFETY CODE OR ITS REFERENCES.

\*\*THOSE DOORS THAT ARE REQUIRED TO BE TIED TO THE FIRE ALARM SYSTEM SUCH AS DELAYED EGRESS AND ACCESS CONTROLLED DOORS.

\*\*\*DO NOT PROVIDE DUCT DETECTORS IN DEDICATED (100%) EXHAUST FANS, THEY SHOULD CONTINUE TO RUN.

Additions:	Date

Revisions:	Date
SCHEMATIC DESIGN (30%) SUBMISSION	03/25/15
DESIGN DEVELOPMENT (60%) SUBMISSION	09/11/15
CONSTRUCTION DOCUMENTS (90% SUBMISSION)	11/23/15
BID DOCUMENTS SUBMISSION	03/17/16

**ARCHITECT / ENGINEERS / CONSULTANTS:**

**OKKS Studios, Inc.**  
2 Wisconsin Circle / Suite 820  
Chevy Chase, MD 20815-7003  
Tel: (301) 718-0080  
Fax: (301) 718-9520  
www.okksstudios.com

**Woods Peacock Engineering Consultants**  
5250 Cherokee Avenue, Suite 420  
Alexandria, VA 22312-2052  
Tel: (703) 658-4400  
Fax: (703) 658-4404

**Nobis Engineering, Inc.**  
20410 Century Boulevard, Suite 230  
Germantown, MD 20874  
Tel: (301) 528-2010

**Henry Adams Consulting Engineers, LLC**  
600 Baltimore Avenue, 4th Floor  
Baltimore, MD 21204  
Tel: (410) 296-6500  
Fax: (410) 296-6501

**The Protection Engineering Group**  
2809 Boston Street, Suite 7  
Baltimore, MD 21224 USA  
Tel: (443) 708-4096

Stamp/Seal

Professional Certification  
I certify that these documents were prepared or approved by me, and that I am duly licensed professional engineer under the laws of the State of Maryland, License No. 41369, expiration date 01/05/2018.

Approved:

Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And Operations, Perry Point

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Approved: Chief, Facilities and Engineering

Approved: Associate Chief for Maintenance And Operations, Perry Point

Approved: Engineering Projects Supervisor

Approved: Infection Control Officer

Drawing Title

**FIRE ALARM RISER DIAGRAM**

Approved: Associate Director for Operations

Approved: Director, Medical Center

**FULLY SPRINKLERED**

Project Title

**WAREHOUSE RENOVATION & EXPANSION**

Scale: NOT TO SCALE

Building Number: 360

Checked: CKC

Drawn: ACJ

Location

**PERRY POINT, MD**

Date

03/17/16

VA Project Number

512-530

Drawing Number

**FA601**

OF XX

