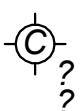
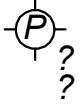
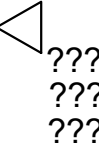


SPRINKLER HEAD LEGEND	
	<p>Concealed Pendant Type. See drawings for following option designations:</p> <p>Designations:</p> <p>DRY - Dry type with barrel length determined in field</p> <p>EC - Extended Coverage</p> <p>Cover colors:</p> <p>W - White</p> <p>Chrome</p> <p>CC - Custom Color (Color as determined by Architect)</p>
	<p>Standard Pendant (P) or Upright (U) Type. See drawings for following option designations:</p> <p>DRY - Dry type with barrel length determined in field.</p> <p>DSR - Dry type, Semi-recessed</p> <p>INST - Institutional, flush mount pendant type</p> <p>EC - Extended Coverage</p> <p>G - Guard</p> <p>Colors:</p> <p>Chrome</p> <p>Brass</p>
	<p>Horizontal Sidewall Type. See drawings for following option designations:</p> <p>C - Concealed</p> <p>DRY - Dry type with barrel length determined in field.</p> <p>DSR - Dry type, Semi-recessed with barrel length determined in field.</p> <p>EC - Extended Coverage</p> <p>G - Guard</p> <p>Colors:</p> <p>Chrome</p> <p>Brass</p>
<p>*Coordinate sprinkler head types with drawings, approved architectural reflected ceiling plans and field conditions. Resolve any conflicts with Architect/Engineer prior to installation.</p> <p>*Heads designated as exposed standard upright and pendant type can be either pendant or upright as to best fit in final piping layout.</p> <p>*Refer to Division 21 - Fire Suppression Specifications for detailed sprinkler specifications.</p>	

FIRE PROTECTION DESIGN NOTE
<p>This Contractor shall coordinate sprinkler head and piping with all other trades prior to installation. Contractor shall also provide additional heads and supply pipe required for proper sprinkler coverage both above and below HVAC duct work, suspended units, etc. over 48" in width. Coordinate in field (NFPA 5-5.5.3.1).</p>

DESIGN CODE REFERENCES	
PA - UCC	PENNSYLVANIA UNIFORM CONSTRUCTION CODE; 2018
IBC2018	ICC - INTERNATIONAL BUILDING CODE; 2018
IFC2018	ICC - INTERNATIONAL FIRE CODE; 2018 (AS REFERENCED IN INTERNATIONAL BUILDING CODE)

REFERENCED DESIGN STANDARDS	
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA 13	NATIONAL FIRE PROTECTION ASSOCIATION - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS; 2016 EDITION OR MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMENDMENTS AND SUPPLEMENTS.
NFPA 14	NATIONAL FIRE PROTECTION ASSOCIATION - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS; 2016 EDITION OR MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMENDMENTS AND SUPPLEMENTS
NFPA 20	NATIONAL FIRE PROTECTION ASSOCIATION - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION; 2016 EDITION OR MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMENDMENTS AND SUPPLEMENTS
NFPA 24	NATIONAL FIRE PROTECTION ASSOCIATION - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES; 2016 EDITION OR MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMENDMENTS AND SUPPLEMENTS
NFPA 101	NATIONAL FIRE PROTECTION ASSOCIATION - 2018 EDITION OR CODE FOR SAFETY TO LIFE FROM FIRE IN BUILDINGS AND STRUCTURES OR MOST RECENT EDITION ADOPTED BY AUTHORITY HAVING JURISDICTION, INCLUDING ALL APPLICABLE AMENDMENTS AND SUPPLEMENTS.

phone: 215.829.0922 x####  
CONTACT PERSON: PM Name

---

**OWNER**  
West Chester Area School District  
phone: 484.266.1281  
CONTACT PERSON: Damon Gonzaga

---

**CIVIL ENGINEER**  
Stantec Consulting Services  
phone: 610.840.2500  
CONTACT PERSON: Charles J. Olivo, PE

---

**STRUCTURAL ENGINEER**  
Baker, Ingram & Associates  
phone: 855.310.1481  
CONTACT PERSON: Brian D. McGlade, PE

---

**MEP & FP**  
Snyder Hoffman Associates, Inc  
phone: 610.694.8020  
CONTACT PERSON: Jeff Machich, PE

Project:

Mary C. Howse  
Elementary

Project Address:

641 Boot Road  
West Chester, PA 19380

COVER SHEET - FIRE PROTECTIONSeal

**DUTY TO INSPECT CONTRACT DOCUMENTS PRIOR TO STARTING WORK:** The Architect shall be responsible for the whole or the content of these Construction Documents shall, before beginning the work, be made available to the Contractor for a complete set of Contract Documents, including All Drawings, Specifications, and Addenda, for completeness, conflicts, and omissions. The Contractor shall be responsible for the building. All parties relying on these documents represent and warrant that they have read and understood them and are knowledgeable regarding industry standards, requirements, and practices. The Contractor shall therefore are qualified to fully evaluate and interpret the contract documents. All parties relying on these documents shall be responsible for the building. All requests for clarifications and additional information to the contract documents shall be made in writing. The Architect hereby certifies that the documents are suitable for construction and that the documents are not in specific writing exception beforhand.

Warning: Actual conditions may vary from conditions shown on this drawing. Confirm all information in the field before construction. The Architect is not responsible in writing if a variation is discovered.

This drawing is not to be copied or modified in any way without the written consent of the Architect. Blackney Hayes Architects, All ideas and concepts developed and created by Blackney Hayes Architects are the property of Blackney Hayes Architects.

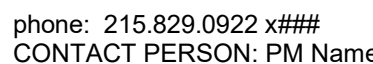
[illegible]

BHA Job Number:	22-114
Scale:	
Drawn By:	BLM
Checked By:	KJF
Approved By:	JRM
Sheet No.	

FP0.00

© Copyright 2022 Blackney Hayes Architects

NOT FOR CONSTRUCTION



**OWNER**  
West Chester Area School District  
phone: 484.266.1281  
**CONTACT PERSON:** Damon Gonzaga

**CIVIL ENGINEER**  
Stantec Consulting Services  
phone: 610.840.2500  
CONTACT PERSON: Charles J. Olivo, PE

**STRUCTURAL ENGINEER**  
Baker, Ingram & Associates  
phone: 856.310.1491  
CONTACT PERSON: Brian D. McGlade, PE

**MEP & FP**  
Snyder Hoffman Associates, Inc  
phone: 610.694.8020  
CONTACT PERSON: Jeff Machik, PE

**Project:**

Mary C. Howse  
Elementary

Project Address:  
641 Boot Road  
West Chester, PA 19380

Sheet Title:

## OVERALL ZONE PLAN - FIRE PROTECTION

Seal

## DUTY TO INSPECT CONTRACT DOCUMENTS PRIOR

**TO STARTING WORK:**  
Any party who relies in part or whole on the content of these Construction Documents shall, before beginning any work, be responsible for fully inspecting the complete set of documents, including all Drawings, Specifications, and Addenda, for completeness, conflicts, omissions, and errors. It is the responsibility of the building All parties relying on these documents represent that they have expertise in the area of their responsibility and are qualified regarding industry standards, applicable requirements and code requirements and therefore are qualified to fully evaluate, interpret and the contract documents. All parties relying on these documents must, prior to beginning work, submit all requests for clarifications and additional information to the architect in writing. It is the responsibility of the architect to verify the documents are suitable for their intended purposes unless noted in specific written exception beforehand.

Warning: Actual conditions may vary from conditions shown on this drawing. Confirm all information in the field before proceeding with any work and notify the Architect in writing if a variation is discovered.

This drawing is not to be copied or transmitted in any form without the express written authorization of Blackney Hayes Architects. All ideas and concepts depicted or suggested in this drawing are the property of Blackney Hayes Architects.

[illegible]

BHA Job Number: 22-114

Scale:  $1/16" = 1'-0"$

Drawn By: BLM

Checked By: KJF

Approved By: JRM

Sheet No.

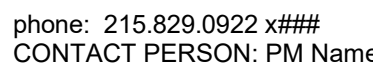
# FP1.01

© Copyright 2022 Blackney Hayes Architects

① **OVERALL ZONE PLAN - FIRE PROTECTION**  
1/16" = 1'-0"

**NOT FOR CONSTRUCTION**





**OWNER**  
West Chester Area School District  
phone: 484.266.1281  
**CONTACT PERSON:** Damon Gonzaga

**CIVIL ENGINEER**  
Stantec Consulting Services  
phone: 610.840.2500  
CONTACT PERSON: Charles J. Olivo, PE

**STRUCTURAL ENGINEER**  
Baker, Ingram & Associates  
phone: 856.310.1491  
CONTACT PERSON: Brian D. McGlade, PE

**MEP & FP**  
Snyder Hoffman Associates, Inc  
phone: 610.694.8020  
CONTACT PERSON: Jeff Machik, PE

**Project:**

Mary C. Howse  
Elementary

Project Address:  
641 Boot Road  
West Chester, PA 19380

Sheet Title:

## FLOOR PLAN - AREA 'A' - FIRE PROTECTION

Seal

DUTY TO INSPECT CONTRACT DOCUMENTS PRIOR

**TO STARTING WORK:**  
Any party who relies in part or whole on the content of these Construction Documents shall, before beginning any work, be responsible for fully inspecting the complete set of documents, including all Drawings, Specifications, and Addenda, for completeness, conflicts, omissions, and errors. It is the responsibility of the building All parties relying on these documents represent that they have expertise in the area of their responsibility and are qualified regarding industry standards, applicable requirements and code, and are competent and therefore are qualified to fully understand and interpret the contract documents. All parties relying on these documents must, prior to beginning work, submit all requests for clarifications and additional information to the architect in writing. It is the responsibility of the architect to hereby certify that the documents are suitable for their intended purposes unless noted in specific written exception beforehand.

Warning: Actual conditions may vary from conditions shown on this drawing. Confirm all information in the field before proceeding with any work and notify the Architect in writing if a variation is discovered.

This drawing is not to be copied or transmitted in any form without the express written authorization of Blackney Hayes Architects. All ideas and concepts depicted or suggested in this drawing are the property of Blackney Hayes Architects.

[illegible]

BHA Job Number: 22-114

Scale: As indicated

Drawn By: BLM/RAP

Checked By: KJF

Approved By: JRM

Sheet No

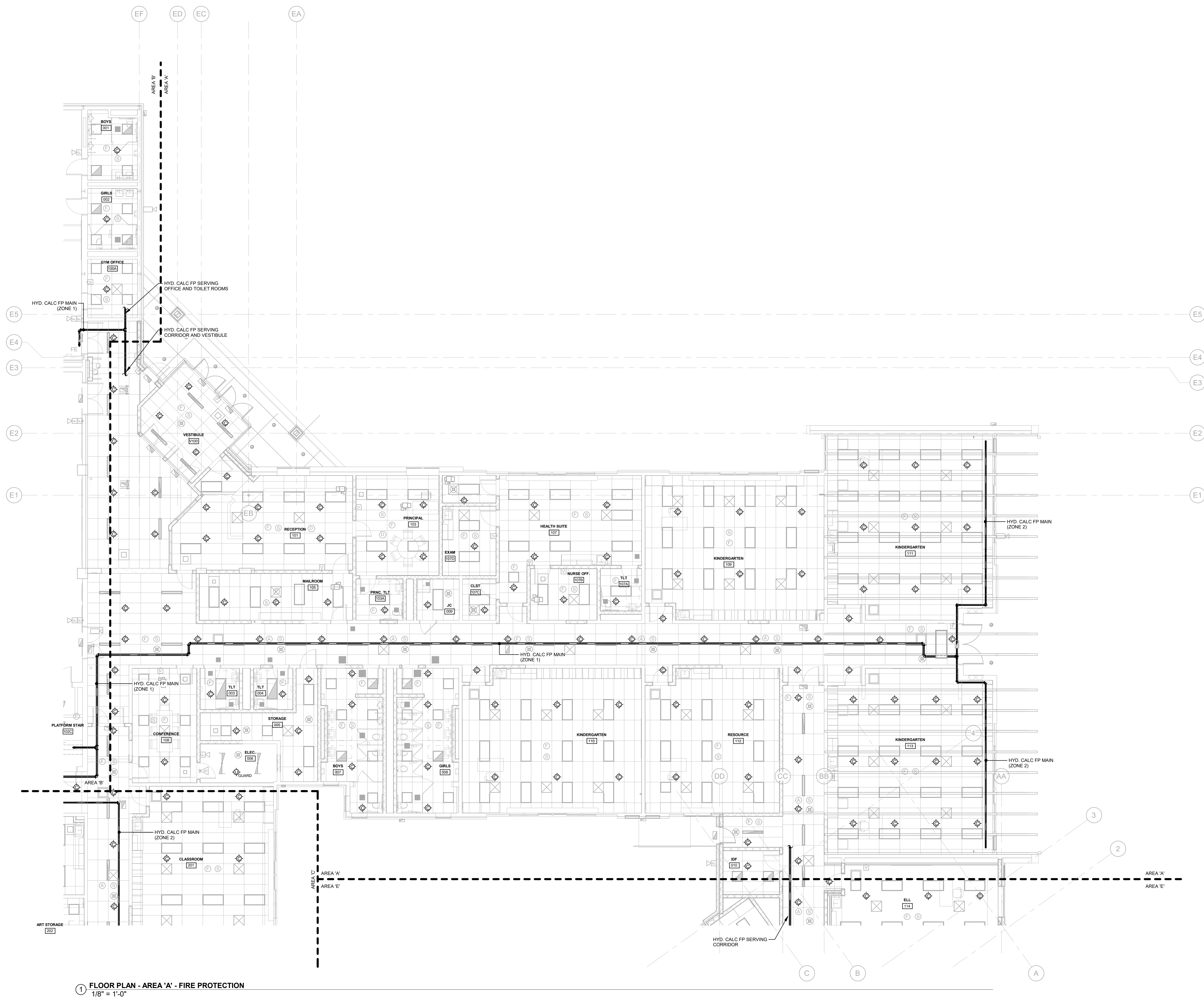
—

**L**

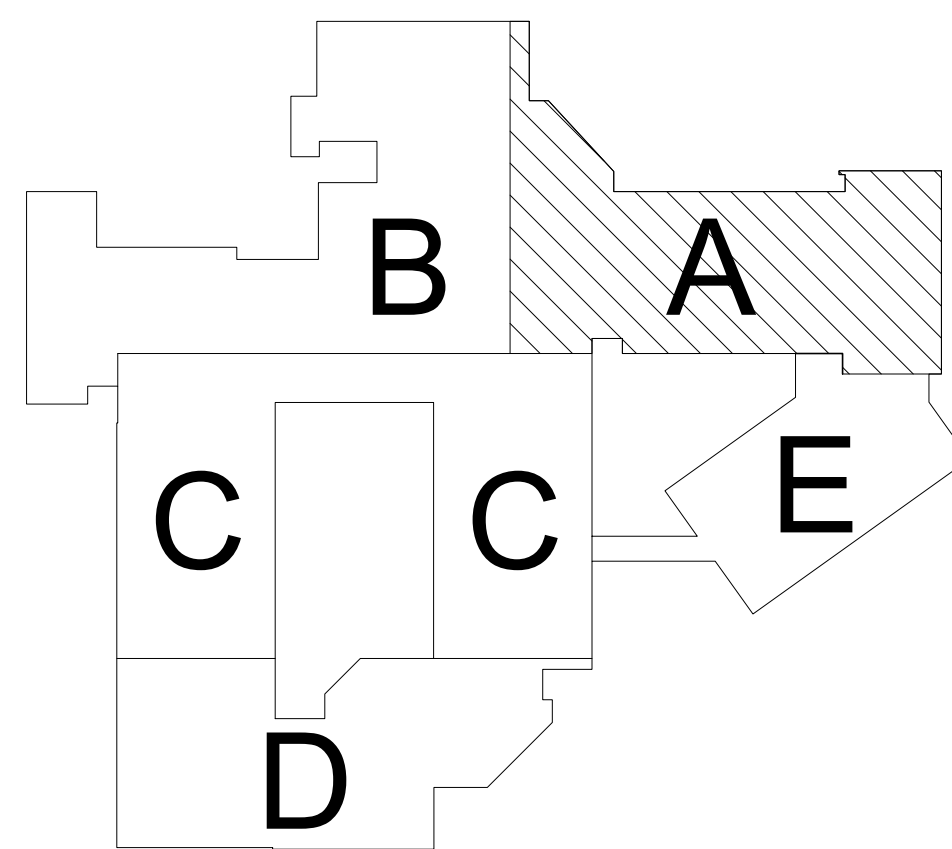
© Copyright 2022 Blackney Hayes Architect

**NOT FOR CONSTRUCTION**

# FP2.01A



① FLOOR PLAN - AREA 'A' - FIRE PROTECTION  
1/8" = 1'-0"







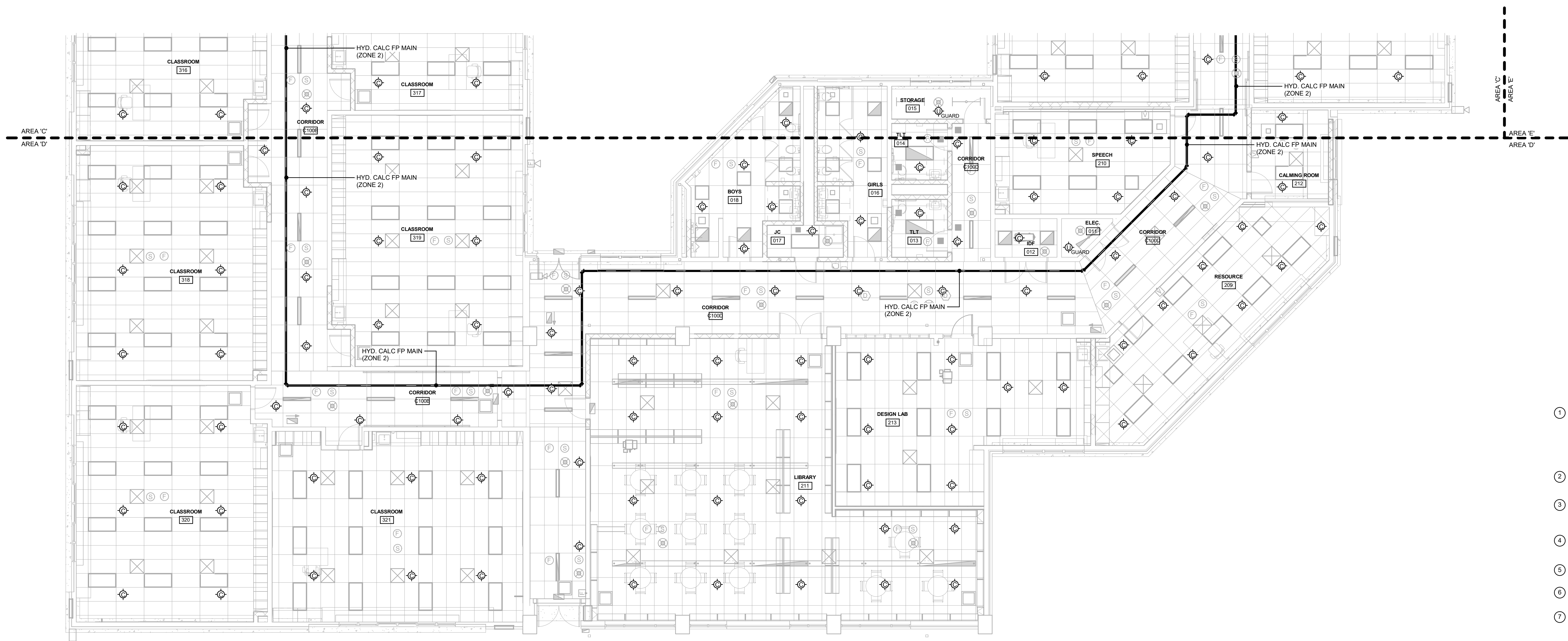




**OWNER**  
West Chester Area School District  
phone: 484.266.1281  
**CONTACT PERSON:** Damon Gonzaga

**STRUCTURAL ENGINEER**  
Baker, Ingram & Associates  
phone: 856.310.1491  
CONTACT PERSON: Brian D. McGlade, PE

**MEP & FP**  
Snyder Hoffman Associates, Inc.  
phone: 610.694.8020  
CONTACT PERSON: Jeff Mach



- 1 **FIRE PROTECTION DRAWING NOTES:**
- 2 DISCONNECT & REMOVE EXISTING SPRINKLER HEADS AND ASSOCIATED BRANCH PIPING AND MAINS BACK TO LIMIT OF REMOVAL AT MAINLINE DIS. CONTRACTOR HAS THE OPTION TO REUSE EXISTING FIRE PROTECTION MAINS WHERE POSSIBLE IF THE MAINS ARE IN GOOD CONDITION AND DO NOT WORK AT OTHER TRADES. VERIFY EXACT CONDITIONS IN FIELD AND COORDINATE ALL SHUTDOWNS WITH THE OWNER INCLUDING FIRE DEPARTMENT.
- 3 EXISTING SPRINKLER HEADS TO BE REPLACED. EXISTING PIPING TO REMAIN WHERE POSSIBLE. EXACT SCOPE OF WORK WILL BE DETERMINED IN DESIGN DEVELOPMENT.
- 4 EXISTING SPRINKLER HEADS TO BE REPLACED IN MECHANICAL ROOMS ABOVE. EXISTING PIPING TO REMAIN WHERE POSSIBLE. EXACT SCOPE OF WORK WILL BE DETERMINED IN DESIGN DEVELOPMENT.
- 5 PROVIDE CONCEALED SPRINKLER HEADS AND ASSOCIATED PIPING FOR NEW ADDITION. EXTEND PIPING TO ZONE #2 FIRE PROTECTION MAIN.
- 6 PROVIDE UNDER STAGE SPRINKLERS IN ACCORDANCE WITH NFPA 13 INSTALLATION SHALL BE SIMILAR TO EXISTING.
- 7 FIRE PROTECTION PIPING IN CAFETERIA TO BE SLOPED WITH UPSTREAM MINIMUM 1/8" PER FOOT. SLOPE TOP OF CURB SPRINKLER HEADS AND BOTTOM OF STEEL.
- 8 CONCEALED SPRINKLER HEADS TO BE PLACED IN THE CLOSET TILES AT SERVING AREA OF KITCHEN (BELOW CAFETERIA). REFER TO MECHANICAL PLAN.

**RIGHT TO INSPECT CONTRACT DOCUMENTS PRIOR TO STARTING WORK:**

Any party who relies in part or whole on the content of these Construction Documents shall, before beginning work, be given the opportunity to inspect the content of Contract Documents, including all Drawings, Specifications, and Addenda, for completeness, conflicts, omissions, and errors. The parties to the contract represent that they have expertise in the area of their responsibility and are knowledgeable regarding industry standards, product requirements and code requirements and shall therefore accept, fully review and interpret the contract documents. All parties relying on the contract documents must, prior to beginning work, submit all requests for clarifications and additional information to the Architect in writing. All parties who begin work without a certified copy of the documents are doing so at their intended purposes unless noted in specific written exception beforehand.

Warning: Actual conditions may vary from conditions shown on this drawing. Confirm all information in the field before proceeding with any work and notify the Architect in writing if a variation is discovered.

This drawing is not to be copied or transmitted in any form without the express written authorization of Blackney Hayes Architects. All ideas and concepts depicted or suggested in this drawing are the property of Blackney Hayes Architects.

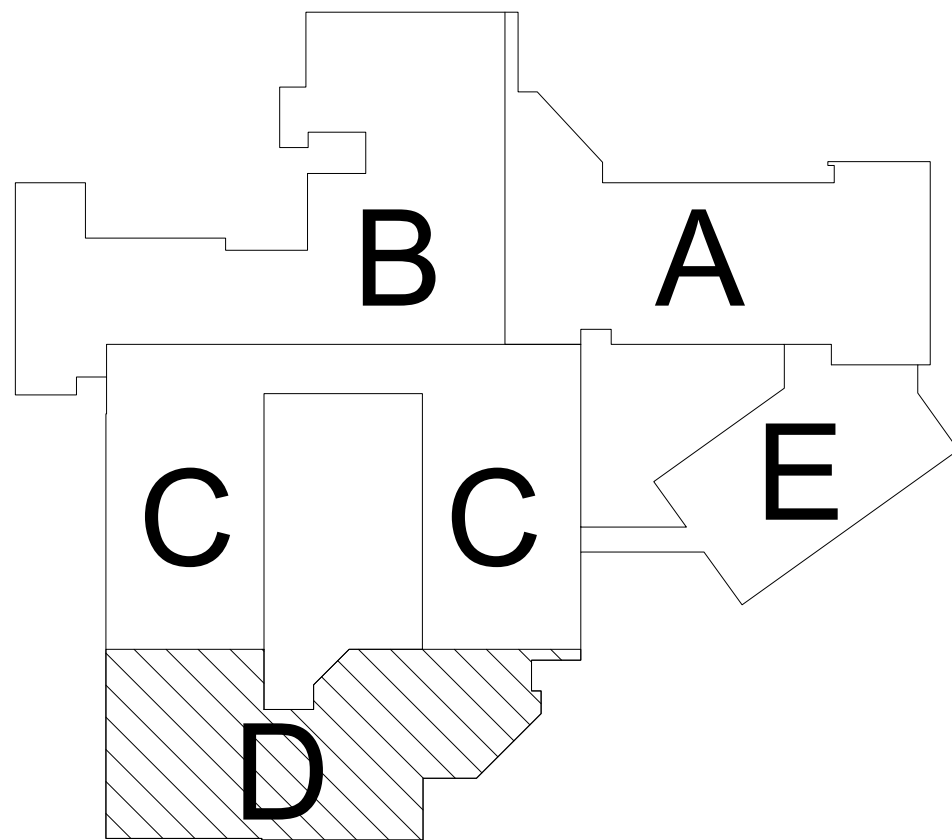
[illegible]

BHA Job Number:	22-114
Scale:	As indicated
Drawn By:	BLM/RAP
Checked By:	KJF
Approved By:	JRM
Sheet No.	

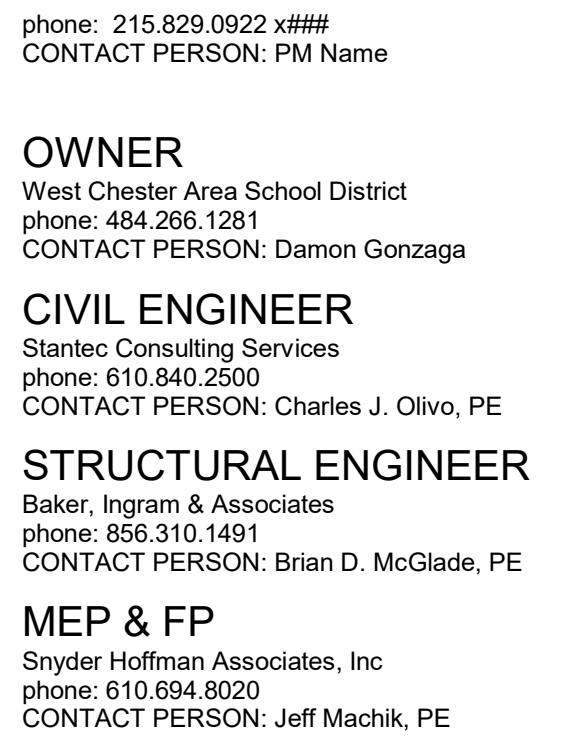
# FP2.01D

© Copyright 2022 Blackney Hayes Architect

① FLOOR PLAN - AREA 'D' - FIRE PROTECTION  
1/8" = 1'-0"



**NOT FOR CONSTRUCTION**



Project Address:  
641 Boot Road  
West Chester, PA 19380

## Seal

**DUTY TO INSPECT CONTRACT DOCUMENTS PRIOR TO STARTING WORK:**  
Any party who relies in part or whole on the content of these Construction Documents shall, before beginning any work, be responsible for fully inspecting the complete set of the Contract Documents, including the Drawings, Specifications, and Addenda, for completeness, conflicts, scope of work, and suitability for constructing the building. All parties relying on these documents represent and warrant that they have read and understood them and are knowledgeable regarding industry standards, product requirements and code requirements and therefore are qualified to fully evaluate and interpret the Contract Documents. In the absence of such representation, documents must, prior to beginning work, submit all requests for clarifications and additional information to the Architect in writing. **All parties who begin work must certify in writing that they have read and understood their intended purposes unless noted in specific written exception beforehand.**

Warning: Actual conditions may vary from conditions shown on this drawing. Confirm all information in the field before proceeding with any work and notify the Architect in writing if a variation is discovered.

This drawing is not to be copied or transmitted in any form without the express written authorization of Blackney Hayes Architects. All ideas and concepts depicted or suggested in this drawing are the property of Blackney Hayes Architects.

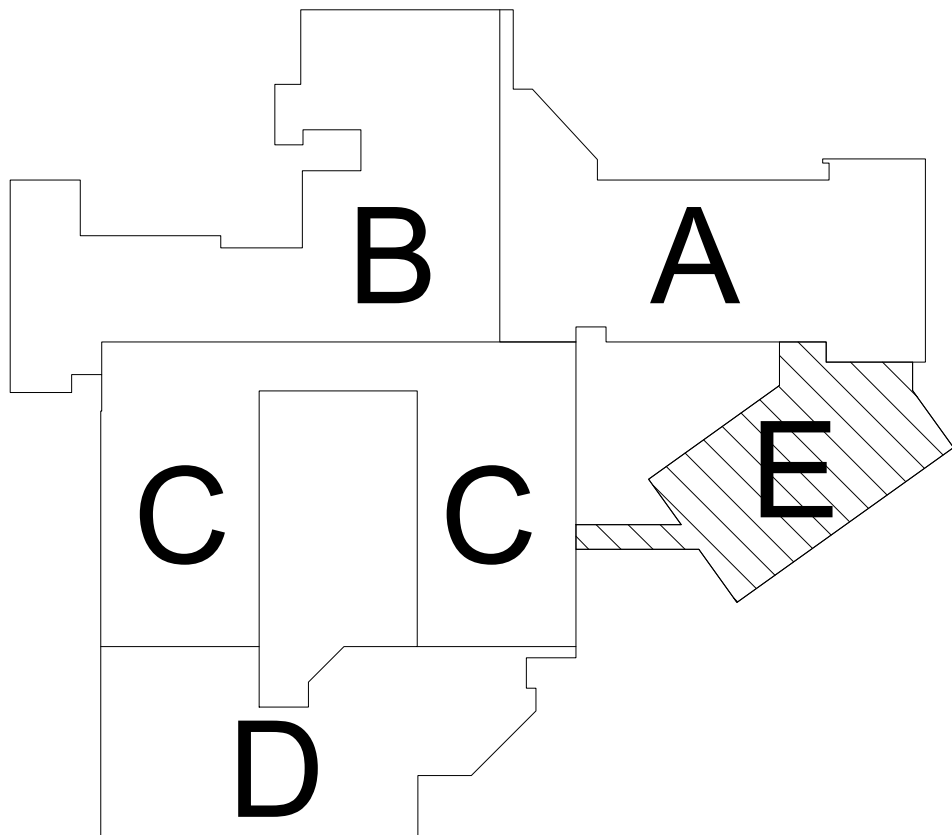
[illegible]

BHA Job Number:	22-114
Scale:	As indicated
Drawn By:	BLM/RAP
Checked By:	KJF
Approved By:	JRM
Sheet No.	

Sheet No.

# FP2.01E

© Copyright 2022 Blackney Hayes Architects



**NOT FOR CONSTRUCTION**



① **DEMOLITON PLAN - FIRE PROTECTION**  
1/16" = 1'-0"

DISCONNECT & REMOVE EXISTING SPRINKLER HEADS (INCLUDING SPRINKLER HEADS UNDER ALL DUCTWORK) SPRINKLER MAINS AND ASSOCIATED SLOPED BRANCH PIPING WITHIN CAFETERIA.
DISCONNECT & REMOVE EXISTING SPRINKLER HEADS (INCLUDING SPRINKLER HEADS UNDER ALL DUCTWORK) SPRINKLER MAINS AND ASSOCIATED BRANCH PIPING BELOW STAGE SPRINKLER SYSTEM.
DISCONNECT & REMOVE EXISTING SPRINKLER HEADS (INCLUDING SPRINKLER HEADS UNDER ALL DUCTWORK AND MEZZANINE) SPRINKLER MAINS AND ASSOCIATED BRANCH PIPING WITHIN GYMNASIUM.
DISCONNECT & REMOVE EXISTING SPRINKLER HEADS (ABOVE AND BELOW CEILING) SPRINKLER MAINS AND ASSOCIATED BRANCH PIPING WITHIN CLASSROOM.
DISCONNECT & REMOVE EXISTING SPRINKLER HEADS (INCLUDING SLOPED BRANCH PIPING WITHIN KITCHEN).

[illegible]

BHA Job Number:	22-114
Scale:	As indicated
Drawn By:	BLM/RAP
Checked By:	KJF
Approved By:	JRM
Sheet No.	

# EPD1.0