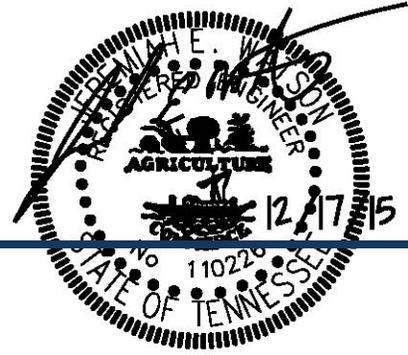




December 17, 2015

PROJECT: Sprinkler System Retrofit  
Juvenile Court @ 616 Adams  
RFP # 16-012-30  
616 Adams Ave.  
Memphis, TN 38103



PREPARED BY: Innovative Engineering Services, LLC  
2787 Stage Center Dr., Suite 101  
Bartlett, TN 38134  
Phone: (901) 379-0500  
Email: [info@innovativees-llc.com](mailto:info@innovativees-llc.com)

TO: Prospective Bidders

INSTRUCTIONS: This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated December 7, 2015, with amendments and addition as noted below.

Acknowledge receipt of the Addendum in the space provided in the Bid Form. Failure to do so may disqualify the Bidder.

**CHANGES TO THE PROJECT MANUAL:**

**Section 004113 – BID FORM**

- 1. Add the following under the ALTERNATIVES paragraph:

ALTERNATE 4 (Deductive): Provide temporary construction walls on third floor and mezzanine of north section, as indicated on the drawings:

\_\_\_\_\_ Dollars, (\$ \_\_\_\_\_)

**Section 221316 - SANITARY WASTE AND VENT PIPING**

- 1. Add the following paragraph:

**1.4 HUBLESS, CAST-IRON SOIL PIPE AND FITTINGS**

- A. Pipe and Fittings: ASTM A 888 or CISPI 301.
- B. CISPI, Hubless-Piping Couplings:
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. ANACO-Husky.
    - b. Dallas Specialty & Mfg. Co.
    - c. Fernco Inc.
    - d. MIFAB, Inc.
    - e. Tyler Pipe.
  - 2. Standards: ASTM C 1277 and CISPI 310.
  - 3. Description: Stainless-steel corrugated shield with stainless-steel bands and tightening devices; and ASTM C 564, rubber sleeve with integral, center pipe stop.



2. Replace paragraph 3.9 with the following:

3.9 PIPING SCHEDULE

- A. Flanges and unions may be used on aboveground pressure piping unless otherwise indicated.
- B. Aboveground, exposed, soil and waste piping NPS 4 (DN 100) and smaller shall be the following:
  - 1. Service class, cast-iron soil pipe and fittings; gaskets; and gasketed joints.
  - 2. Dissimilar Pipe-Material Couplings: Unshielded, nonpressure transition couplings.
- C. Aboveground, concealed, soil and waste piping NPS 4 (DN 100) and smaller shall be the following:
  - 1. Hubless, cast-iron soil pipe and fittings; heavy-duty hubless-piping couplings; and coupled joints.
  - 2. Dissimilar Pipe-Material Couplings: Shielded, nonpressure transition couplings.
- D. Aboveground, exposed, vent piping NPS 4 (DN 100) and smaller shall be any of the following:
  - 1. Service class, cast-iron soil pipe and fittings; gaskets; and gasketed joints.
  - 2. Dissimilar Pipe-Material Couplings: Unshielded, nonpressure transition couplings.
- E. Aboveground, concealed, vent piping NPS 4 (DN 100) and smaller shall be any of the following:
  - 1. Hubless, cast-iron soil pipe and fittings; heavy-duty hubless-piping couplings; and coupled joints.
  - 2. Dissimilar Pipe-Material Couplings: Shielded, nonpressure transition couplings.

---

CHANGES TO THE PROJECT DRAWINGS:

COVER PAGE – Revised Alternative Notes.

- 4. PROVIDE TEMPORARY CONSTRUCTION WALLS ON THIRD FLOOR AND MEZZANINE OF THE NORTH SECTION (DEDUCTIVE).

FP103 & FP104 – Provide temporary construction walls as indicated on sheets. The temporary wall shall be anchored to the existing walls and floors and ceiling to block access of detainees to construction area. The temporary wall shall be constructed of double-sided plywood with wood studs supported with L-straps. Provide triple studs every 2 ft. Coordinate with facility personnel on the security of the wall. The construction of this wall is an alternative deduction.

SECTION 00 41 13

BID FORM - STIPULATED SUM

To: Administrator of Purchasing  
Shelby County Government  
Suite 900  
160 North Main St.  
Memphis, TN 38103

Project: Juvenile Court  
Sprinkler System Retrofit  
616 Adams Ave, Memphis, TN

Date: \_\_\_\_\_

Submitted by:  
(full name) \_\_\_\_\_

(full address) \_\_\_\_\_  
\_\_\_\_\_

I. OFFER

**BASE BID-** All Work not including listed on this bid form and not including the Contingency Allowance as indicated in the bid documents: *(State amounts in both words and figures)*

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**CONTINGENCY ALLOWANCE** Twenty percent (20%) of the Base Bid to the nearest whole dollar: Contingency funds may only be applied towards work that is not identified by the contract documents and is approved by the owner. Any unused funds shall be deducted from the contract by deductive change order at the contract close-out. *(State amounts in both words and figures)*

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**TOTAL BASE BID AMOUNT** *(Base Bid plus Contingency Allowance)*  
*Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by Innovative Engineering Services for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of (State amounts in both words and figures)*

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

in lawful money of the United States of America.

We have included the security Bid Bond as required by the Notice to Bidders. All applicable federal taxes are included and State of Tennessee and City of Memphis taxes are included in the Bid Sum.

1. ALTERNATES

Refer to drawings, Alternates.

ALTERNATE 1: Install floor drains and associated piping in designated areas as indicated in drawings:

\_\_\_\_\_ Dollars, (\$ \_\_\_\_\_)

ALTERNATE 2: Replace existing shutoff valves at floor control valve assembly with automatic valves and install control panel in main control room as indicated on drawings:

\_\_\_\_\_ Dollars, (\$ \_\_\_\_\_)

ALTERNATE 3: Paint repaired and/or patched ceiling and walls that had to be accessed to perform work in Base Bid and Alternate 1. The patching is NOT included in this alternate and should part of the Base Bid:

\_\_\_\_\_ Dollars, (\$ \_\_\_\_\_)

ALTERNATE 4 (Deductive): Provide temporary construction walls on third floor and mezzanine of north section, as indicated on the drawings:

\_\_\_\_\_ Dollars, (\$ \_\_\_\_\_)

2. ACCEPTANCE

This offer shall be open to acceptance and is irrevocable for (90) ninety days from the bid closing date. If this bid is accepted by the Owner within the time period stated above, we will:

- Execute the Agreement within seven days of receipt of Notice of Award.
- Furnish the required bonds within seven days of receipt of Notice of Award. In the form described in Supplementary Conditions.
- Commence work within seven days after written Notice to Proceed.

If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required bonds, the security deposit shall be forfeited as damages to the Owner by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a

Contract is signed.

In the event our bid is not accepted within the time stated above, the required security deposit will be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

3. CONTRACT TIME

If this Bid is accepted, we will: Complete the Work in ONE HUNDRED EIGHTY (180) calendar days from Notice to Proceed. CONTRACTOR agrees to provide COUNTY an amount equal to 500 (\$) Dollars per day for liquidated damages for each consecutive calendar day required for the completion of the contract beyond the time stipulated.

4. ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.

Addendum # \_\_\_\_\_ Dated \_\_\_\_\_

5. APPENDICES

The following documents are attached to and made a condition of the Bid:  
LOS Subcontractor & Supplier List  
Drug-Free Workplace Affidavit  
Bid security in form of Bid Bond

6. BID FORM SIGNATURES

The Corporate Seal of

---

(Bidder- print the full name of your firm)

was hereunto affixed in the presence of:

---

(Authorized signing officer Title)  
(Seal)

---

(Authorized signing officer Title)  
(Seal)

If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

END OF DOCUMENT

# PROJECT: JUVENILE COURT SPRINKLER SYSTEM RETROFIT

RFP # 16-012-30

SHELBY COUNTY GOVERNMENT

616 ADAMS AVE.

MEMPHIS, TN 38103



## PHASE:

- PHASE 1  
1ST FLOOR STAIRWELLS & 2ND FLOOR MEDICAL (INCLUDES SPRINKLER HEADS, FCVA, DRAIN PIPING AND FLOOR DRAINS)
- PHASE 2  
2ND FLOOR GIRLS SOUTH & CONTROL ROOM (INCLUDES SPRINKLER HEADS, DRAIN PIPING AND FLOOR DRAINS)
- PHASE 3  
2ND FLOOR HOPE ACADEMY (INCLUDES SPRINKLER HEADS & FCVA)
- PHASE 4  
3RD FLOOR BOYS SOUTH WEST (INCLUDES SPRINKLER HEADS, FCVA, DRAIN PIPING AND FLOOR DRAINS)
- PHASE 5  
3RD FLOOR MEZZANINE BOYS SOUTH WEST (INCLUDES SPRINKLER HEADS AND FLOOR DRAINS)
- PHASE 6  
3RD FLOOR BOYS SOUTH EAST & DINING (INCLUDES SPRINKLER HEADS, FCVA, DRAIN PIPING AND FLOOR DRAINS)
- PHASE 7  
3RD FLOOR MEZZANINE BOYS SOUTH EAST (INCLUDES SPRINKLER HEADS AND FLOOR DRAINS)
- PHASE 8  
3RD FLOOR MEZZANINE BOYS NORTH WEST (INCLUDES SPRINKLER HEADS AND FLOOR DRAINS)
- PHASE 9  
3RD FLOOR MEZZANINE BOYS NORTH WEST (INCLUDES SPRINKLER HEADS AND FLOOR DRAINS)
- PHASE 10  
3RD FLOOR MEZZANINE BOYS NORTH EAST (INCLUDES SPRINKLER HEADS AND FLOOR DRAINS)
- PHASE 11  
3RD FLOOR BOYS NORTH EAST (INCLUDES SPRINKLER HEADS, FCVA AND FLOOR DRAINS)

## SCOPE OF WORK:

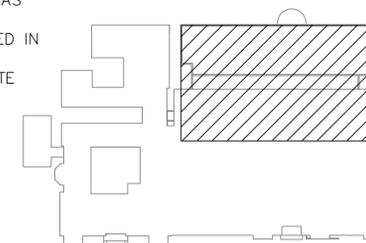
1. REPLACE EXISTING SPRINKLER HEADS IN DETENTION AREAS WITH INSTITUTIONAL TYPE HEADS.
2. REPLACE EXISTING SHUTOFF VALVES AT FLOOR CONTROL VALVE ASSEMBLIES THAT SERVE DETENTION AREAS WITH ELECTRONIC CONTROL VALVES. THESE NEW VALVES SHALL BE OPERATED FROM A CONTROL PANEL LOCATED IN THE MAIN CONTROL ROOM.
3. INSTALL DRAIN PIPING FOR SPRINKLER SYSTEM.
4. INSTALL FLOOR DRAINS DETENTION AREAS.

## ALTERNATES:

1. INSTALL FLOOR DRAINS AND ASSOCIATED PIPING IN DESIGNATED AREAS AS INDICATED IN DRAWINGS.
2. INSTALL AUTOMATIC SHUTOFF VALVES AND CONTROL PANEL AS INDICATED IN DRAWINGS.
3. PROVIDE THE PAINTING OF REPAIRED CEILING AND WALLS AS A SEPARATE PRICE
4. PROVIDE TEMPORARY CONSTRUCTION WALLS ON THIRD FLOOR AND MEZZANINE OF NORTH SECTION. (DEDUCTIVE)

## NOTES:

1. THE PURPOSE OF THIS PROJECT IS TO HELP REDUCE FLOODING DURING INCIDENTS WHEN SPRINKLER HEADS ARE DAMAGED BY DETAINEES.



KEY PLAN

## DRAWING INDEX

DWG #	DESCRIPTION
FP000	FIRE PROTECTION/PLUMBING GENERAL NOTES, LEGEND, AND DETAILS
FP101	FIRE PROTECTION GROUND FLOOR PLAN
FP102	FIRE PROTECTION SECOND FLOOR PLAN
FP103	FIRE PROTECTION THIRD FLOOR PLAN
FP104	FIRE PROTECTION THIRD FLOOR MEZZANINE PLAN
P101	PLUMBING GROUND FLOOR PLAN
P102	PLUMBING SECOND FLOOR PLAN
P103	PLUMBING THIRD FLOOR PLAN
P104	PLUMBING THIRD FLOOR MEZZANINE PLAN
E102	ELECTRICAL SECOND FLOOR PLAN
E103	ELECTRICAL THIRD FLOOR PLAN
E104	ELECTRICAL THIRD FLOOR MEZZANINE PLAN

## CONSULTANTS

MECHANICAL/ELECTRICAL ENGINEER – INNOVATIVE ENGINEERING SERVICES, LLC  
 2787 STAGE CENTER DR. SUITE 101  
 BARTLETT, TN 38134  
 (901) 379 0500  
 www.innovativees-llc.com

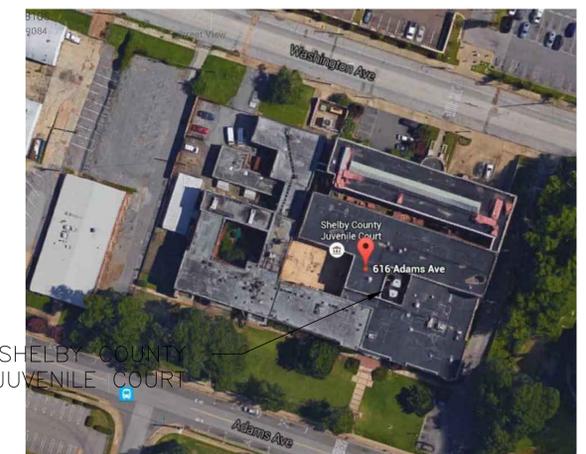
## CODE NOTES

2009 INTERNATIONAL BUILDING CODE W/ LOCAL AMENDMENTS  
 2012 INTERNATIONAL EXISTING BUILDING CODE W/ LOCAL AMENDMENTS  
 2008 NATIONAL ELECTRIC CODE W/ LOCAL AMENDMENTS  
 2009 INTERNATIONAL FIRE CODE W/ LOCAL AMENDMENTS  
 2009 INTERNATIONAL PLUMBING CODE W/ LOCAL AMENDMENTS  
 ASHRAE 62 – 2007

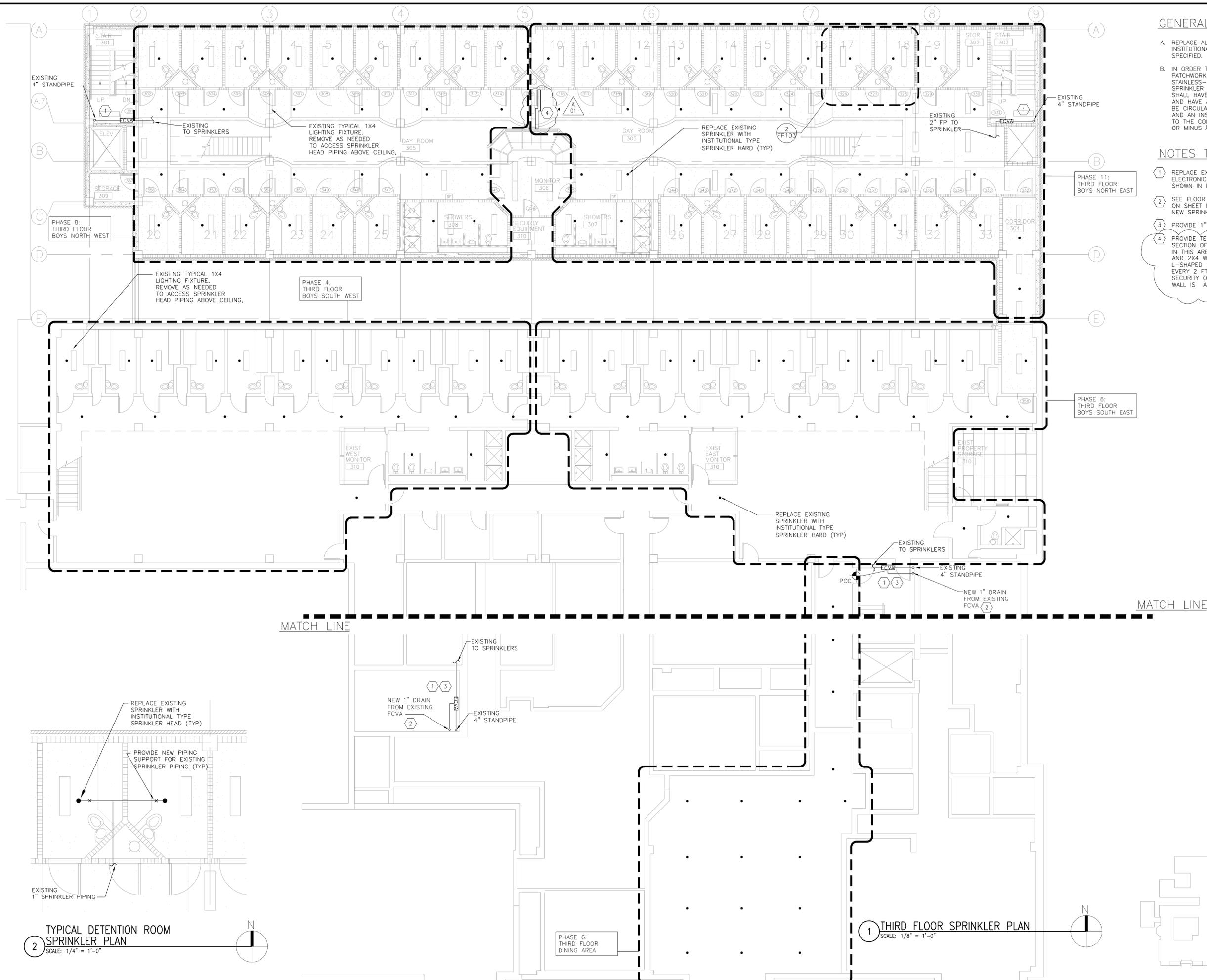
## ATTENTION:

THE CONTRACTOR SHALL BE AWARE THAT ONCE THESE PLANS HAVE BEEN SUBMITTED FOR LOCAL CODE PLAN REVIEW AND LOCAL CODE PLAN REVIEW HAS APPROVED THE DRAWINGS FOR CONSTRUCTION PERMIT ISSUE, THE DESIGN PARAMETERS AND LAYOUT OF EQUIPMENT CANNOT BE CHANGED OR MODIFIED IN THE FIELD. ALL CHANGES TO THE DESIGN PARAMETERS AND LAYOUT OF EQUIPMENT ARE REQUIRED TO BE ACCOMPLISHED UNDER THE DIRECTION OF A REGISTERED ENGINEER AND SEALED BY THE SAME. REVISED PLANS, WITH CHANGES IDENTIFIED, SHALL BE RESUBMITTED FOR LOCAL CODE PLAN REVIEW.

## VICINITY MAP



SHELBY COUNTY  
JUVENILE COURT

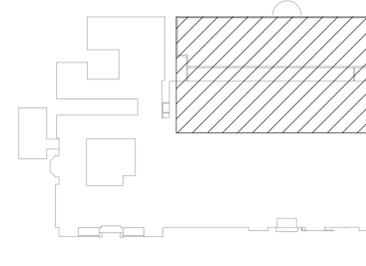


- GENERAL NOTES:**
- REPLACE ALL SPRINKLER HEADS SHOW WITH INSTITUTIONAL-TYPE SPRINKLER HEAD AS SPECIFIED.
  - IN ORDER TO REDUCE SOME OF THE CEILING PATCHWORK, PROVIDE A FABRICATED, 304 STAINLESS-STEEL FLANGE PLATE BETWEEN THE SPRINKLER HEAD AND THE CEILING. THE PLATE SHALL HAVE A MATTE FINISH, BEVELED EDGES AND HAVE A GAUGE OF 12. THE PLATE SHALL BE CIRCULAR, WITH A 10" OUTSIDE DIAMETER AND AN INSIDE DIAMETER THAT WILL FIT TIGHT TO THE COLLAR OF THE SPRINKLER HEAD (PLUS OR MINUS 1/8").

- NOTES THIS DRAWING:**
- REPLACE EXISTING SHUTOFF VALVE WITH ELECTRONIC AUTOMATIC SHUTOFF VALVE AS SHOWN IN DETAIL 5 ON SHEET FP000.
  - SEE FLOOR CONTROL VALVE ASSEMBLY DETAIL 5 ON SHEET FP000 FOR TYPICAL CONNECTION OF NEW SPRINKLER DRAIN.
  - PROVIDE 1" DRAIN PIPING FROM FCVA.
  - PROVIDE TEMPORARY CONSTRUCTION WALL TO SECTION OFF AREA OF WORK FOR THE PHASES IN THIS AREA. UTILIZE DOUBLE-SIDED PLYWOOD AND 2x4 WOOD STUDS SUPPORTED WITH L-SHAPED STRAPS. PROVIDE TRIPLE STUDS EVERY 2 FT. COORDINATE WITH FACILITY ON THE SECURITY OF THE WALL. CONSTRUCTION OF THIS WALL IS ALTERNATIVE DEDUCTION NO. 01.



**2 TYPICAL DETENTION ROOM SPRINKLER PLAN**  
SCALE: 1/4" = 1'-0"



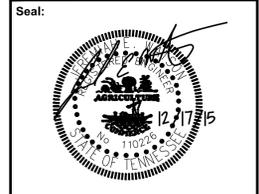
**KEY PLAN**

REVISION		
Mark	Date	Description
	10/11/15	Project Rebid
	12/07/15	Project Rebid 2
A01	12/17/15	Addendum No. 01

**IES**  
INNOVATIVE ENGINEERING SERVICES, LLC  
2787 Stage Center Dr., Suite 101  
Bartlett, Tennessee 38134  
901-379-0500  
www.innovativees-llc.com

**SHELBY COUNTY GOVERNMENT  
JUVENILE COURT  
SPRINKLER SYSTEM RETROFIT**  
616 ADAMS AVE. MEMPHIS, TN 38103  
RFP # 16-012-30

PROJECT NAME  
Client  
**SHELBY COUNTY GOVERNMENT**  
160 North Main Street  
Memphis, TN 38103



Drawing Title  
**FIRE PROTECTION  
THIRD FLOOR PLAN**

Project No.: 1412  
Scale: 1/8" = 1'-0"  
Drawn By: PPH  
Approved By: JEW  
Filename: 616 ADAM SPRINKLER SYSTEM RETROFIT  
Date: 12/07/15

Sheet Number  
**FP103**

**1 THIRD FLOOR SPRINKLER PLAN**  
SCALE: 1/8" = 1'-0"

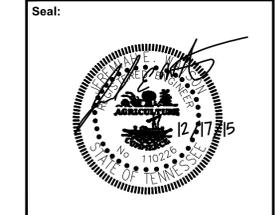


Mark	Date	Description
	10/11/15	Project Rebid
	12/07/15	Project Rebid 2
A01	12/17/15	Addendum No. 01

**IES**  
**INNOVATIVE ENGINEERING**  
 SERVICES, LLC  
 2787 Stage Center Dr., Suite 101  
 Bartlett, Tennessee 38134  
 901-379-0500  
 www.innovativees-llc.com

**SHELBY COUNTY GOVERNMENT  
 JUVENILE COURT  
 SPRINKLER SYSTEM RETROFIT**  
 616 ADAMS AVE. MEMPHIS, TN 38103  
 RFP # 16-012-30

PROJECT NAME  
 Client  
**SHELBY COUNTY GOVERNMENT**  
 160 North Main Street  
 Memphis, TN 38103



Drawing Title  
**FIRE PROTECTION  
 THIRD FLOOR  
 MEZZANINE PLAN**

Project No.: 14122  
 Scale: 1/8" = 1'-0"  
 Drawn By: PTH  
 Approved By: JBN  
 Filename: 616 ADAM SPRINKLER SYSTEM RETROFIT  
 Date: 12/07/15

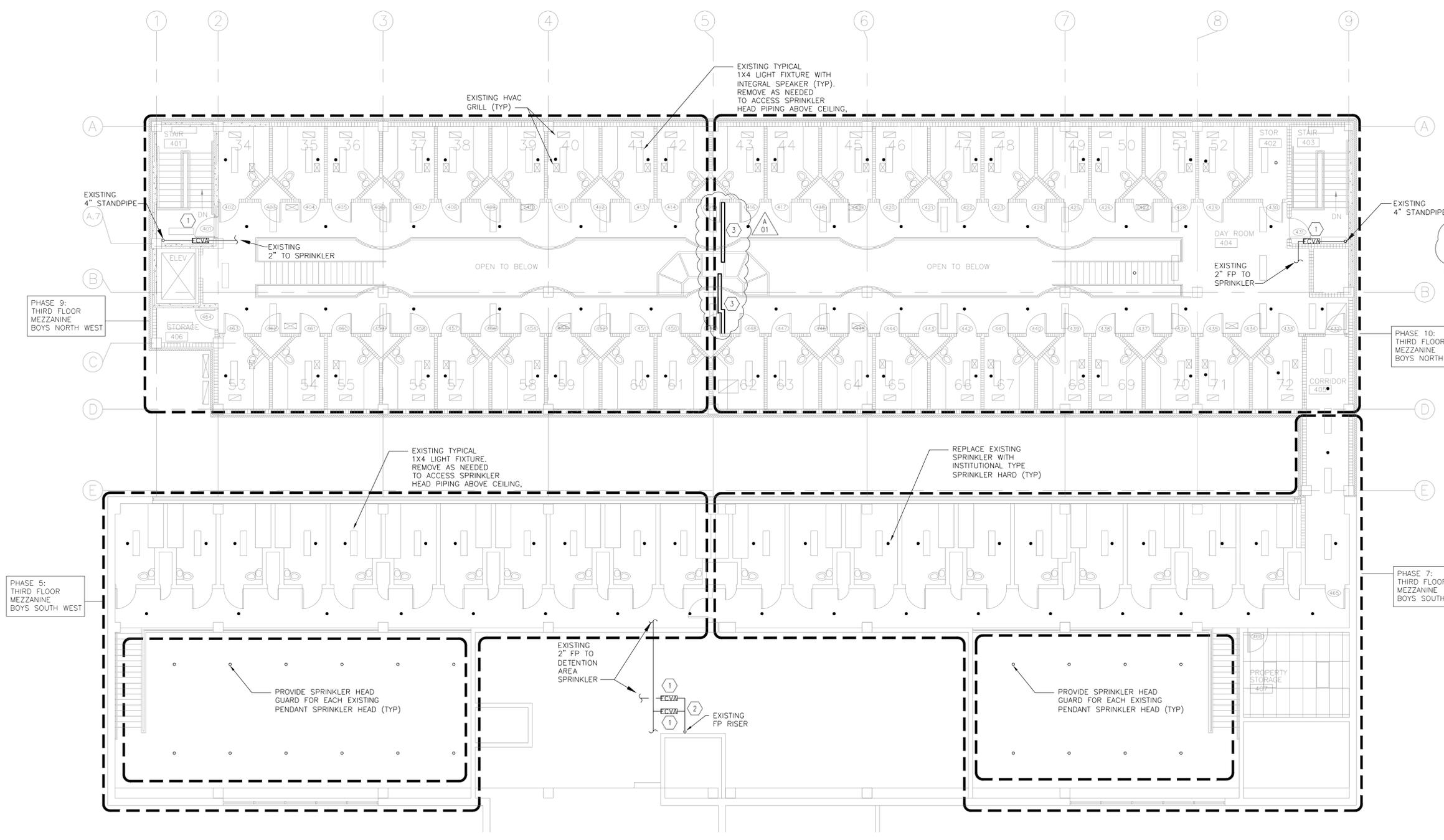
Sheet Number  
**FP104**

**GENERAL NOTES:**

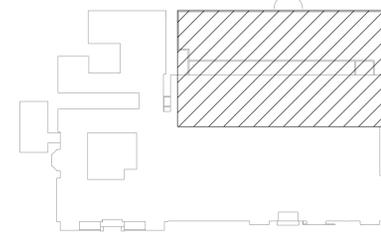
- A. REPLACE EXISTING SPRINKLER HEADS SHOWN ON DRAWING WITH INSTITUTIONAL-TYPE SPRINKLER HEADS AS SPECIFIED.
- B. IN ORDER TO REDUCE SOME OF THE CEILING PATCHWORK, PROVIDE A FABRICATED, 304 STAINLESS-STEEL FLANGE PLATE BETWEEN THE SPRINKLER HEAD AND THE CEILING. THE PLATE SHALL HAVE A MATTE FINISH, BEVELED EDGES AND HAVE A GAUGE OF 12. THE PLATE SHALL BE CIRCULAR, WITH A 10" OUTSIDE DIAMETER AND AN INSIDE DIAMETER THAT WILL FIT TIGHT TO THE COLLAR OF THE SPRINKLER HEAD (PLUS OR MINUS 1/16").

**NOTES THIS DRAWING:**

- 1. REPLACE EXISTING MANUAL SHUTOFF VALVE WITH AUTOMATIC SHUTOFF VALVE AS SHOWN IN DETAIL 5 ON SHEET FP000.
- 2. PROVIDE 1" DRAIN PIPING FROM EACH FCVA TO NEAREST FLOOR DRAIN IN MECHANICAL ROOM.
- 3. PROVIDE TEMPORARY CONSTRUCTION WALL TO SECTION OFF AREA OF WORK FOR THE PHASES IN THIS AREA. UTILIZE DOUBLE-SIDED PLYWOOD AND 2X4 WOOD STUDS SUPPORTED WITH L-SHAPED STRAPS. PROVIDE TRIPLE STUDS EVERY 2 FT. EXTEND WALL 2 FT PAST EDGE OF MEZZANINE TO HELP MAINTAIN SECURITY. COORDINATE WITH FACILITY ON THE SECURITY OF THE WALL. CONSTRUCTION OF THIS WALL IS ALTERNATIVE DEDUCTION NO. 01.



1 THIRD FLOOR MEZZANINE PLAN  
 SCALE: 1/8" = 1'-0"



KEY PLAN