

PHOTO A - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel



PHOTO B - BASEMENT EXPOSED CEILING
Exposed Ceiling In The Basement

KEY NOTES (SYMBOLS ①, ②, ETC.)

KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS

- 1a. Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
- 1b. Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
- 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
3. Terminate Fiber Within New Cable Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cable Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
6. Route Fiber Conduit As Close To The Existing Ceiling As Possible.
7. Location Of Admin Splice Cabinet.
8. Coordinate With TCNJ IT Department For Cable Removal For This Building. The Intent Is To Remove The Existing Fiber Cable And To Replace With A Higher Capacity Cable Between Admin Splice To Admin, Admin Splice To Soccer Press Box, Admin Splice To Metzger Garage And Admin To Fire Pump.

GENERAL NOTES

1. The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
2. New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
3. All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions.
5. All Work And Materials Shall Be New Unless Otherwise Noted.
6. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Cable Runs Noted In Plans.
7. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.
8. A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

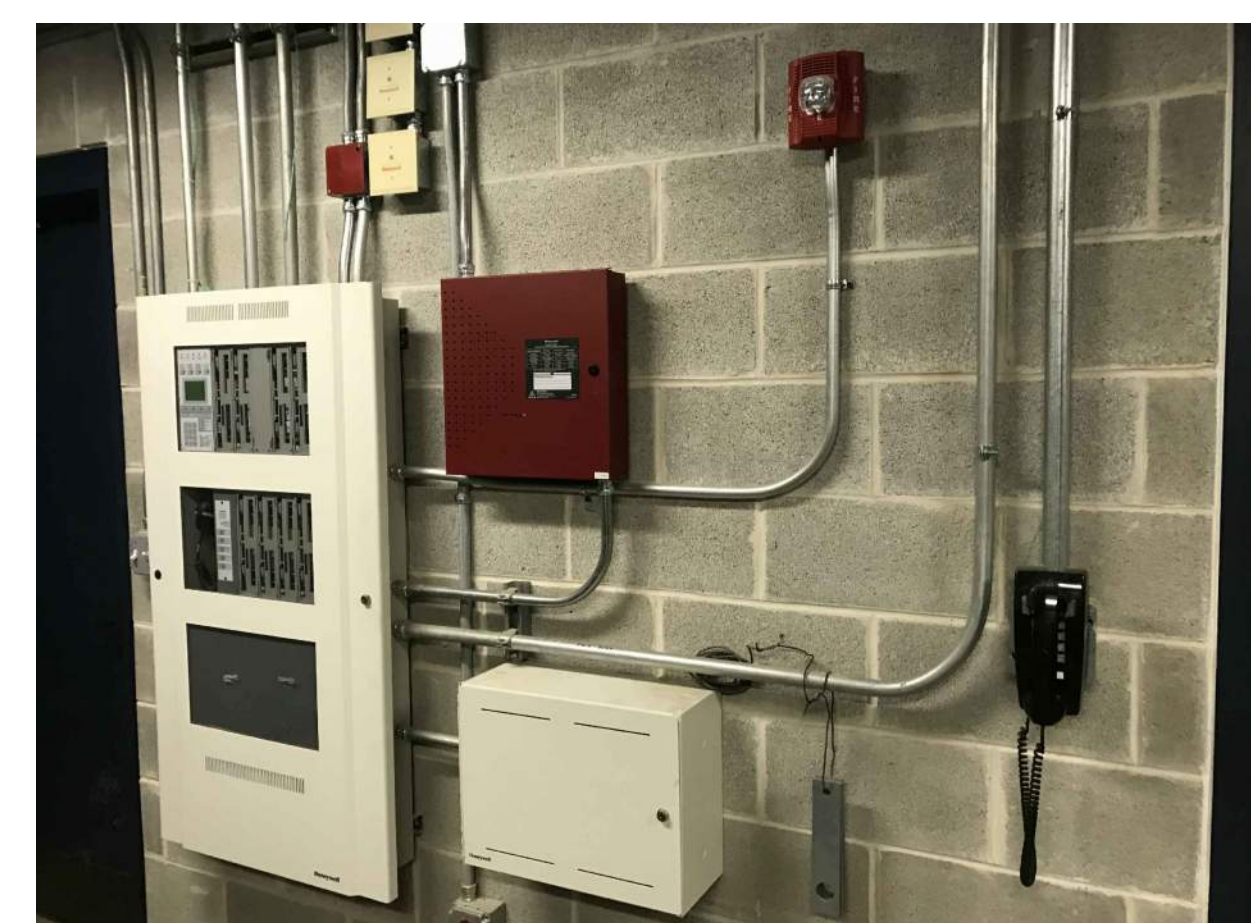
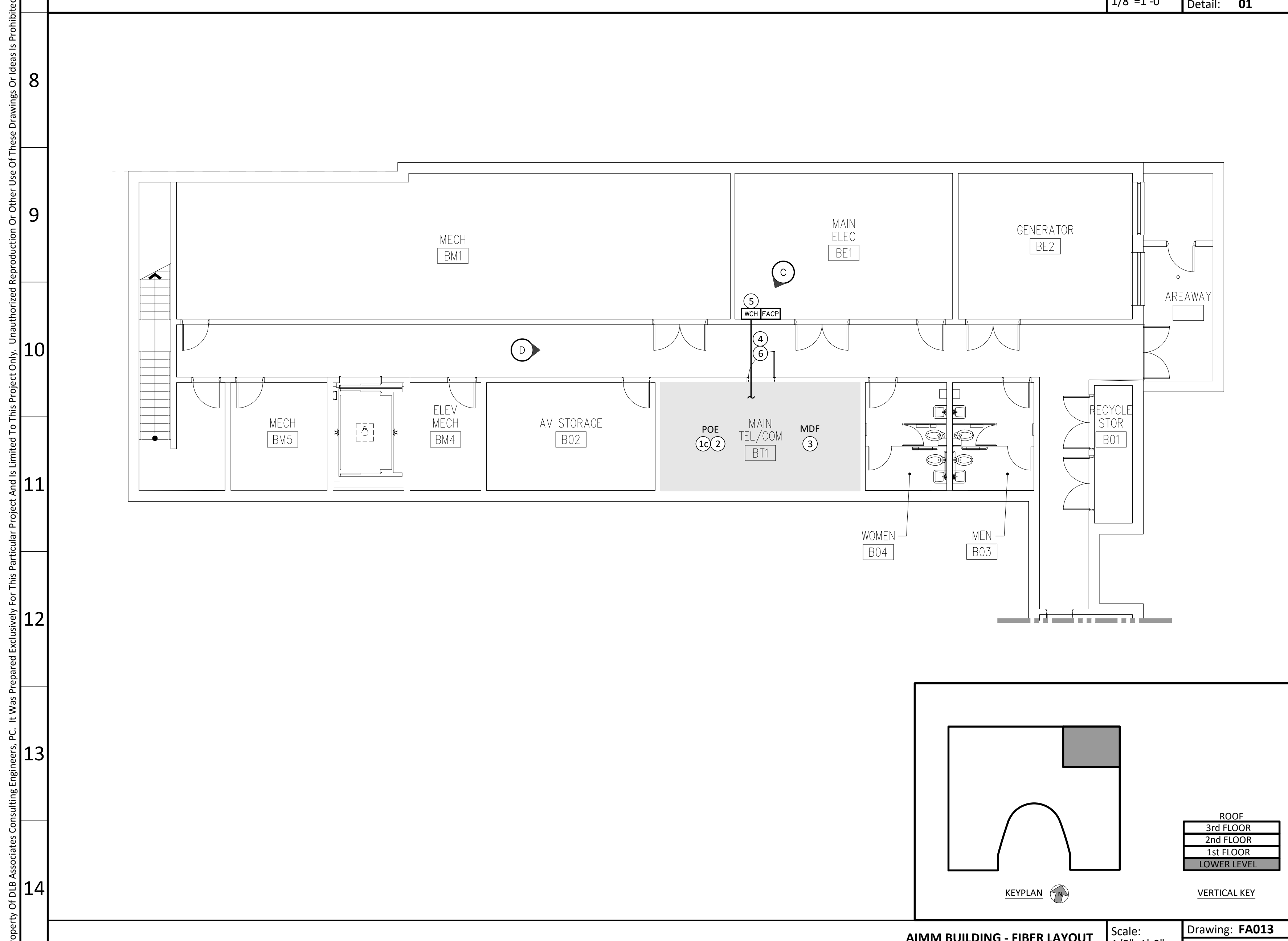


PHOTO C - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel In Basement Electrical Room

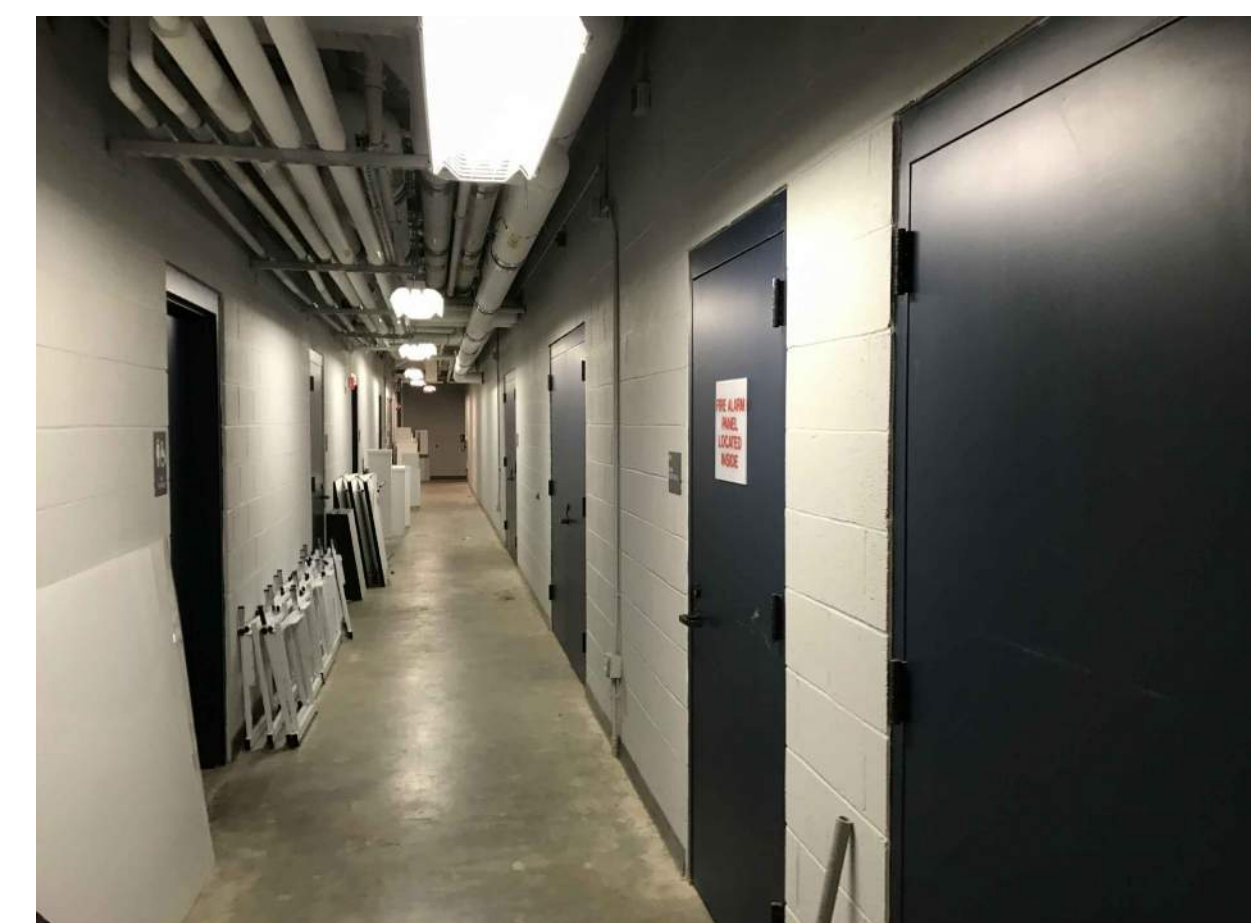
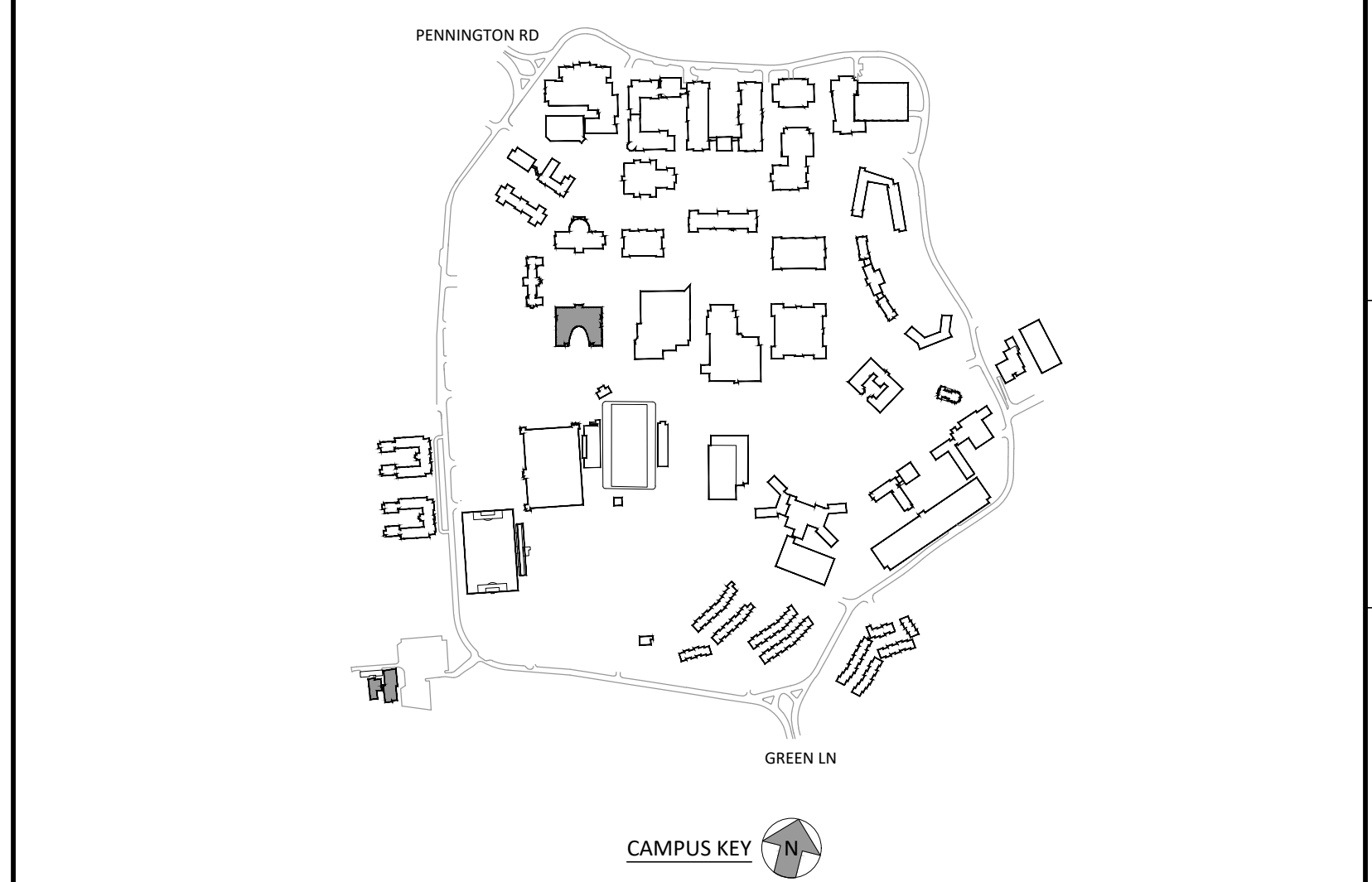


PHOTO D - CORRIDOR CEILING
Conduit Above Open Ceiling In Basement

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
 CONSULTING ENGINEERS, P.C.
 265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
 2000 PENNINGTON ROAD,
 EWING NJ, 08618

title
 INTERIOR FIBER ROUTING
 ADMIN SERVICE BUILDING & AIMM BUILDING
 FIRE ALARM

scale AS SHOWN
 drawn by AM
 checked by SG
 date 09/18/2019

dwg. no.
FA013

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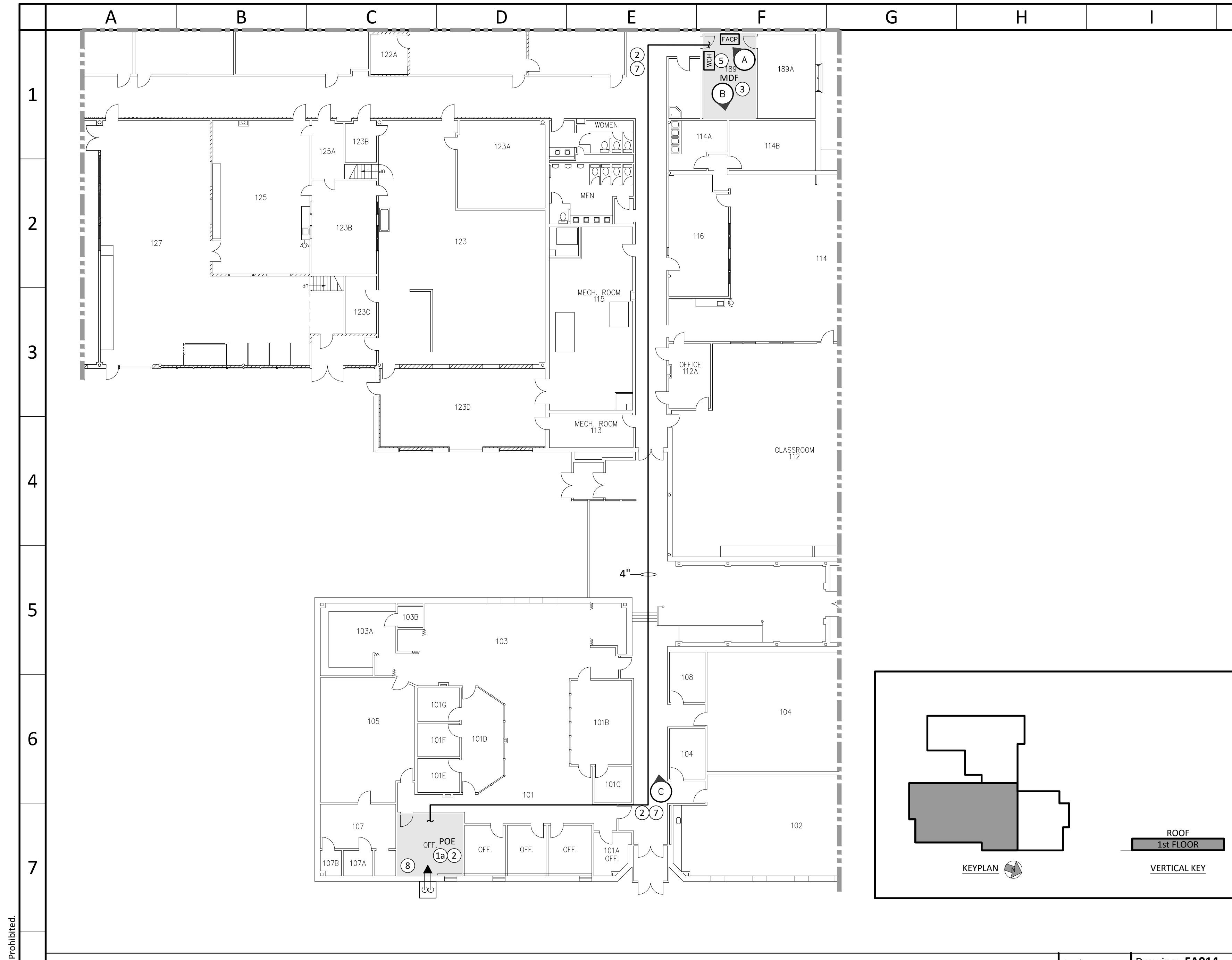


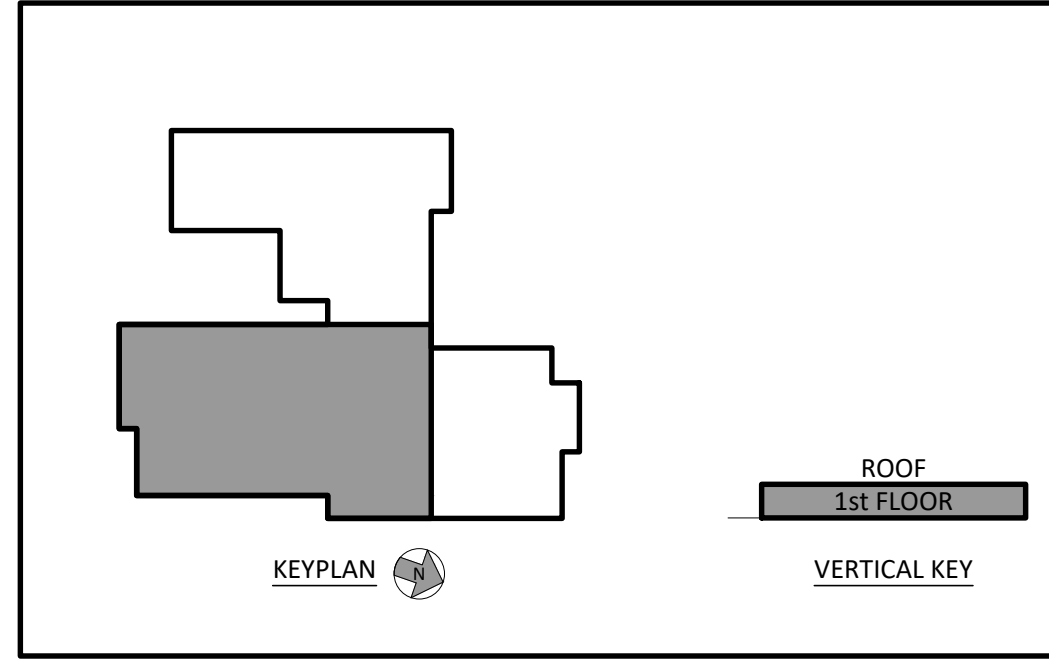
PHOTO A - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel



PHOTO B - EXISTING MDF ROOM
Existing MDF in First Floor Electrical Room



PHOTO C - EXISTING DROP CEILING
Route Fiber Pathway Above Existing Drop Ceilings With The Corridor



ARMSTRONG HALL - FIBER LAYOUT Scale: 1/16"=1'-0" Drawing: FA014 Detail: 01

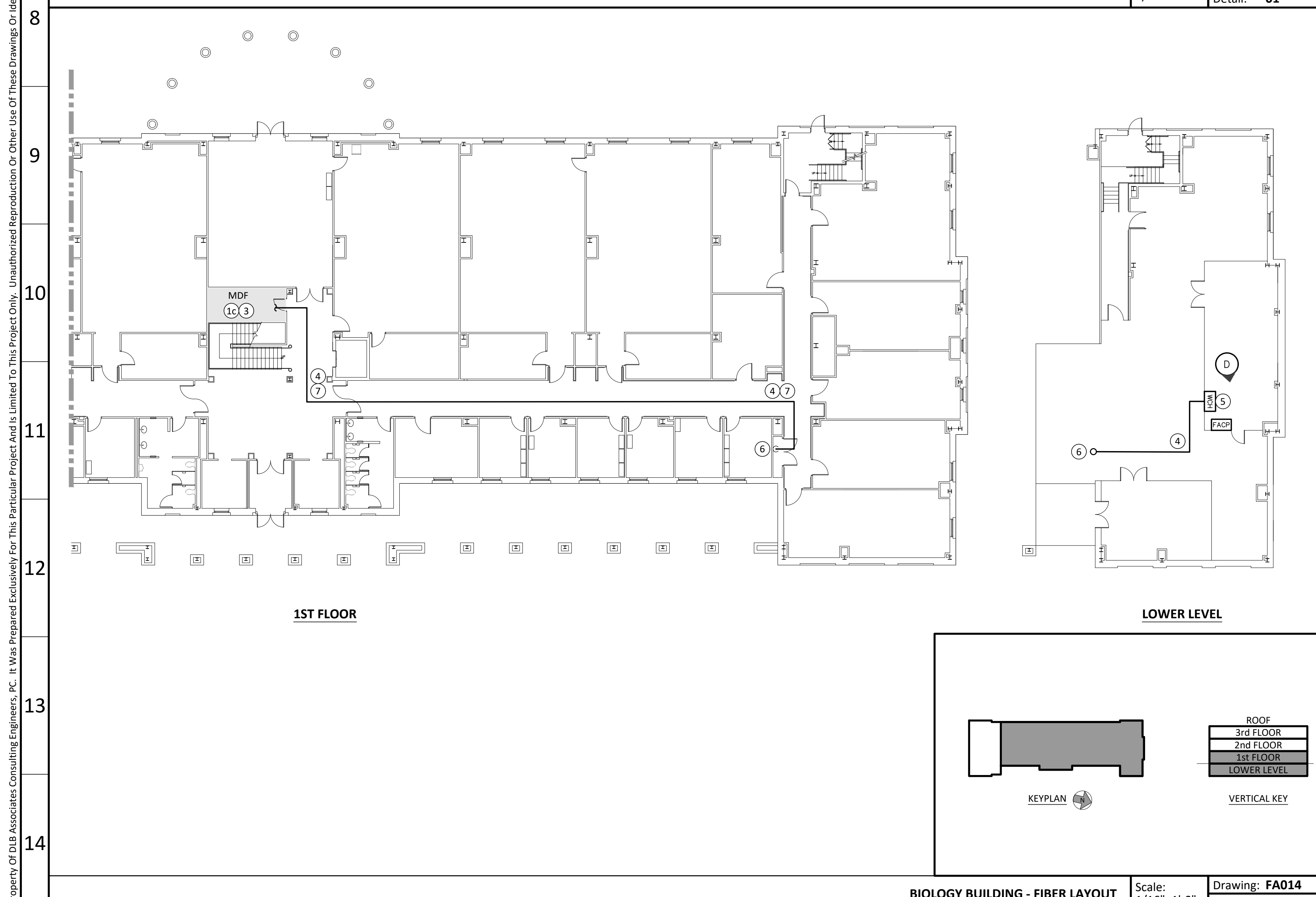
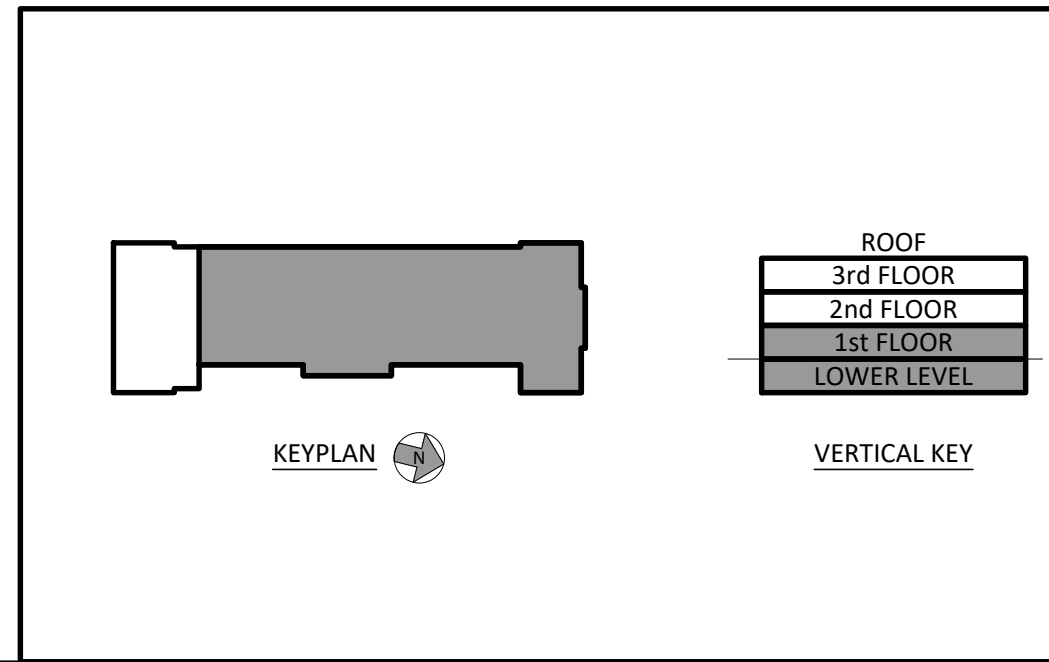


PHOTO D - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel



BUILDING CEILINGS
Drop Ceilings Located Throughout The Building. Route Fiber Pathway Above Existing Drop Ceilings



BIOLOGY BUILDING - FIBER LAYOUT Scale: 1/16"=1'-0" Drawing: FA014 Detail: 02

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
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 - Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 - Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
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 - Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cable Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - Core Drill All Floor Penetrations To Route Fiber From MDF On First Floor To Wall Mounted Connector Housing (WCH) In Basement. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 - Route Fiber Pathway Above Drop Ceiling Where Possible.
 - Route Exterior Fiber From Underground Conduit Up The Side Of The Building To Enclosed Weatherproof 24"W x 30"H x 18"D Pullbox. Route From The Pullbox Up The Exterior Of The Building And Into The Interior Space Above Ceiling Line.
- GENERAL NOTES**
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PARTIAL SYMBOLS & ABBREVIATIONS

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	New Fiber Pathway	FACP	Fire Alarm Control Panel
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	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



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30x42	1	09/18/19	ISSUED FOR BID	ITEM	DATE	ISSUE DESCRIPTION

dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724
Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
INTERIOR FIBER ROUTING
ARMSTRONG HALL & BIOLOGY BUILDING
FIRE ALARM
scale AS SHOWN drawn by AM checked by SG date 09/18/2019
dwg. no. **FA014**

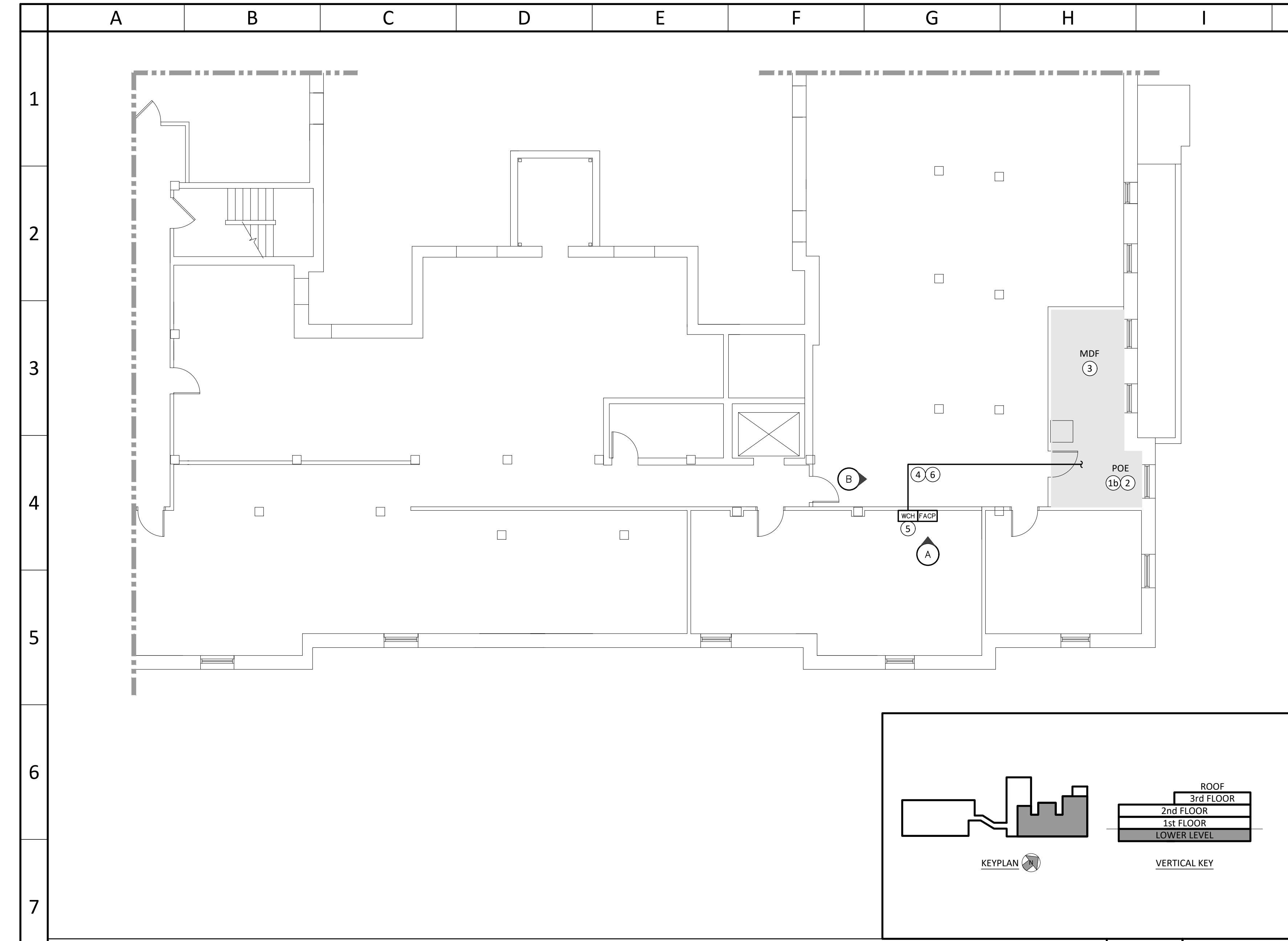


PHOTO A - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel

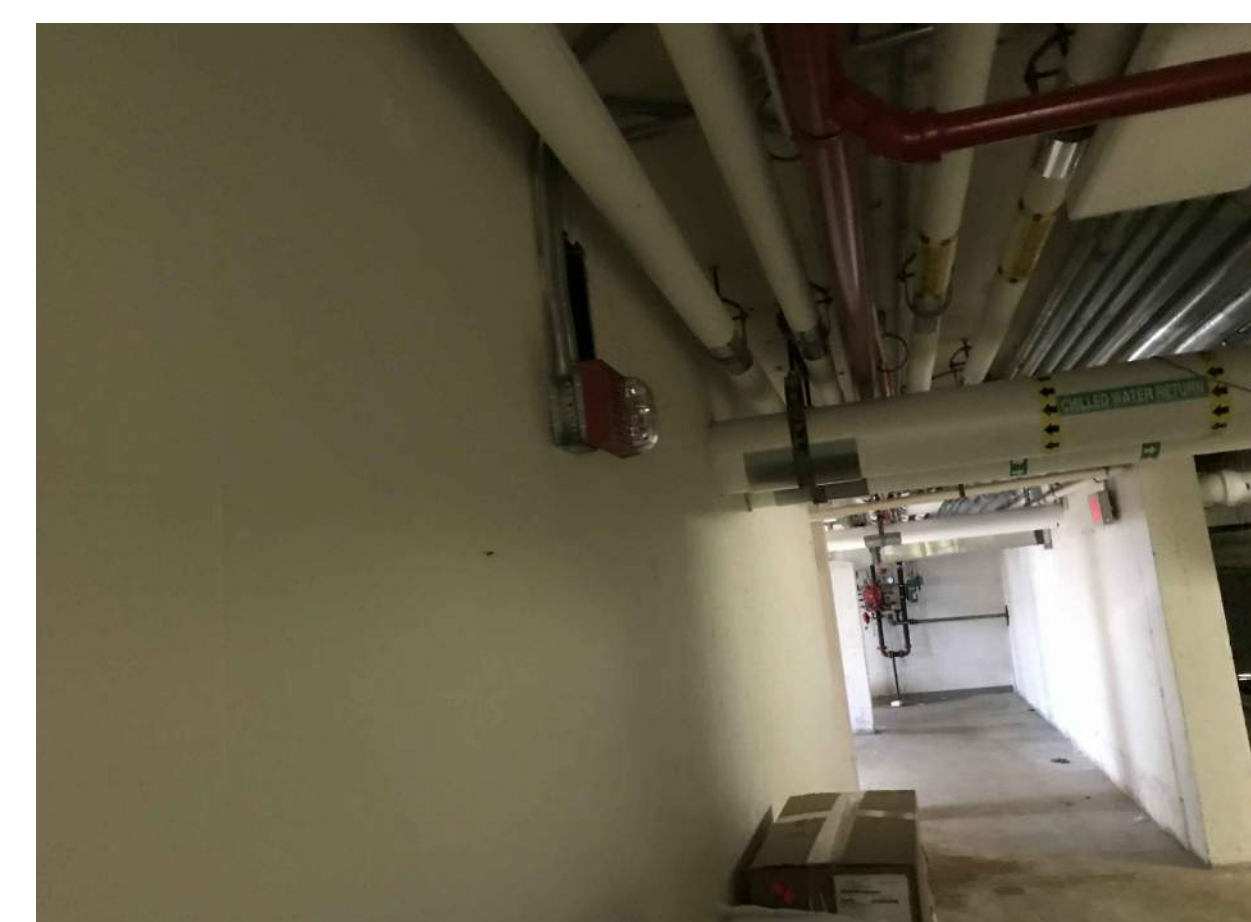


PHOTO B - LOWER LEVEL CEILINGS
Route Fiber As High As Possible Within Open Ceiling Of The Corridor

KEY NOTES (SYMBOLS ①, ②, ETC.)

KEYNOTES 1 THRU 7 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS

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- 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
3. Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
6. Route Fiber Conduit As Close To The Existing Ceiling As Possible.
7. Core Drill All Floor Penetrations To Route Fiber From MDF On First Floor To Wall Mounted Connector Housing (WCH) In Basement. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.

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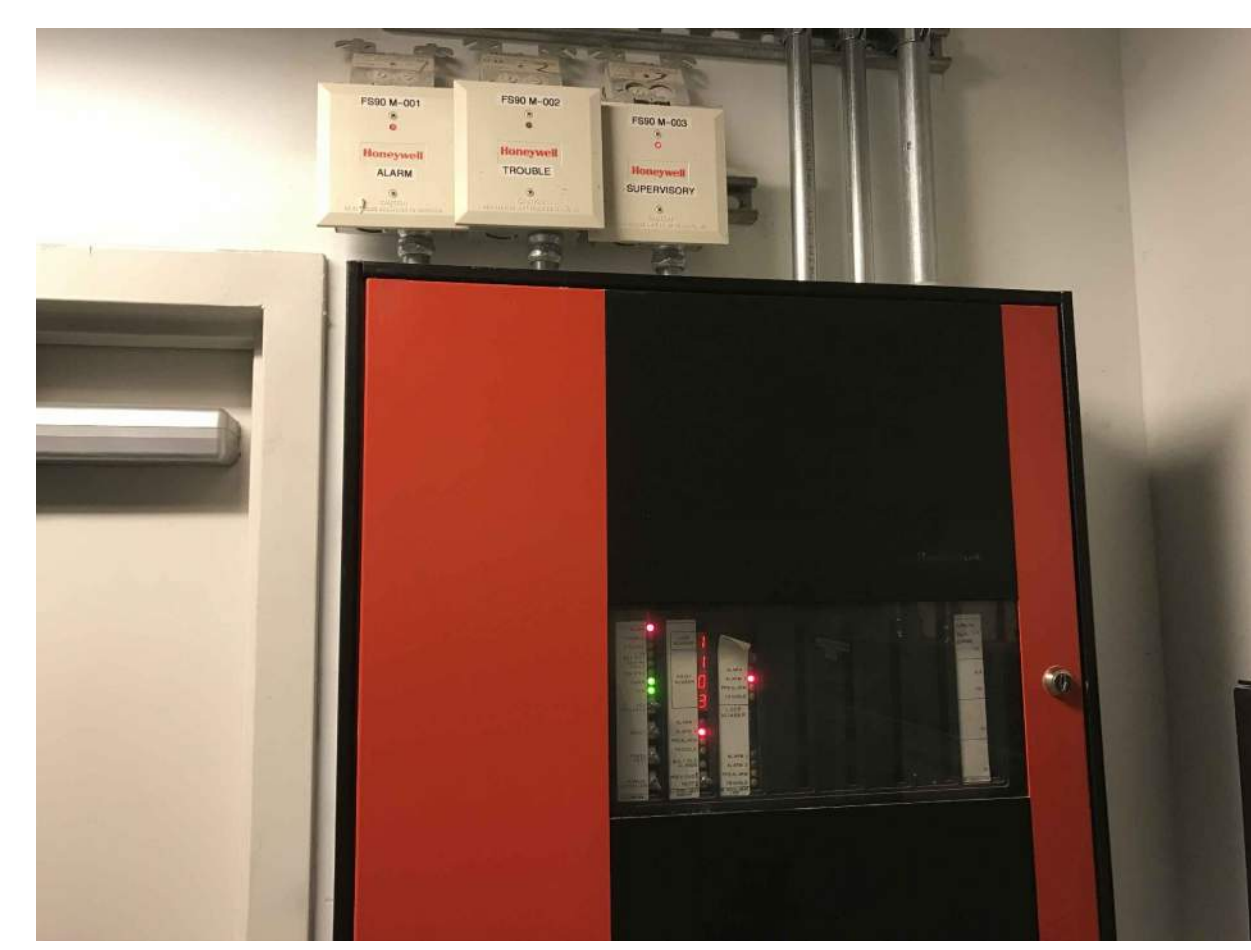
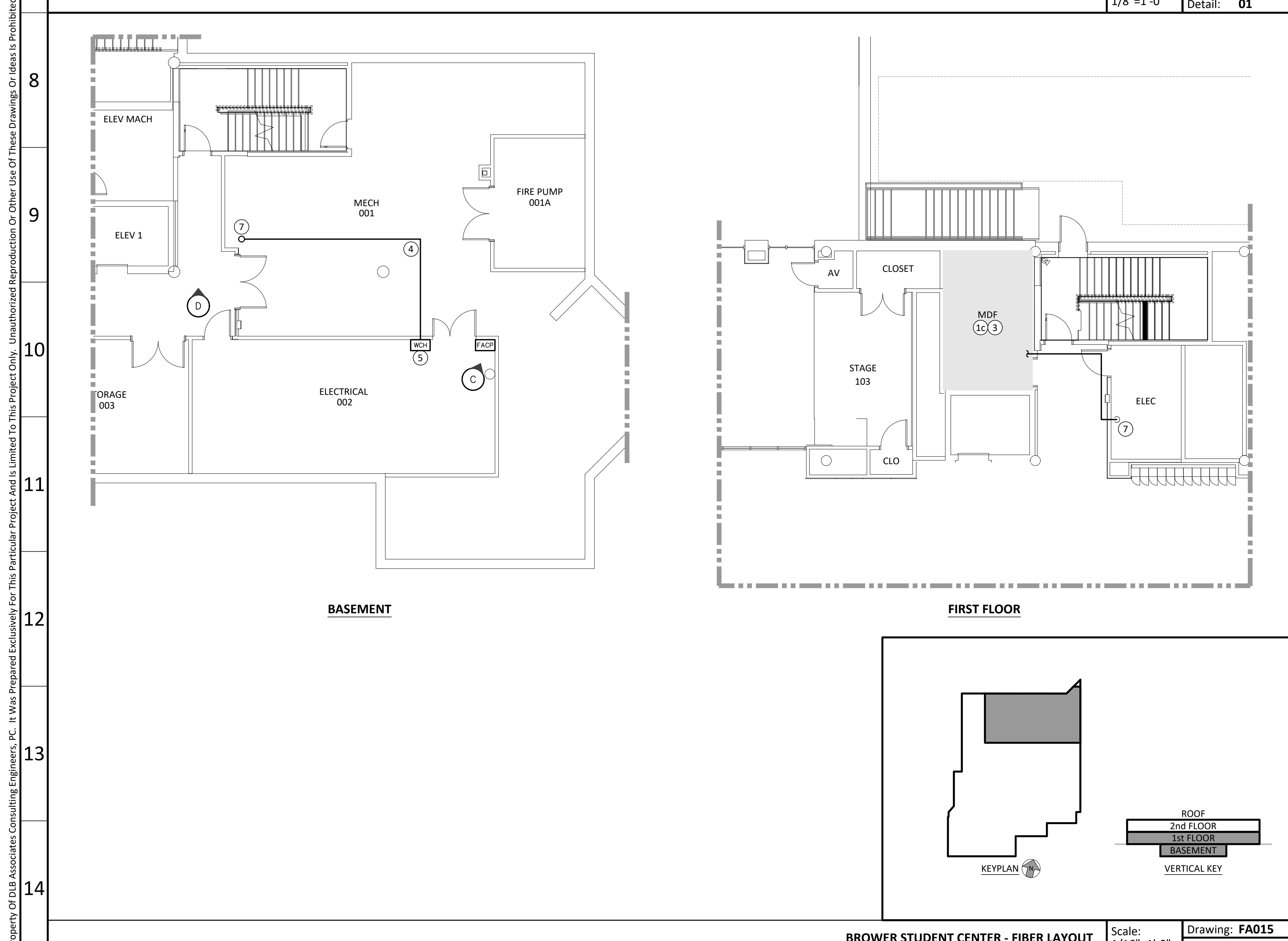


PHOTO C - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel

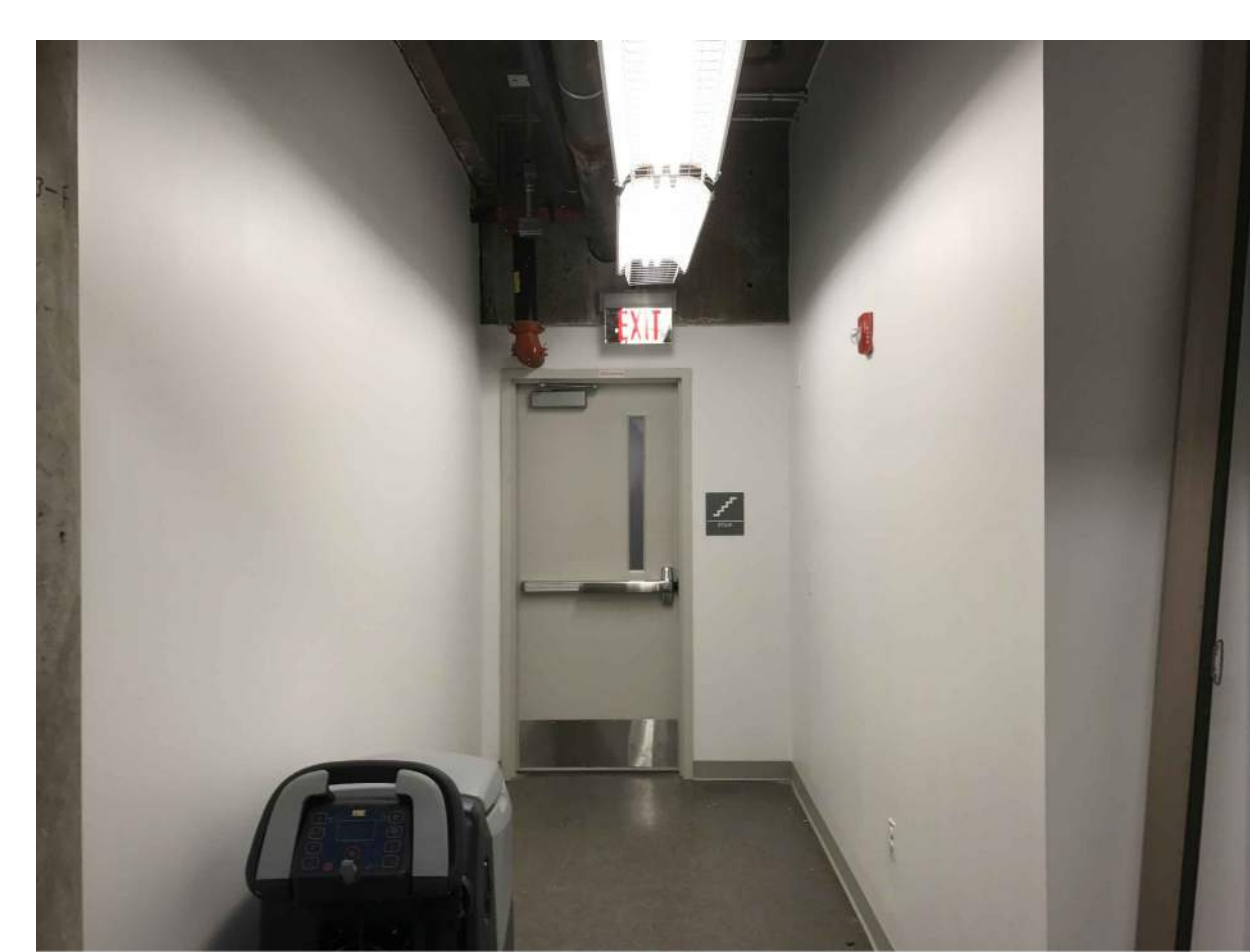


PHOTO D - EXISTING CORRIDOR
Route Fiber As High As Possible Within Open Ceiling Of The Corridor

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
→	New Fiber Pathway	FACP	Fire Alarm Control Panel
⊙	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
⊙	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
FACP	Fire Alarm Control Panel		
WCH	Wall Mounted Connector Housing		
RACK	IT Rack		
⊙	Photo Identification Tag		
→	Connect To Existing		
□	MDF / POE		

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dlb associates
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 265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
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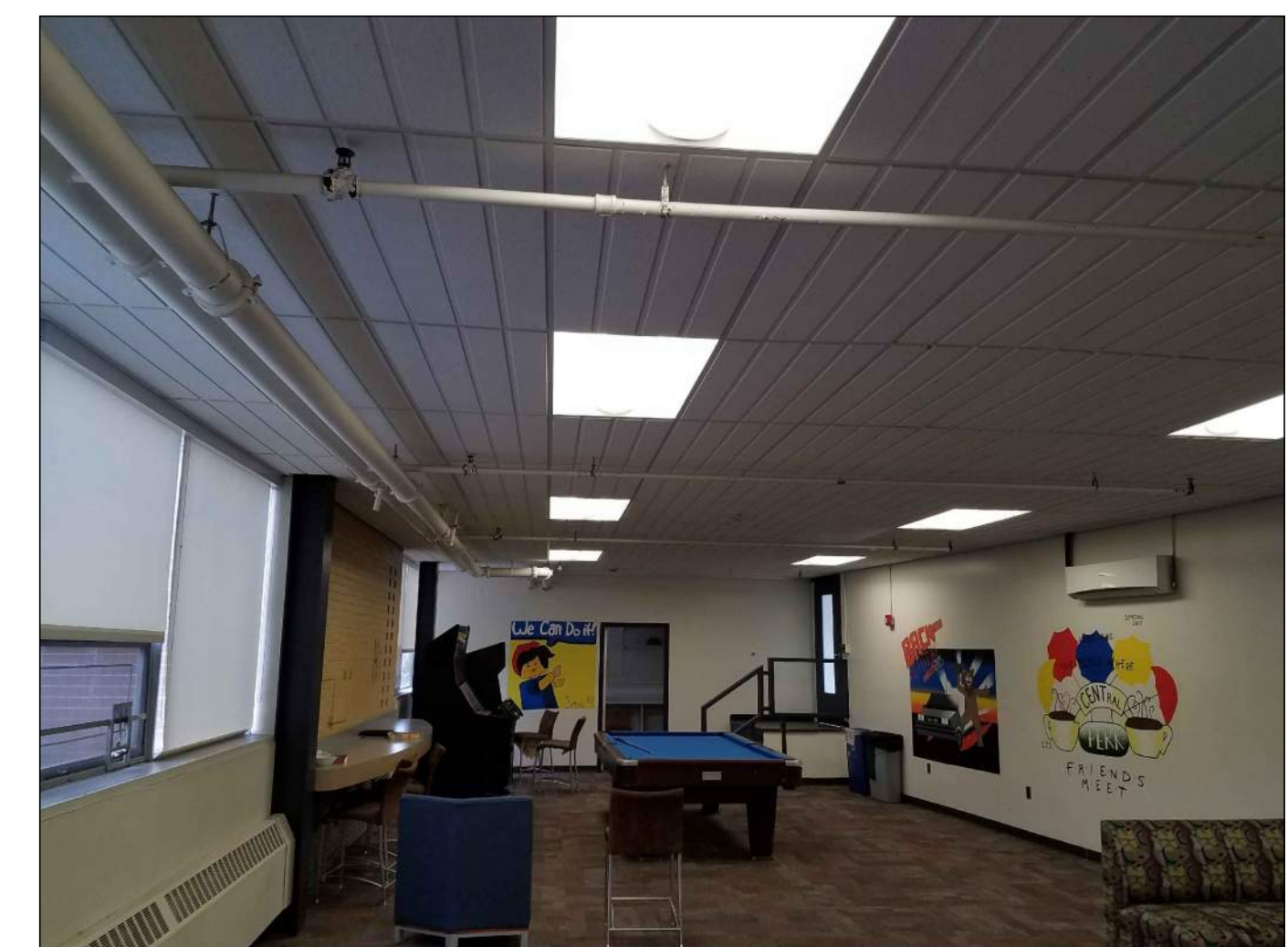
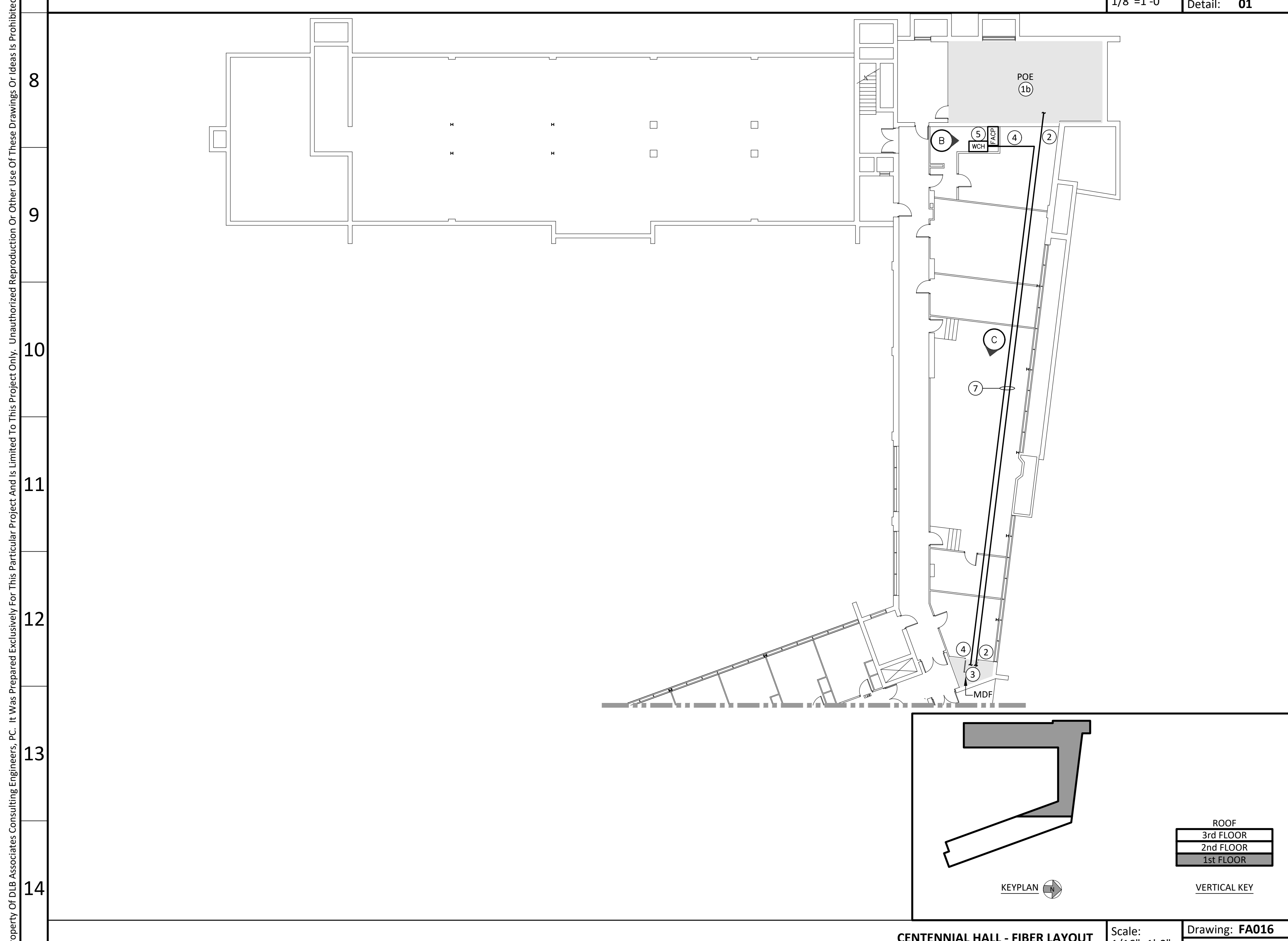
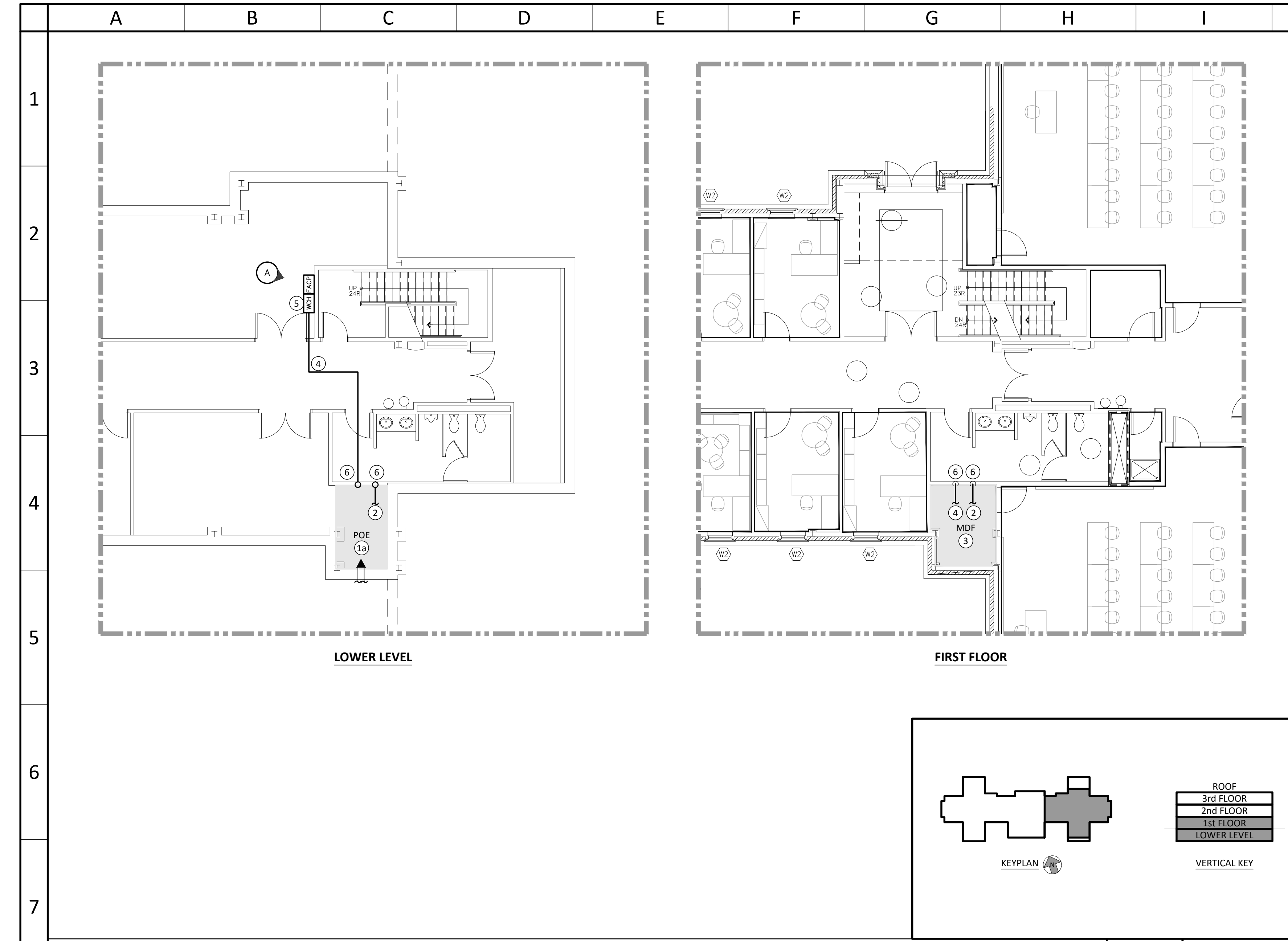
title
 INTERIOR FIBER ROUTING
 BLISS HALL & BROWER STUDENT CENTER
 FIRE ALARM

scale AS SHOWN
 drawn by AM
 checked by SG
 date 09/18/2019

dwg. no.
FA015

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KEY NOTES (SYMBOLS ①, ②, ETC.)

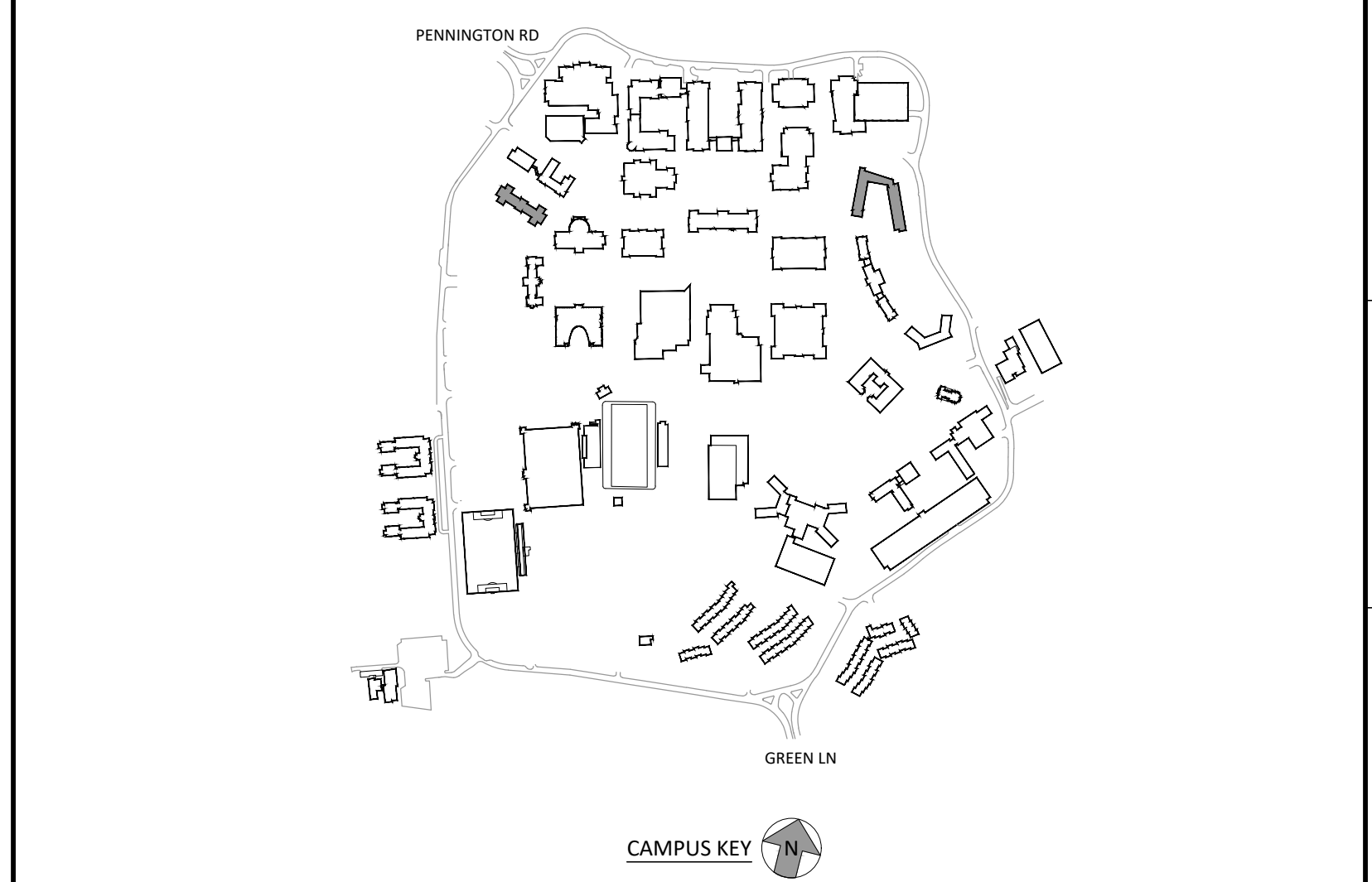
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 - 1b. Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
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 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Core Drill All Floor Penetrations To Route Fiber From Point Of Entry On Lower Level To Main Distribution Frame (MDF) On First Floor. Route From MDF To Wall Mounted Connector Housing (WCH) In Lower Level Storage Room. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 7. Route Fiber Conduit As Close To The Existing Ceiling As Possible.

GENERAL NOTES

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PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
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	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



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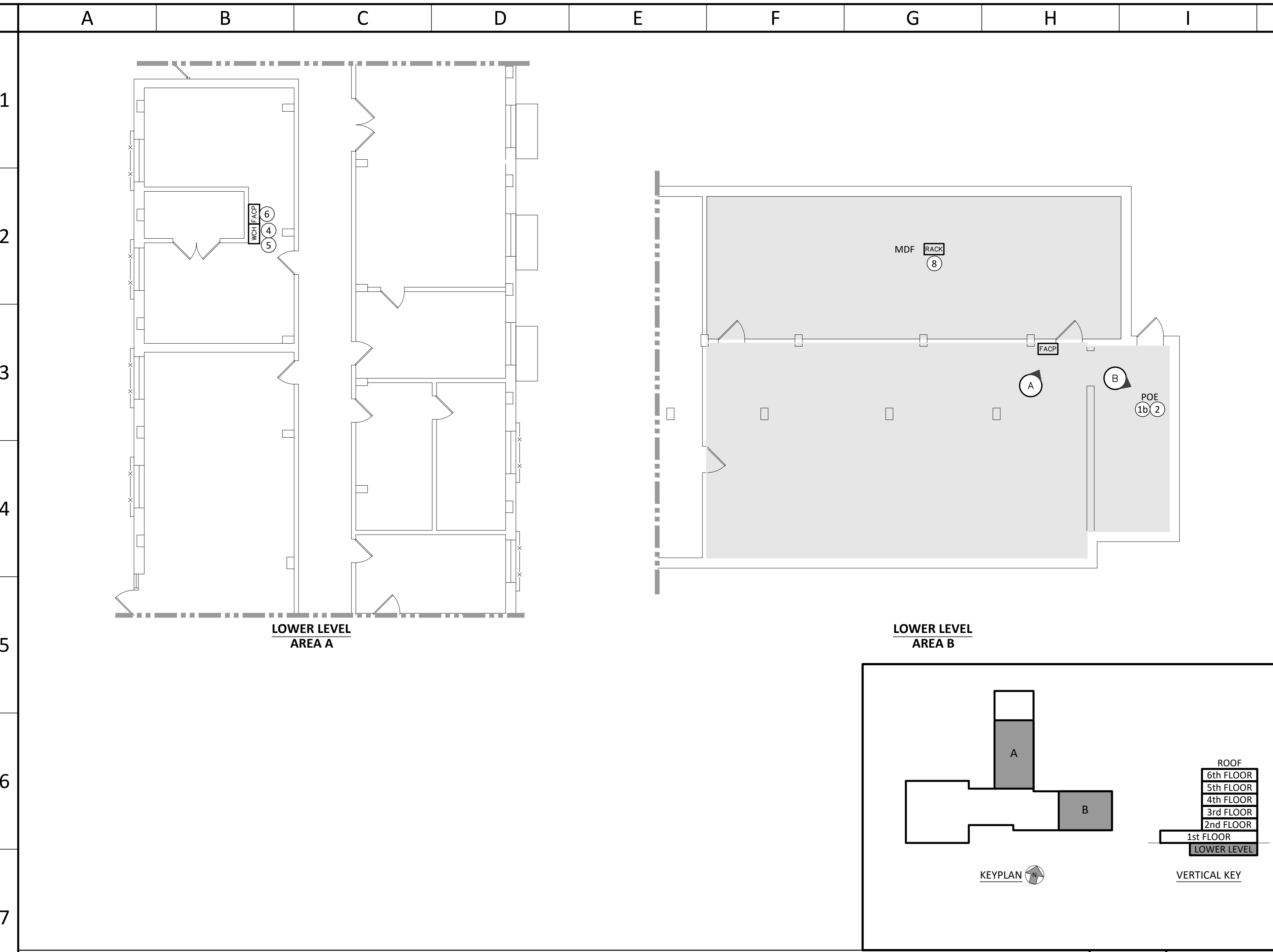
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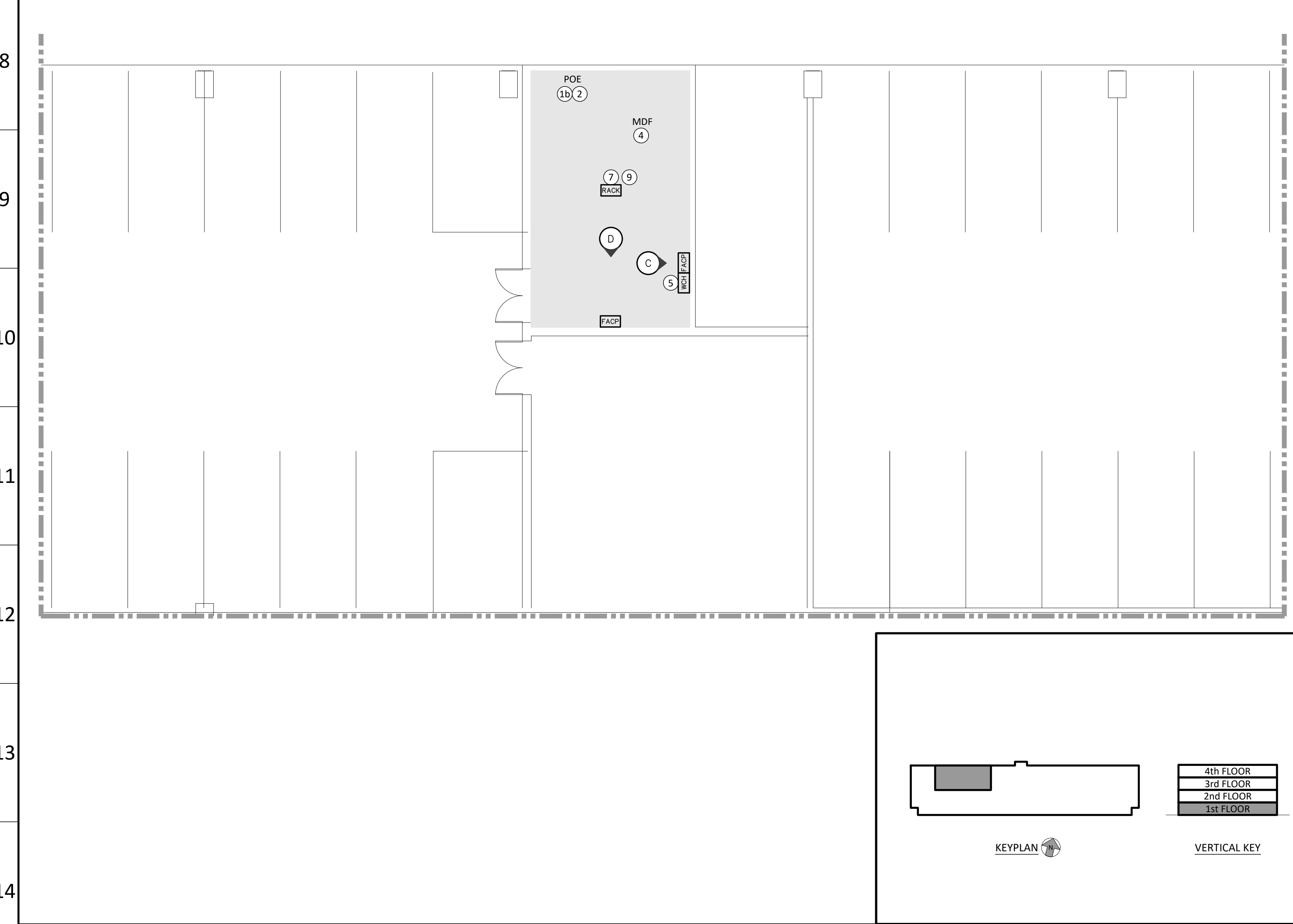
project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
INTERIOR FIBER ROUTING
BUSINESS BUILDING & CENTENNIAL HALL
FIRE ALARM
scale AS SHOWN drawn by AM checked by SG date 09/18/2019
dwg. no. **FA016**

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CROMWELL HALL - FIBER LAYOUT Scale: 1/8"=1'-0" Drawing: FA017 Detail: 01



DECKER GARAGE - FIBER LAYOUT Scale: 1/8"=1'-0" Drawing: FA017 Detail: 02



PHOTO A - EXISTING FIRE ALARM CONTROL PANEL
Honeywell FS90 Addressable Fire Alarm Control Panel With Exposed Conduit Located Within Lower Level Storage Room

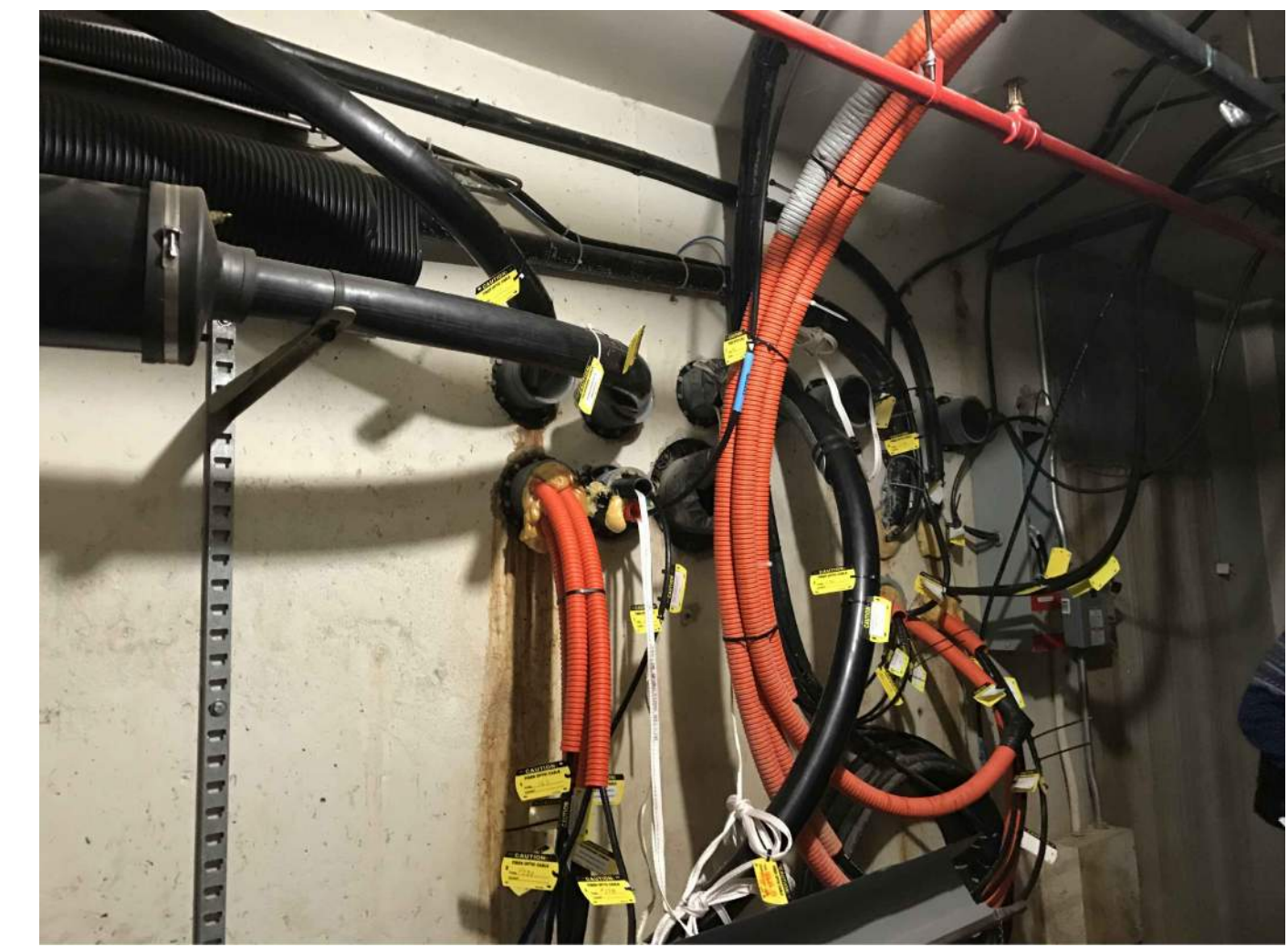


PHOTO B - POINT OF ENTRY
Existing Fiber Point Of Entry Location Within Lower Level Storage Room



PHOTO C - EXISTING FIRE ALARM CONTROL PANEL
Honeywell FS90 Addressable Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within First Floor Electrical Room

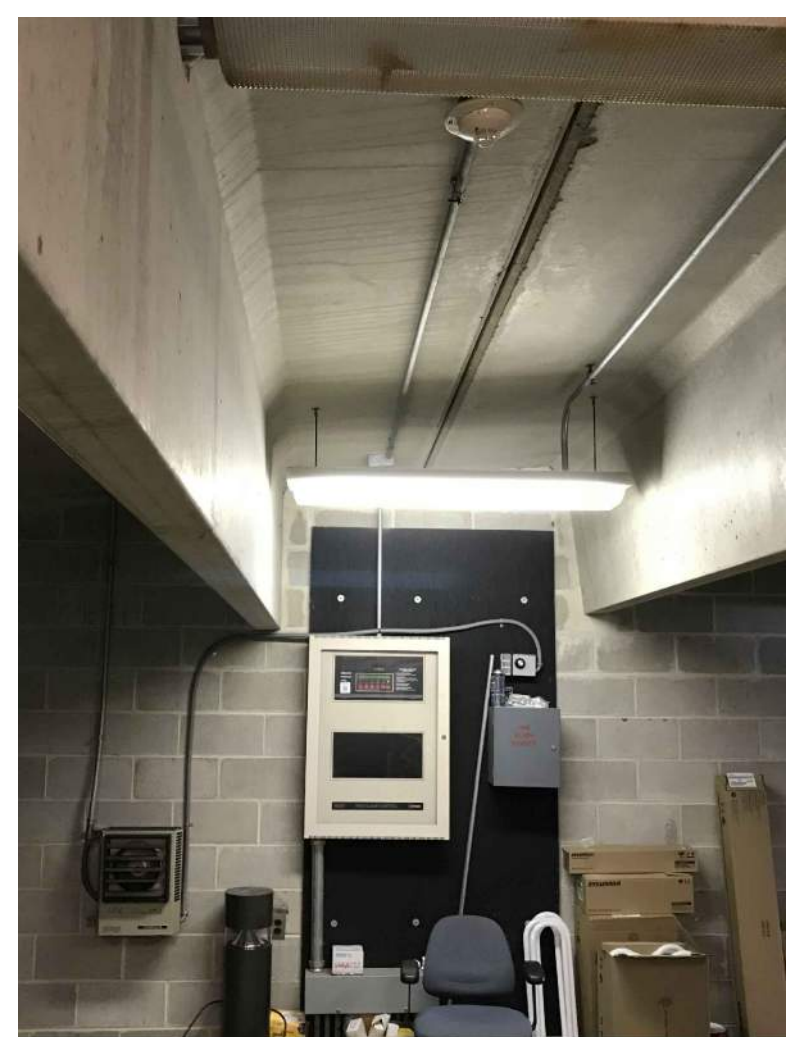


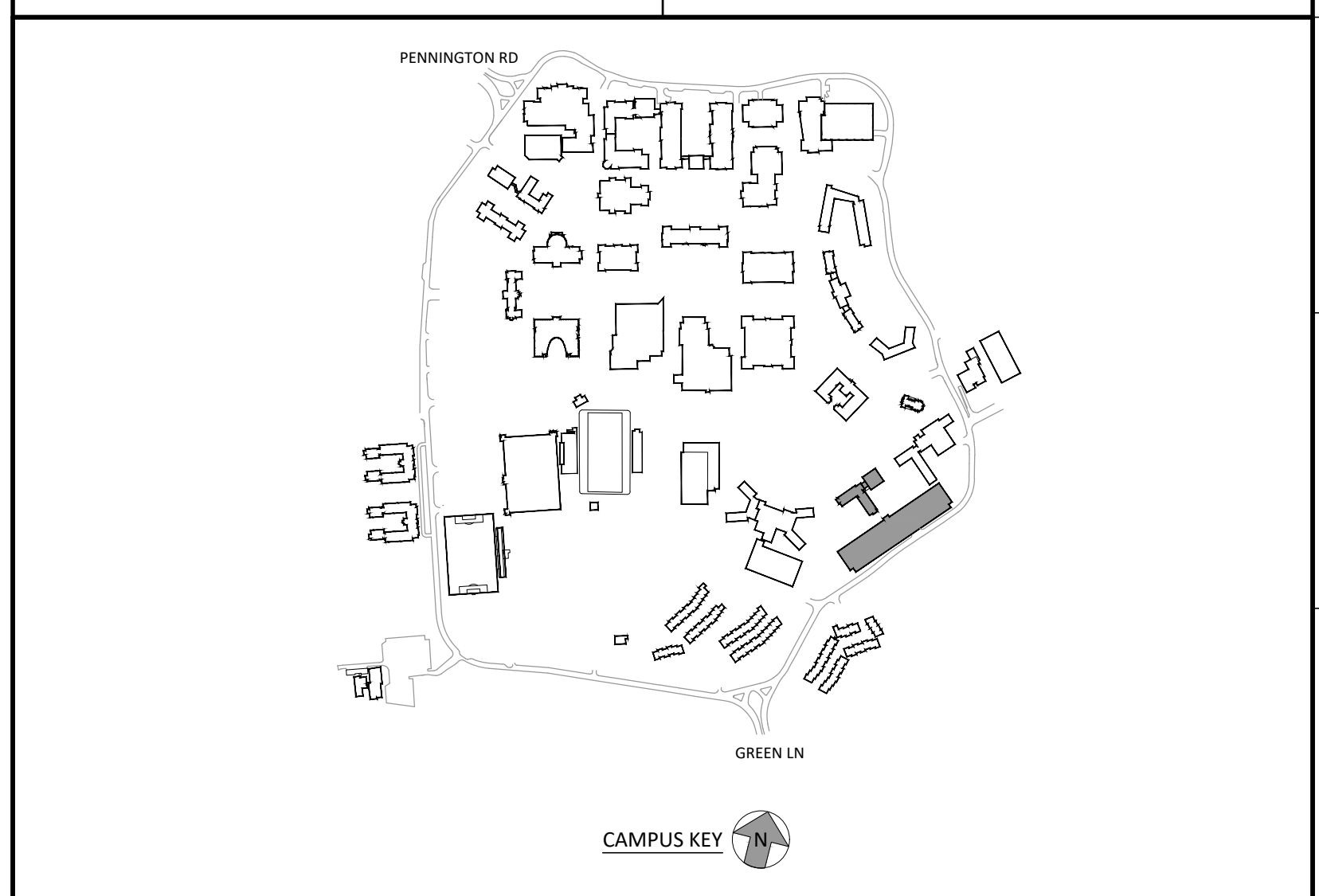
PHOTO D - EXISTING FIRE ALARM CONTROL PANEL
Simplex 4020 Addressable Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within First Floor Electrical Room

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 5. Provide Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Location Of Base Building Fire Alarm Control Panel (FACP).
 7. Provide 30" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 8. Provide Two Post Rack. Terminate Fiber Within New Cable Connector Housing Within Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 9. Contractor Shall Provide A 120V Circuit For Integral Fan And Light Power Within 30" Deep Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Space Utilizing 2#12, #12G In 3/4" Conduit With A 20 amp, 120V Single Phase Circuit Breaker.

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 8. A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
INTERIOR FIBER ROUTING
CROMWELL HALL & DECKER GARAGE
FIRE ALARM

scale AS SHOWN drawn by AM checked by SG date 09/18/2019

dwg. no.
FA017

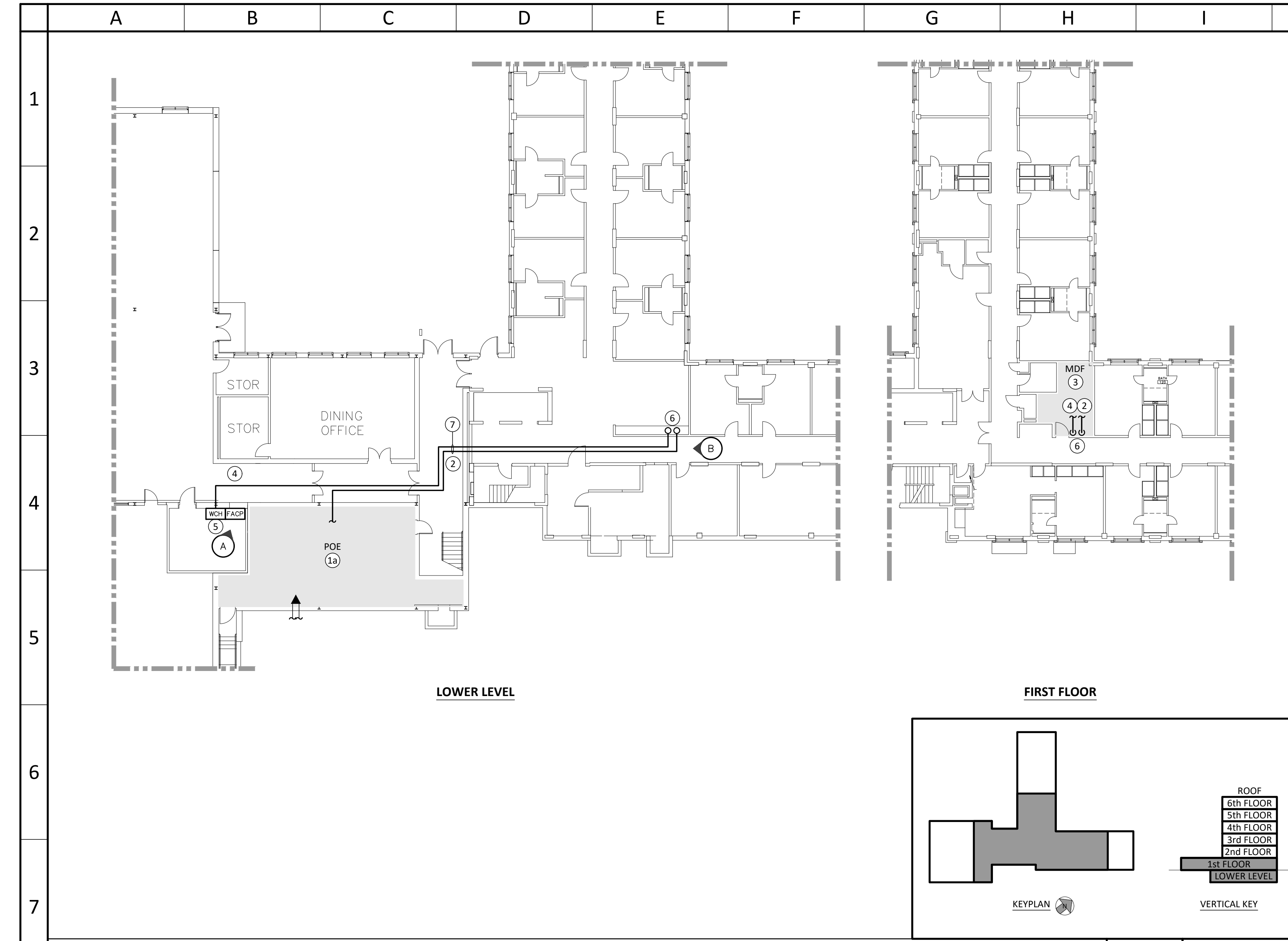


PHOTO A - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel Location

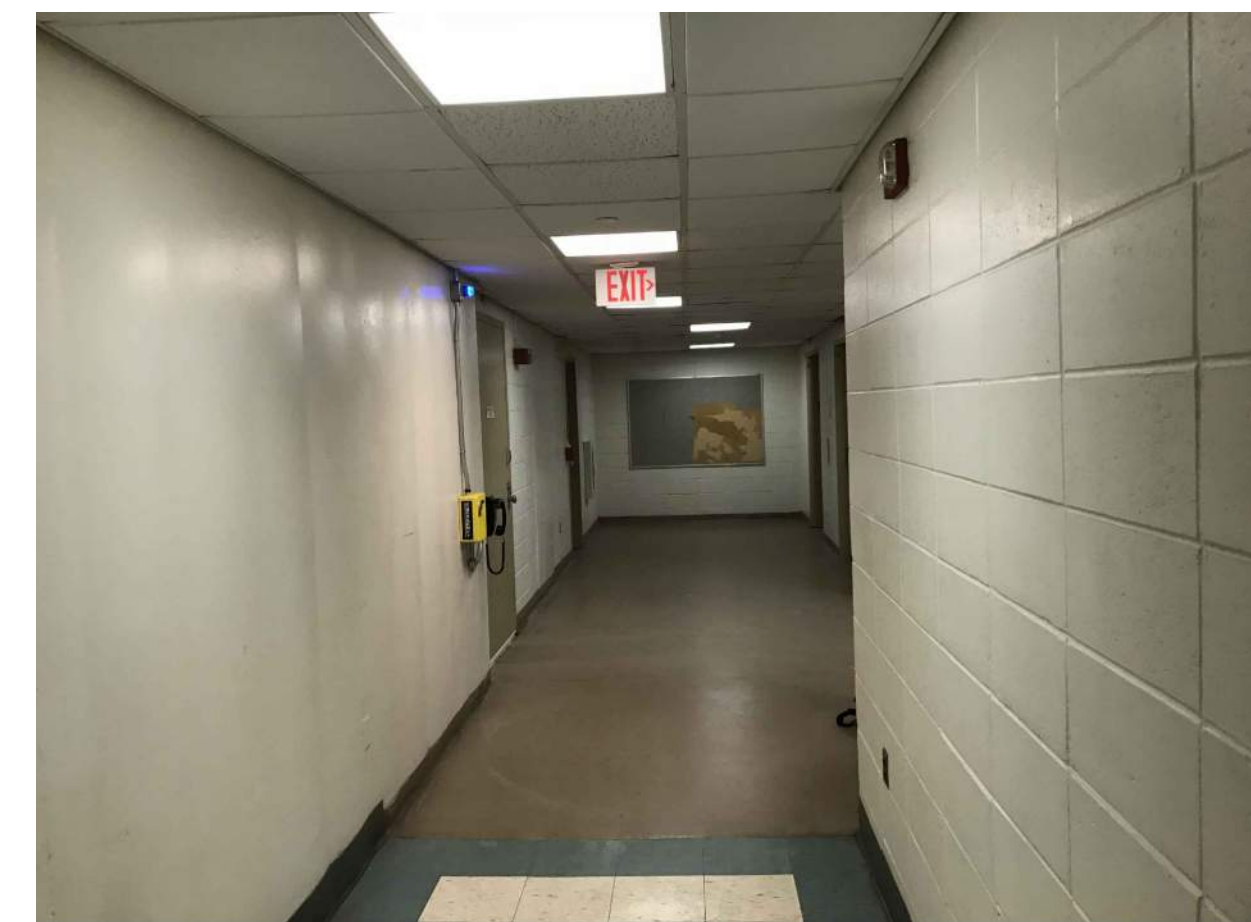


PHOTO B - BASEMENT CEILING
Existing Drop Ceiling in Basement.

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
- Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
 - Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 - Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 - Terminate Fiber Within New Cable Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 - Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cable Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - Core Drill All Floor Penetrations To Route Fiber From Point Of Entry In Basement To Main Distribution Frame (MDF) On First Floor. Route From MDF To Wall Mounted Connector Housing (WCH) In Basement. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 - Route Fiber Pathway Above Drop Ceiling Where Possible.
 - Provide Two Post Rack. Terminate Fiber Within Cable Connector Housing Within Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.

- GENERAL NOTES**
- The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
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 - All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
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	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		

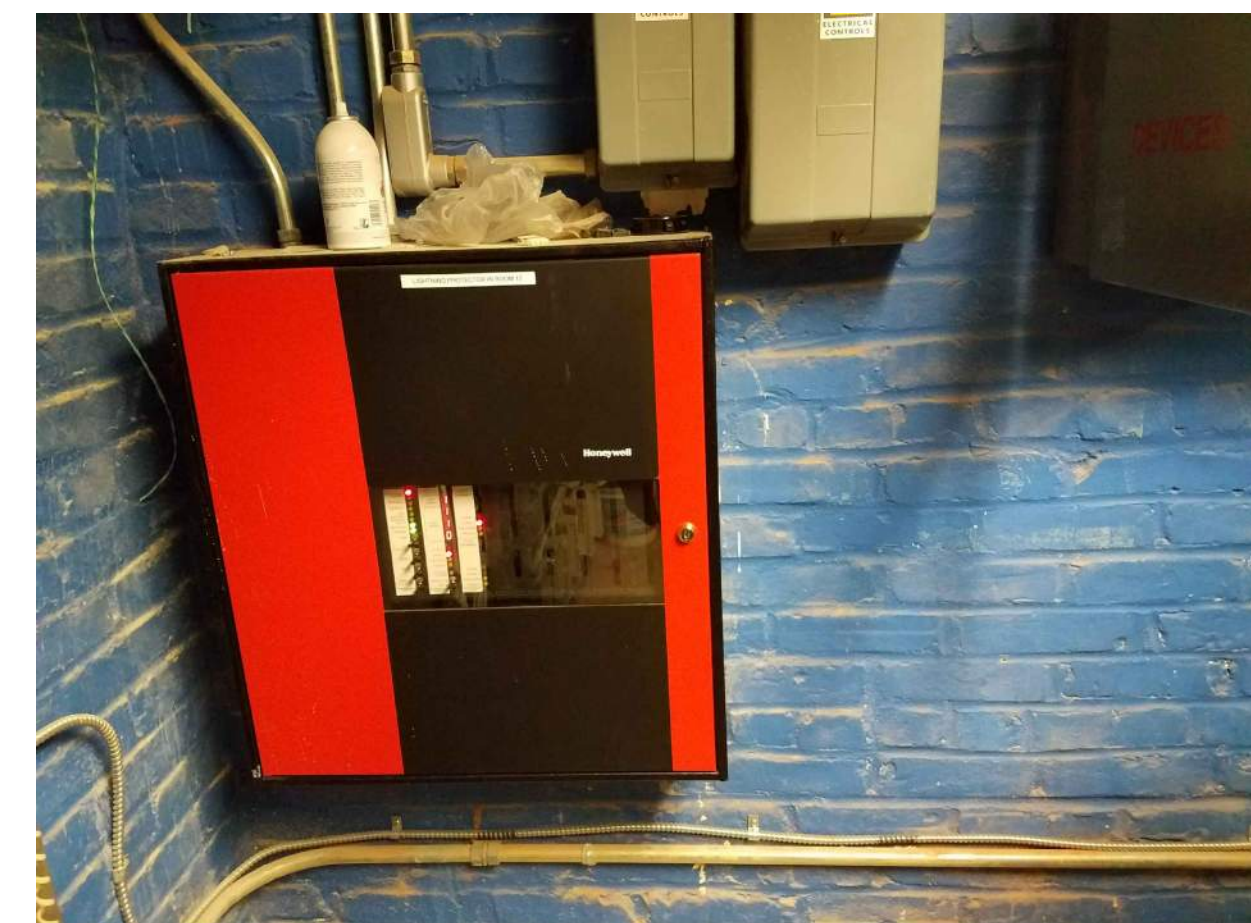
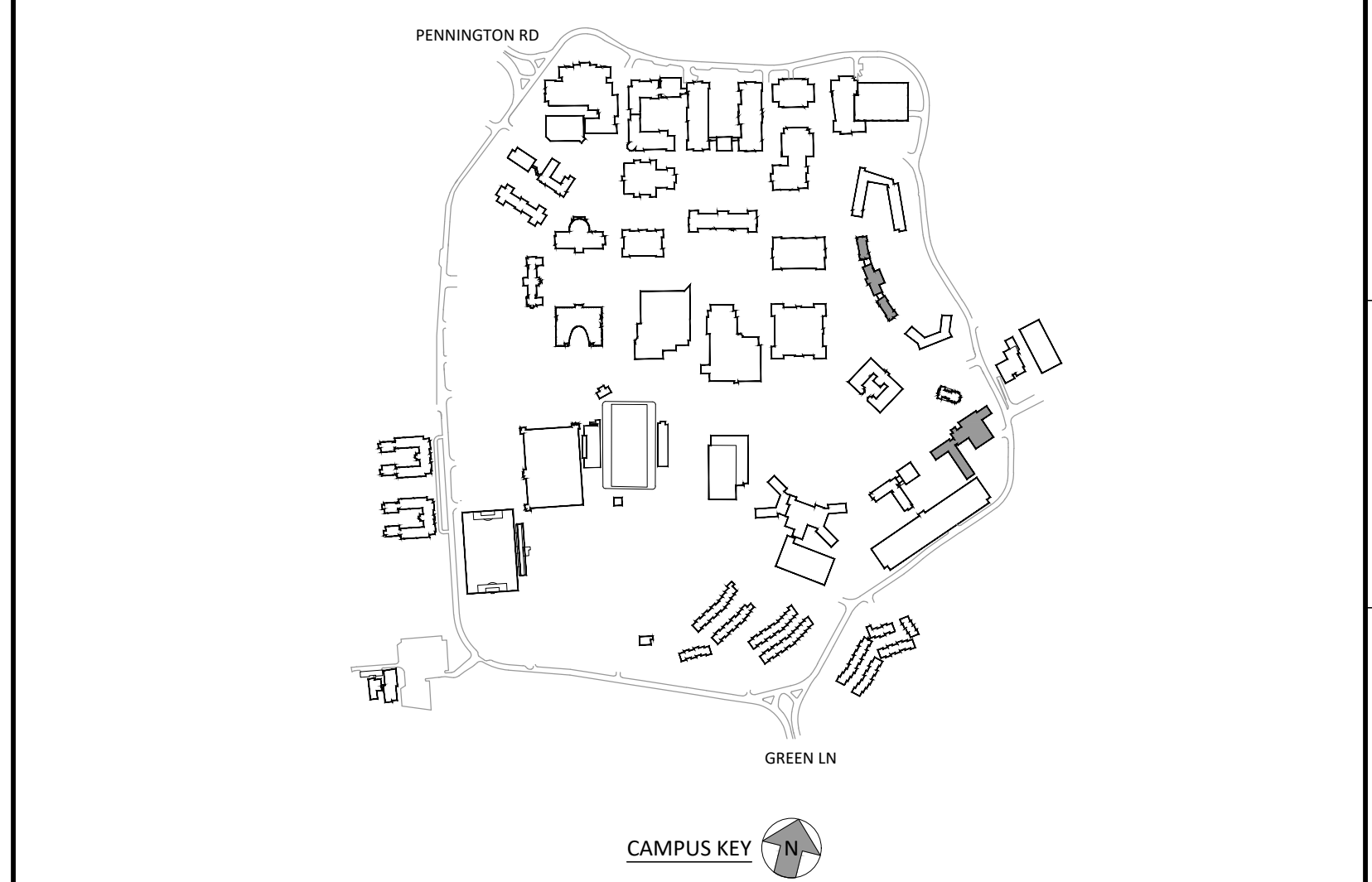
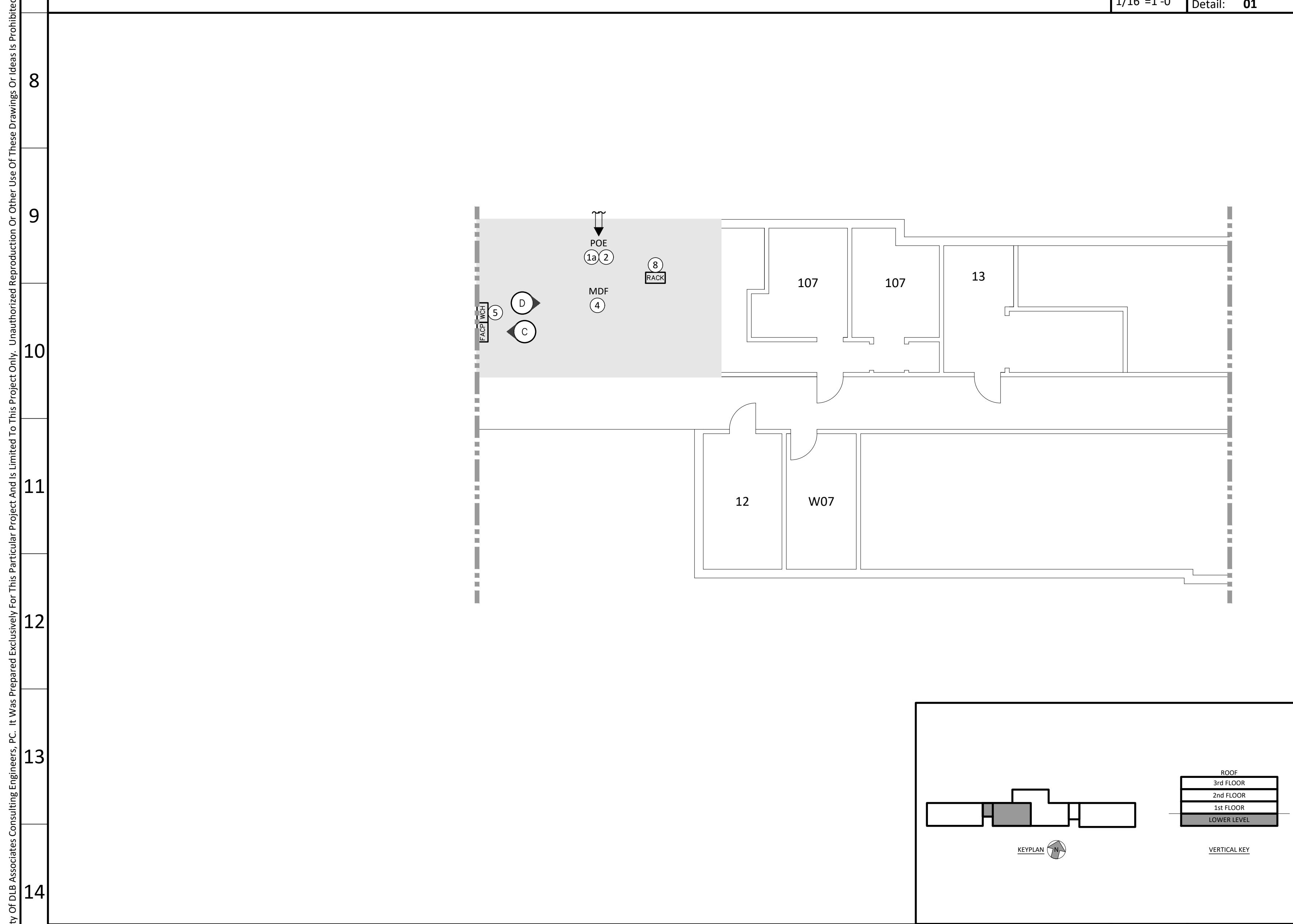


PHOTO C - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel Location



PHOTO D - BASEMENT CEILING
Existing Ceiling Space In Basement MDF.



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dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

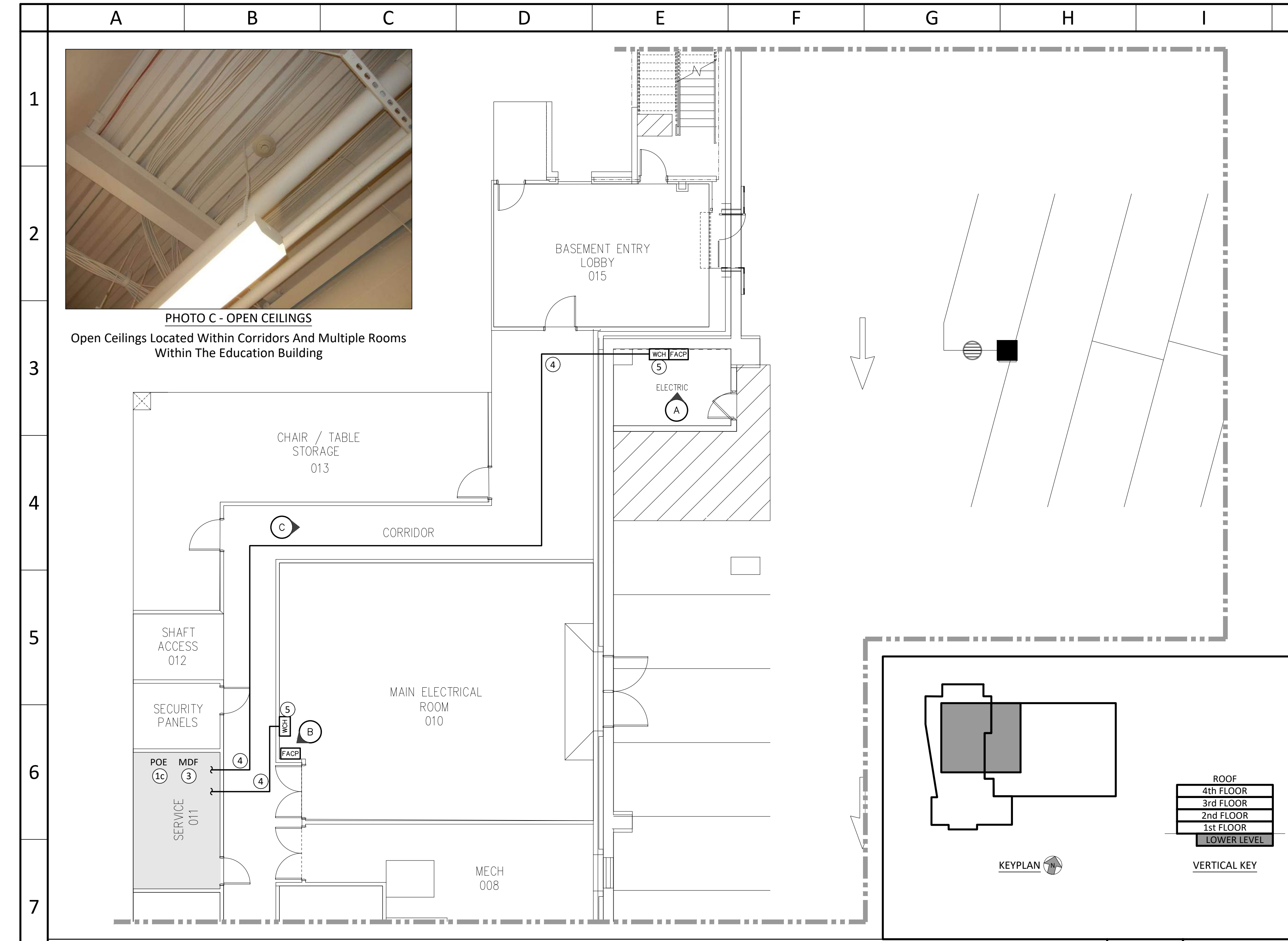
title
INTERIOR FIBER ROUTING
DECKER HALL & ELY-ALLEN-BREWSTER
FIRE ALARM

scale AS SHOWN
drawn by AM
checked by SG
date 09/18/2019

dwg. no.
FA018

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30x42



EDUCATION BUILDING & FORCINA PARKING GARAGE - FIBER LAYOUT
Scale: 1/8"=1'-0"
Drawing: FA019
Detail: 01

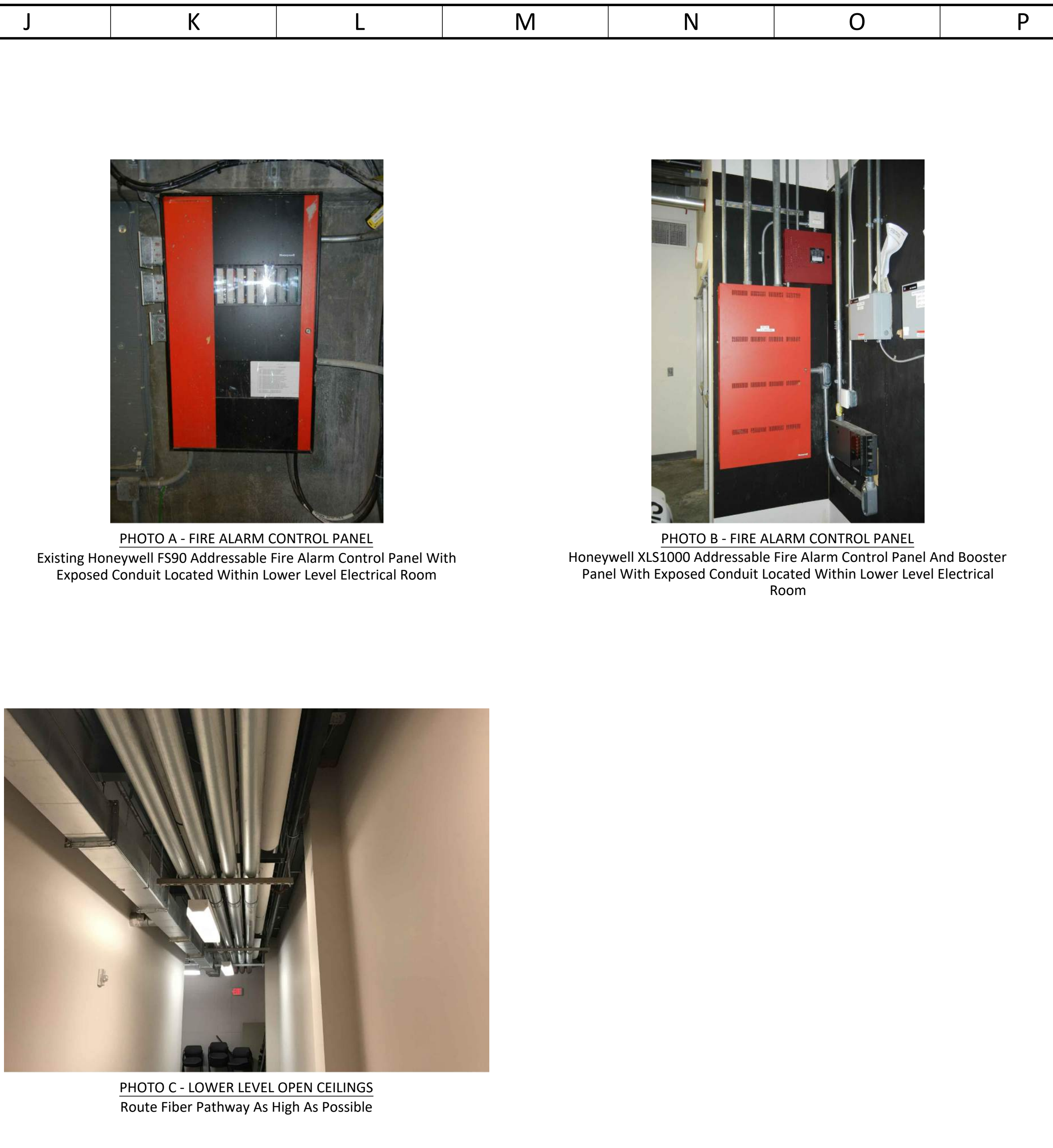


PHOTO A - FIRE ALARM CONTROL PANEL
Existing Honeywell FS90 Addressable Fire Alarm Control Panel With Exposed Conduit Located Within Lower Level Electrical Room

PHOTO B - FIRE ALARM CONTROL PANEL
Honeywell XLS1000 Addressable Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within Lower Level Electrical Room

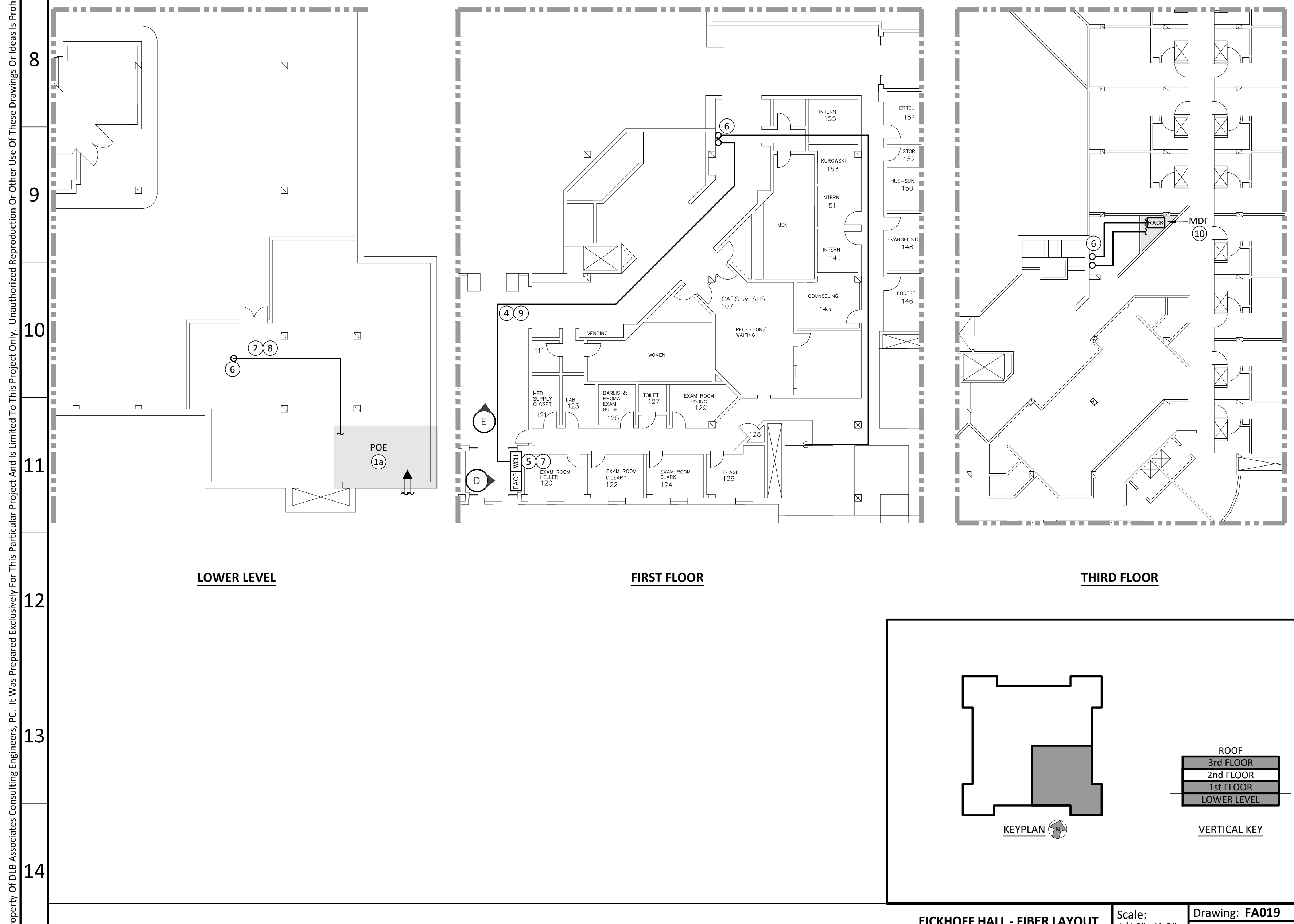
PHOTO C - LOWER LEVEL OPEN CEILINGS
Route Fiber Pathway As High As Possible

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
- 1a. Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
 - 1b. Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 3. Terminate Fiber Within New Cable Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cable Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Core Drill All Floor Penetrations To Route Fiber From Point Of Entry On Lower Level To Main Distribution Frame (MDF) On Third Floor. Route From MDF To Wall Mounted Connector Housing (WCH) On First Floor. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 7. Mount WCH In Nearby Accessible Location. Coordinate With TCNJ IT Department.
 8. Route Fiber Conduit As Close To The Existing Ceiling As Possible.
 9. Route Fiber Pathway Above Drop Ceiling Where Possible.
 10. Provide Two Post Rack. Terminate Fiber Within New Cable Connector Housing Within New Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.

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	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



EICKHOFF HALL - FIBER LAYOUT
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Drawing: FA019
Detail: 02

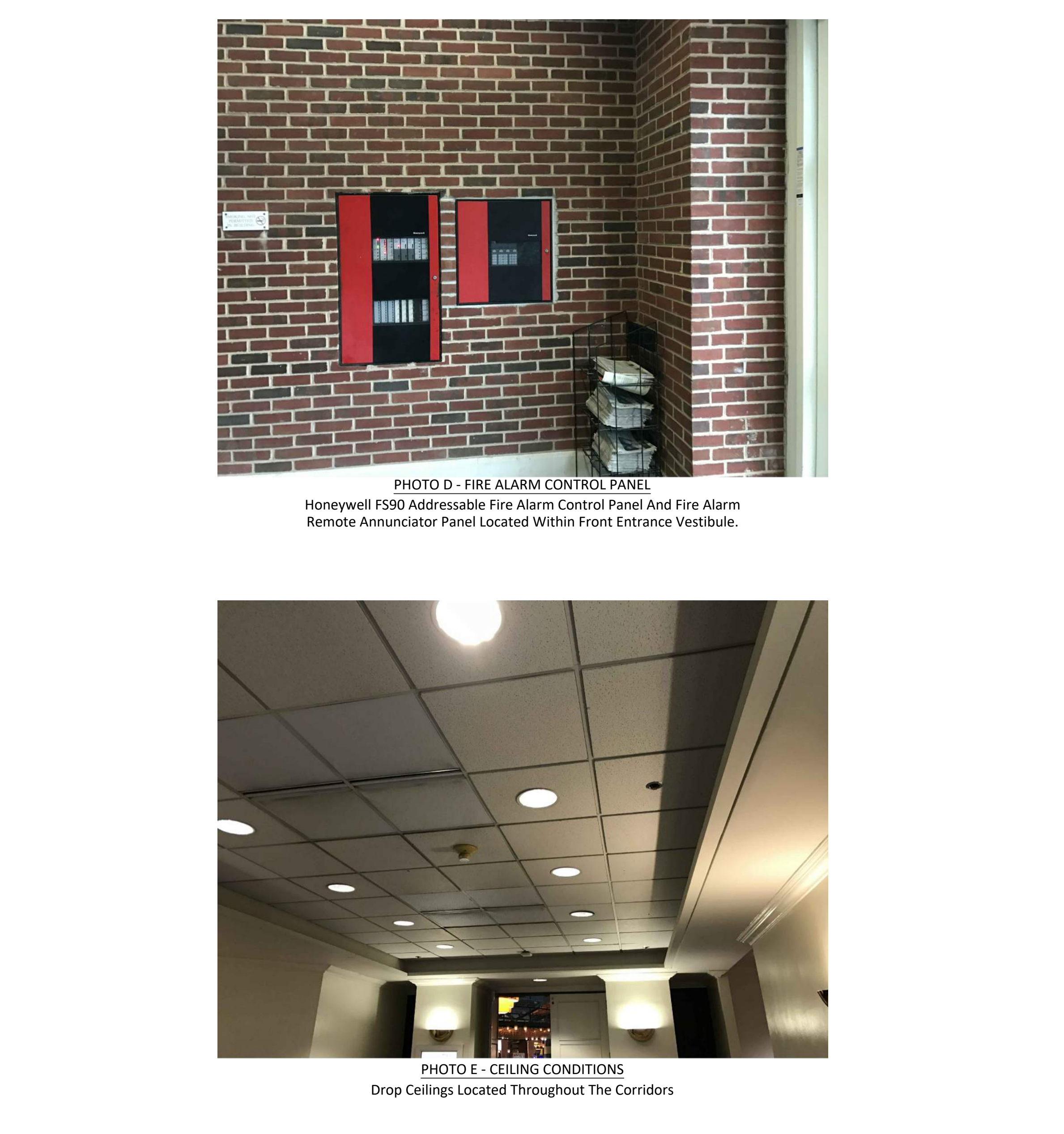
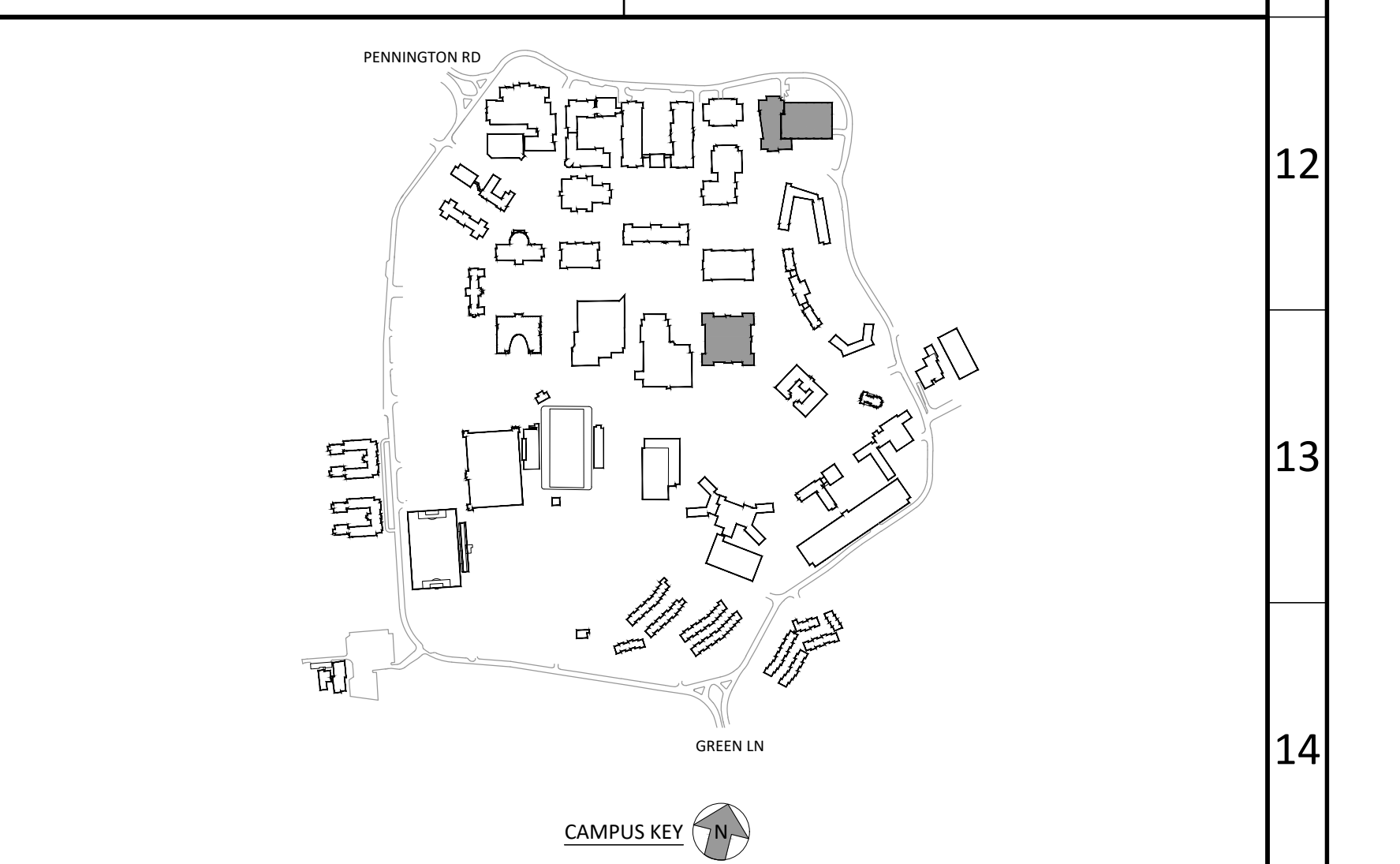


PHOTO D - FIRE ALARM CONTROL PANEL
Honeywell FS90 Addressable Fire Alarm Control Panel And Fire Alarm Remote Annunciator Panel Located Within Front Entrance Vestibule.

PHOTO E - CEILING CONDITIONS
Drop Ceilings Located Throughout The Corridors



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

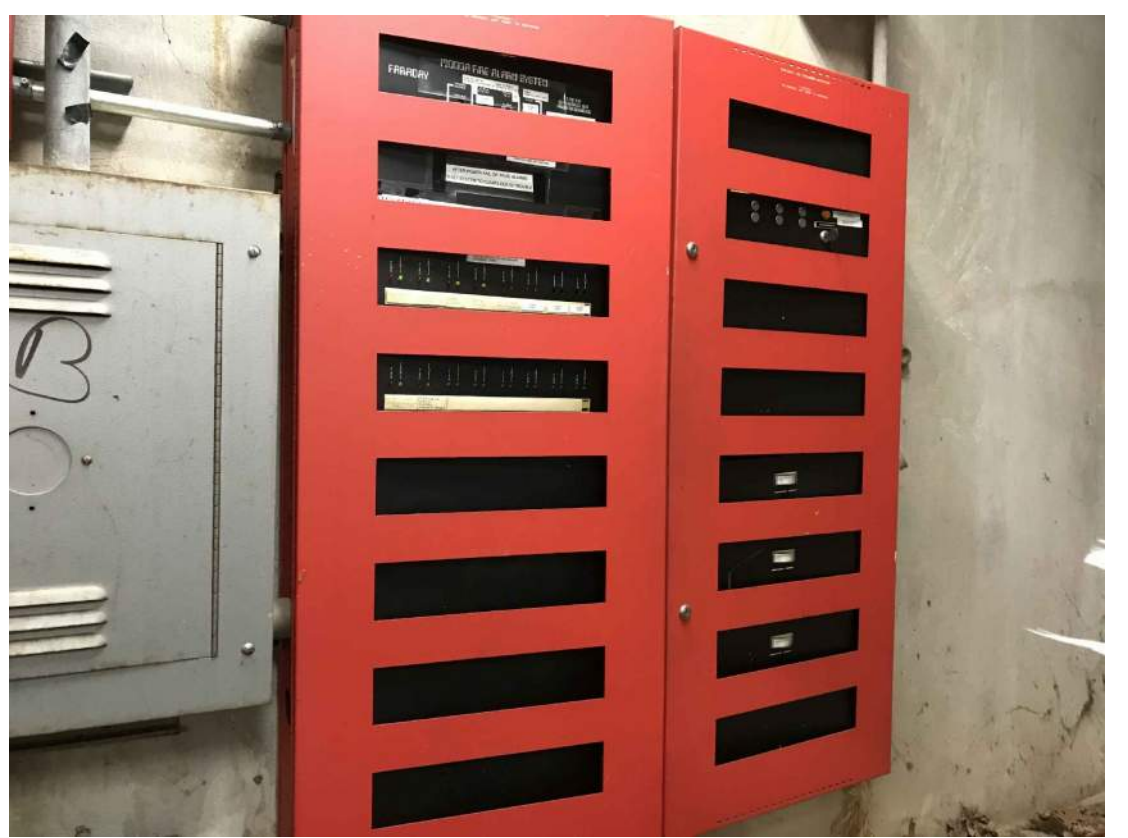
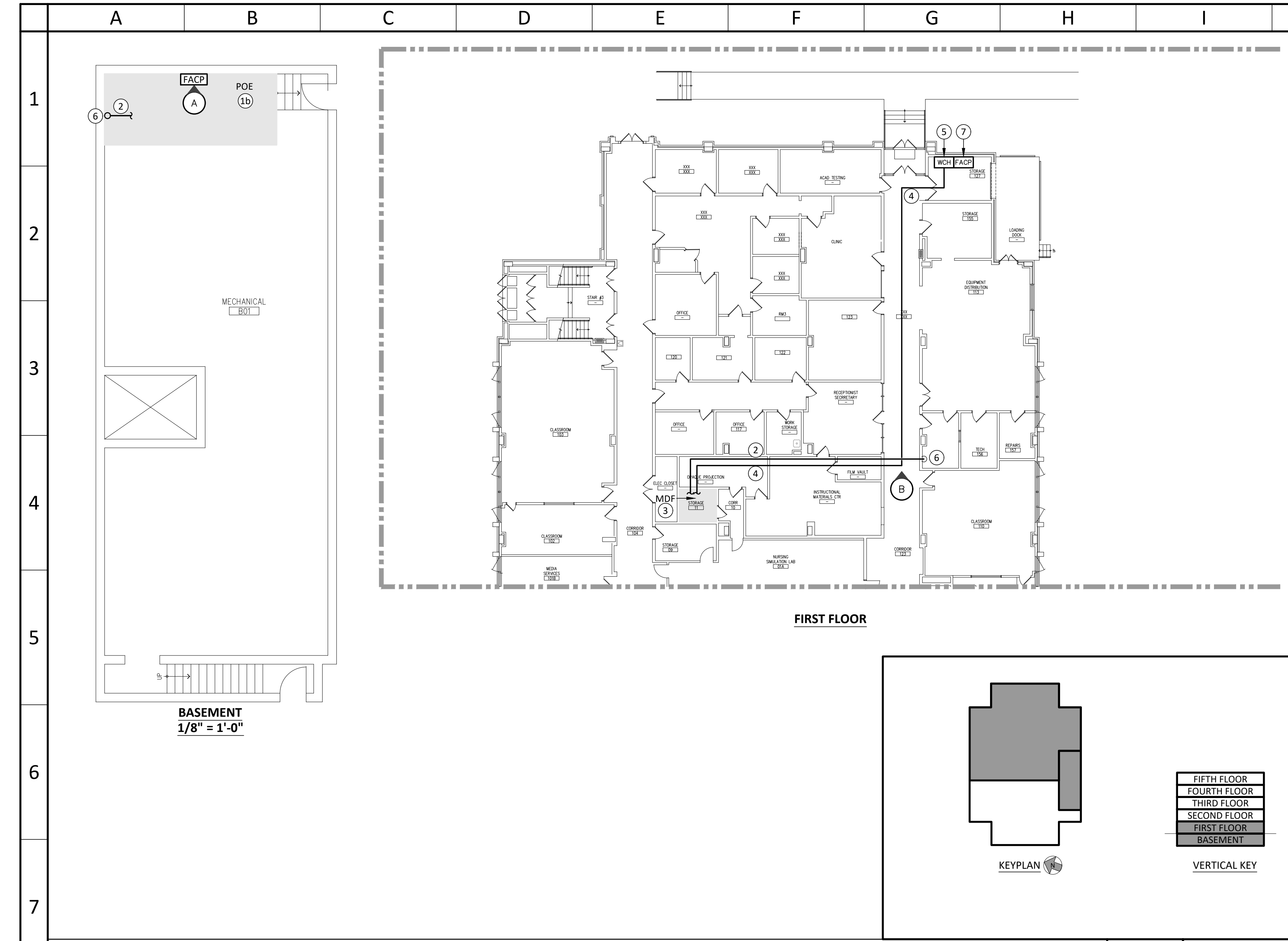
Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
INTERIOR FIBER ROUTING
EDUCATION BUILDING, GARAGE & EICKHOFF HALL
FIRE ALARM

scale AS SHOWN
drawn by AM
checked by SG
date 09/18/2019

dwg. no.
FA019

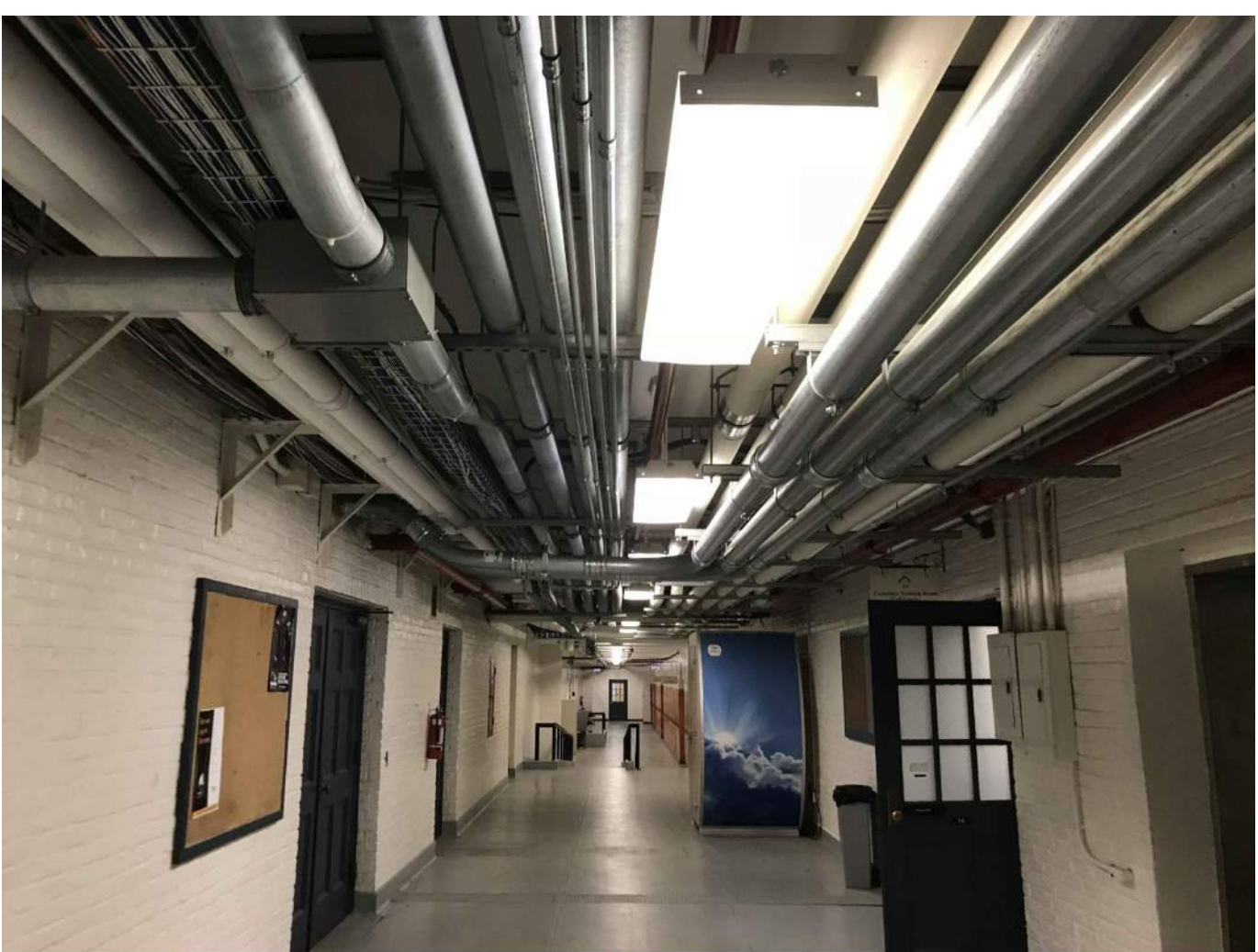
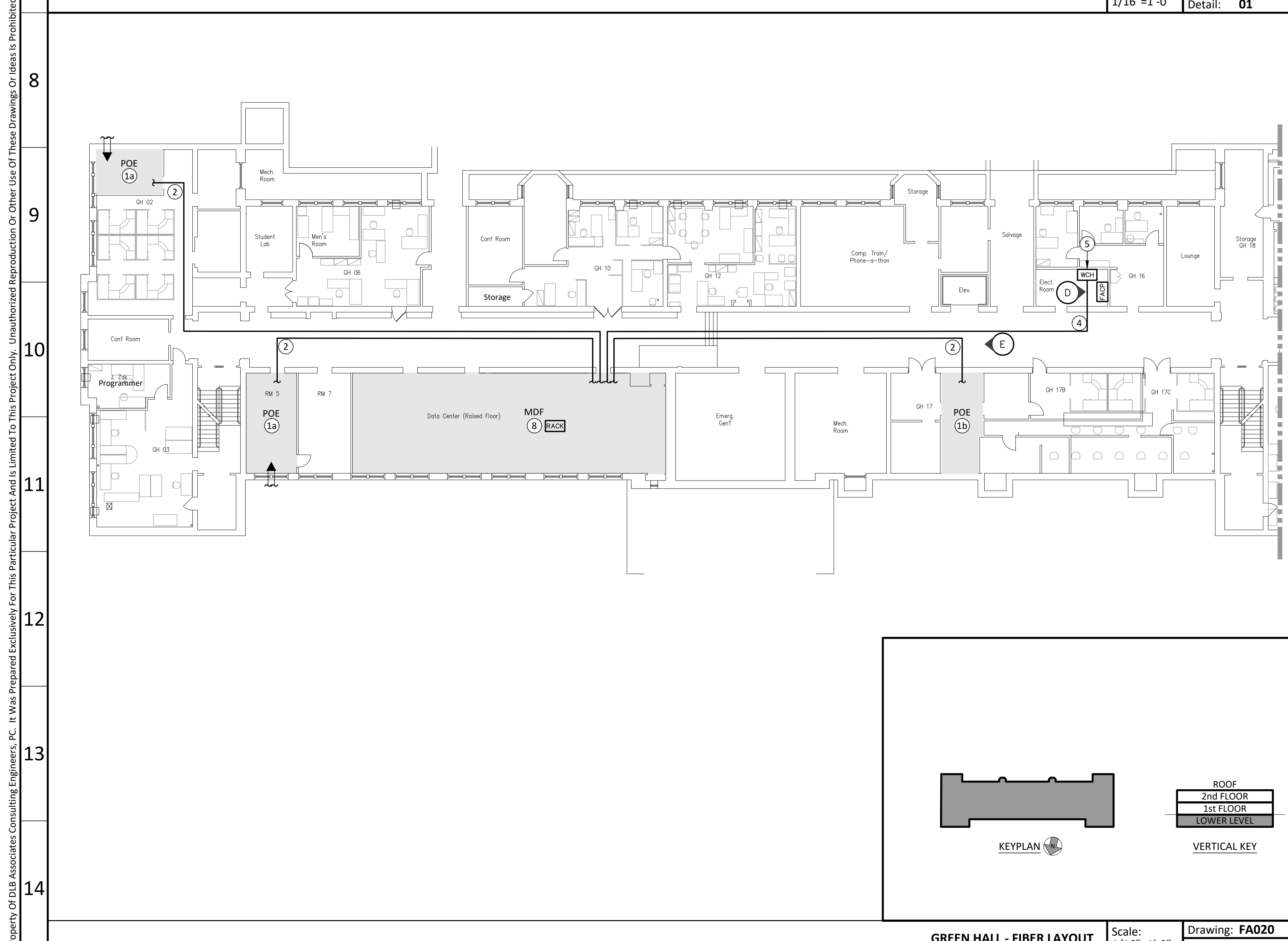


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 - 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 3. Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Core Drill All Floor Penetrations To Route Fiber From Point Of Entry In Basement To Main Distribution Frame (MDF) On First Floor. Route From MDF To Wall Mounted Connector Housing (WCH) On First Floor. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 7. New Location For Fire Alarm Control Panel.
 8. Provide Two Post Rack. Terminate Fiber Within New Cable Connector Housing Within New Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.

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	Photo Identification Tag		
	Connect To Existing		
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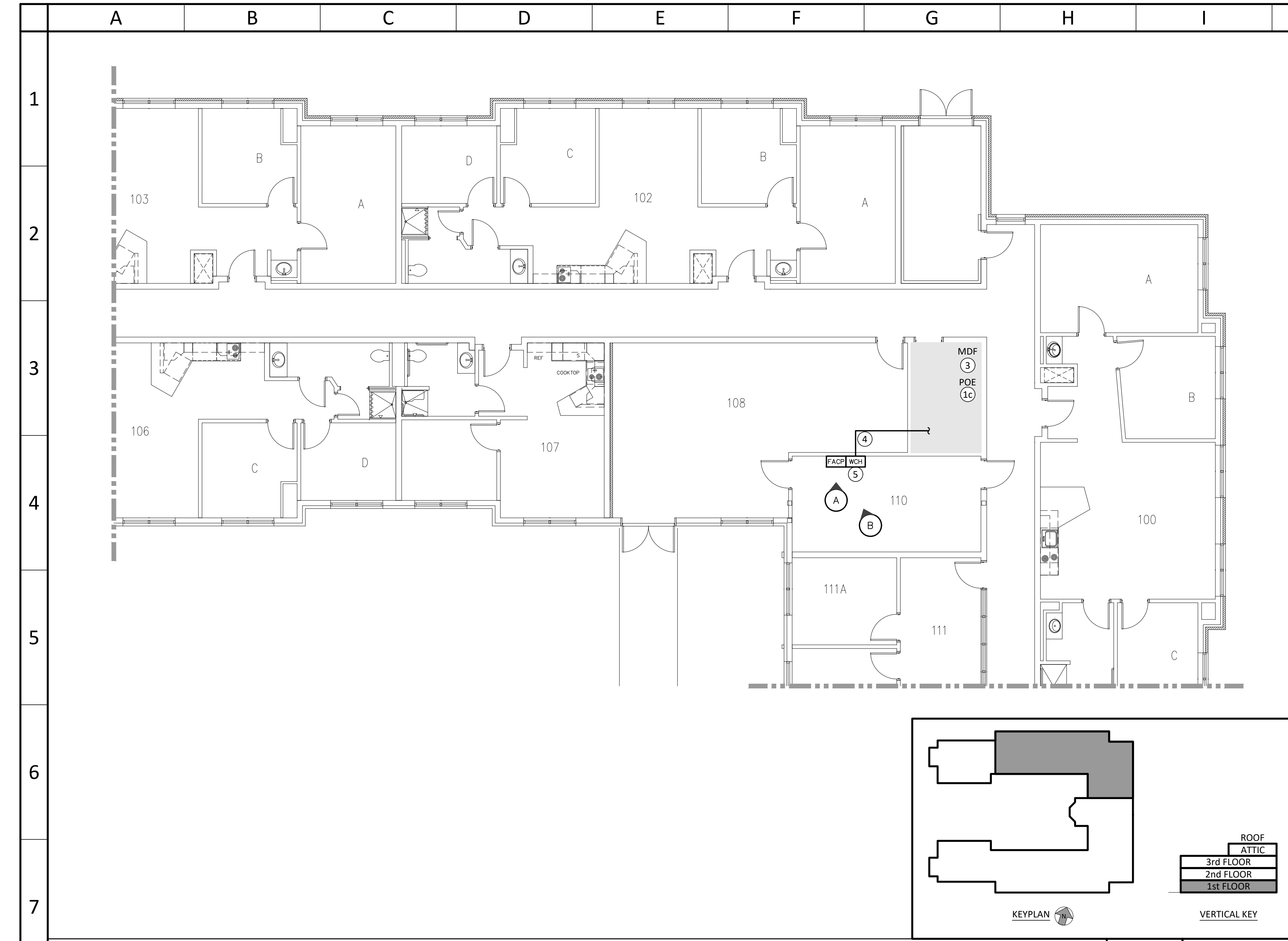
dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724
Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
INTERIOR FIBER ROUTING
FORCINA HALL & GREEN HALL
FIRE ALARM
scale AS SHOWN
drawn by AM
checked by SG
date 09/18/2019
dwg. no.
FA020

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30x42



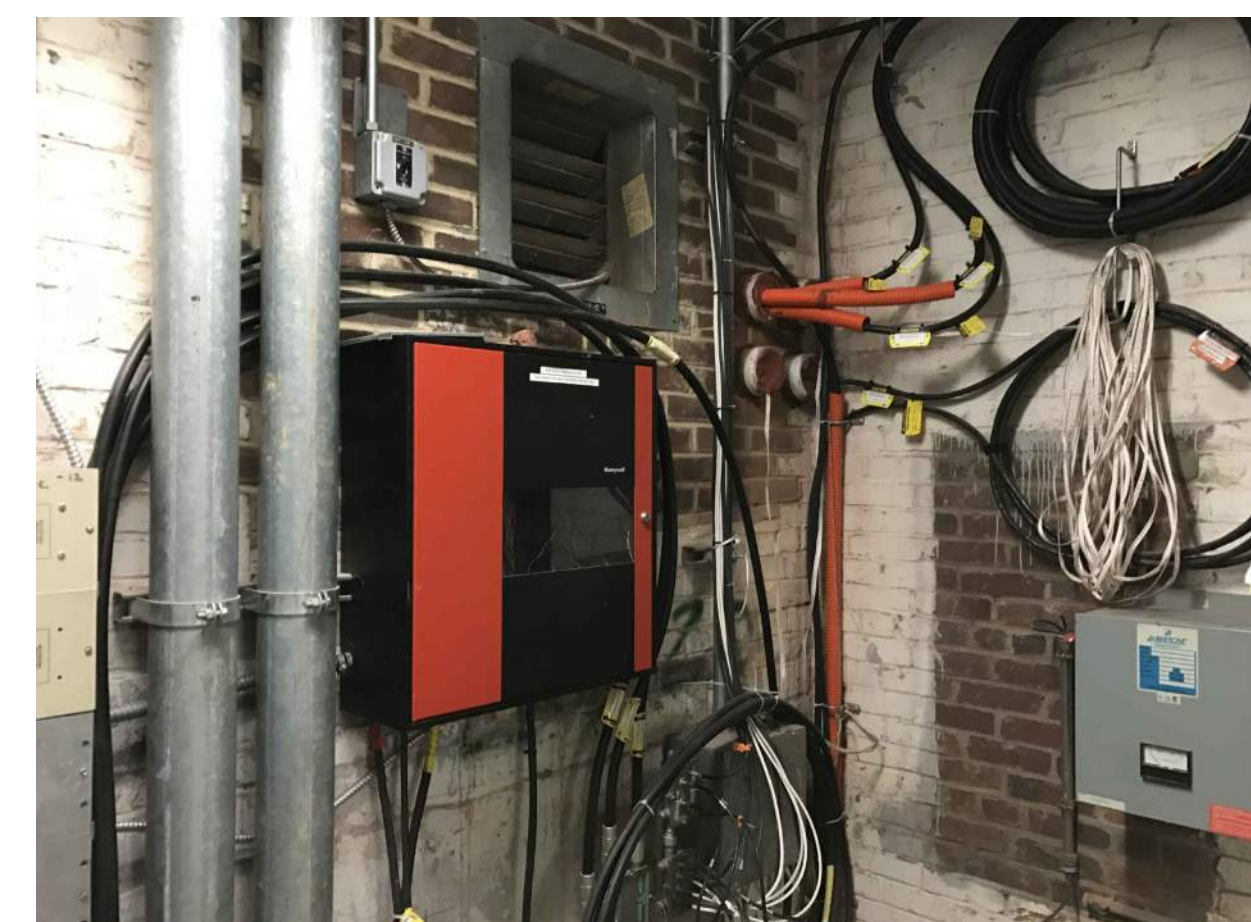
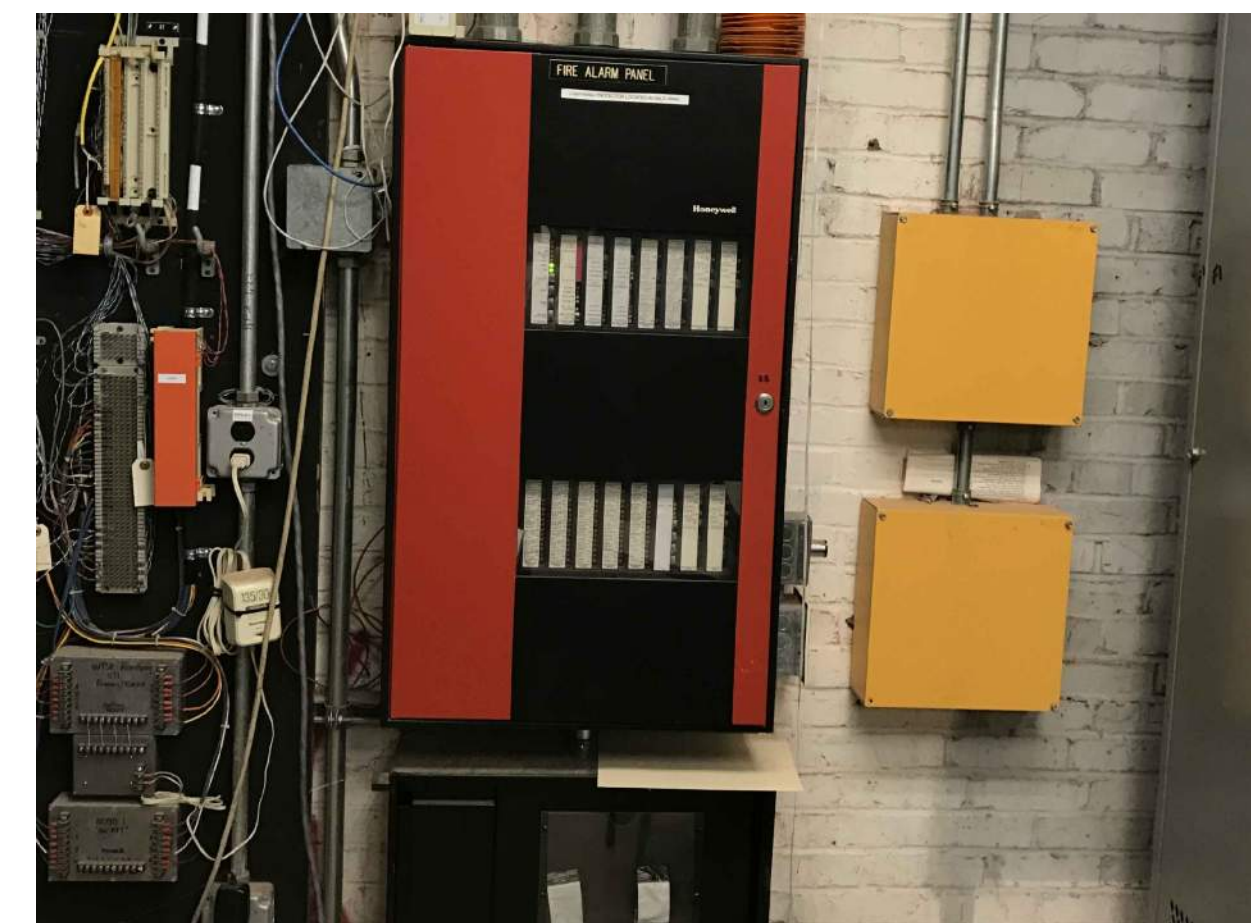
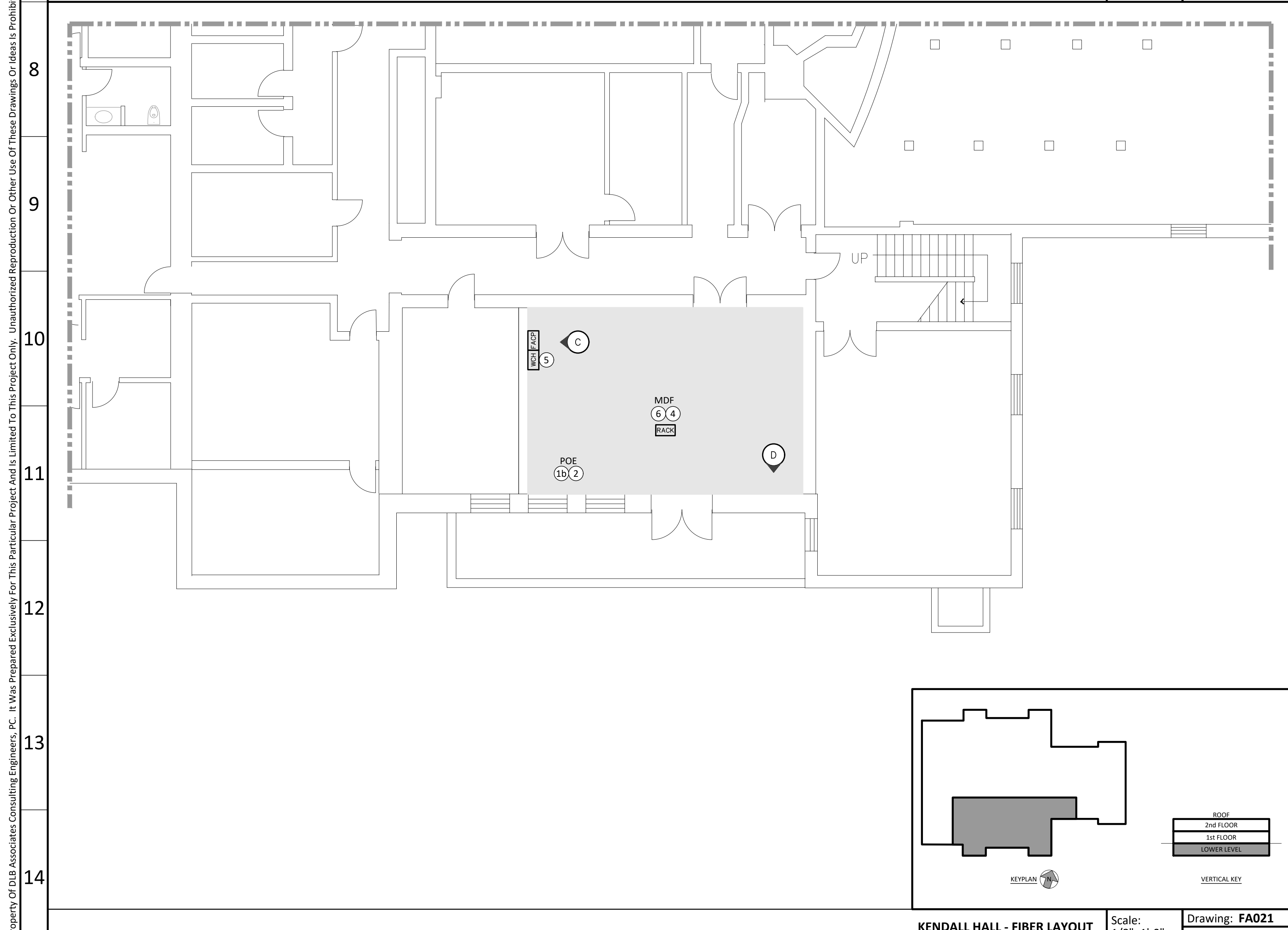
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4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
6. Provide Two Post Rack. Terminate Fiber Within New Cable Connector Housing Within New Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.

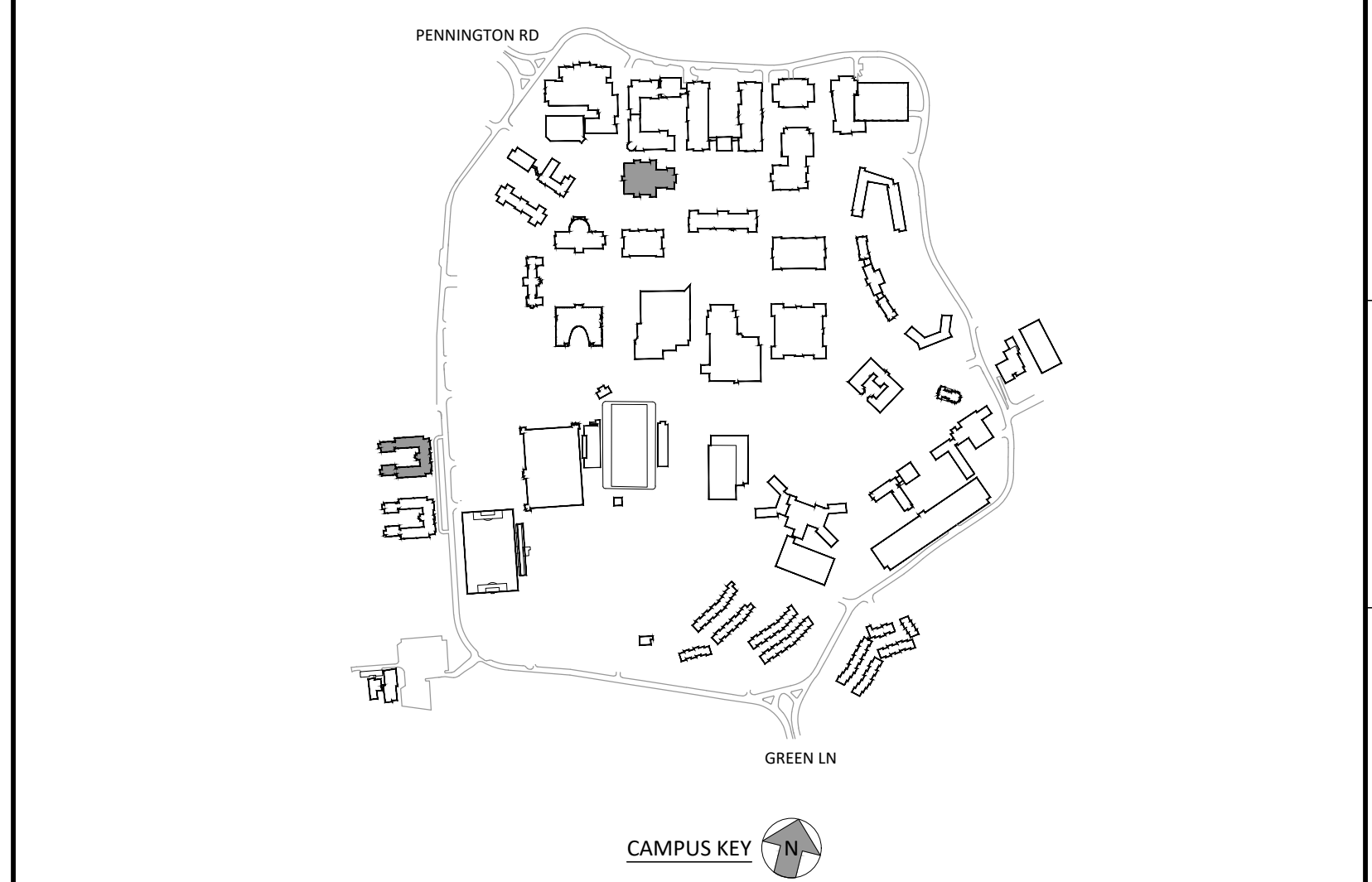
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RACK	IT Rack		
⊙	Photo Identification Tag		
→	Connect To Existing		
■	MDF / POE		



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dlb associates
 CONSULTING ENGINEERS, P.C.
 265 Industrial Way West, Eatontown, N.J. 07724
 Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
 2000 PENNINGTON ROAD,
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title
 INTERIOR FIBER ROUTING
 HAUSDOERFFER HALL & KENDALL HALL
 FIRE ALARM
 scale AS SHOWN
 drawn by AM
 checked by SG
 date 09/18/2019
 dwg. no.
FA021

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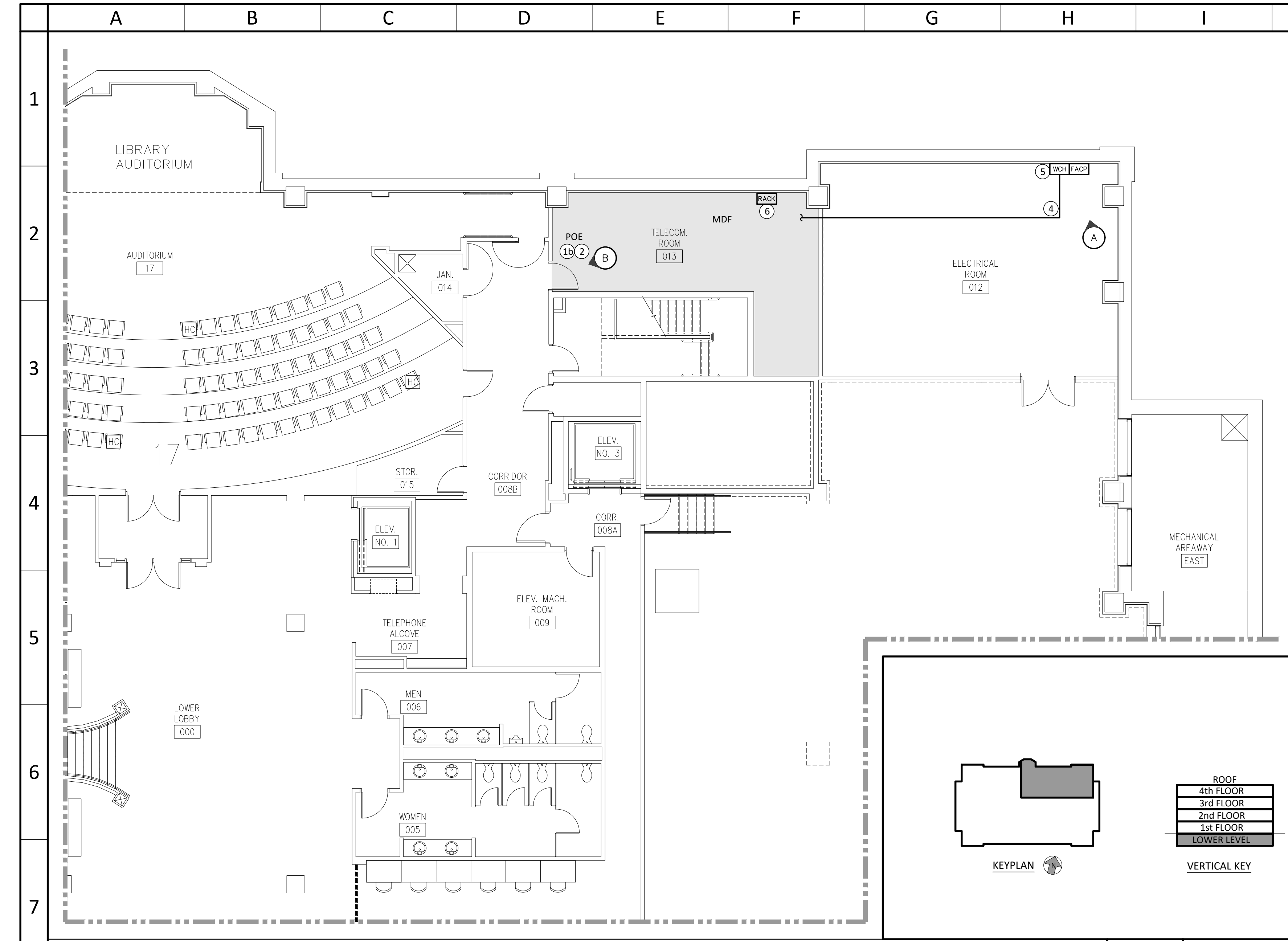


PHOTO A - FIRE ALARM CONTROL PANEL
 Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within Lower Level Electrical Room

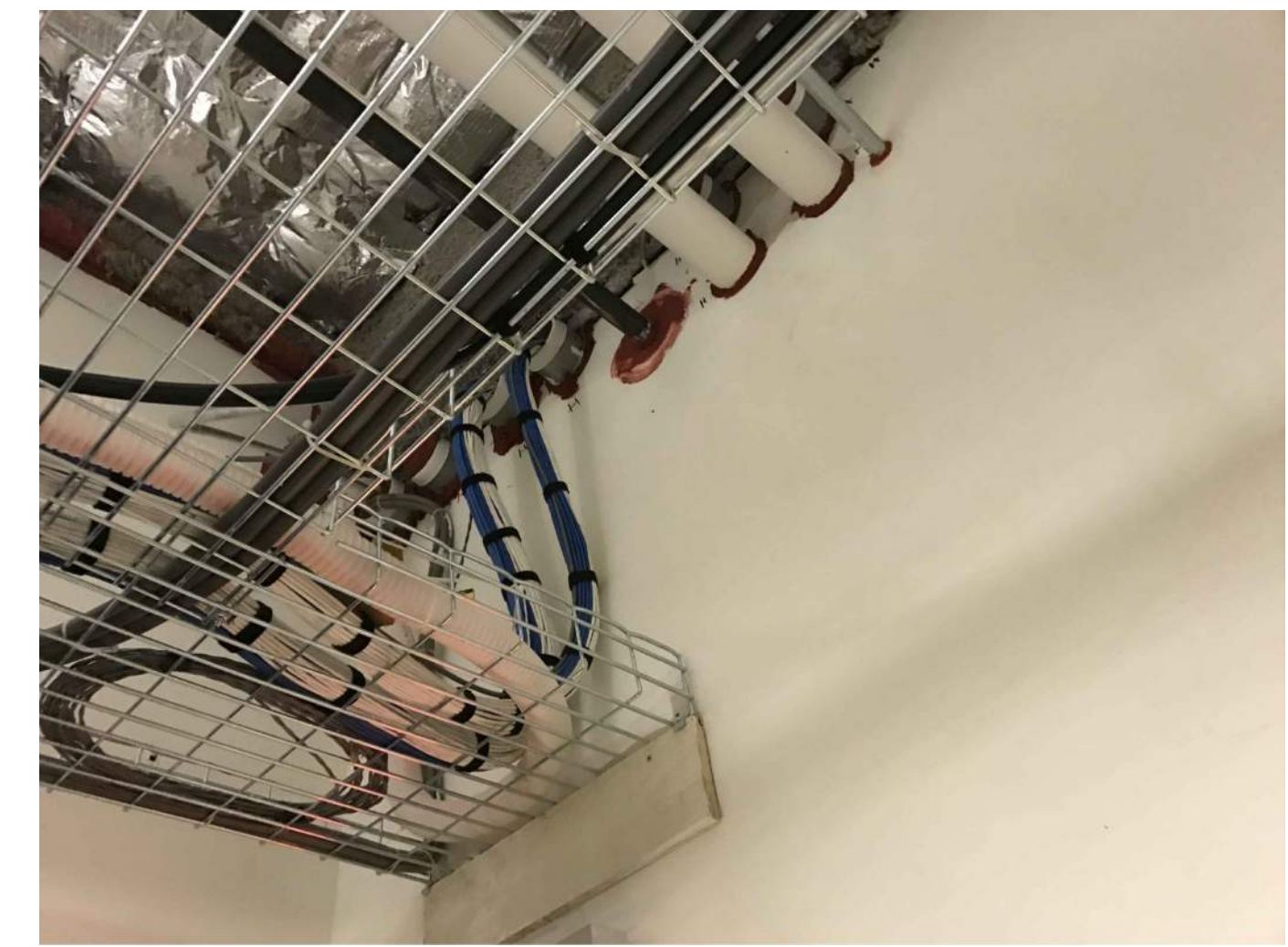


PHOTO B - POINT OF ENTRY
 Existing Point Of Entry Located Within Telecom Room 013

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
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 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Provide Two Post Rack. Terminate Fiber Within New Cable Connector Housing Within New Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 7. Pull Box Located on exterior of maintenance building with existing underground empty conduit from Power House. Empty Conduit Shall Be Traced, Reamed And Cleaned. Route From The Pullbox Utilizing Existing Pathway Into The Office Space And Route Above The Ceiling To The MDF.
 8. Provide 12" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.

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 2. New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
 3. All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions.
 5. All Work And Materials Shall Be New Unless Otherwise Noted.
 6. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Cable Runs Noted In Plans.
 7. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.
 8. A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

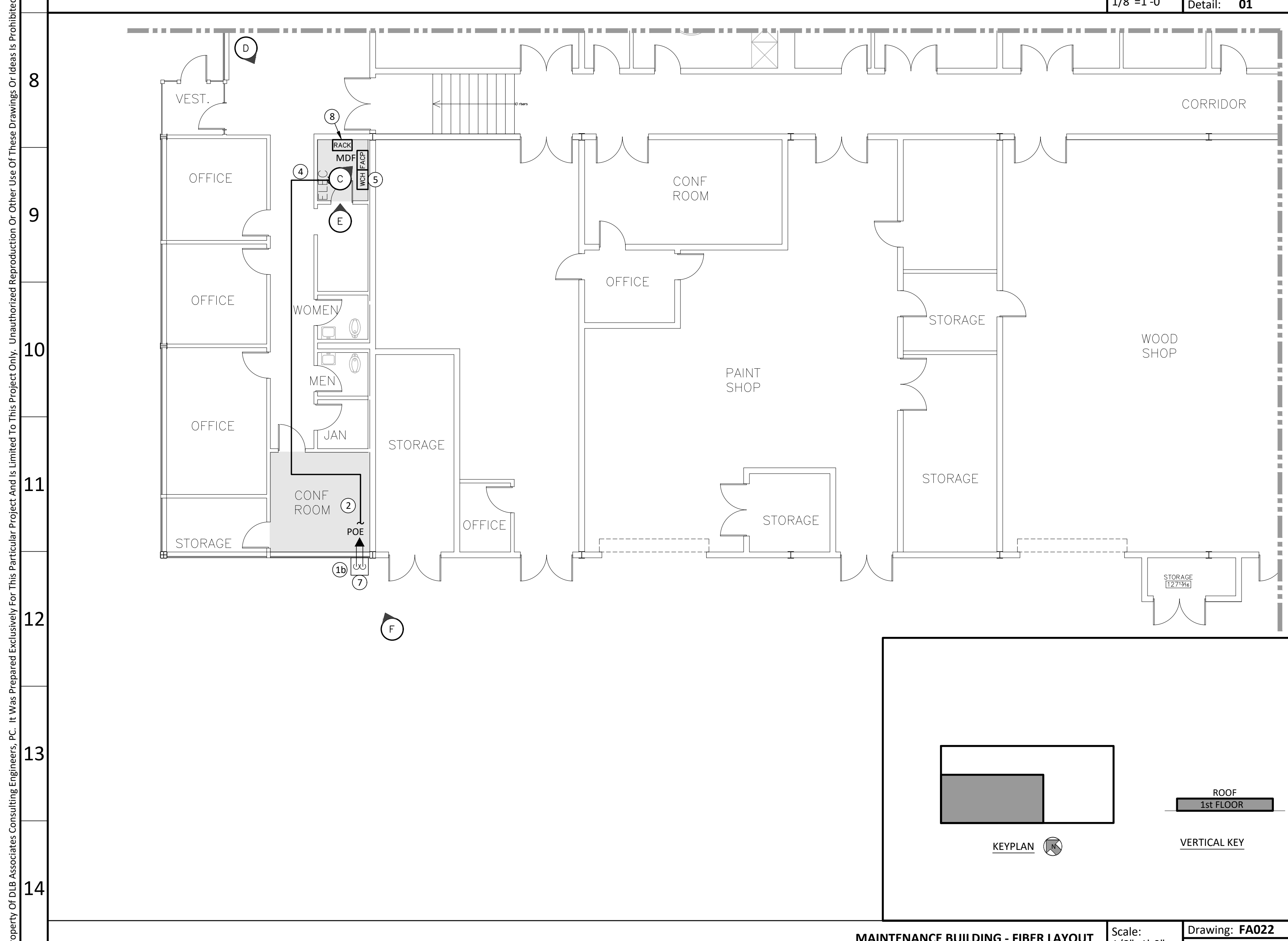


PHOTO C - FIRE ALARM CONTROL PANEL
 Existing Fire Alarm Control Panel With Exposed Conduit Located Within Electrical Room



PHOTO D - CEILING CONDITION
 Drop Ceiling Located Throughout The Office Area And Corridor

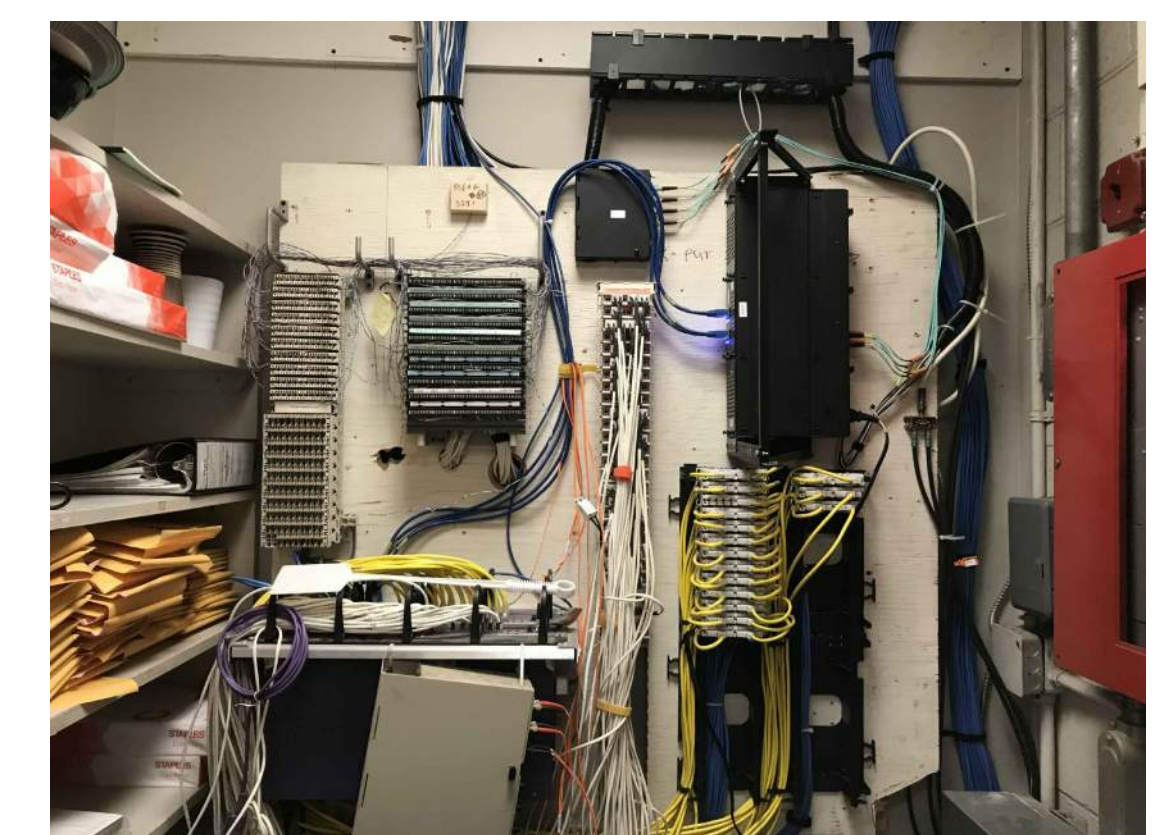


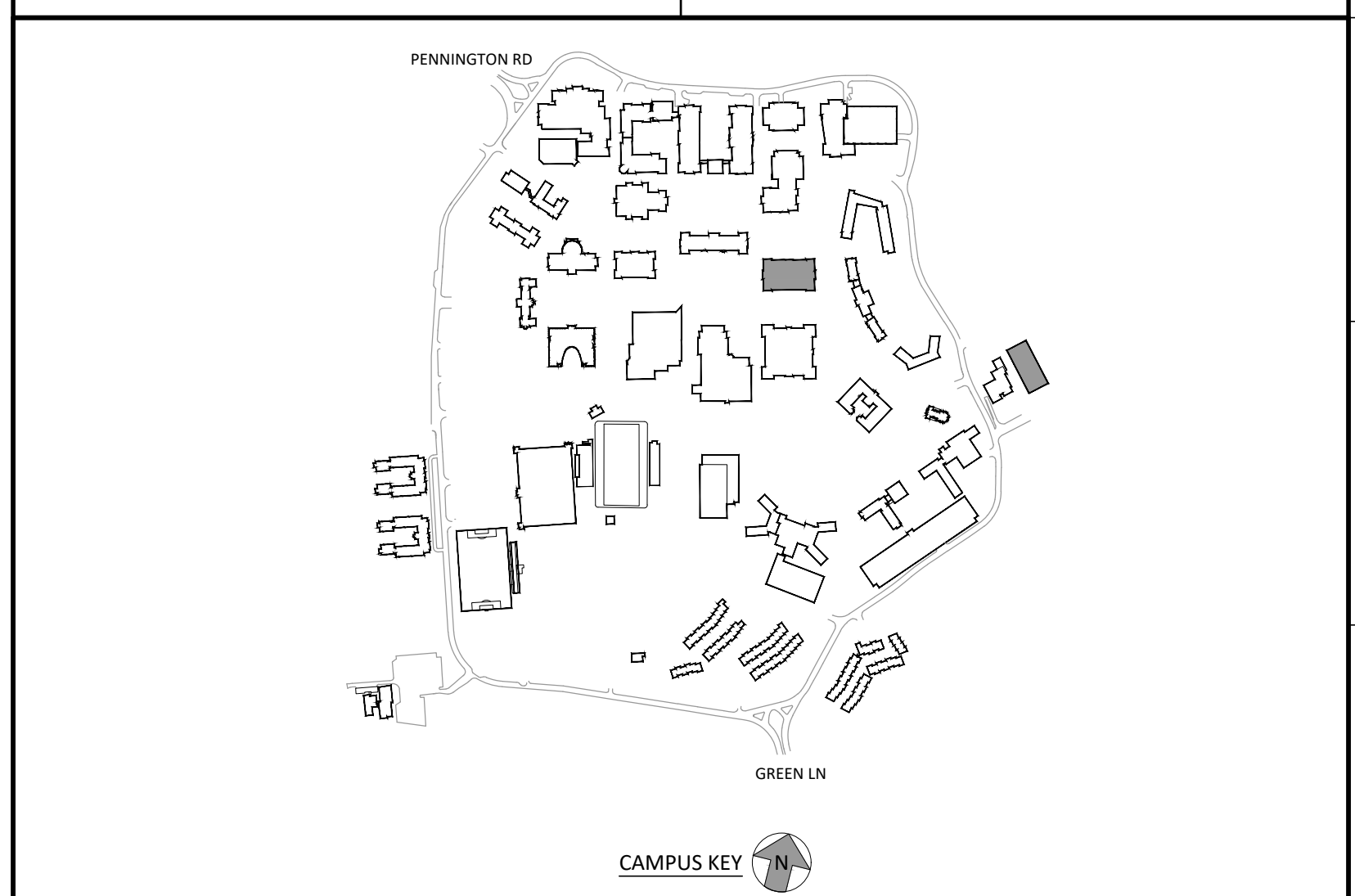
PHOTO E - EXISTING MDF
 MDF Room Located In First Floor Electric Room.



PHOTO F - EXISTING POINT OF ENTRY
 Location Of Existing Point Of Entry For Maintenance Building Pull Box Mounted On Building Exterior With Empty Conduit.

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
 CONSULTING ENGINEERS, P.C.
 265 Industrial Way West, Eatontown, N.J. 07724
 Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
 2000 PENNINGTON ROAD,
 EWING NJ, 08618

title
 INTERIOR FIBER ROUTING
 GITENSTEIN LIBRARY & MAINTENANCE BUILDING
 FIRE ALARM
 scale AS SHOWN
 drawn by AM
 checked by SG
 date 09/18/2019
 dwg. no.
FA022

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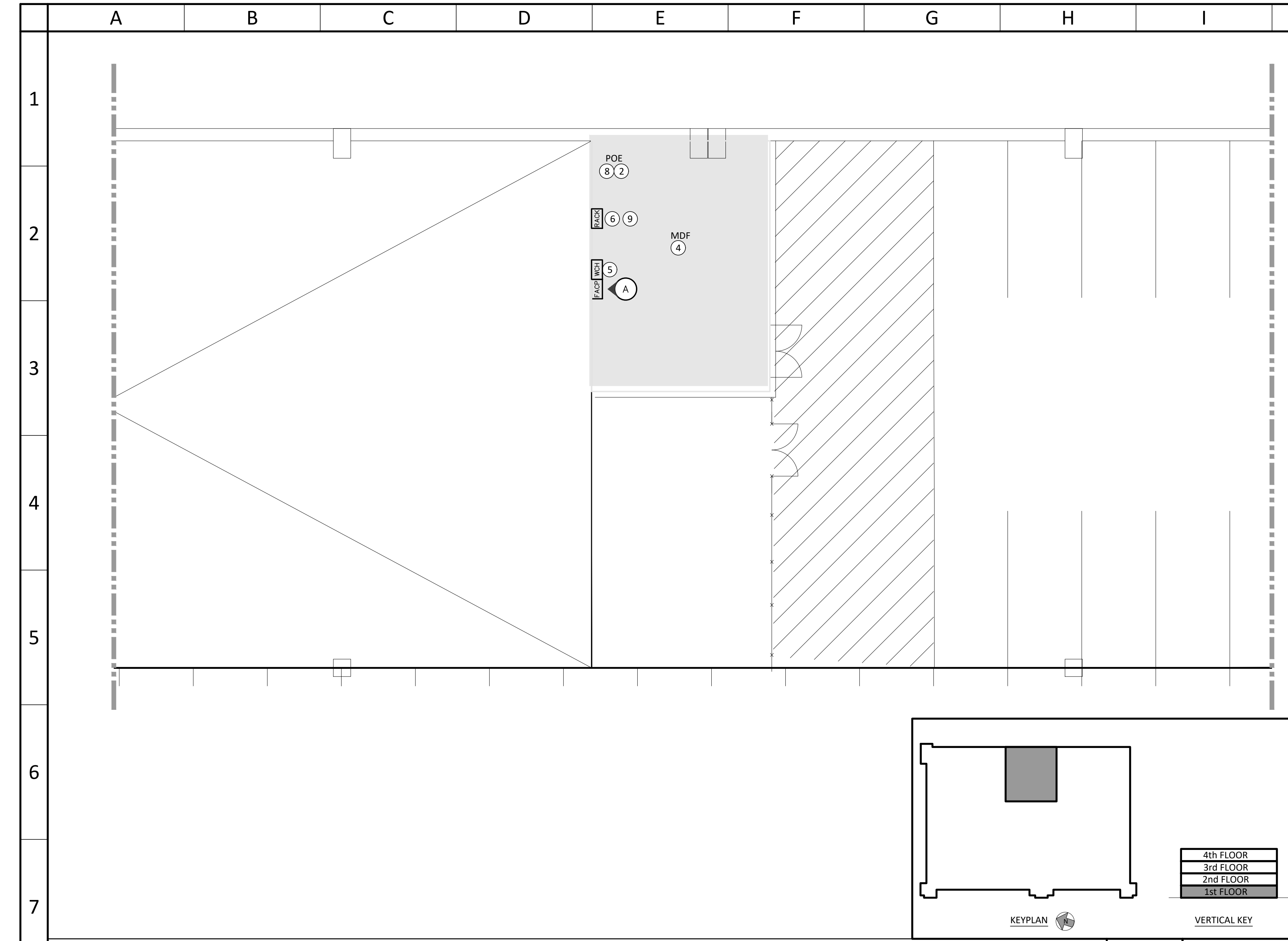


PHOTO A - EXISTING FIRE ALARM PANEL
 Existing Fire Alarm Control Panel Location

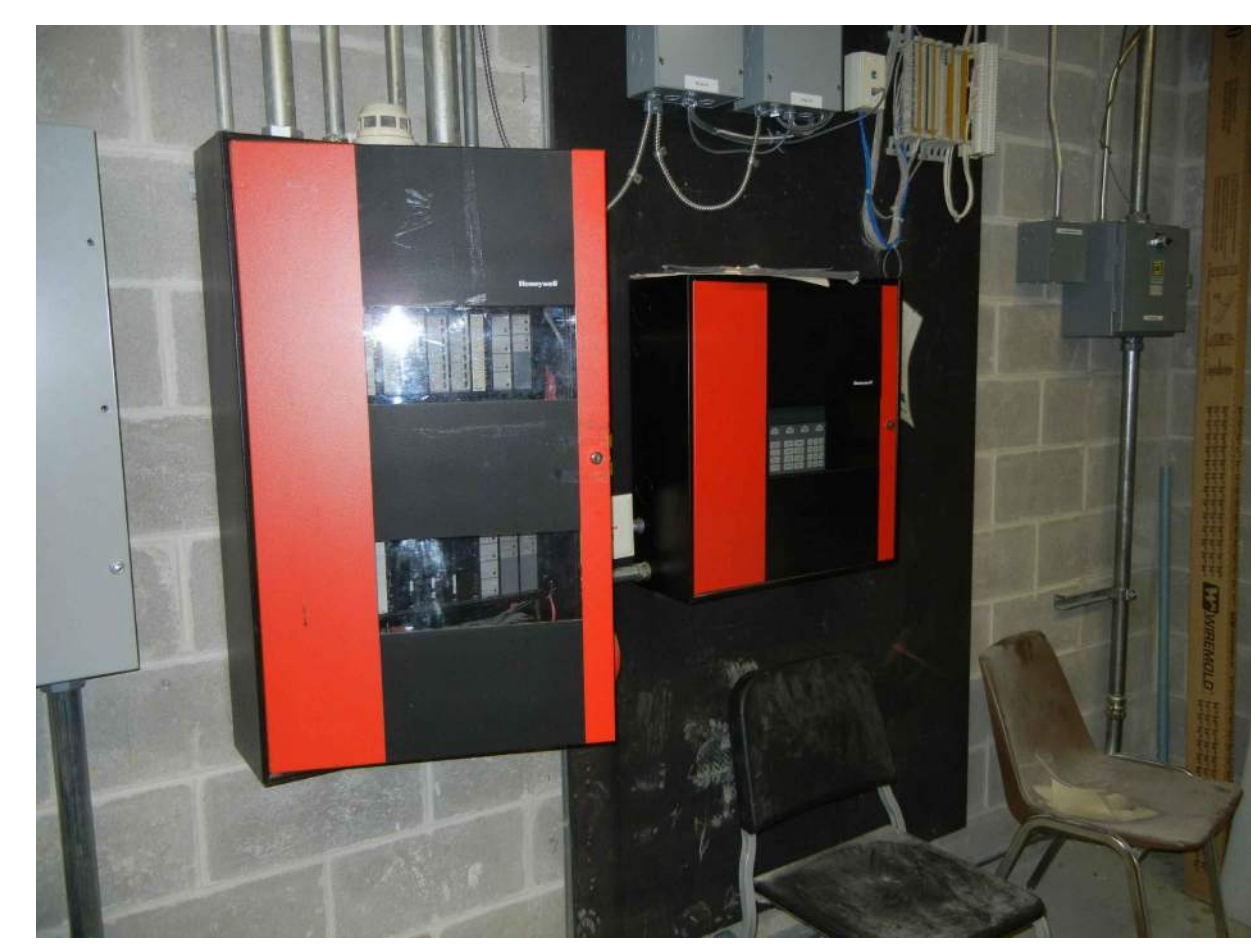
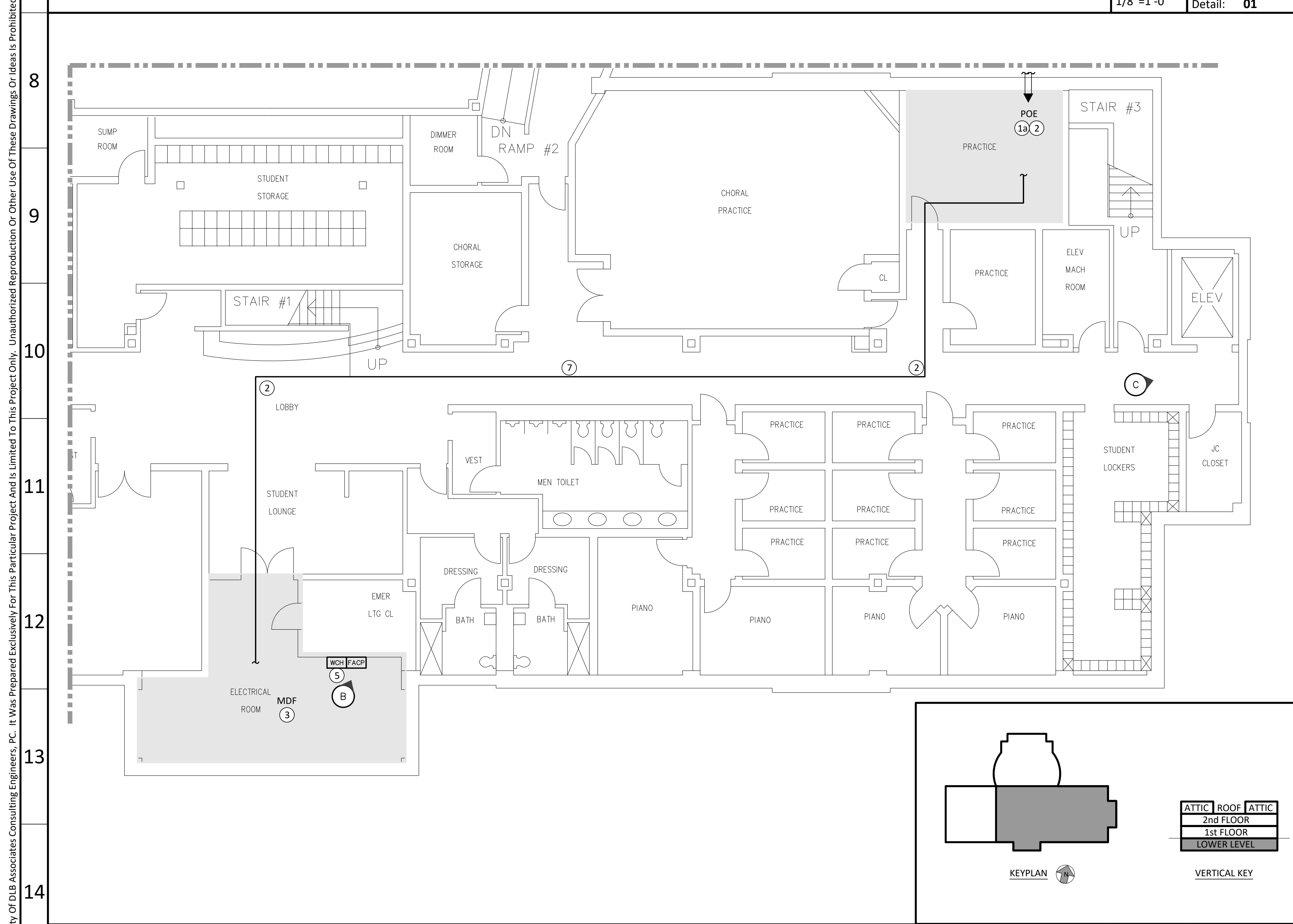


PHOTO B - EXISTING FIRE ALARM PANEL
 Existing Fire Alarm Control Panel Location



PHOTO C - LOWER LEVEL CEILING
 Route Fiber Pathway Above Existing Drop Ceiling

KEY NOTES (SYMBOLS ①, ②, ETC.)

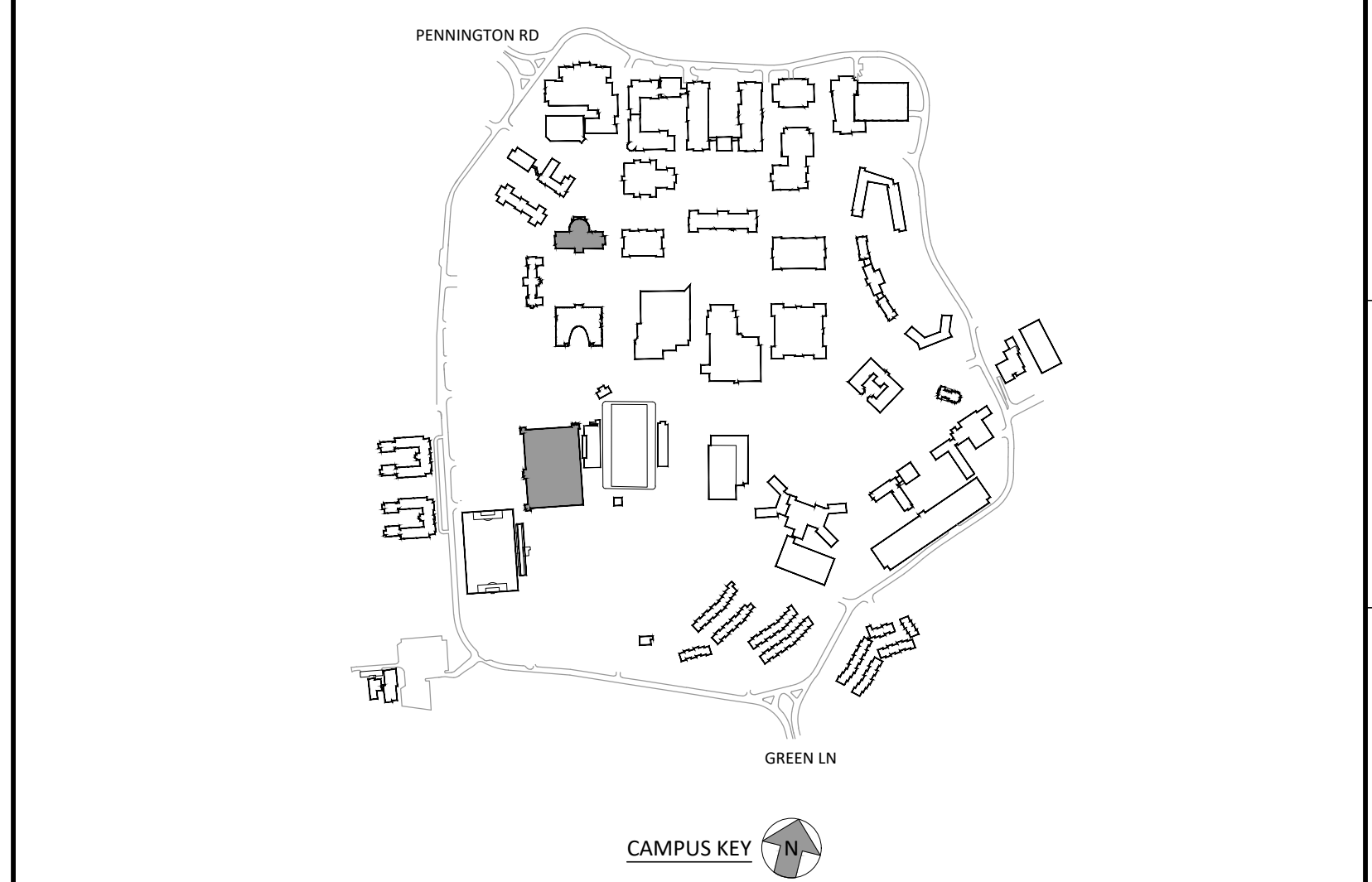
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
- Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
 - Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 - Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 - Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 - Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - Provide 30" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 - Route Fiber Pathway Above Drop Ceiling Where Possible.
 - Coordinate With TCNJ IT Department For Cable Removal. The Intent Is To Remove The Existing Fiber Cable And To Replace With A Higher Capacity Cable.
 - Contractor Shall Provide A 120V Circuit For Integral Fan And Light Power Within 30" Deep Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Space Utilizing 2#12, #12G In 3/4" Conduit With A 20 Amp, 120V Single Phase Circuit Breaker.

GENERAL NOTES

- The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
- New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
- All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
- Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions.
- All Work And Materials Shall Be New Unless Otherwise Noted.
- Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Cable Runs Noted In Plans.
- Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.
- A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



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dlb associates
 CONSULTING ENGINEERS, P.C.
 265 Industrial Way West, Eatontown, N.J. 07724
 Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

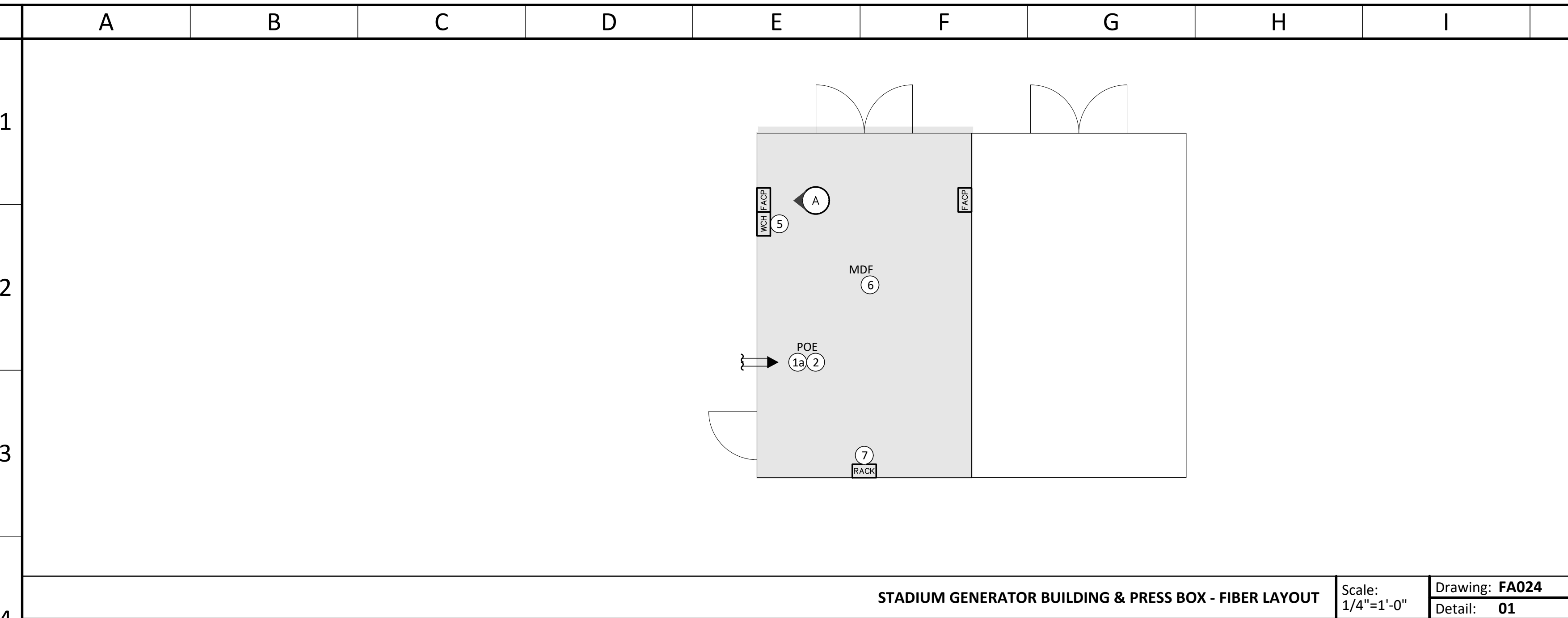
project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
 2000 PENNINGTON ROAD,
 EWING NJ, 08618

title
 INTERIOR FIBER ROUTING
 METZGER GARAGE & MUSIC BUILDING
 FIRE ALARM
 scale AS SHOWN drawn by AM checked by SG date 09/18/2019
 dwg. no.
FA023

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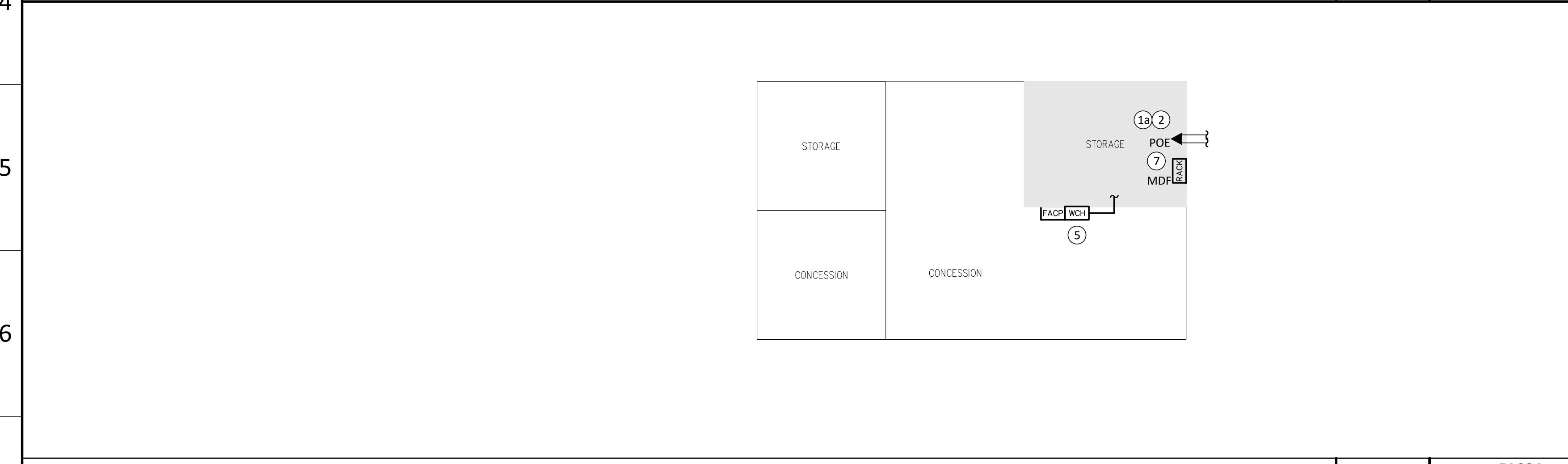
STADIUM GENERATOR BUILDING & PRESS BOX - FIBER LAYOUT Scale: 1/4"=1'-0" Drawing: FA024 Detail: 01



PHOTO A - FIRE ALARM CONTROL PANEL
Existing Fire Alarm Control Panel Located Within Stadium Generator Building

PHOTO - OVERVIEW

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
- 1a. Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
 - 1b. Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 3. Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 4. Route A 2" Conduit From Soccer Mechanical Room To Soccer Press Box MDF Room Following The Existing Conduit Routing Between The Spaces. Conduit Shall Contain (2) 12/12 Fiber Cables. This Includes One From The Softball Pressbox To The Soccer MDF Room And Second From Soccer MDF Room To Wall Mounted Connector Housing (WCH) For The Fire Alarm Control Panel.
 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. New Conduit And Hybrid 12/12 Fiber Cable From MDF to Stadium Press Box.
 7. Provide 12" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 8. Fiber Route From Admin Splice To Softball Pressbox And From Softball Press Box To Soccer Press Box Are Two Separate Runs.
 9. Provide 30" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 10. Contractor Shall Provide A 120V Circuit For Integral Fan And Light Power Within 30" Deep Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Space Utilizing 2#12, #12G In 3/4" Conduit With A 20 Amp, 120V Single Phase Circuit Breaker.



STADIUM CONCESSION STAND - FIBER LAYOUT Scale: 1/4"=1'-0" Drawing: FA024 Detail: 02

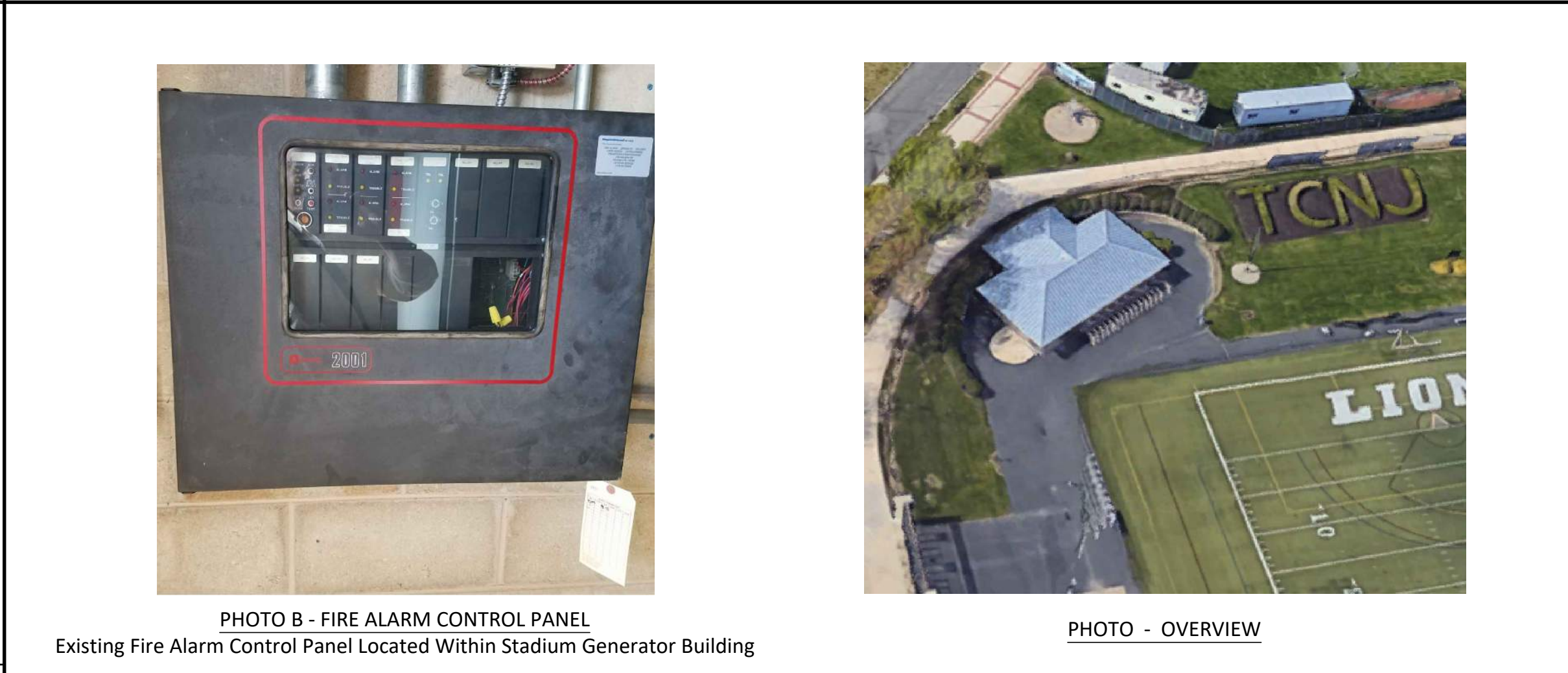
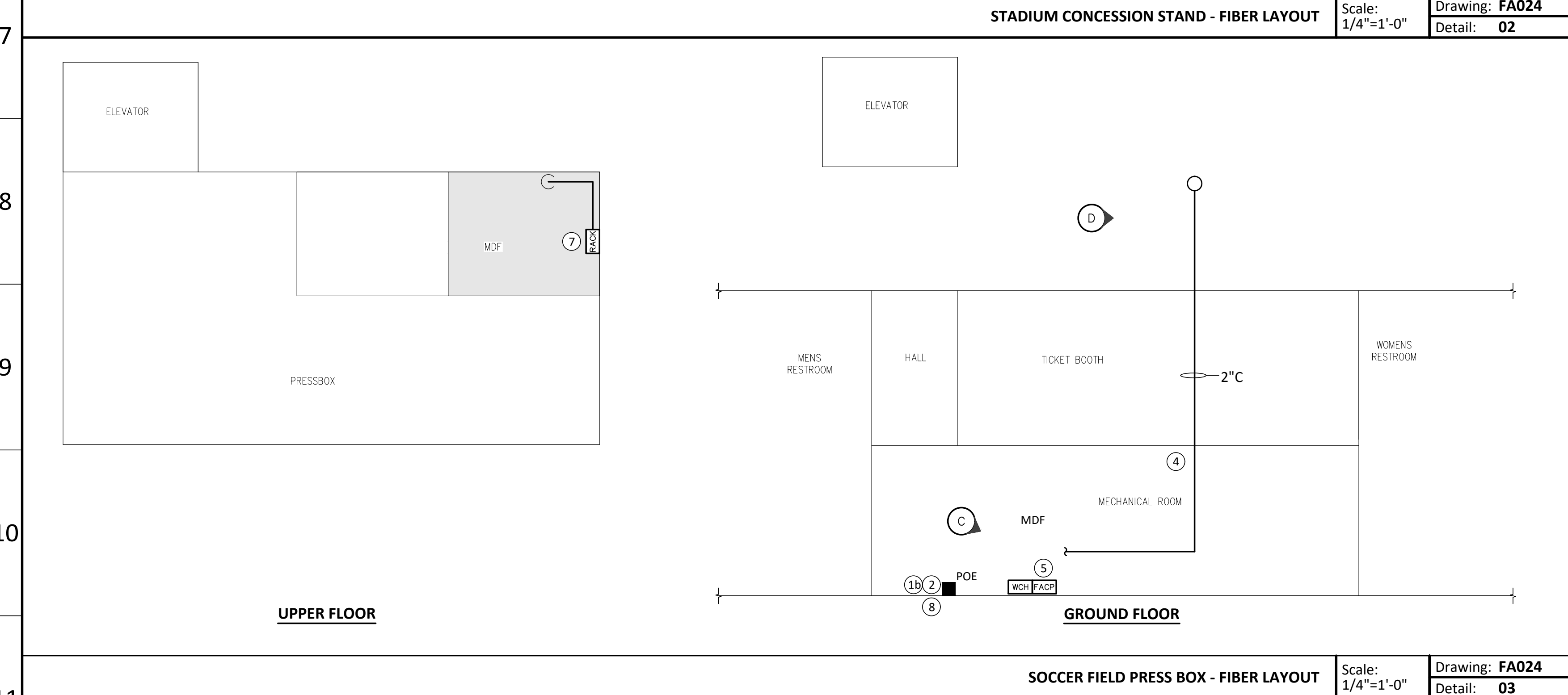


PHOTO B - FIRE ALARM CONTROL PANEL
Existing Fire Alarm Control Panel Located Within Stadium Generator Building

PHOTO - OVERVIEW

- GENERAL NOTES**
1. The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
 2. New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
 3. All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions.
 5. All Work And Materials Shall Be New Unless Otherwise Noted.
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SOCCER FIELD PRESS BOX - FIBER LAYOUT Scale: 1/4"=1'-0" Drawing: FA024 Detail: 03

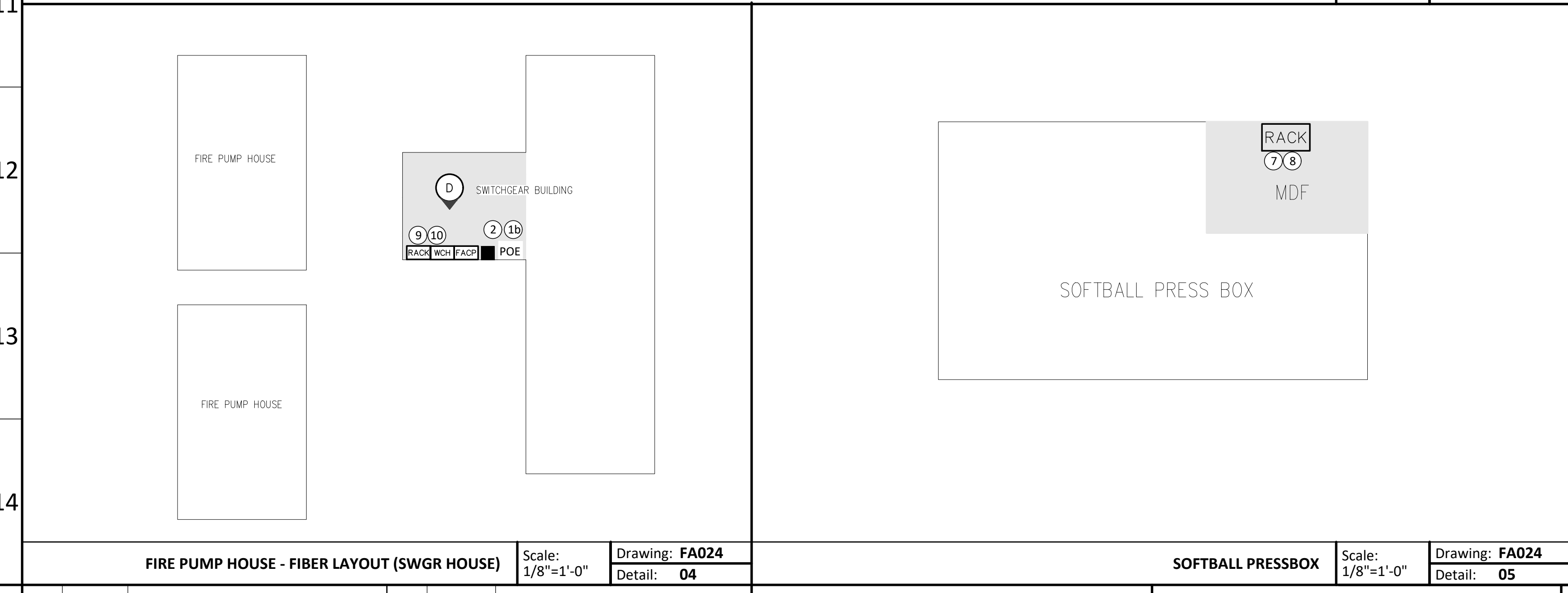


PHOTO C - MECHANICAL ROOM
Ground Level Mechanical Room Space

PHOTO D - CONDUIT ROUTING
Route New Fiber Pathway Similar To The Existing Conduit Runs That Are Routed Under The Second Floor Press Box And Up Into The Mechanical Room.

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		Existing POE
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		

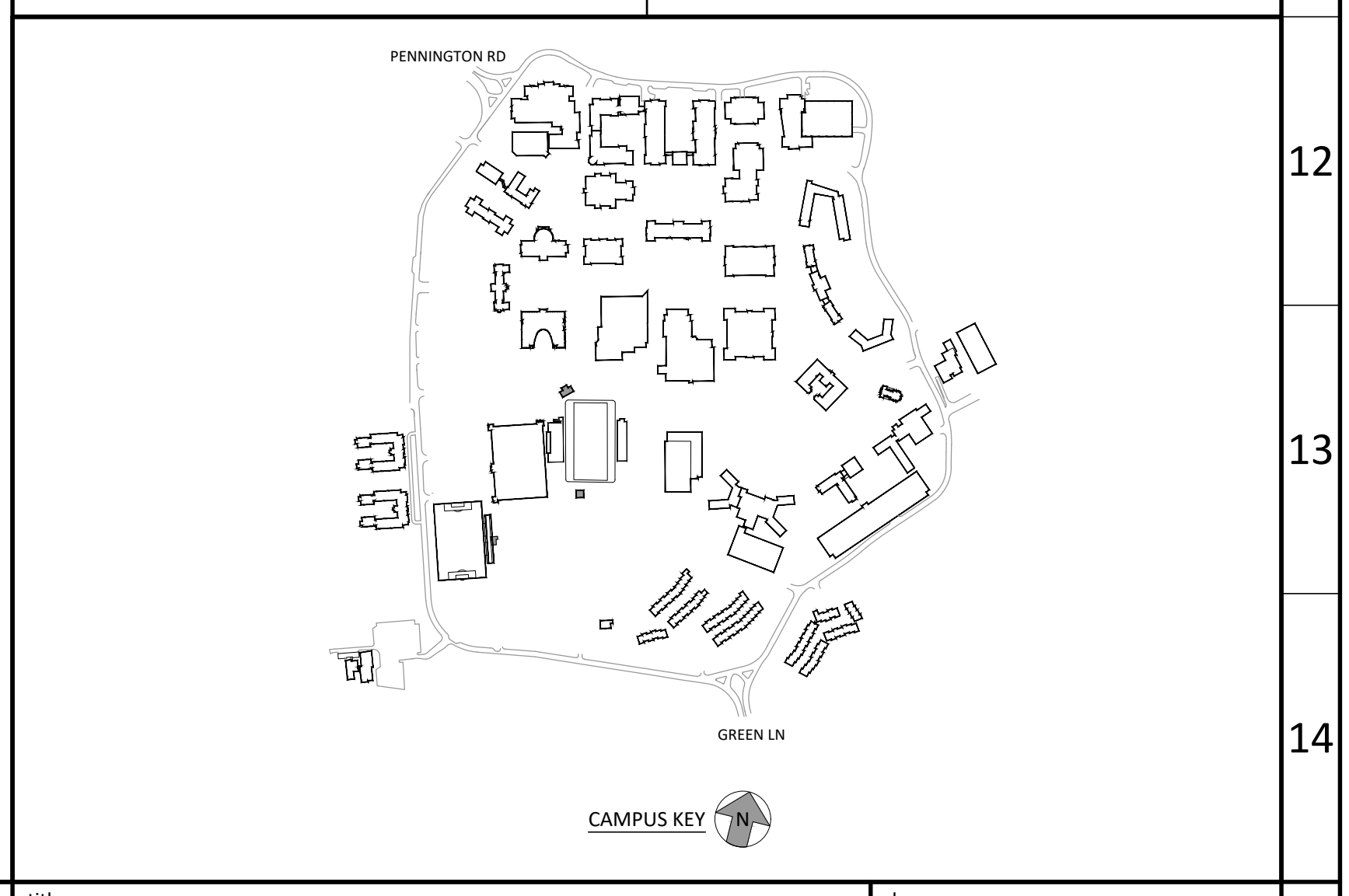


FIRE PUMP HOUSE - FIBER LAYOUT (SWGR HOUSE) Scale: 1/8"=1'-0" Drawing: FA024 Detail: 04

SOFTBALL PRESSBOX Scale: 1/8"=1'-0" Drawing: FA024 Detail: 05



PHOTO D - FIRE ALARM CONTROL PANEL
Fire Alarm Panel Located In Fuel Cell Building



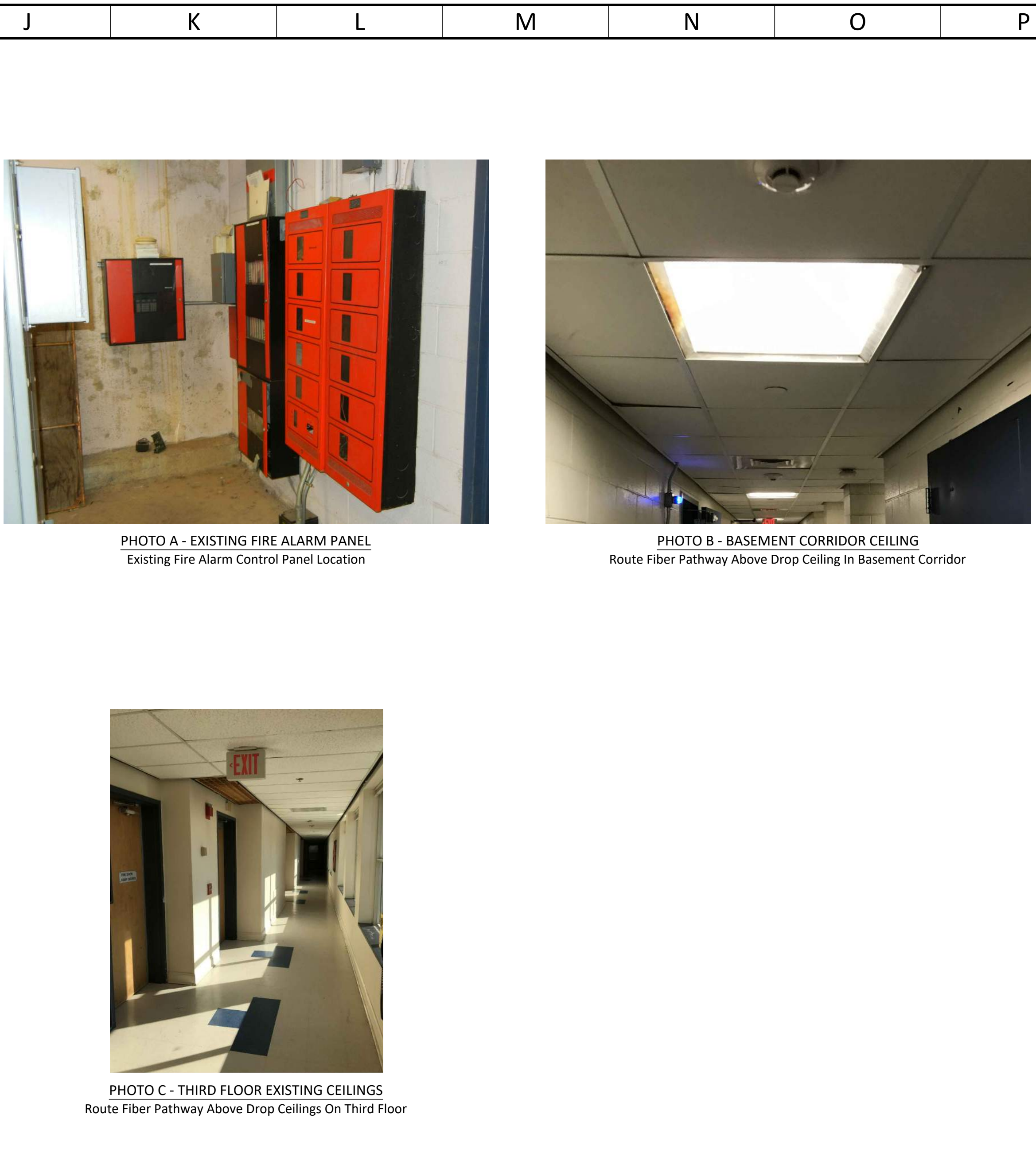
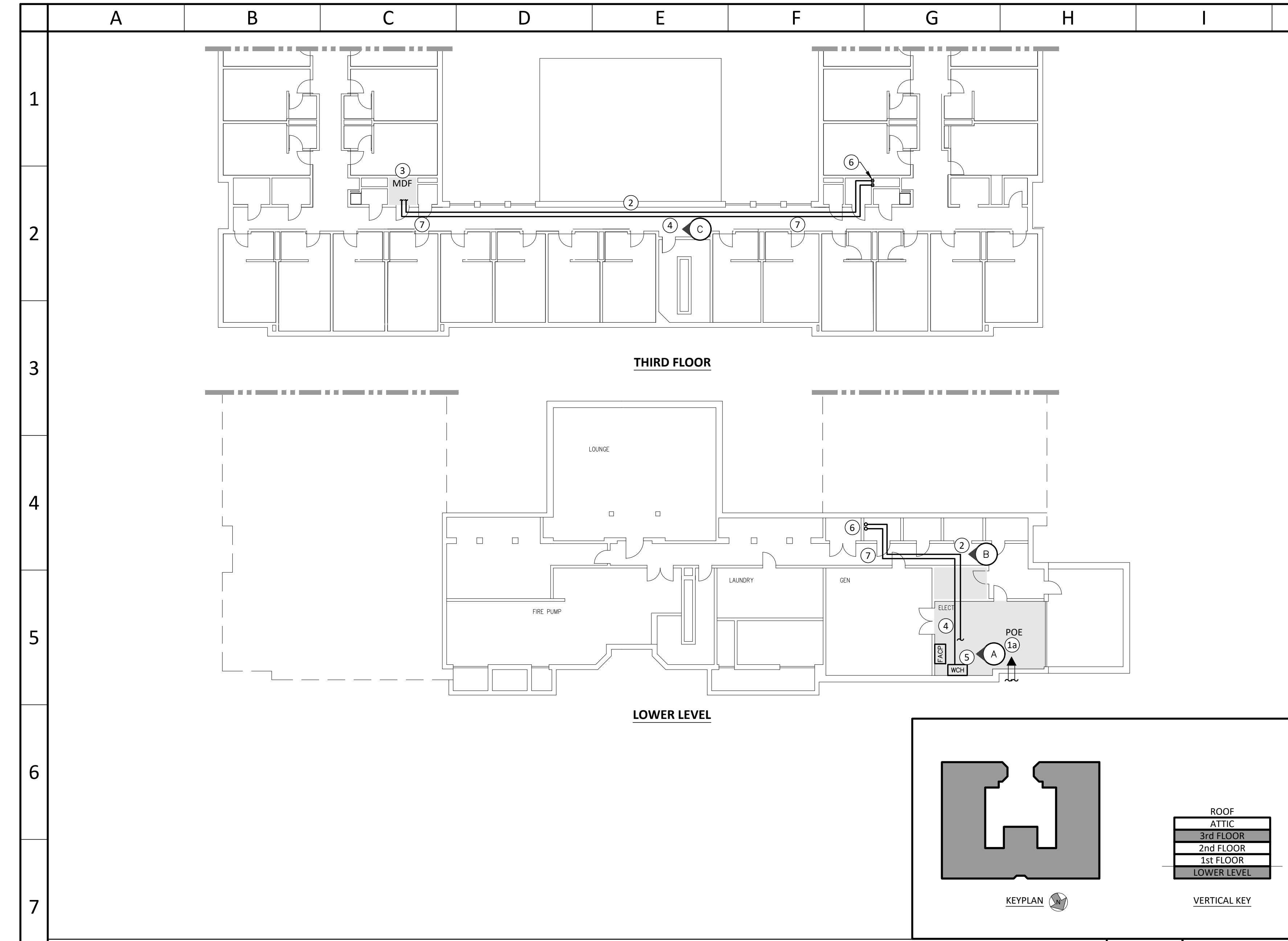
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title	INTERIOR FIBER ROUTING STADIUM & SOCCER FIELD BUILDINGS FIRE ALARM						
project	TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD, EWING NJ, 08618						
dwg. no.	FA024						

ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618



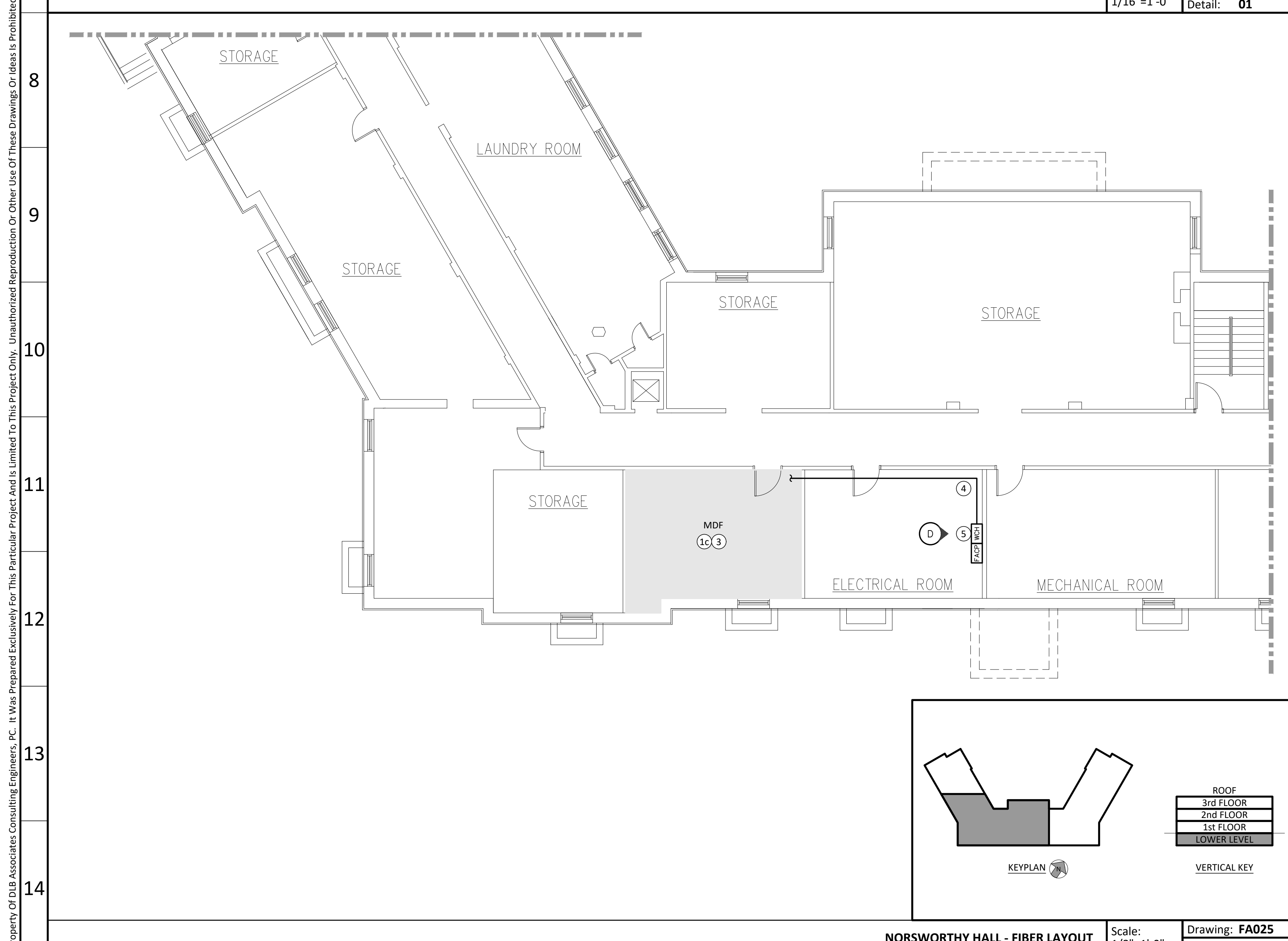
KEY NOTES (SYMBOLS ①, ②, ETC.)

KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS

- Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
- Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
- Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
- Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
- Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
- Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
- New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
- Core Drill All Floor Penetrations To Route Fiber From Point Of Entry Within Lower Level To Main Distribution Frame (MDF) On Third Floor. Route From MDF To Wall Mounted Connector Housing (WCH) Within Lower Level. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
- Route Fiber Pathway Above Drop Ceiling Where Possible.

GENERAL NOTES

- The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
- New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
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PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		

CAMPUS KEY

ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
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dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
**INTERIOR FIBER ROUTING
NEW RESIDENCE & NORSWORTHY HALL
FIRE ALARM**

scale AS SHOWN drawn by AM checked by SG date 09/18/2019

dwg. no.
FA025

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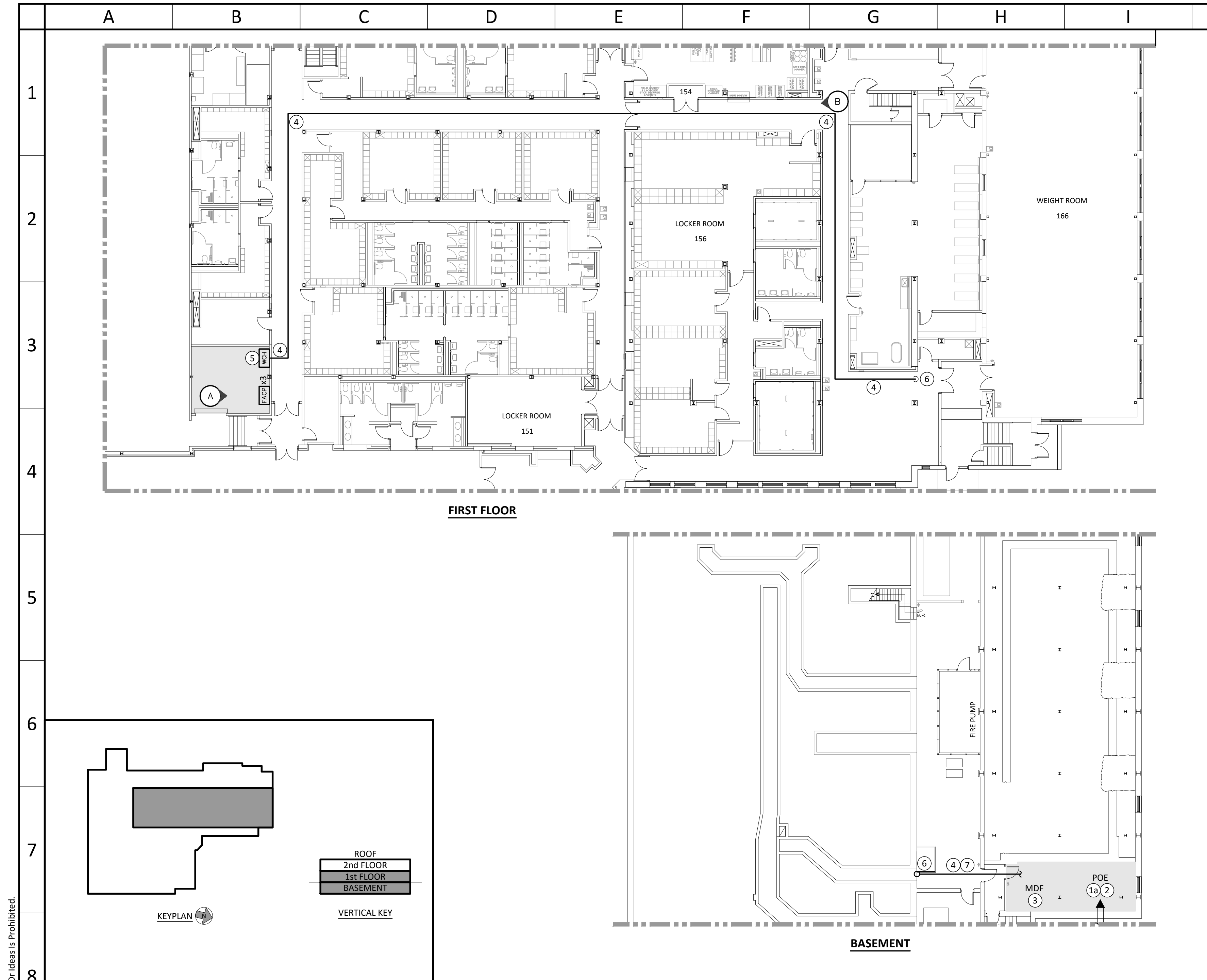


PHOTO A - FIRE ALARM CONTROL PANELS
 Fire Alarm Control Panels And Fire Alarm Remote Annunciator With Exposed Conduit Located Within First Floor Electrical Room

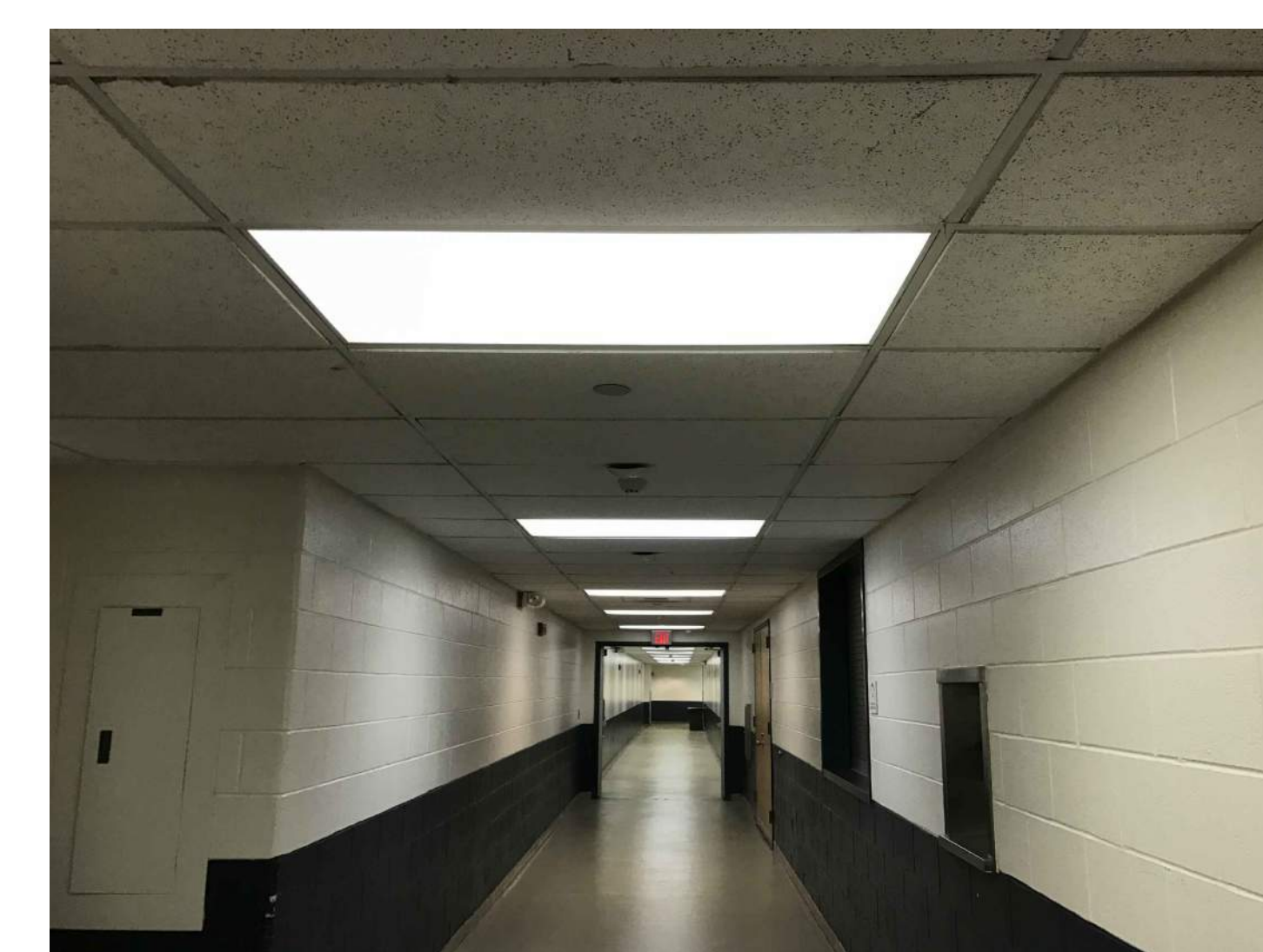


PHOTO B - EXISTING CEILING CONDITIONS
 Route Fiber Pathway Above Existing Drop Ceilings Within Corridors

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
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 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - Core Drill All Floor Penetrations To Route From MDF In Basement To Wall Mounted Connector Housing (WCH) Within First Floor. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 - Route Fiber Pathway Above Drop Ceiling Where Possible.
- GENERAL NOTES**
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	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		

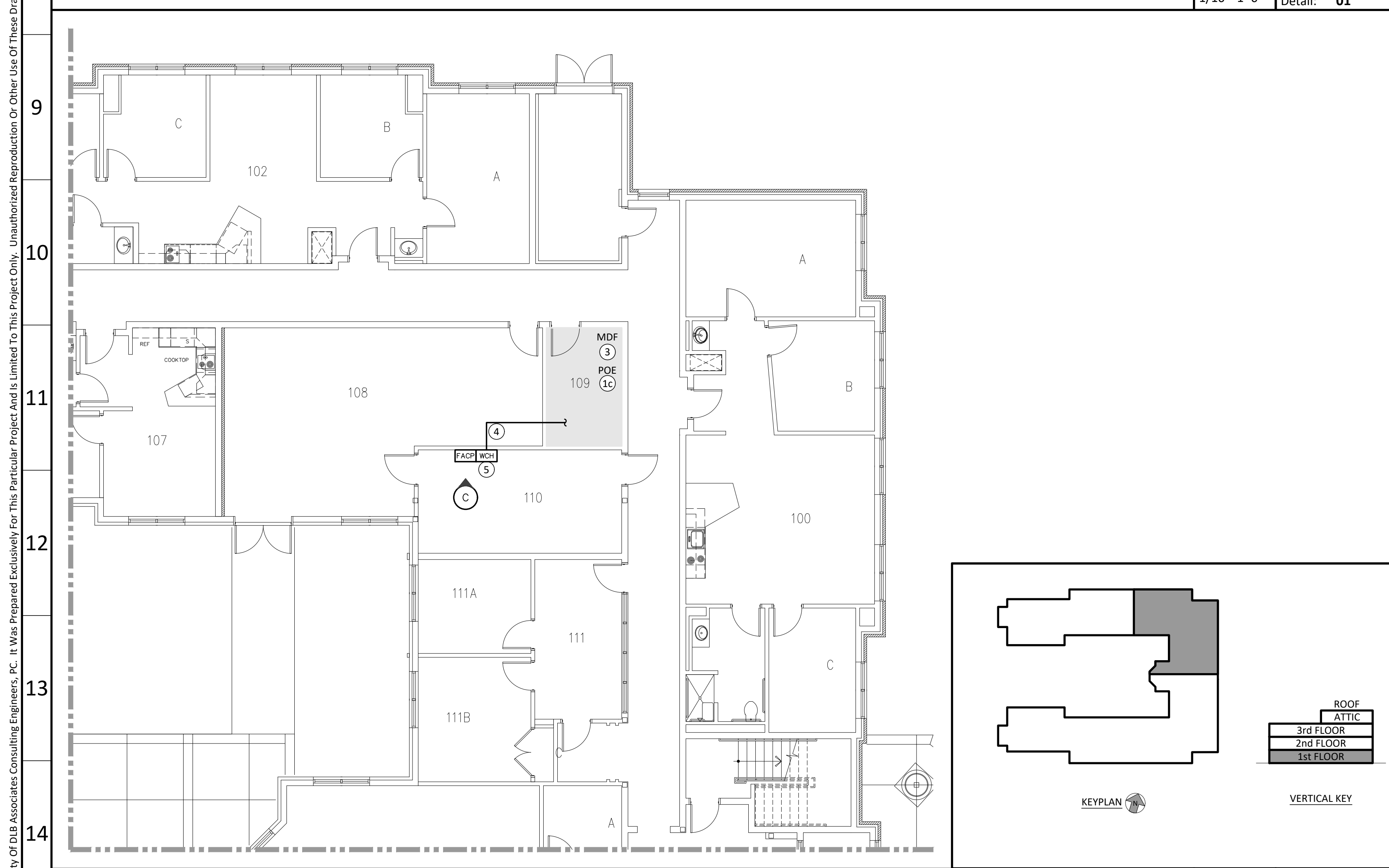
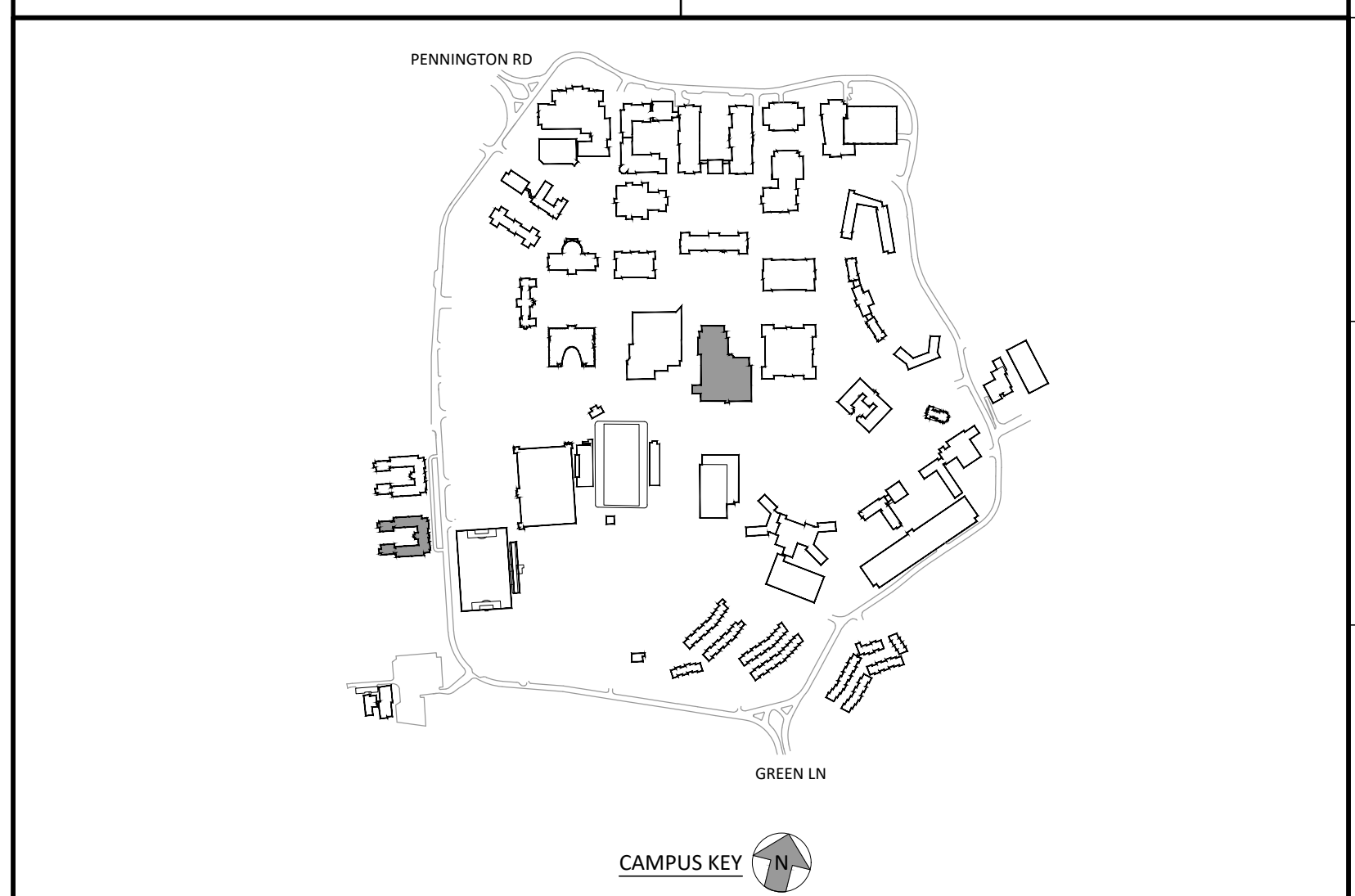


PHOTO C - FIRE ALARM CONTROL PANEL
 Fire Alarm Control Panel With Exposed Conduit Located Within First Floor Electrical Room



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
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dlb associates
 CONSULTING ENGINEERS, P.C.
 265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
 2000 PENNINGTON ROAD,
 EWING NJ, 08618

title
 INTERIOR FIBER ROUTING
 PACKER HALL & PHELPS HALL
 FIRE ALARM

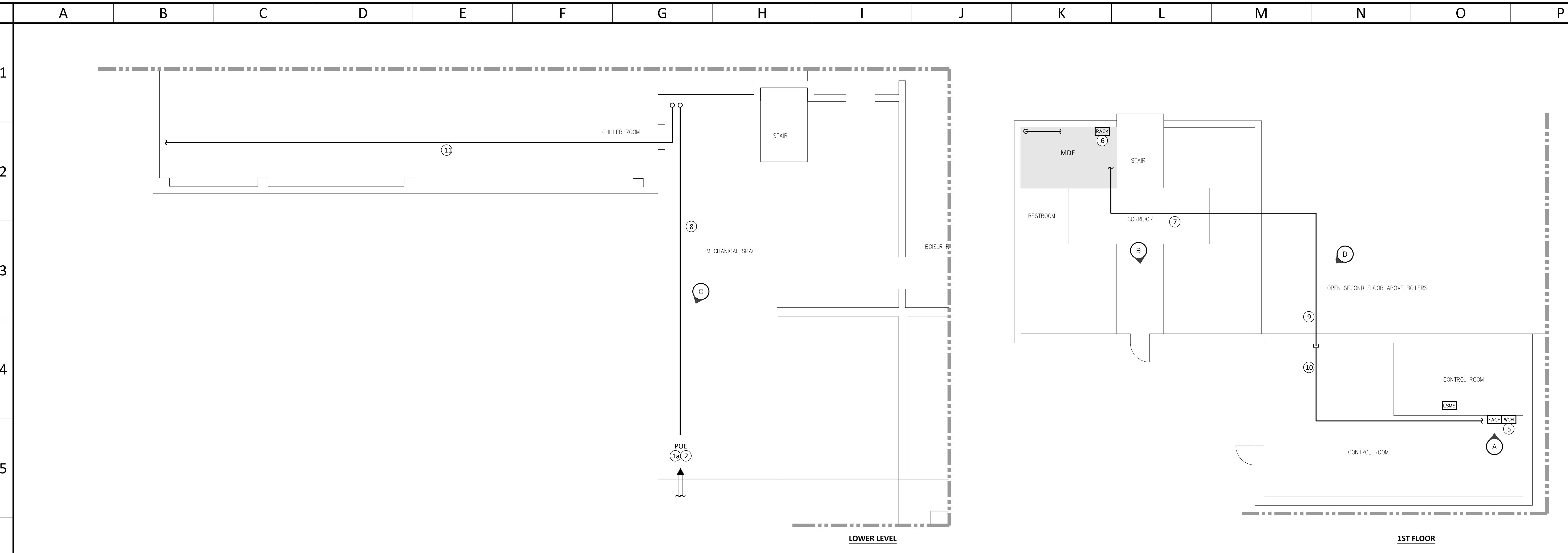
scale AS SHOWN drawn by AM checked by SG date 09/18/2019

dwg. no.
FA026

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- KEY NOTES (SYMBOLS ①, ②, ETC.)**
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
- 1a. Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
 - 1b. Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 3. Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Provide 30" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 7. Route Fiber Pathway Above Drop Ceiling Where Possible.
 8. Route 4" Conduit From POE As High As Possible Along Mechanical Basement Ceiling. Core Drill Ceiling And Route Conduit Up Into MDF Room. Contractor To Coordinate Conduit Routing With Existing Field Conditions.
 9. Route (1) 4" Conduit From MDF Room Through Boiler Room And Into Ceiling Above Control Room. Conduit Shall Have (3) 1-1/4" Innerducts. Contractor Shall Coordinate Routing With Existing Field Conditions And Core Penetrations As Required.
 10. Route Innerduct To Wall Mounted Connector Housing (WCH) In Control Room Containing 12/12 Hybrid Fire Alarm Fiber From MDF Room Cabinet Connector Housing. Conduit Shall Be Mounted Tight To Ceiling / As High As Possible.
 11. Route With One 4" Conduit (3 Innerduct) Containing Fiber Cable From MDF Room Through Chiller Plant To Location Of Existing POE For Connection To Maintenance Building. Follow Routing Of Existing Fiber Pathway.
 12. Contractor Shall Provide A 120V Circuit For Integral Fan And Light Power Within 30" Deep Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Space Utilizing 2#12, #12G In 3/4" Conduit With A 20 Amp, 120V Single Phase Circuit Breaker.

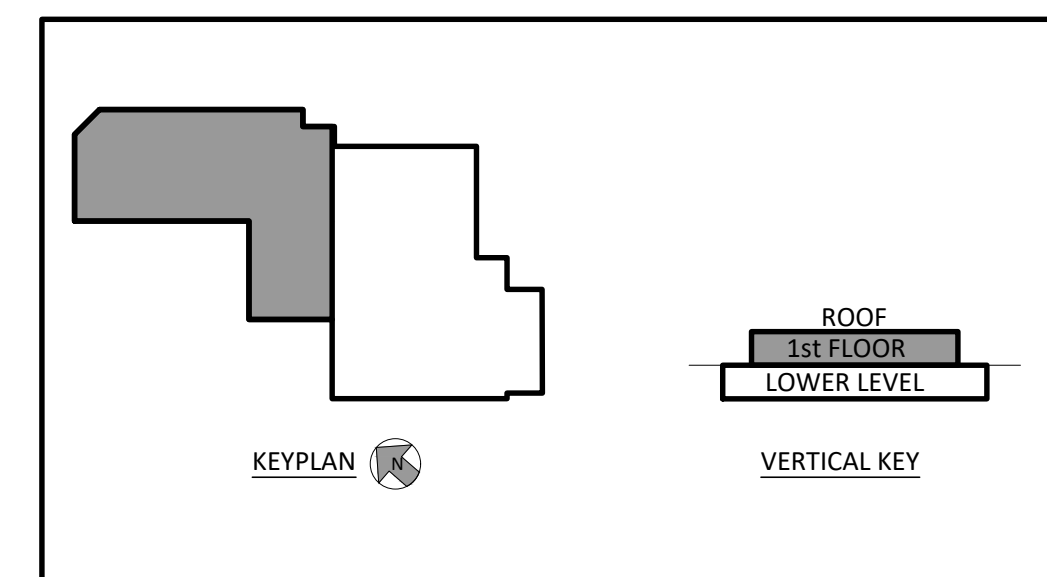


PHOTO A - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel Location On Control Room Wall.

PHOTO B - EXISTING CEILING CONDITIONS
Route Fiber Pathway Above Drop Ceiling Located Throughout First Floor

PHOTO C - BASEMENT CEILING AND POE
Route Fiber Pathway As High As Possible Amongst The Other Mechanical Infrastructure In Basement Area.

PHOTO D - BOILER ROOM VAULTED CEILING
Route Fiber Pathway Along Wall Entering From Corridor Ceiling And Exiting Above Control Room Ceiling (Photo Above Shows Existing Conduits Entering Control Room Ceiling Area). New Fiber Pathway To Be Routed Similar To Existing Routing



POWERHOUSE - FIBER LAYOUT
Scale: 1/8"=1'-0"
Drawing: FA027
Detail: 01

- GENERAL NOTES**
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 3. All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions.
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 6. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Cable Runs Noted In Plans.
 7. Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.
 8. A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

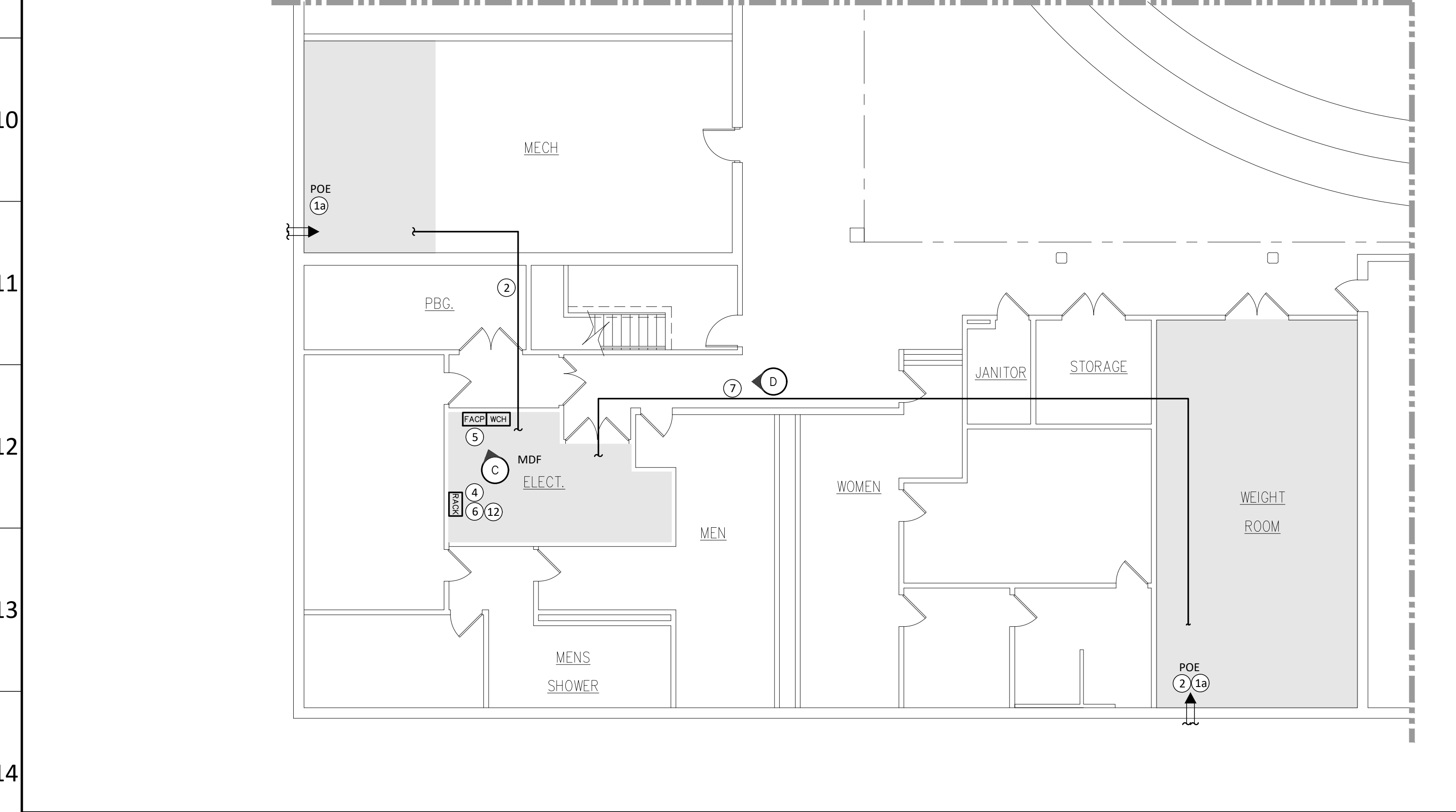


PHOTO C - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel Location In Electrical Room.



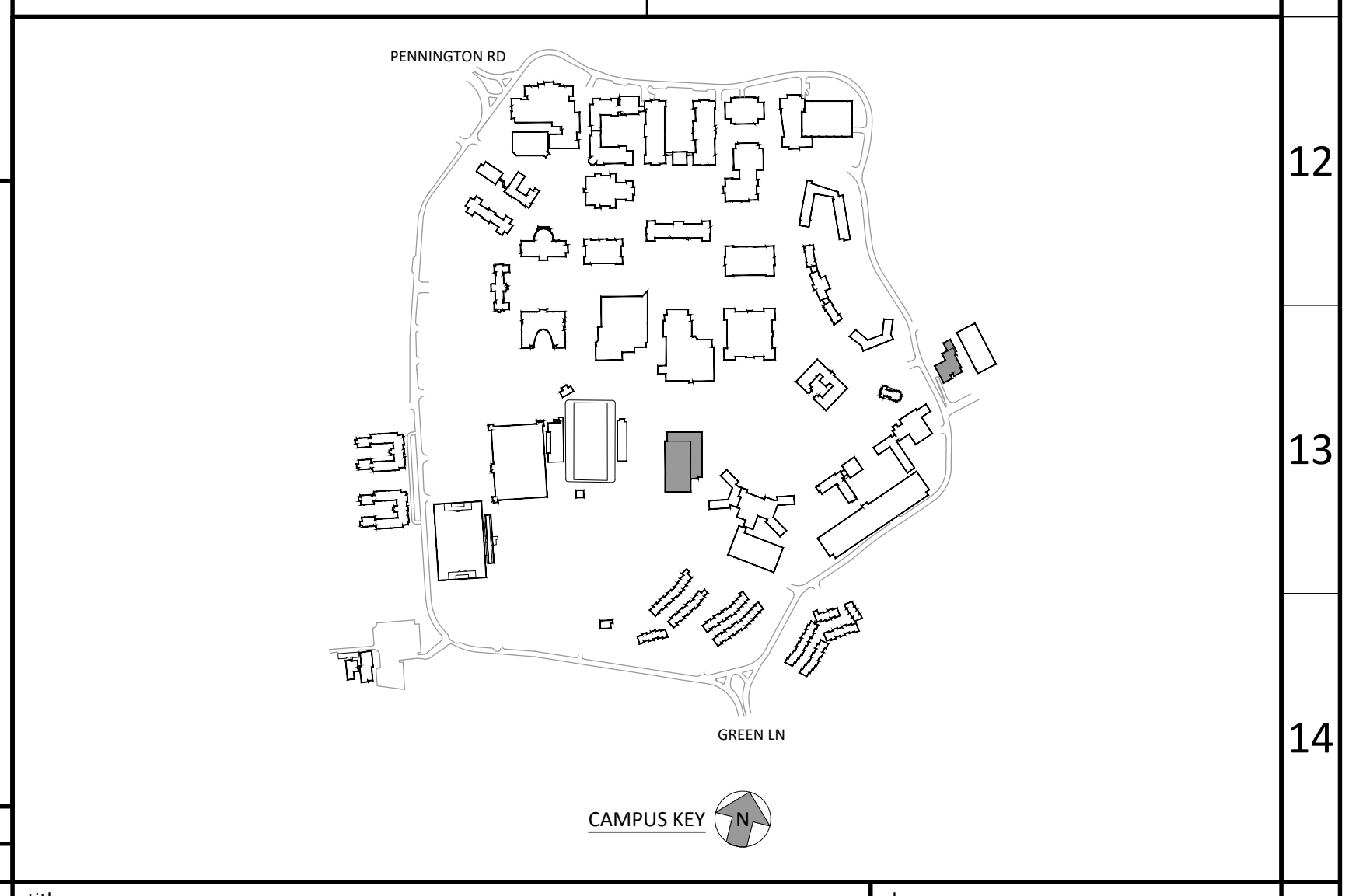
PHOTO D - BASEMENT CEILING
Route Fiber Pathway Above Existing Basement Drop Ceiling



RECREATION CENTER - FIBER LAYOUT
Scale: 1/8"=1'-0"
Drawing: FA027
Detail: 02

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		Photo Identification Tag
	Wall Mounted Connector Housing		Connect To Existing
	IT Rack		MDF / POE
	Life Safety Management System		



CAMPUS KEY

project: TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD, EWING NJ, 08618

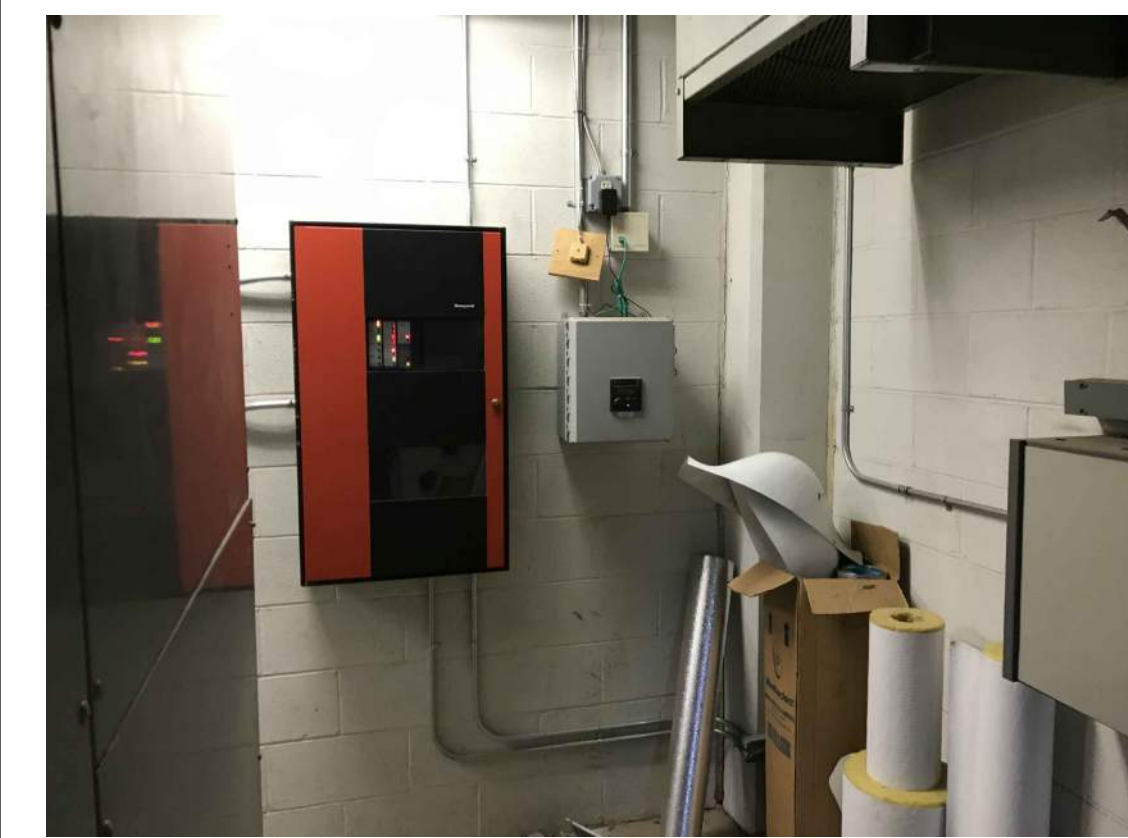
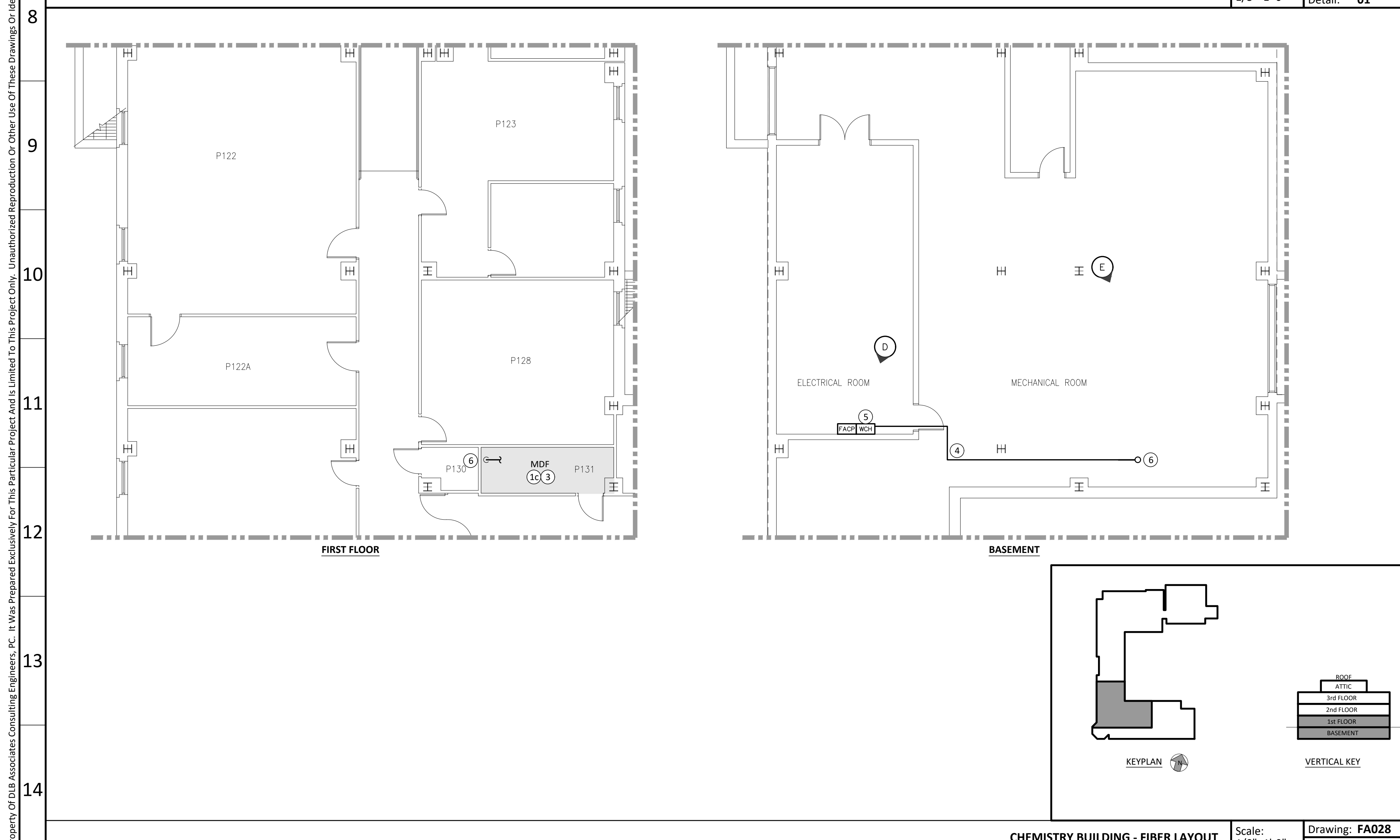
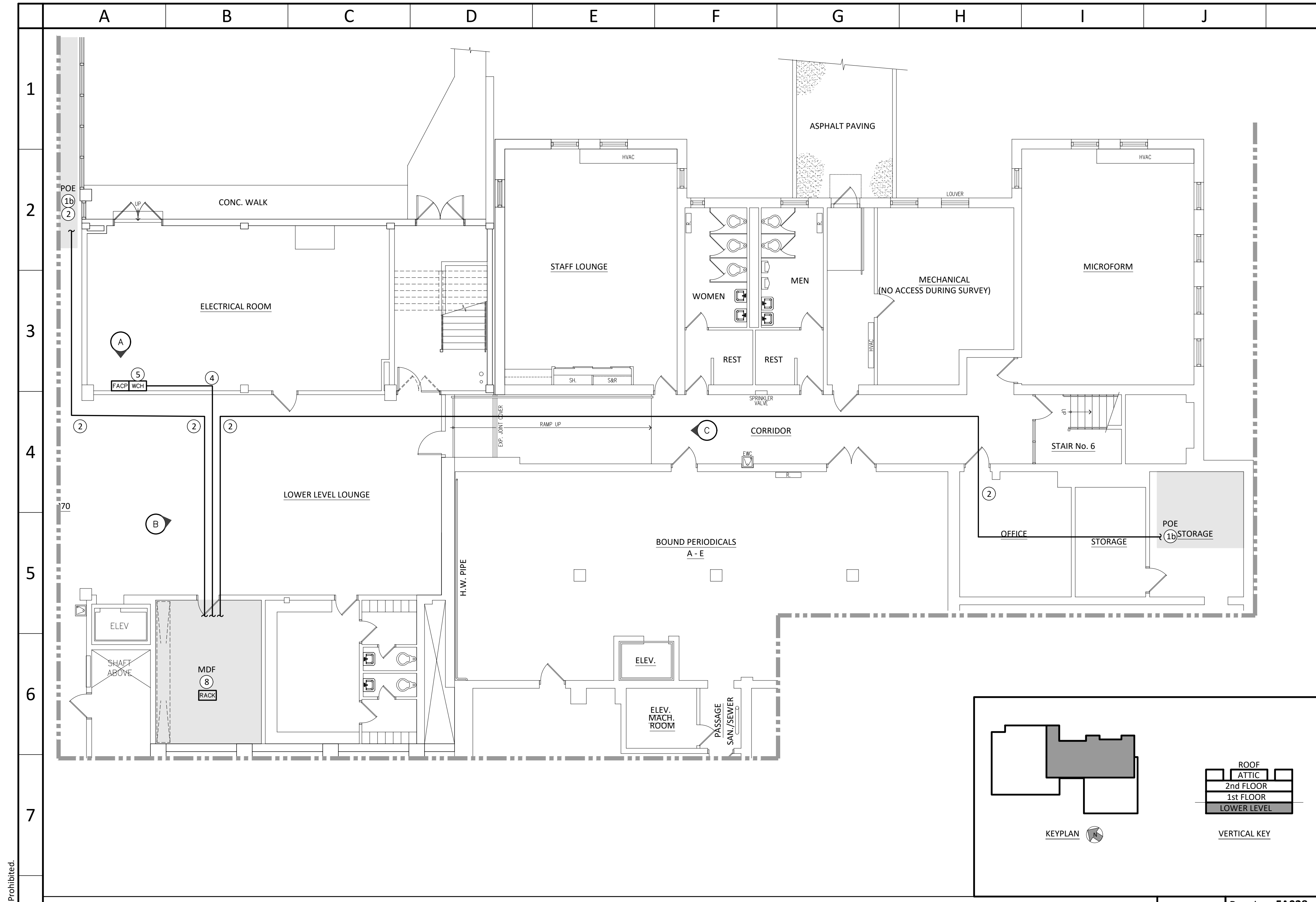
title: INTERIOR FIBER ROUTING POWERHOUSE & RECREATION CENTER FIRE ALARM
dwg. no.: FA027

scale: AS SHOWN
drawn by: AM
checked by: SG
date: 09/18/2019

ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

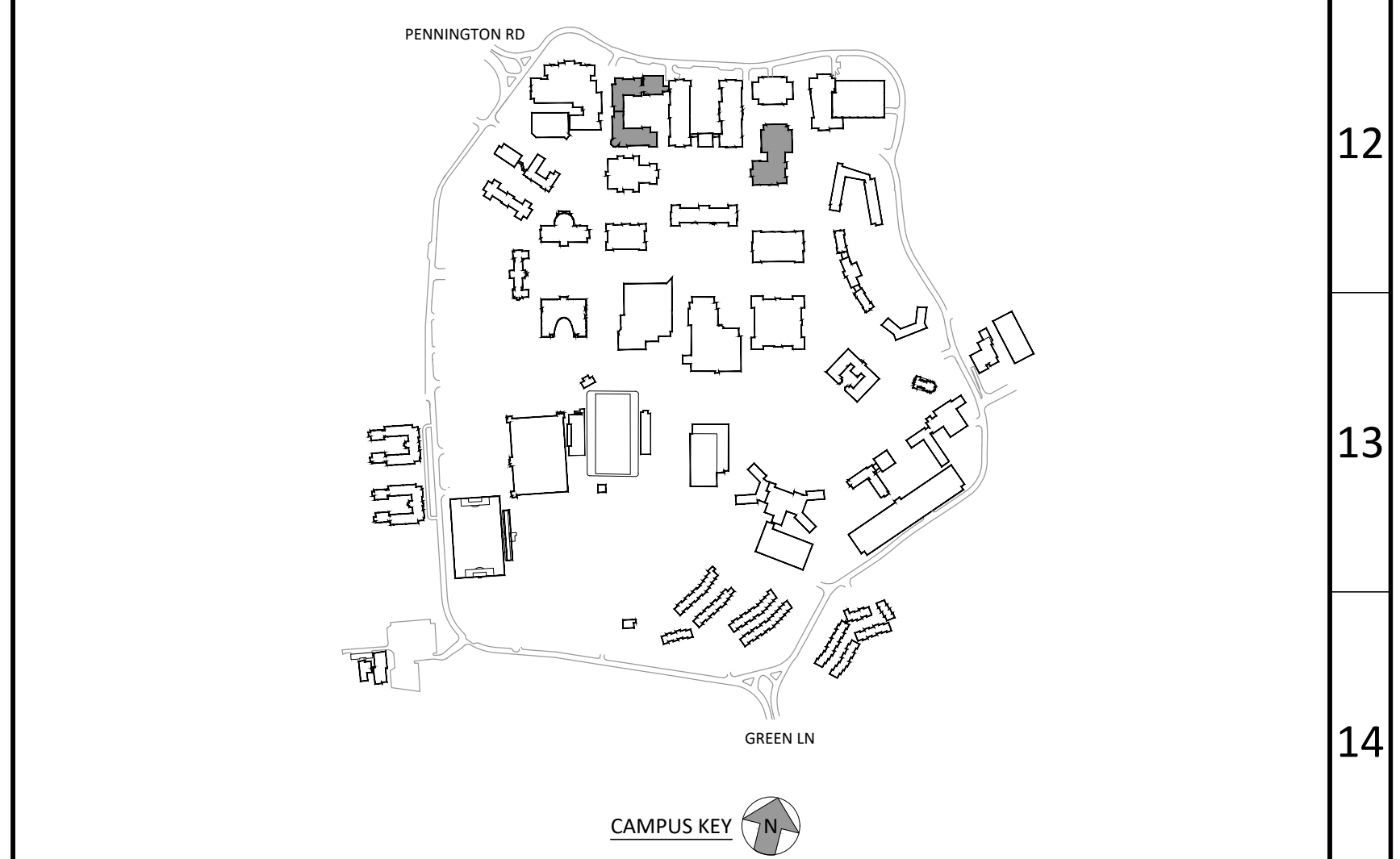
Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

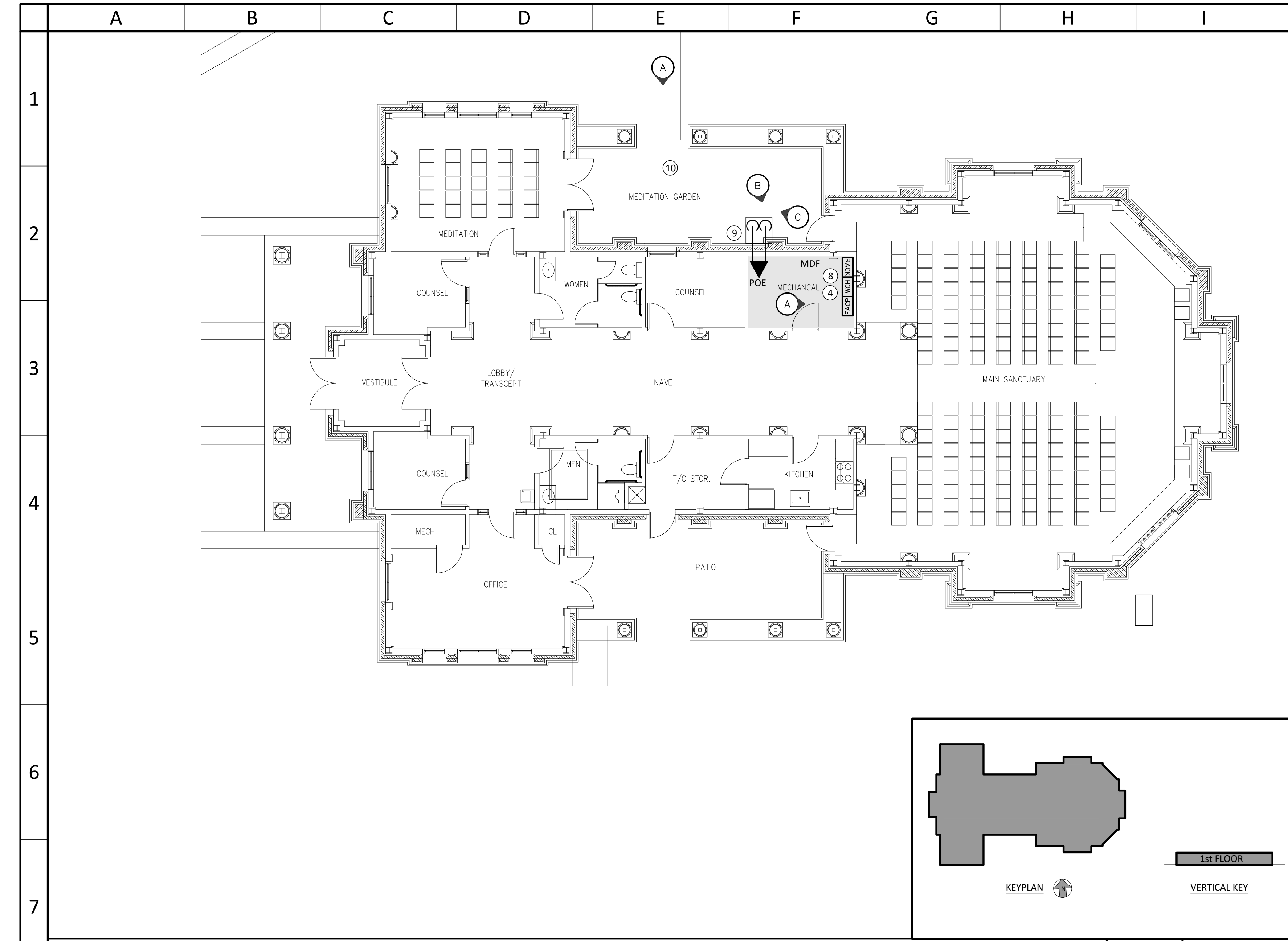


- KEY NOTES (SYMBOLS ①, ②, ETC.)**
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 - Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 - Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 - Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 - Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - Core Drill All Floor Penetrations To Route Fiber From Main Distribution Frame (MDF) On The First Floor To The Wall Mounted Connector Housing (WCH) Within Basement. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 - Route Fiber Pathway Above Drop Ceiling Where Possible.
 - Provide Two Post Rack. Terminate Fiber Within New Cable Connector Housing Within New Rack. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
- GENERAL NOTES**
- The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
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 - Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Cable Runs Noted In Plans.
 - Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.
 - A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

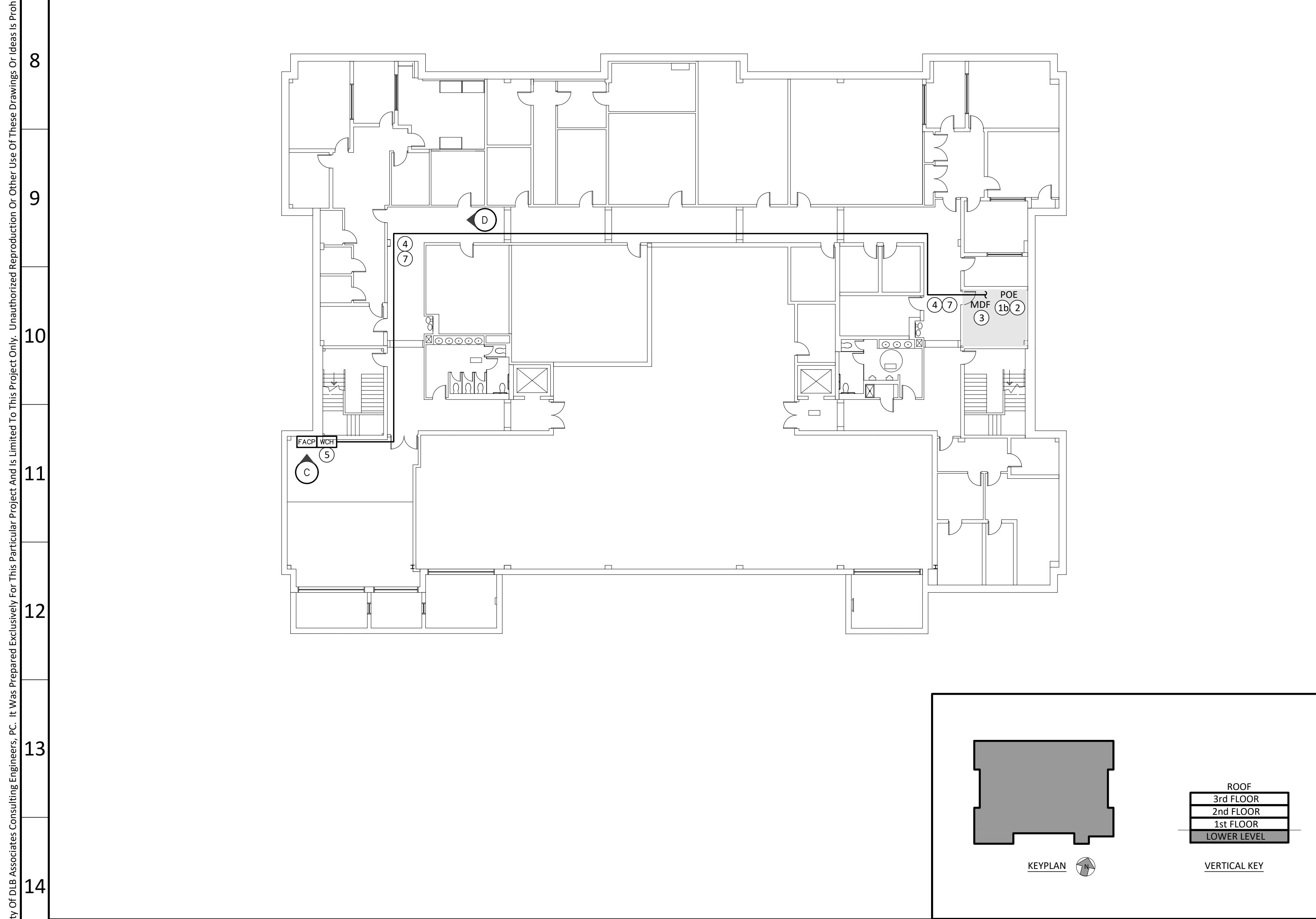
PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		





SPIRITUAL CENTER - FIBER LAYOUT Scale: 1/8"=1'-0" Drawing: FA029 Detail: 01



SOCIAL SCIENCE - FIBER LAYOUT Scale: 1/16"=1'-0" Drawing: FA029 Detail: 02

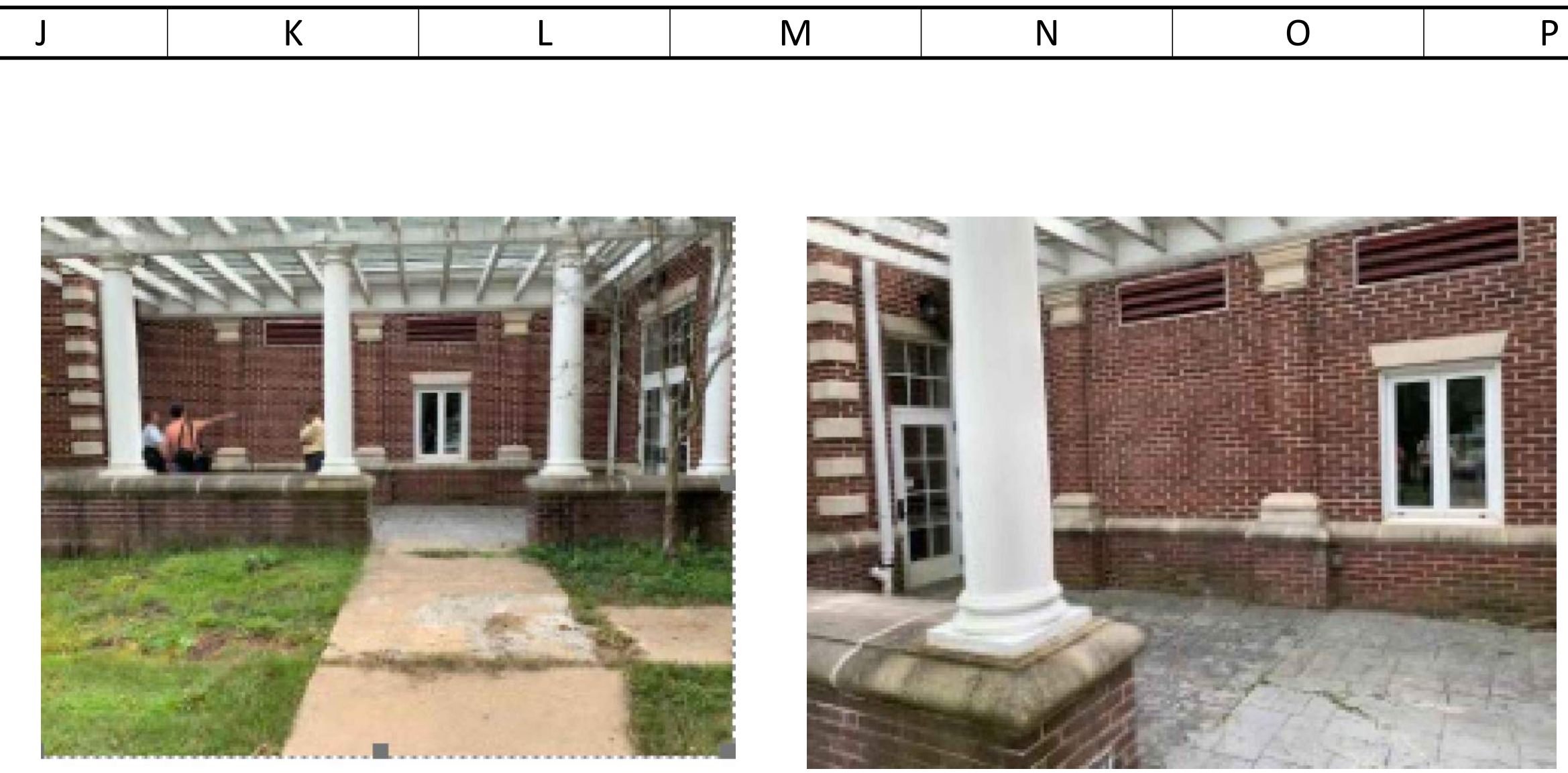


PHOTO A - SIDEWALK AND HARDSCAPE
Install New Manhole And Exterior Fiber Pathway At Side Of Building. Existing Sidewalk And Stamped Concrete Patio To Be Replaced.

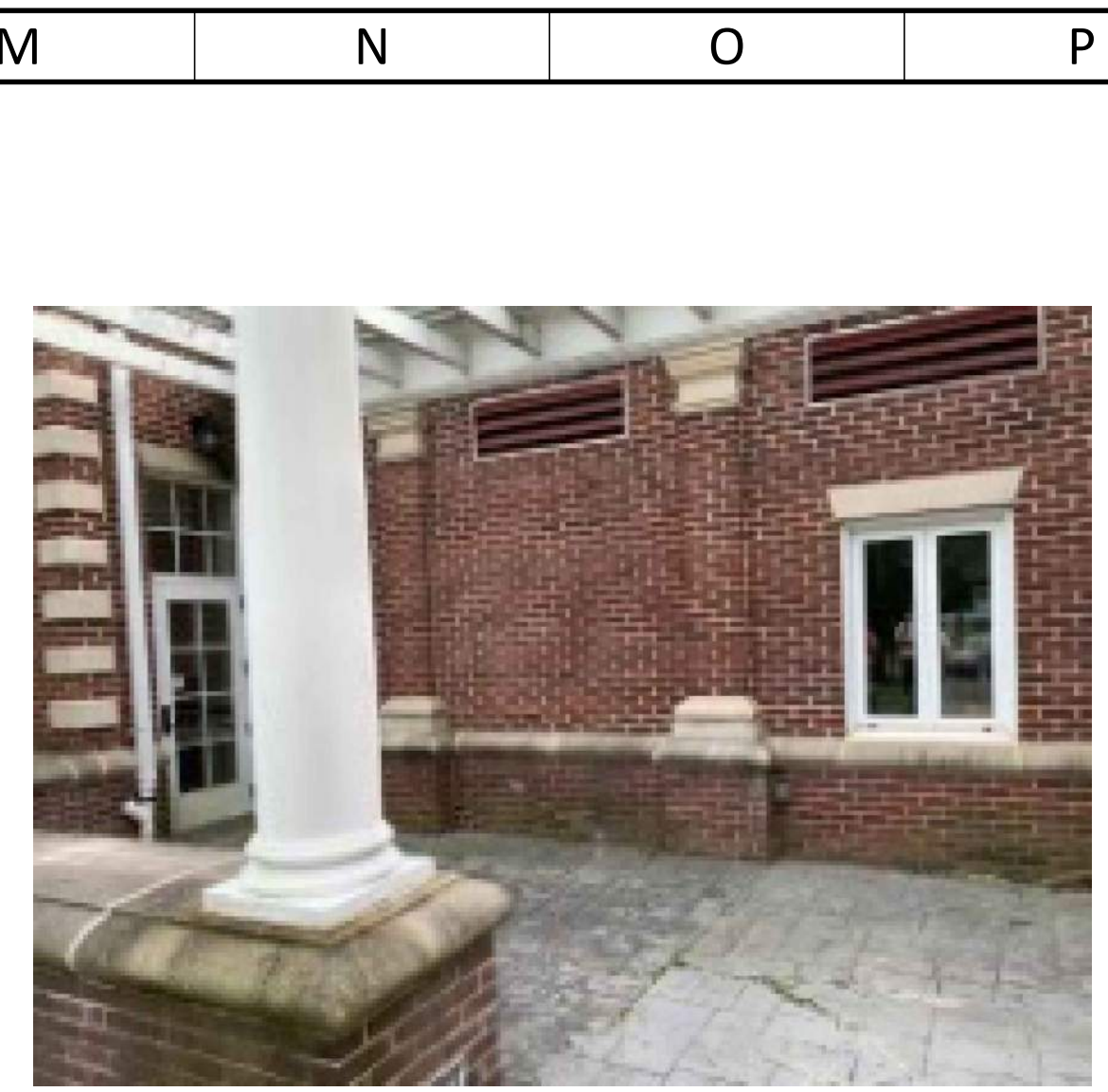


PHOTO C - BUILDING EXTERIOR
Route Fiber Pathway Along Exterior Facade To Enter Bundling In In The Mechanical Room. Coordinate Specific Routing With TCNJ Before Installation.



PHOTO B - PATIO AREA
Install New Exterior Fiber Pathway Below Existing Stamped Concrete Patio. Existing Sidewalk And Entire Stamped Concrete Patio To Be Replaced To Match Existing.

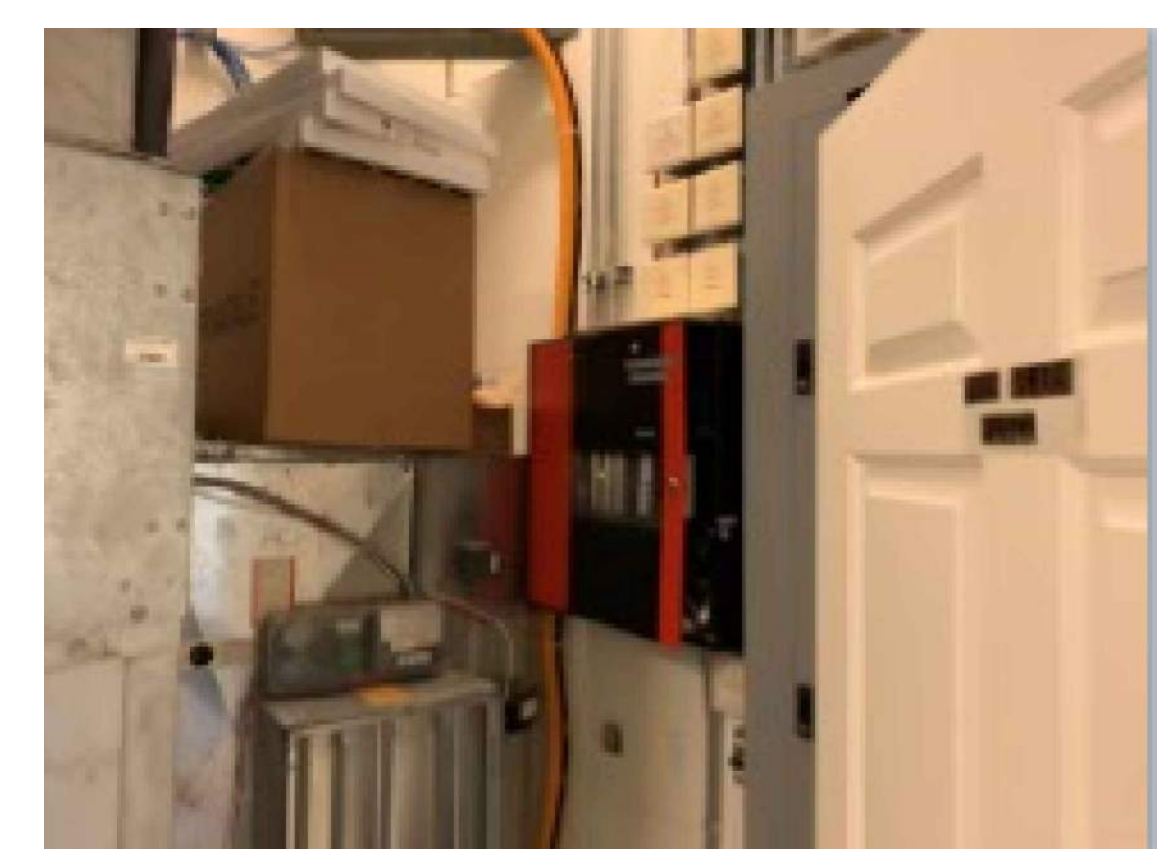


PHOTO D - MECHANICAL ROOM
Existing Fire Alarm Panel At Side Of Mechanical Room.

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 - 1b. Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - 1c. Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 2. Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 3. Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 4. Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Route Fiber Conduit Above Hard Ceiling.
 7. Route Fiber Pathway Above Drop Ceiling Where Possible.
 8. Provide 12" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 9. Route Exterior Fiber From Underground Conduit Up The Side Of The Building To Enclosed Weatherproof 24"W x 30"H x 18"D Pullbox. Route From The Pullbox Up The Exterior Of The Building And Into The Interior Space In The Mechanical Room.
 10. Contractor To Remove And Replace Existing Hardscape To Provide Access For New Conduit. This Shall Include Entire Stamped Hardscape And Damaged Sidewalk Sections

- GENERAL NOTES**
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 2. New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
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PARTIAL SYMBOLS & ABBREVIATIONS

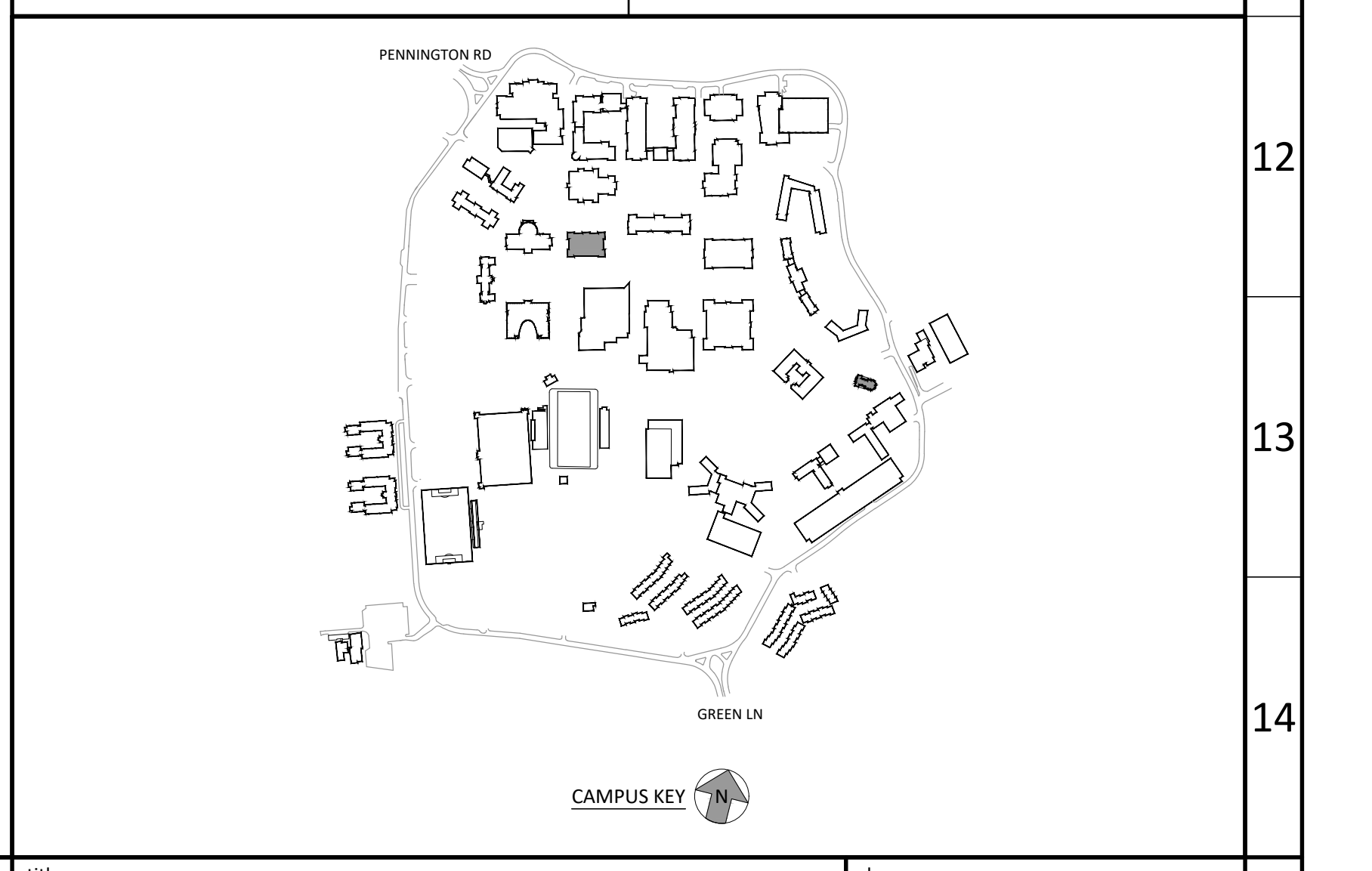
Identifier	Description	Identifier	Description
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	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



PHOTO C - EXISTING FIRE ALARM PANEL
Existing Fire Alarm Control Panel Location



PHOTO D - LOWER LEVEL CEILING
Route Above Existing Lower Level Drop Ceiling



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30442	1	09/18/19	ISSUED FOR BID	ITEM	DATE	ISSUE DESCRIPTION

dlb associates
CONSULTING ENGINEERS, P.C.
265 Industrial Way West, Eatontown, N.J. 07724

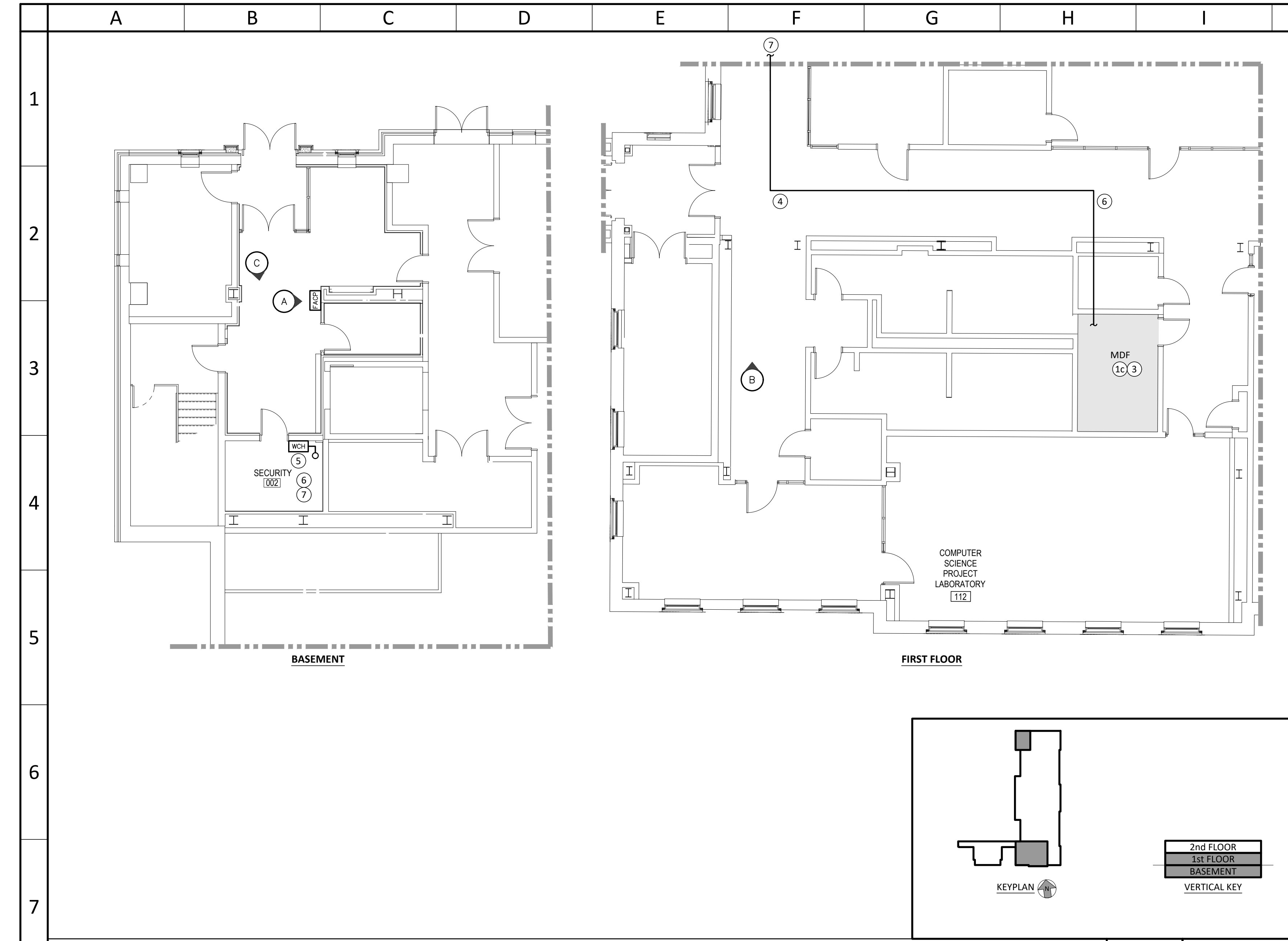
Questions For DLB Call: Anthony Laskosky
DLB Project ID: 47211 Phone: 732-927-5038

project
TCNJ - CAMPUS FIRE ALARM
CABLE INFRASTRUCTURE UPGRADES
2000 PENNINGTON ROAD,
EWING NJ, 08618

title
INTERIOR FIBER ROUTING
SPIRITUAL CENTER & SOCIAL SCIENCE
FIRE ALARM

scale AS SHOWN drawn by AM checked by SG date 09/18/2019

dwg. no.
FA029

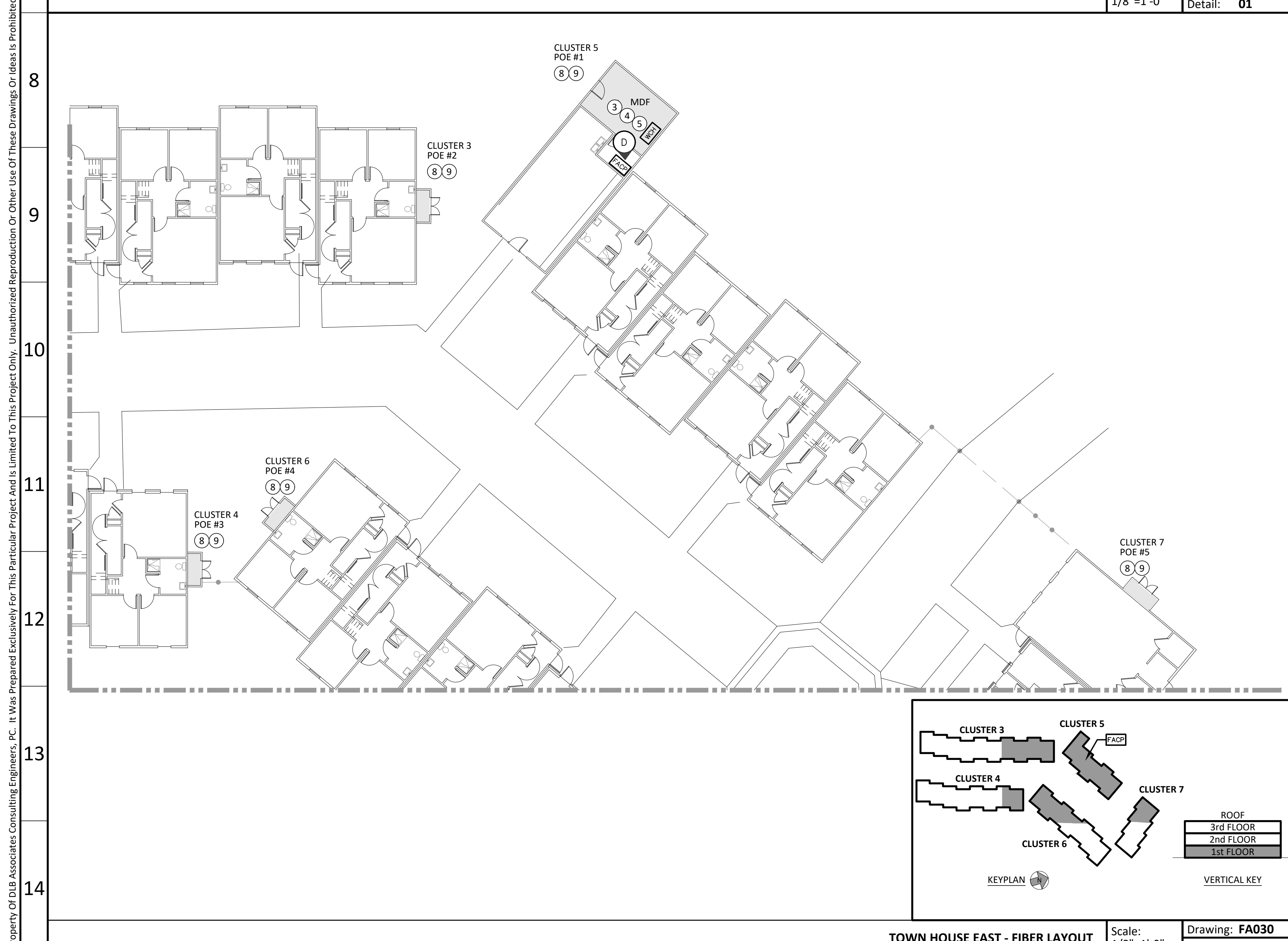


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 5. New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 6. Core Drill All Floor Penetrations To Route Fiber From First Floor MDF. To The First Floor IDF Room. Route Down To Existing Rack In Security Room 002. Install Conduit To FACP From Security Room 002. Individual Fiber Jumpers Installed Later By FMS Contractor. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 7. Route Fiber Pathway Above Drop Ceiling Where Possible And Drop Down Into Security Room.
 8. Coordinate With TCNJ IT Department For Cable Removal For This Complex. The Intent Is To Remove The Existing Fiber Cable From Cromwell To Each Townhouse Cluster And To Replace With A Higher Capacity Cable. Two (2) New 36/36 Fiber Cables Are To Enter The Complex Through The POE In Cluster 5 And Run Un-Spliced, One Cable Connecting Cluster 5 And Cluster 7 And The Other Cable Connecting Cluster 3, Cluster 4 And Cluster 6. Each Cable To Be Continuous To The Last POE In The Route With Mid-span Access At Each Cluster POE Along The Way.
 9. Provide Fiber Mid-span Splice Access At Each Cluster With Sufficient Slack (minimum 30 feet) In Each Point Of Entry Room. Splice Shall Be 12/12 At Cluster 3, 4, 6 and 7 And 24/24 At Cluster 5 Where The Fire Alarm Control Panel Is Located. Fiber Counts That Do Not Terminate At The Access Location Shall Remain Contiguous; They Shall Not Be Broken And Re-Splice

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	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

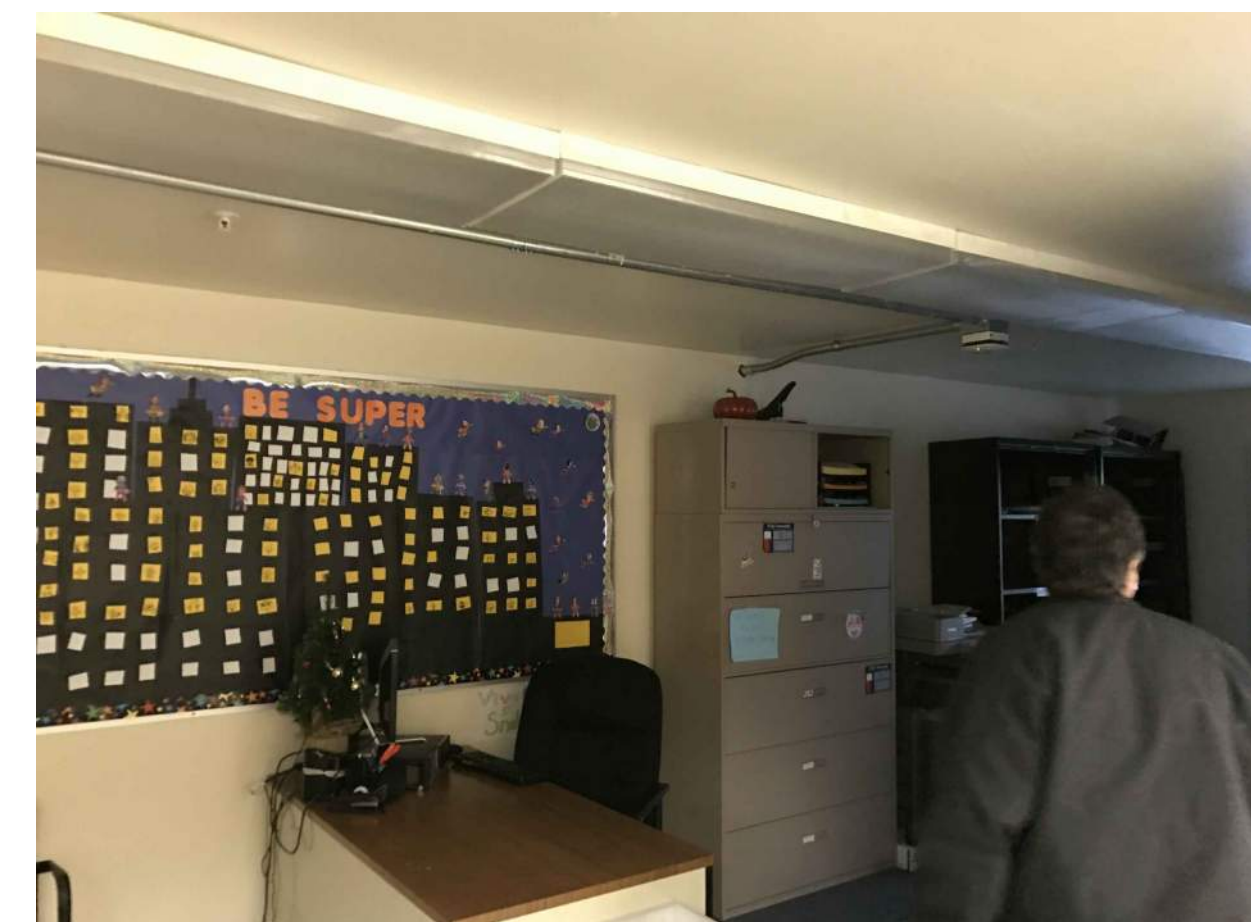
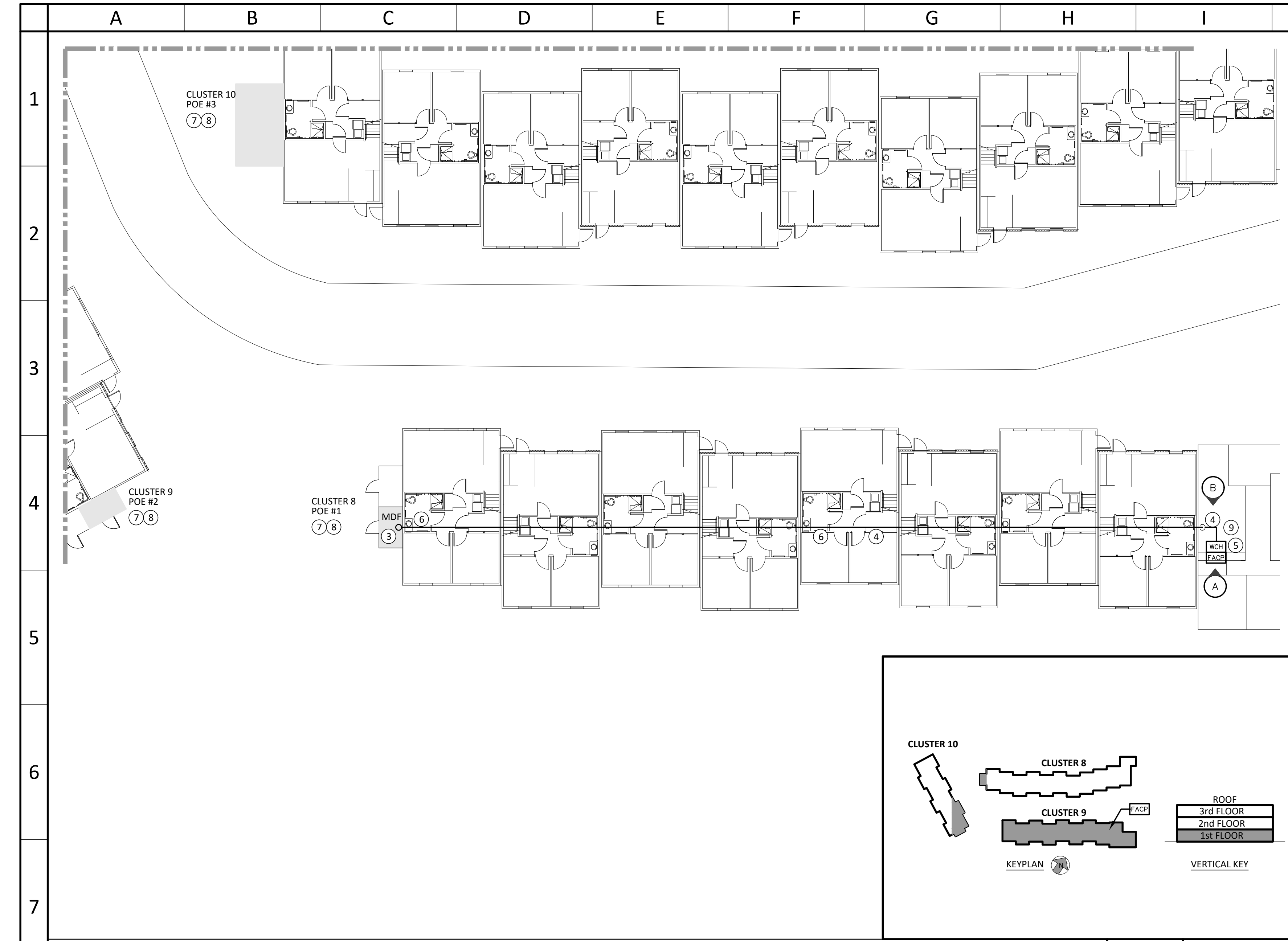
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project
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title
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 STEM BUILDING & TOWN HOUSE EAST
 FIRE ALARM
 scale AS SHOWN
 drawn by AM
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 date 09/18/2019
 dwg. no.
FA030

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30x42

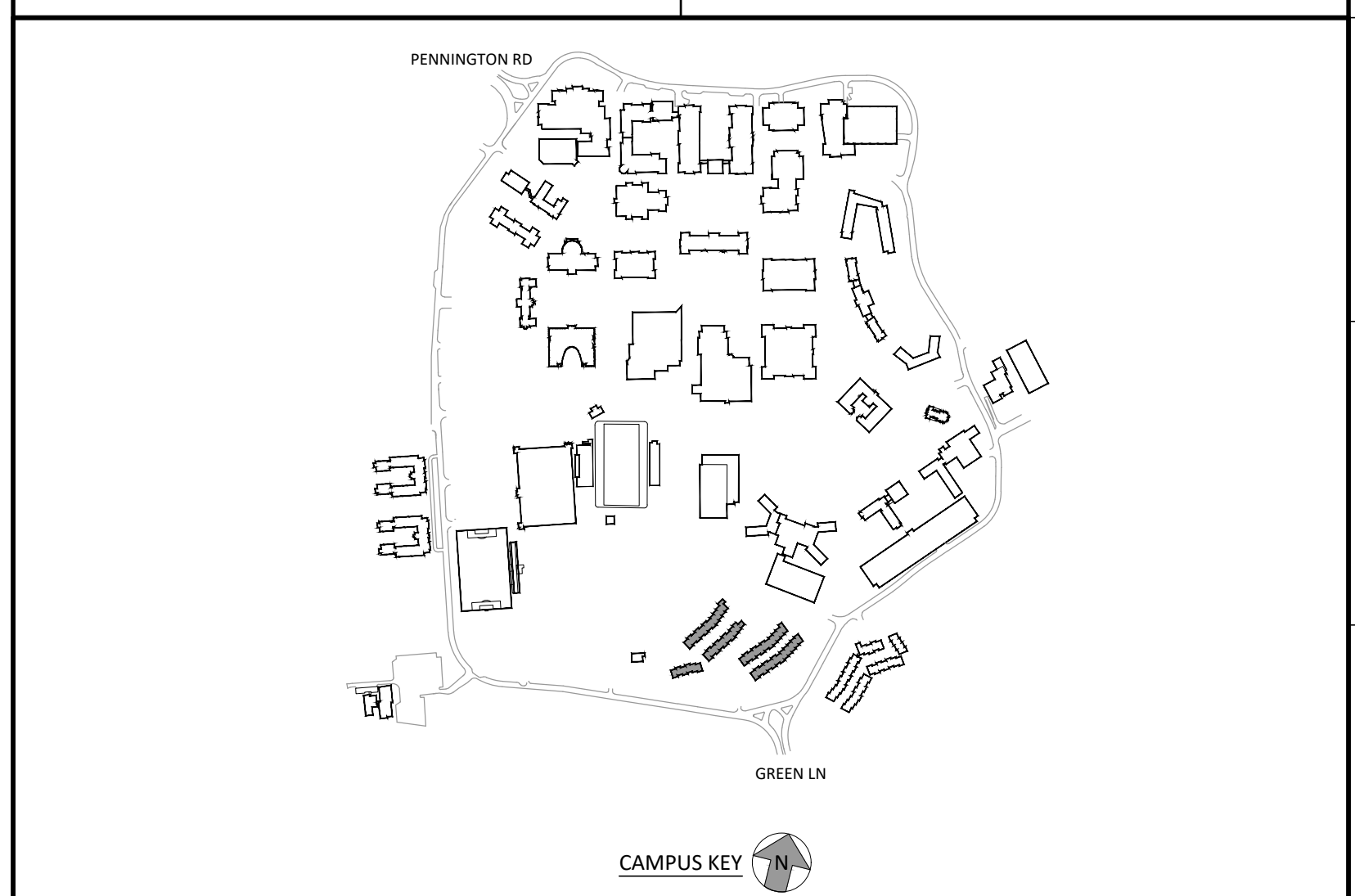
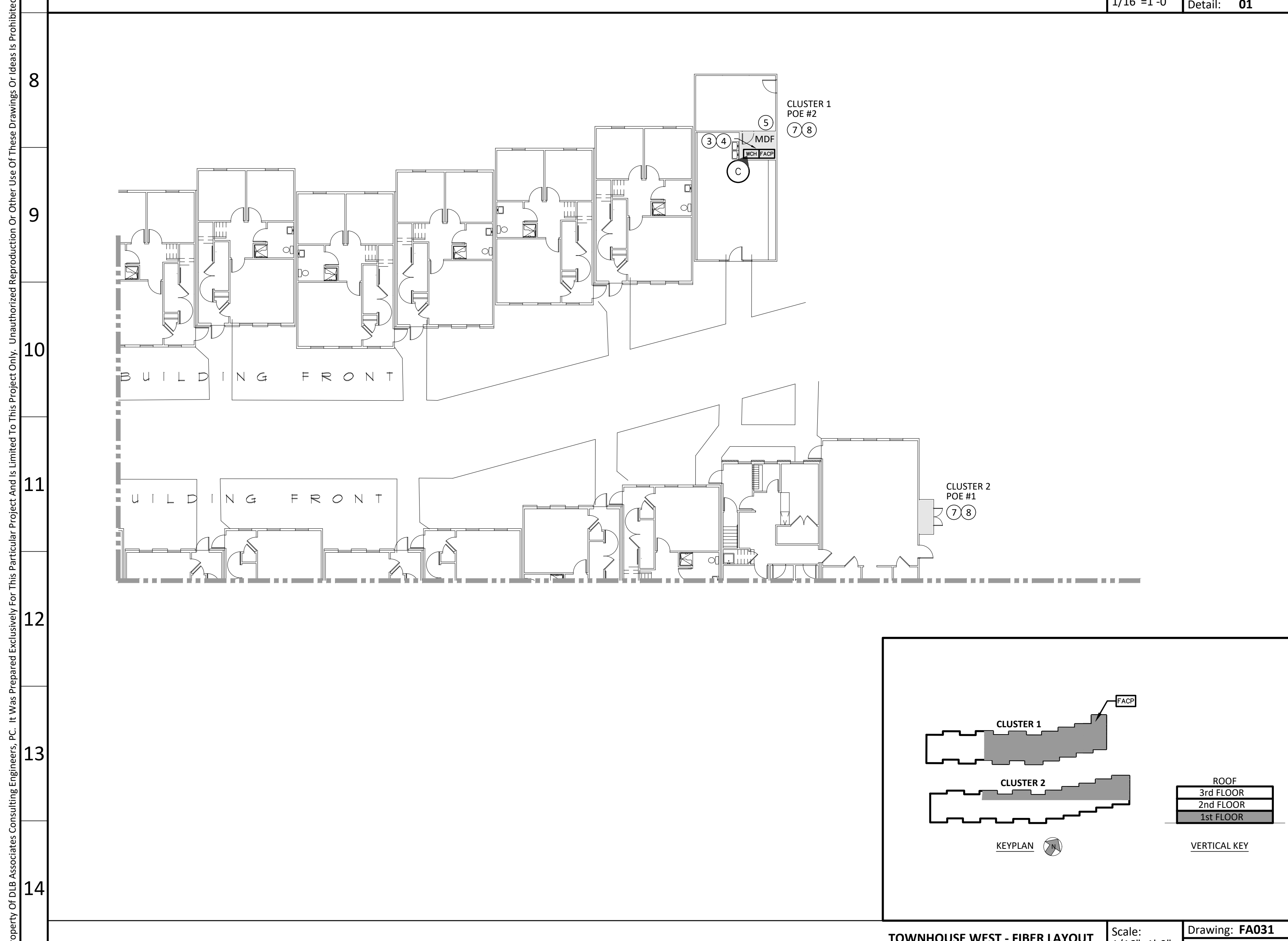


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 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - New Fiber To Parallel Existing IT Pathway Up Through Attic And Down To FACP. Firestop All Wall / Ceiling Partitions.
 - Coordinate With TCNJ IT Department For Cable Removal For This Complex. The Intent Is To Remove The Existing Fiber Cable From Cromwell To Each Townhouse Cluster And To Replace With A Higher Capacity Cable. Townhouse South And Townhouse West Shall Each Receive A New 48/48 Fiber Cables Entering Through The POE In Cluster 9 Or Cluster 2. Each Cable To Be Continuous To The Last POE In Each Cluster With Mid-span Access At Each POE Along The Way.
 - Provide Fiber Mid-span Splice Access At Each Cluster With Sufficient Slack (minimum 30 feet) In Each Point Of Entry Room. Splice Shall Be 12/12 At Cluster 2, 8 and 10 And 24/24 At Cluster 1 And Cluster 9 Where Each Of The Fire Alarm Control Panel Is Located. Fiber Counts That Do Not Terminate At The Access Location Shall Remain Contiguous; They Shall Not Be Broken And Re-Splice.
 - Conceal New Conduit / Innerduct Within Finished Walls And Ceilings. Install Innerduct Concealed Behind Sheetrock Ceilings In The Office Area. No Conduit Shall Be Routed Exposed In The Office Area. Contractor Shall Restore The Walls And Ceilings Disturbed To Their Original Condition.

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 - Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable And Conduit For All Cable Runs Noted In Plans.
 - Contractor To Firestop Wall And Floor Penetrations After Running Cables And Conduit.
 - A Portion Of This Work Will Be Occurring In The Path Of An Emergency Egress Route. During All Phases Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route.

PARTIAL SYMBOLS & ABBREVIATIONS

Identifier	Description	Identifier	Description
	New Fiber Pathway	FACP	Fire Alarm Control Panel
	Conduit Pipe Up Through Floor Above Or Through Section Cut Line	POE	Point Of Entry
	Conduit Pipe Drop / Offset Down	MDF	Main Distribution Frame
	Fire Alarm Control Panel		
	Wall Mounted Connector Housing		
	IT Rack		
	Photo Identification Tag		
	Connect To Existing		
	MDF / POE		



ITEM	DATE	ISSUE DESCRIPTION	ITEM	DATE	ISSUE DESCRIPTION
1	09/18/19	ISSUED FOR BID			

dlb associates
 CONSULTING ENGINEERS, P.C.
 265 Industrial Way West, Eatontown, N.J. 07724

Questions For DLB Call: Anthony Laskosky
 DLB Project ID: 47211 Phone: 732-927-5038

project
 TCNJ - CAMPUS FIRE ALARM
 CABLE INFRASTRUCTURE UPGRADES
 2000 PENNINGTON ROAD,
 EWING NJ, 08618

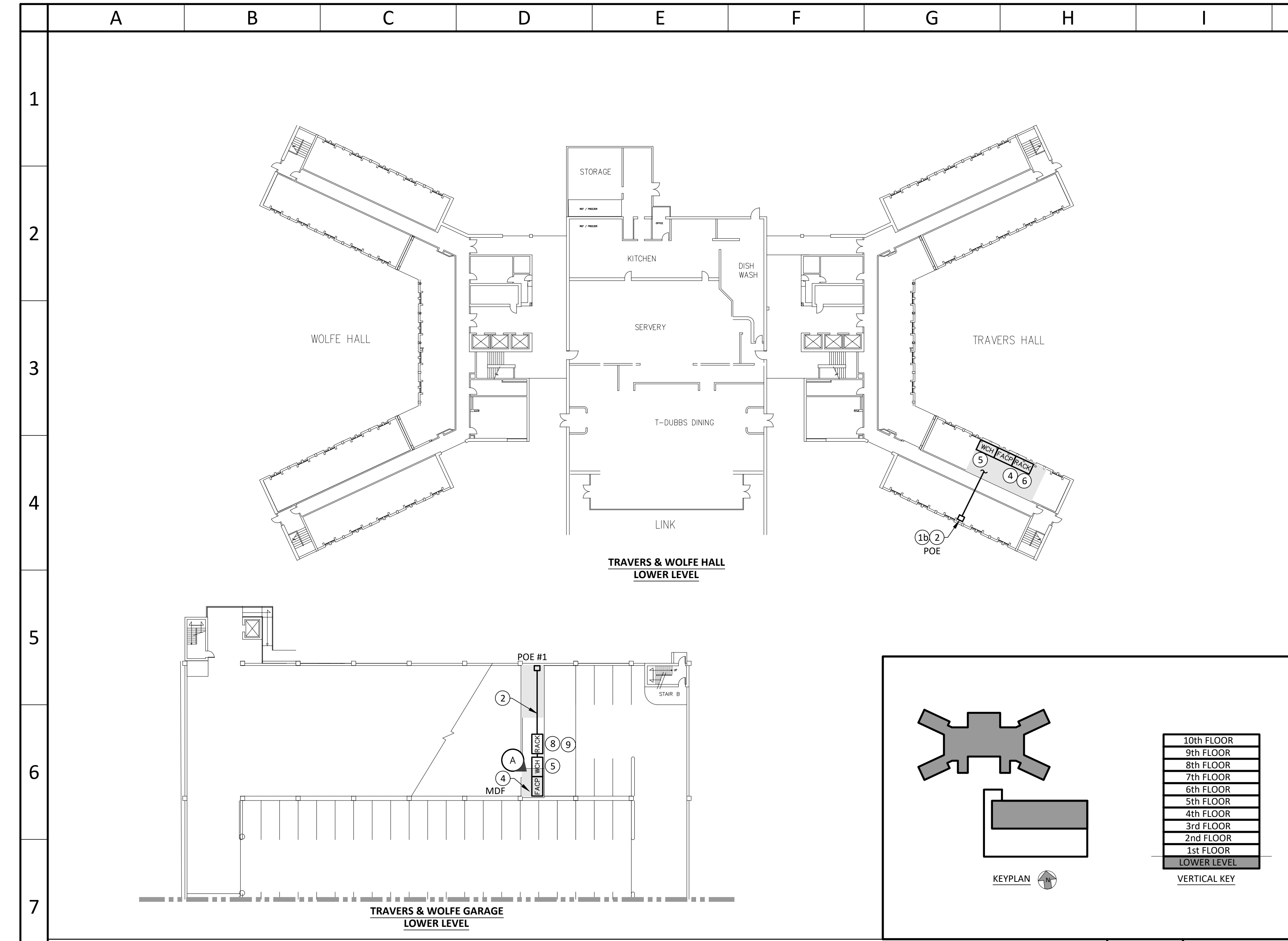
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 INTERIOR FIBER ROUTING
 TOWNHOUSE SOUTH & TOWNHOUSE WEST
 FIRE ALARM

scale AS SHOWN
 drawn by AM
 checked by SG
 date 09/18/2019

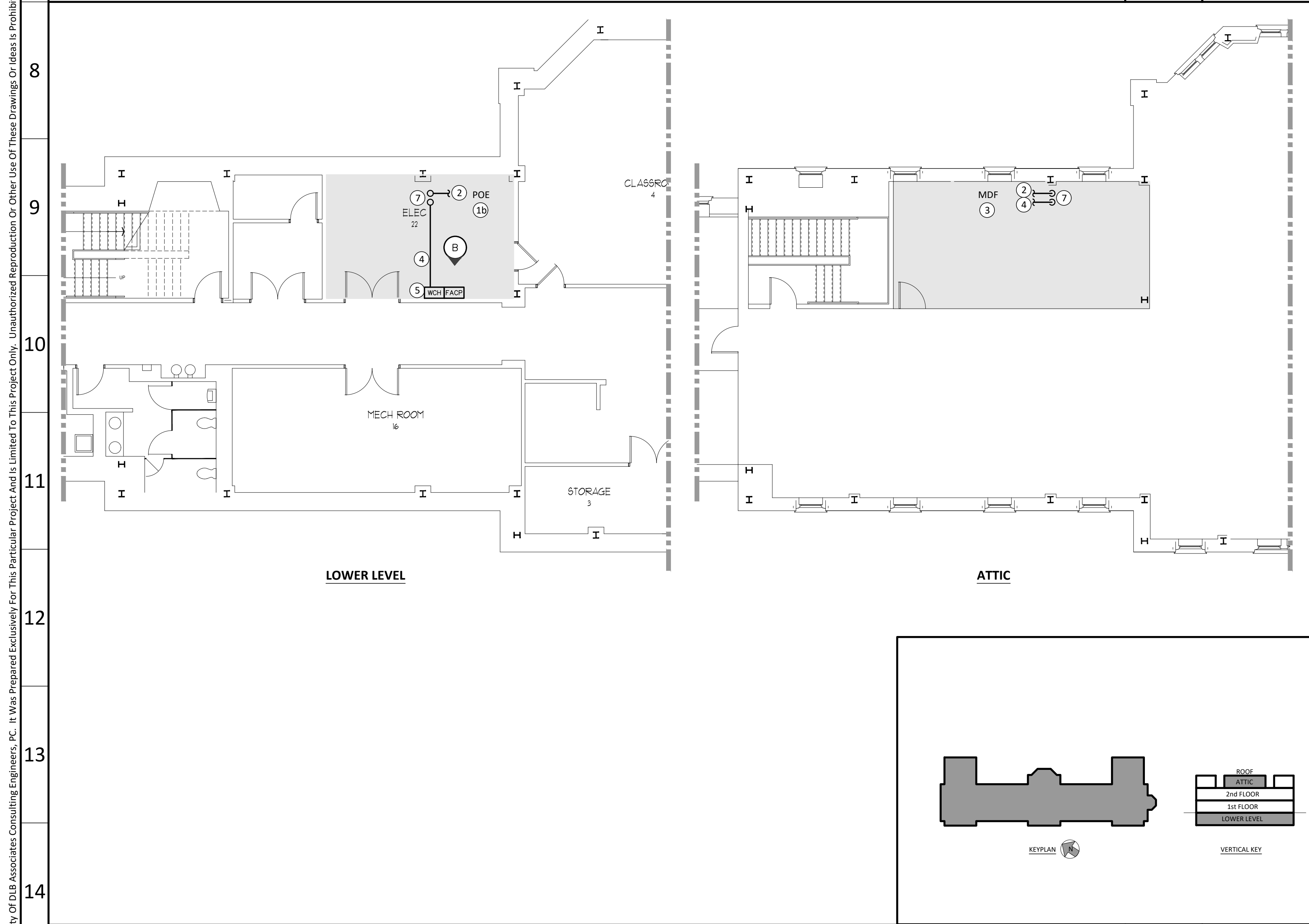
dwg. no.
FA031

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TRIVERS/WOLFE HALLS & T/W GARAGE - FIBER LAYOUT
Scale: 1/32"=1'-0"
Drawing: FA032
Detail: 01



TRENTON HALL - FIBER LAYOUT
Scale: 1/8"=1'-0"
Drawing: FA032
Detail: 02



PHOTO A - FIRE ALARM CONTROL PANEL
Existing Fire Alarm Control Panel



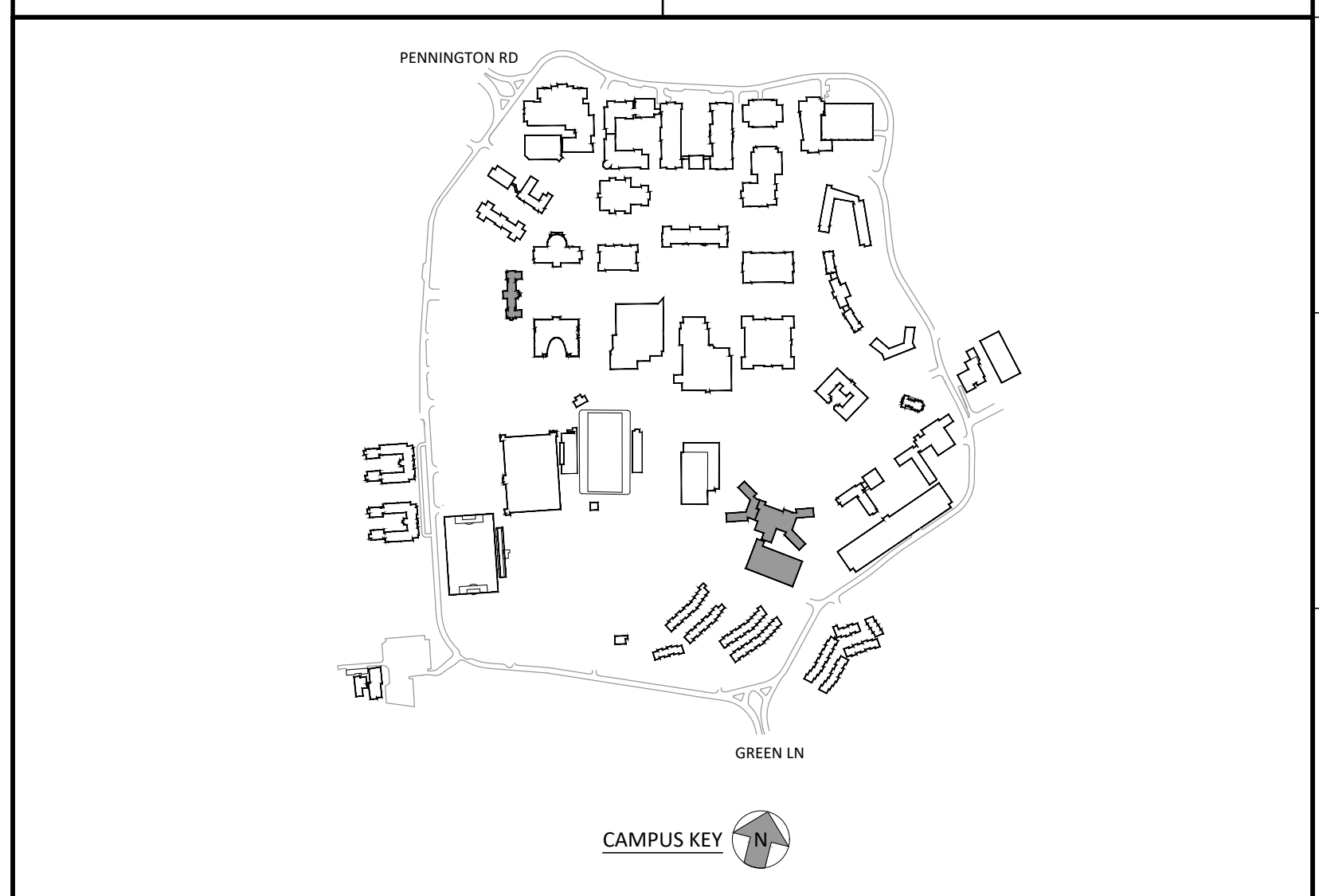
PHOTO B - FIRE ALARM CONTROL PANEL
Existing Fire Alarm Control Panel

- KEY NOTES (SYMBOLS ①, ②, ETC.)**
- KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS
- Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department.
 - Location Of Existing Empty Conduits. Provide New Fiber And Innerduct.
 - Existing Spare Fiber Capacity Available At MDF. Coordinate With TCNJ IT Department For Specific Termination Points.
 - Route Fiber Pathway As Per G003 From Point Of Entry To Main Distribution Frame. Provide Slack Loop And Fiber Labeling As Per Specs.
 - Terminate Fiber Within New Cabinet Connector Housing Located Within Existing Main Distribution Frame Rack. Coordinate Labeling Terminations With TCNJ IT Department.
 - Route Fiber Pathway As Per G003 Containing 12/12 Hybrid Fire Alarm Fiber From Main Distribution Frame Cabinet Connector Housing To Wall Mounted Connector Housing (WCH) Located Adjacent To The Fire Alarm Control Panel.
 - New Wall Mounted Connector Housing (WCH) As Per Detail G003 / 06 Located As Close As Possible To The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT.
 - Provide 12" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 - Core Drill All Floor Penetrations To Route Fiber From Point Of Entry Within Basement To Main Distribution Frame (MDF) Within Attic. Route From MDF In Attic To Wall Mounted Connector Housing Within Basement. All Floor Penetrations To Be Labeled Per Spec And Details On Sheet G005.
 - Provide 30" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within New Wall Mounted Cabinet. Coordinate Labeling Terminations With TCNJ IT Department. Coordinate Final Location With Existing Field Conditions And TCNJ IT Department.
 - Contractor Shall Provide A 120V Circuit For Integral Fan And Light Power Within 30" Deep Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Space Utilizing 2#12, #12G In 3/4" Conduit With A 20 Amp, 120V Single Phase Circuit Breaker.

- GENERAL NOTES**
- The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of All Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functional Installation (In Conjunction With The Project Specifications).
 - New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transitions And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Located In Concealed Locations.
 - All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencies Having Jurisdiction.
 - Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existing Conditions.
 - All Work And Materials Shall Be New Unless Otherwise Noted.
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TRIVERS WOLFE, T/W GARAGE, & TRENTON HALL
FIRE ALARM

scale AS SHOWN
drawn by AM
checked by SG
date 09/18/2019

dwg. no.
FA032

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