

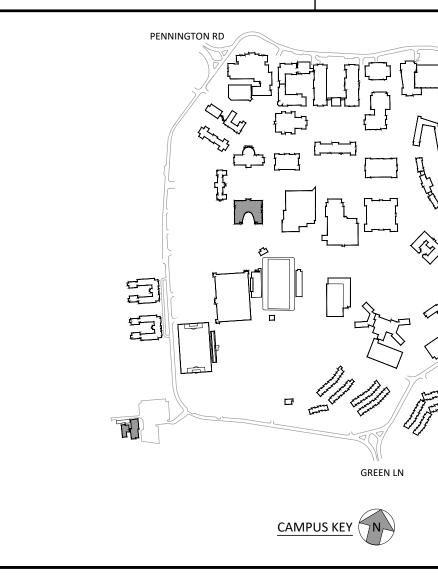
Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA013.dwg, 10/3/19 at 2:28 PM By SGOWERS - Last Printed: 10/4/19 at 7:56 AM By Gowers, Scot

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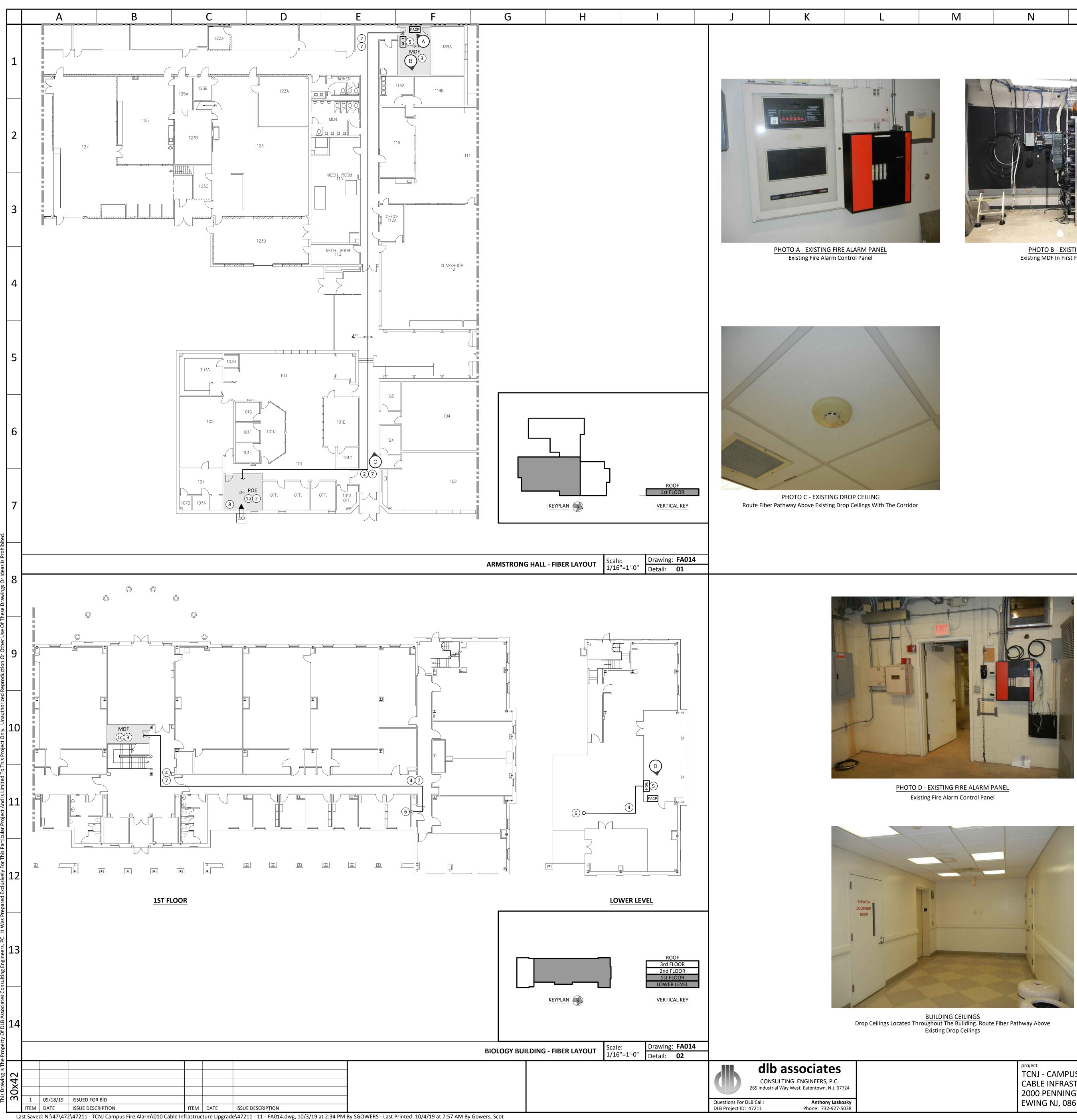
TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD,

| | 0 | R | | S | Т | |
|--|---|---|---|---|--|--------------------------|
| KEY NO | ~ | | | 5 | • | |
| KEYNOTI | ES 1 THRU 5 ARE REPE | EATED ON ALL INTERIC | | G DRAWINGS | | _ |
| 1a. Core Sea | e Drill Foundation Wa | all For New Conduit Po rdinate Final Point Of I | int Of Entry. Wall | Penetration Sh | nall Be Sleeved And ntity With FA005 - FA008 | 1 |
| | c . | ty Conduits. Provide N | | | mont For Specific | |
| | ting Spare Fiber Capa mination Points. | icity Available At MDF. | Coordinate With | ICNJ II Depart | tment For Specific | |
| | te Fiber Pathway As F I Fiber Labeling As Pei | |)f Entry To Main [| Distribution Fra | me. Provide Slack Loop | 2 |
| | | New Cable Connector H g Terminations With T | • | • | Main Distribution Frame | |
| | | Per G003 Containing 1 Housing To Wall Moun | | | m Main Distribution ocated Adjacent To The | |
| Fire | Alarm Control Panel. | | | | | |
| | | anel. Coordinate Final | | | As Close As Possible To | 3 |
| | te Fiber Conduit As C ation Of Admin Splice | lose To The Existing Ce | eiling As Possible. | | | |
| 8. Coo Exis | ordinate With TCNJ IT ting Fiber Cable And T | | her Capacity Cabl | e Between Adn | • • | 4 |
| GENERA | AL NOTES | | | | | _ |
| Equ | ipment And Devices; | | s Of Work As Req | | Show The Location Of All ve A Complete Functional | 151 |
| And | | | | | n Boxes At All Transitions Vhere Pathway Is Located | |
| | | n Accordance With Ind | lustry Constructic | on Codes, Stand | lards, And Other Agencies | 6 |
| | ing Jurisdiction. | Shown Are Diagramma | atic. Contractor T | o Field Verify P | outing Fiber With Existing | |
| | iditions. | | | | | |
| 5. All V | Work And Materials S | shall Be New Unless Ot | herwise Noted. | | | |
| | tractor Shall Be Resp duit For All Cable Rur | • | /all And Floor Pe | enetrations Price | or To Running Cable And | 7 |
| 7. Con | tractor To Firestop W | /all And Floor Penetrat | tions After Runnir | ng Cables And C | Conduit. | |
| | | • | | | Route. During All Phases d Through Each Affected | |
| | - | | | | 0 | |
| | | - | | | rom The Department Of | |
| | | e, Allowing Retreat F quired To Close Or Re-(| | | rom The Department Of | 8 |
| | | - | | | rom The Department Of | |
| Con | | quired To Close Or Re-o | | | rom The Department Of | |
| Con | nmunity Affairs Is Req | quired To Close Or Re-o | | | | |
| Con PARTIA | nmunity Affairs Is Req | quired To Close Or Re-o | direct An Egress R | Route. | | |
| Con PARTIA | nmunity Affairs Is Req L SYMBOLS & ABBR r <u>Description</u> → New Fiber Pathy Conduit Pipe Up | quired To Close Or Re-o | direct An Egress R | Route. | Control Panel | 8 |
| Con PARTIA | nmunity Affairs Is Req L SYMBOLS & ABBR r <u>Description</u> → New Fiber Pathy Conduit Pipe Up | REVIATIONS | direct An Egress R | Description Fire Alarm C Point Of Ent | Control Panel | 8 |
| Con PARTIA | nmunity Affairs Is Req L SYMBOLS & ABBR → Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie L | L SYMBOLS & ABBR <u>Pr</u> <u>Description</u> → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 8 |
| Con PARTIA Identifie LOO LOO FACP | L SYMBOLS & ABBR <u>Pr</u> <u>Description</u> → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR <u>er</u> <u>Description</u> → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR <u>Pr</u> <u>Description</u> → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR T Description → New Fiber Pathy Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 9 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R Identifier FACP POE | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 |
| Con PARTIA Identifie Con FACP WCH | L SYMBOLS & ABBR | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress R | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 12 |
| Con PARTIA Identifie Co FACP WCH RACK A Co TACP | L SYMBOLS & ABBR T Description → New Fiber Path Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis MDF / POE | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset Connector Housing ation Tag sting | direct An Egress R | Description Fire Alarm C Point Of Ent | Control Panel | 8 9 10 11 12 |
| Con PARTIA Identifie Con FACP WCH RACK A Con FACP | L SYMBOLS & ABBR Pr Description → New Fiber Path Conduit Pipe Up Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis MDF / POE | REVIATIONS Way p Through Floor ugh Section Cut Line rop / Offset Connector Housing ation Tag sting | direct An Egress R | Description Fire Alarm O Point Of Ent Main Distrik | Control Panel Try Dution Frame | 8 9 10 11 12 |
| Con PARTIA Identifie Con FACP VCH RACK A Con Title INTERIO | L SYMBOLS & ABBR Pr Description → New Fiber Path Conduit Pipe Ug Above Or Throu Conduit Pipe Dr Down Fire Alarm Cont Wall Mounted O IT Rack Photo Identifica Connect To Exis MDF / POE PR FIBER ROUTIN SERVICE BUILDIN ARM drawn by | REVIATIONS way p Through Floor ugh Section Cut Line rop / Offset crol Panel Connector Housing ation Tag sting | direct An Egress F | Description Fire Alarm O Point Of Ent Main Distrik | Control Panel | 8 9 10 11 12 |

| | Q R | S T | |
|------------------------|--|--|----------------|
| KEY NOTES | 6 (SYMBOLS 1), 2, ETC.) | | |
| | THRU 5 ARE REPEATED ON ALL INTERIOR | | 1 |
| Sealed Sheets | As Per G005. Coordinate Final Point Of Ent And TCNJ IT Department. | t Of Entry. Wall Penetration Shall Be Sleeved And try Location And Conduit Quantity With FA005 - FA008 | |
| 1c. Existing | | oordinate With TCNJ IT Department For Specific | |
| 2. Route F | • | Entry To Main Distribution Frame. Provide Slack Loop | 2 |
| 3. Termin | | using Located Within Existing Main Distribution Frame | |
| 4. Route F Frame (| | 11 Department. 12 Hybrid Fire Alarm Fiber From Main Distribution d Connector Housing (WCH) Located Adjacent To The | |
| 5. New W | | Per Detail G003 / 06 Located As Close As Possible To | 3 |
| | iber Conduit As Close To The Existing Ceili | | |
| | n Of Admin Splice Cabinet. | emoval For This Building. The Intent Is To Remove The | |
| Existing | Fiber Cable And To Replace With A Highe | r Capacity Cable Between Admin Splice To Admin, To Metzer Garage And Admin To Fire Pump. | 4 |
| GENERAL N | NOTES | | |
| | | atic And Are Not Intended To Show The Location Of All | 5 |
| Installa | tion (In Conjunction With The Project Spec | Of Work As Required To Achieve A Complete Functional cifications). enever Possible With Junction Boxes At All Transitions | |
| | oows. Flexible Non Metallic Tubing Instea ealed Locations. | ad Of Conduit Is Acceptable Where Pathway Is Located | |
| | k Shall Be Done In Accordance With Indus Jurisdiction. | stry Construction Codes, Standards, And Other Agencies | 6 |
| 4. Conduit Conditie | | c. Contractor To Field Verify Routing Fiber With Existing | |
| 5. All Wor | k And Materials Shall Be New Unless Othe | erwise Noted. | |
| Conduit | t For All Cable Runs Noted In Plans. | I And Floor Penetrations Prior To Running Cable And | 7 |
| | ctor To Firestop Wall And Floor Penetratio on Of This Work Will Be Occurring In The | Path Of An Emergency Egress Route. During All Phases | |
| Emerge | | s Route Must Be Maintained Through Each Affected m The Building. Approval From The Department Of rect An Egress Route. | 8 |
| PARTIAL S | (MBOLS & ABBREVIATIONS | | |
| Identifier | Description | Identifier Description | |
| ├─── | New Fiber Pathway | FACP Fire Alarm Control Panel | 9 |
| 0 | Conduit Pipe Up Through Floor Above Or Through Section Cut Line Conduit Pipe Drop / Offset | POE Point Of Entry | |
| ← | Down | MDF Main Distribution Frame | |
| FACP | Fire Alarm Control Panel Wall Mounted Connector Housing | | 10 |
| RACK | IT Rack | | |
| | Photo Identification Tag Connect To Existing | | |
| | MDF / POE | | 11 |
| | | | |
| | PENNINGTON RD | | |
| | | | 12 |
| | | | 12 |
| | | | 12 |
| | | | 12 |
| | | GREEN LN | |
| | | GREEN LN | 12 13 14 |
| | CAME FIBER ROUTING | PUS KEY N dwg. no. | |
| INTERIOR F | EIBER ROUTING RVICE BUILDING & AIMM BUILDI | PUS KEY N dwg. no. | |



| ^{title} INTERIOR F ADMIN SEF FIRE ALARN | IBER ROUTI VICE BUILD | NG ING & AIMM | 1 BUILDING |
|---|--------------------------|------------------|------------|
| scale | drawn by | checked by | date |
| AS SHOWN | AM | SG | 09/18/2019 |





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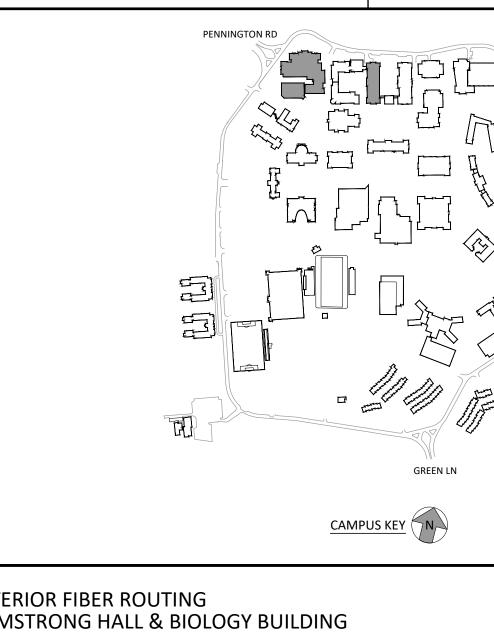
PHOTO B - EXISTING MDF ROOM Existing MDF In First Floor Electrical Room

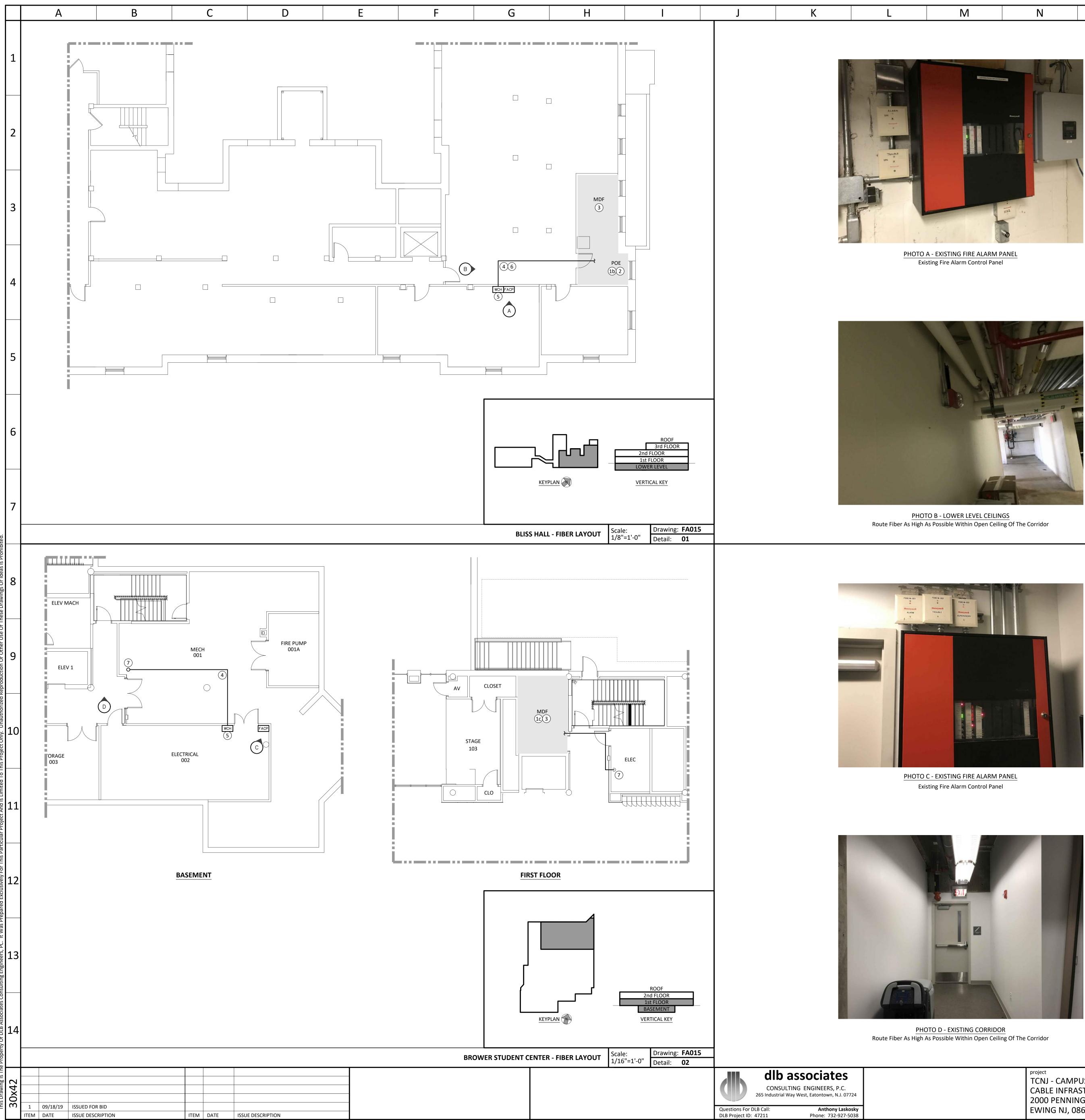
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|---|-----|-------|-------------|------------|---|
| | KEY | NOTES | (SYMBOLS (1 |),②, ETC.) | |

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| roject | |
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| CNJ - CAMPUS FIRE ALARM | |
| CABLE INFRASTRUCTURE UPGRADES | |
| 2000 PENNINGTON ROAD, | |
| WING NJ, 08618 | |
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| KEY NOTES (SYMBOLS 1), 2, ETC.) | | S | | Т | |
|--|-----------------------------|---------------|---------------------|------------------|----|
| | | | | | |
| KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR I 1a. Core Drill Foundation Wall For New Conduit Point Sealed As Per G005. Coordinate Final Point Of Entry Sheets And TCNJ IT Department. | Of Entry. Wall | Penetration | Shall Be Slee | | 1 |
| 1b. Location Of Existing Empty Conduits. Provide New | Fiber And Inne | erduct. | | | |
| Existing Spare Fiber Capacity Available At MDF. Co Termination Points. | oordinate With | TCNJ IT Depa | artment For | Specific | |
| Route Fiber Pathway As Per G003 From Point Of E And Fiber Labeling As Per Specs. | ntry To Main D | istribution F | rame. Provic | le Slack Loop | 2 |
| Terminate Fiber Within New Cable Connector Hou Rack. Coordinate Labeling Terminations With TCN. | • | | g Main Distr | ibution Frame | |
| Route Fiber Pathway As Per G003 Containing 12/1 Frame Cable Connector Housing To Wall Mounted Fire Alarm Control Panel. | .2 Hybrid Fire A | larm Fiber F | | | |
| 5. New Wall Mounted Connector Housing (WCH) As The Fire Alarm Control Panel. Coordinate Final Loc | | | d As Close A | s Possible To | 3 |
| Core Drill All Floor Penetrations To Route Fiber F Housing (WCH) In Basement. All Floor Penetration Route Fiber Pathway Above Drop Ceiling Where Peresection | is To Be Labele | | | | |
| Route Exterior Fiber From Underground Conduit U 24"W x 30"H x 18"D Pullbox. Route From The Pull Interior Space Above Ceiling Line. | Jp The Side Of ⁻ | • | | • | 4 |
| GENERAL NOTES | | | | | - |
| The Associated Project Drawings Are Diagramma Equipment And Devices; Coordinate All Details Of Installation (In Conjunction With The Project Species) | f Work As Requ | | | | 5 |
| New 1-1/4" Fiber Conduit To Be Concealed Whe And Elbows. Flexible Non Metallic Tubing Instead Concealed Locations. | | | | | |
| All Work Shall Be Done In Accordance With Indust Having Jurisdiction. | try Constructio | n Codes, Sta | ndards, And | Other Agencies | 6 |
| 4. Conduit Routing Where Shown Are Diagrammatic Conditions. | . Contractor To | Field Verify | Routing Fib | er With Existing | |
| 5. All Work And Materials Shall Be New Unless Other | rwise Noted. | | | | |
| Contractor Shall Be Responsible To Sleeve Wall Conduit For All Cable Runs Noted In Plans. | And Floor Pe | netrations P | rior To Run | ning Cable And | 7 |
| 7. Contractor To Firestop Wall And Floor Penetration | ns After Runnin | g Cables And | l Conduit. | | |
| Of This Project, A Protected Emergency Egress Emergency Egress Route, Allowing Retreat Fron Community Affairs Is Required To Close Or Re-dire | n The Building | . Approval | - | | 8 |
| PARTIAL SYMBOLS & ABBREVIATIONS | | | | | |
| Identifier Description ↓ ↓ | Identifier FACP | Description | on N Control Par | nel | 9 |
| ←−−−O Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE | Point Of E | ntry | | |
| Conduit Pipe Drop / Offset | MDF | Main Dist | ribution Frar | ne | |
| FACP Fire Alarm Control Panel | | | | | |
| Wall Mounted Connector Housing | | | | | |
| | | | | | 10 |
| RACK IT Rack | | | | | 10 |
| RACK IT Rack A Photo Identification Tag Connect To Existing | | | | | 10 |
| A Photo Identification Tag | | | | | 10 |
| Photo Identification Tag Connect To Existing | | | | | 10 |
| Photo Identification Tag Connect To Existing | | | | | 10 |
| Photo Identification Tag Connect To Existing MDF / POE | | | | | 11 |
| Photo Identification Tag Connect To Existing MDF / POE | | | | | 11 |
| Photo Identification Tag Connect To Existing MDF / POE | | dwg. r | а. | | 11 |
| Photo Identification Tag Connect To Existing MDF / POE | US KEY | dwg. r | | 014 | 11 |





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|----------------------------|--|---|---|--|---|--|
| | | | | KEY NOTES (SYMBO | DLS (1), (2), ETC.) | |
| A - EXISTING FIRE ALARM PA | <image/> <section-header></section-header> | | | Core Drill Foundati Sealed As Per G005 Sheets And TCNJ IT Location Of Existing Existing Spare Fibe Termination Points Route Fiber Pathwa And Fiber Labeling Terminate Fiber W Frame Rack. Coord Route Fiber Pathwa Frame Cabinet Cond Fire Alarm Control New Wall Mounted The Fire Alarm Cord Route Fiber Condu Core Drill All Floor | g Empty Conduits. Provide New r Capacity Available At MDF. Co ay As Per G003 From Point Of Er As Per Specs. ithin New Cabinet Connector H inate Labeling Terminations Wi ay As Per G003 Containing 12/1 nector Housing To Wall Mount | Of Entry. Wall Penetry Location And Cond Fiber And Innerduct oordinate With TCNJ ntry To Main Distribut ousing Located With th TCNJ IT Departme .2 Hybrid Fire Alarm ed Connector Housin Per Detail G003 / 06 cation With TCNJ IT. ng As Possible. |
| | | | | GENERAL NOTES | | |
| | | | | Equipment And De Installation (In Con 2. New 1-1/4" Fiber | oject Drawings Are Diagrammat vices; Coordinate All Details Of junction With The Project Speci Conduit To Be Concealed Whe ble Non Metallic Tubing Instea | f Work As Required ifications). enever Possible With |

- 3. All Work Shall Be Done In Accordance With Industry Construction Co Having Jurisdiction.
- 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Fiel Conditions.
- 5. All Work And Materials Shall Be New Unless Otherwise Noted.
- 6. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetra Conduit For All Cable Runs Noted In Plans.
- 7. Contractor To Firestop Wall And Floor Penetrations After Running Cable
- 8. A Portion Of This Work Will Be Occurring In The Path Of An Emerge Of This Project, A Protected Emergency Egress Route Must Be Emergency Egress Route, Allowing Retreat From The Building. Community Affairs Is Required To Close Or Re-direct An Egress Route

PARTIAL SYMBOLS & ABBREVIATIONS

| <u>Identifier</u> | Description | <u>Identifier</u> |
|-------------------|--|-------------------|
| <u>ن</u> | New Fiber Pathway | FACP |
| ⊶ | Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE |
| ~~ | Conduit Pipe Drop / Offset Down | MDF |
| FACP | Fire Alarm Control Panel | |
| WCH | Wall Mounted Connector Housing | |
| RACK | IT Rack | |
| A | Photo Identification Tag | |
| • | Connect To Existing | |
| | MDF / POE | |
| | | |
| | | |
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| project |
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| TCNJ - CAMPUS FIRE ALARM |
| CABLE INFRASTRUCTURE UPGRADES |
| 2000 PENNINGTON ROAD, |
| EWING NJ, 08618 |
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| | nall Be Sleeved And ntity With FA005 - FA008 | 1 |
| | ment For Specific | |
| | me. Provide Slack Loop g Main Distribution | 2 |
| | m Main Distribution Located Adjacent To The | |
| 03 / 06 Located CNJ IT. e. | As Close As Possible To | 3 |
| | all Mounted Connector I Details On Sheet G005. | |
| | | 4 |
| | Show The Location Of All ve A Complete Functional | |
| | n Boxes At All Transitions Vhere Pathway Is Located | 5 |
| | lards, And Other Agencies | |
| To Field Verify R | outing Fiber With Existing | |
| Penetrations Price | or To Running Cable And | 6 |
| t Be Maintaineo ng. Approval F | Conduit. Route. During All Phases d Through Each Affected rom The Department Of | 7 |
| Route. | | |
| Description | | |
| | Control Panel | 8 |
| Point Of Ent Main Distrik | ry oution Frame | |
| | | 9 |
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| | | | | KEY NOTES | | | | |
| | | | | Core Dr Sealed Sheets Locatio Existing Termin Route F And Fib Termin Rack. Co Route F Frame O Fire Ala New W The Fire Core Dr Frame Level St | rill Foundation Wall F As Per G005. Coordin And TCNJ IT Departm n Of Existing Empty G g Spare Fiber Capacit ation Points. Fiber Pathway As Per per Labeling As Per Sp ate Fiber Within New oordinate Labeling T Fiber Pathway As Per Cable Connector Hou rm Control Panel. all Mounted Connector Fill All Floor Penetrat (MDF) On First Floo torage Room. All Floo | Conduits. Provide Ne y Available At MDF. (G003 From Point Of | nt Of Entry. Wal ntry Location Ar w Fiber And Inr Coordinate With Entry To Main Ousing Located NJ IT Departme /12 Hybrid Fire ed Connector Ho s Per Detail GOO ocation With TO From Point Of E To Wall Mount e Labeled Per Sp | ll Penet nd Conc nerduct. h TCNJ I Distribu Within ent. Alarm F lousing (03 / 06 CNJ IT. Entry Or ted Cor pec And |
| | | | | GENERAL N 1. The Ass | | wings Are Diagramm | natic And Are N | lot Inter |
| - EXISTING FIRE ALARM PANE ing Fire Alarm Control Panel | EL | and the second se | | Installa 2. New 1- | tion (In Conjunction 1/4" Fiber Conduit ⁻ | oordinate All Details With The Project Spe To Be Concealed Wh | ecifications). nenever Possibl | le With |
| | | | | In Conc 3. All Wor | ealed Locations. rk Shall Be Done In A | Metallic Tubing Inste | | |
| | | | | _ | - | own Are Diagrammat | ic. Contractor T | 「o Field |
| | | | | 6. Contrac | ctor Shall Be Respo | ll Be New Unless Oth nsible To Sleeve Wa | | enetrat |
| | | | | | t For All Cable Runs I | Noted In Plans. And Floor Penetration | ons After Runni | ing Cabl |
| | | C | | 8. A Portio Of This Emerge | on Of This Work Wil Project, A Protect ency Egress Route, A | l Be Occurring In The ed Emergency Egre Allowing Retreat Fro red To Close Or Re-di | e Path Of An Em ss Route Must om The Buildin | nergenc Be Ma ng. App |
| Horyvel | | j | | PARTIAL S | YMBOLS & ABBRE | /IATIONS | | |
| | • | | | Identifier | Description | | Identifier | Des |
| | | | | | New Fiber Pathwa | У | FACP | Fire |
| | | | | ~0 | Conduit Pipe Up T Above Or Through | | POE | Poi |
| | | | | | Conduit Pipe Drop Down | / Offset | MDF | Ma |
| | - there | | | FACP | Fire Alarm Control | Panel | | |
| | | | | WCH | Wall Mounted Cor | nnector Housing | | |
| - EXISTING FIRE ALARM PANE | | A. | | RACK | IT Rack Photo Identificatio | on Tag | | |
| ing Fire Alarm Control Panel | | | | | Connect To Existin | - | | |
| | | | | | MDF / POE | | | |
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| TCNJ - CAMPUS FIRE ALARM |
| CABLE INFRASTRUCTURE UPGRADES |
| 2000 PENNINGTON ROAD, |
| EWING NJ, 08618 |

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INTERIOR FIBER ROUTING BUSINESS BUILDING & CENTENNIAL HALL FIRE ALARM

checked by SG

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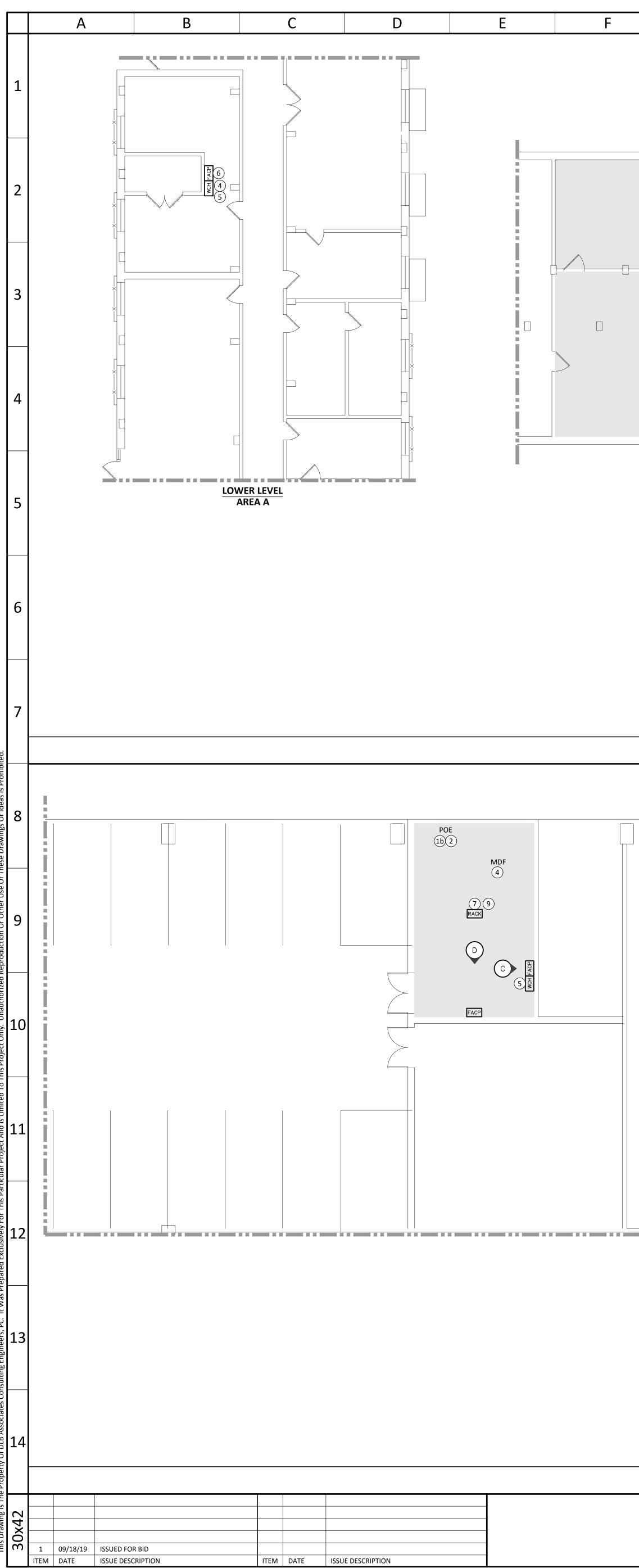
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date 09/18/2019

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| | |
| NG DRAWINGS all Penetration Shall Be Sleeved And and Conduit Quantity With FA005 - FA008 | 1 |
| inerduct. th TCNJ IT Department For Specific | |
| Distribution Frame. Provide Slack Loop | 2 |
| d Within Existing Main Distribution Frame ent. | |
| e Alarm Fiber From Main Distribution Housing (WCH) Located Adjacent To The | 2 |
| 003 / 06 Located As Close As Possible To TCNJ IT. Entry On Lower Level To Main Distribution Inted Connector Housring (WCH) In Lower | 3 |
| Spec And Details On Sheet G005. e. | |
| | 4 |
| | |
| | |
| Not Intended To Show The Location Of All equired To Achieve A Complete Functional | 5 |
| ble With Junction Boxes At All Transitions t Is Acceptable Where Pathway Is Located | |
| ion Codes, Standards, And Other Agencies | 6 |
| To Field Verify Routing Fiber With Existing | |
| Penetrations Prior To Running Cable And | 7 |
| ning Cables And Conduit. | |
| mergency Egress Route. During All Phases at Be Maintained Through Each Affected ng. Approval From The Department Of Route. | 8 |
| r <u>Description</u> Fire Alarm Control Panel | 9 |
| Point Of Entry | |
| Main Distribution Frame | 10 |
| | |
| | 11 |
| | 12 |
| | |
| | 13 |
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| <i>1/]]</i> | 14 |
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| dwg. no. FA016 | |
| Confidential and Proprietary / ©DLB Associate | s 2019 |



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| MDF RACK (B) | | B POE 1D 2 | | | FUTO A - EXIST Honeywell FS90 Addressa Conduit Located |
| LOWER LEVI AREA B | A B KEYPLAN (N) | ROOF 6th FLOOR 5th FLOOR 4th FLOOR 3rd FLOOR 2nd FLOOR 1st FLOOR LOWER LEVEL VERTICAL KEY | | | Fund Fund <t< td=""></t<> |
| CROMWELL H | ALL - FIBER LAYOUT | lle: Drawing: FA017 3"=1'-0" Detail: 01 | | | |
| | | | | | Frage Frage Fr |
| | | | | | |
| | KEYPLAN | 4th FLOOR 3rd FLOOR 2nd FLOOR 1st FLOOR VERTICAL KEY | | Si | PHOTO D - EXIST mplex 4020 Addressable Fir Exposed Conduit Loca |
| DECKER GARA | AGE - FIBER LAYOUT | lle: Drawing: FA017 B"=1'-0" Detail: 02 | | lb associates | LAPUSEU CONQUIT LOC |
| | | | C 265 Inc | ONSULTING ENGINEERS, P.C. dustrial Way West, Eatontown, N.J. 07724 | |
| | | | Questions For DLB Call: DLB Project ID: 47211 | Anthony Laskosky Phone: 732-927-5038 | |

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STING FIRE ALARM CONTROL PANEL ssable Fire Alarm Control Panel With Exposed ed Within Lower Level Storage Room



OTO B - POINT OF ENTRY htry Location Within Lower Level Storage Room



STING FIRE ALARM CONTROL PANEL able Fire Alarm Control Panel And Booster Panel it Located Within First Floor Electrical Room

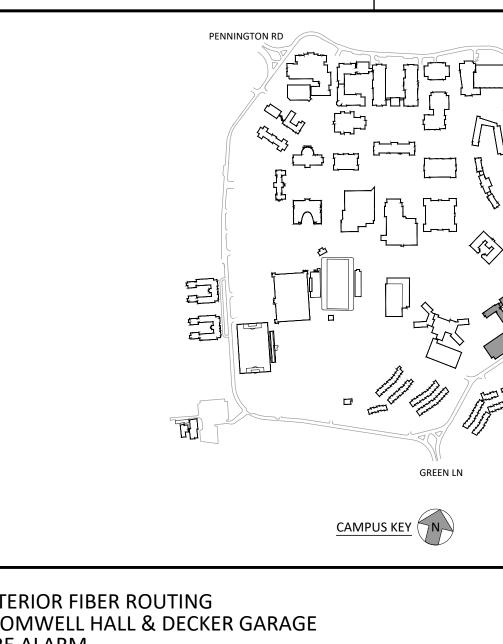


ISTING FIRE ALARM CONTROL PANEL Fire Alarm Control Panel And Booster Panel With ocated Within First Floor Electrical Room

| project |
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| CABLE INFRASTRUCTURE UPGRADES |
| 2000 PENNINGTON ROAD, |
| EWING NJ, 08618 |

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|----------------|---------------------|--|---|--|-----------------|--|---------|
| KEY N | OTES | Q (SYMBOLS 1 | R | | S | | |
| | | | | | | | - |
| 1a. Co | ore Drill | Foundation Wall | ATED ON ALL INTERIOF I For New Conduit Poir | it Of Entry. Wall | Penetration Sl | | 1 |
| | | s Per G005. Coorc nd TCNJ IT Depart | | itry Location And | l Conduit Qua | ntity With FA005 - FA008 | |
| | | | Conduits. Provide Nev | | | | |
| | | ion Points. | ity Available At MDF. C | oordinate with | ICNJ II Depar | tment For Specific | |
| | | er Pathway As Pe r Labeling As Per | | Entry To Main D | istribution Fra | me. Provide Slack Loop | 2 |
| | | | ew Cable Connector Ho Terminations With TC | • | • | Main Distribution Frame | |
| Fr | ame Ca | ble Connector Ho | er G003 Containing 12/ Dusing To Wall Mounte | | | m Main Distribution ocated Adjacent To The | |
| | | n Control Panel. Vall Mounted Cor | nnector Housing (WCH |) As Per Detail G | 003 / 06 Locat | ed As Close As Possible | 3 |
| Тс | o The Fi | re Alarm Control | Panel. Coordinate Fina | al Location With | • | | |
| 7. Pr | rovide 3 | 0" Deep Wall Mo | | nate Fiber Withi | | Connector Housing Within | |
| | | | g Field Conditions And | • | | Department. Coordinate | |
| La | abeling | | ith TCNJ IT Departm | | - | Within Rack. Coordinate Nition With Existing Field | 4 |
| 9. Co | ontracto | or Shall Provide | A 120V Circuit Fo | • | • | ower Within 30" Deep | |
| | | | Provided From Near Conduit With A 20 A | | | nel With Available Space Breaker. | |
| | | | | | | | |
| GENEI | RAL NO | DTES | | | | | 5 |
| | | - | | | | Show The Location Of All ve A Complete Functional | |
| | | - | n With The Project Spe | • | | · | |
| | - | | | | | n Boxes At All Transitions Vhere Pathway Is Located | |
| In | Concea | aled Locations. | | | | | 6 |
| | | Shall Be Done In risdiction. | Accordance With Indu | stry Construction | n Codes, Stand | lards, And Other Agencies | |
| | | - | nown Are Diagrammat | ic. Contractor To | Field Verify R | outing Fiber With Existing | |
| | onditior II Work | | all Be New Unless Oth | erwise Noted | | | 7 |
| | | | | | netrations Prio | or To Running Cable And | |
| Co | onduit f | or All Cable Runs | Noted In Plans. | | | | |
| | | | Ill And Floor Penetratio | | - | | |
| Of | f This | Project, A Protec | cted Emergency Egres | s Route Must | Be Maintaine | Route. During All Phases d Through Each Affected | 8 |
| | • | | lired To Close Or Re-di | J. J | | rom The Department Of | |
| PARTI | IAL SYN | /IBOLS & ABBRE | EVIATIONS | . <u>.</u> | | | |
| <u>Identif</u> | | Description | | <u>Identifier</u> | Description | - | |
| <u>کــــــ</u> | <u> </u> | New Fiber Pathw Conduit Pipe Up | | FACP | | Control Panel | 9 |
| ~0 | | • • | gh Section Cut Line | POE | Point Of Ent | | |
| ت سخ | | Down | py onset | MDF | Main Distrib | oution Frame | |
| FACP | - | Fire Alarm Contro | ol Panel onnector Housing | | | | |
| RACK | _ | IT Rack | | | | | 10 |
| A | | Photo Identificat | ion Tag | | | | |
| -•• | _ | Connect To Exist | ing | | | | |
| | | MDF / POE | | | | | |
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| INTERI CROM | WELL | BER ROUTING HALL & DECK | 5 | PUS KEY | dwg. no. | FA017 | |
| INTERI | WELL LARM | HALL & DECK | G KER GARAGE necked by date | | dwg. no. | FA017 | |

| Identifier | Description | <u>Identifier</u> |
|------------|--|-------------------|
| , | New Fiber Pathway | FACP |
| ~0 | Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE |
| €5 | Conduit Pipe Drop / Offset Down | MDF |
| FACP | Fire Alarm Control Panel | |
| WCH | Wall Mounted Connector Housing | |
| RACK | IT Rack | |
| A | Photo Identification Tag | |
| | Connect To Existing | |
| | MDF / POE | |
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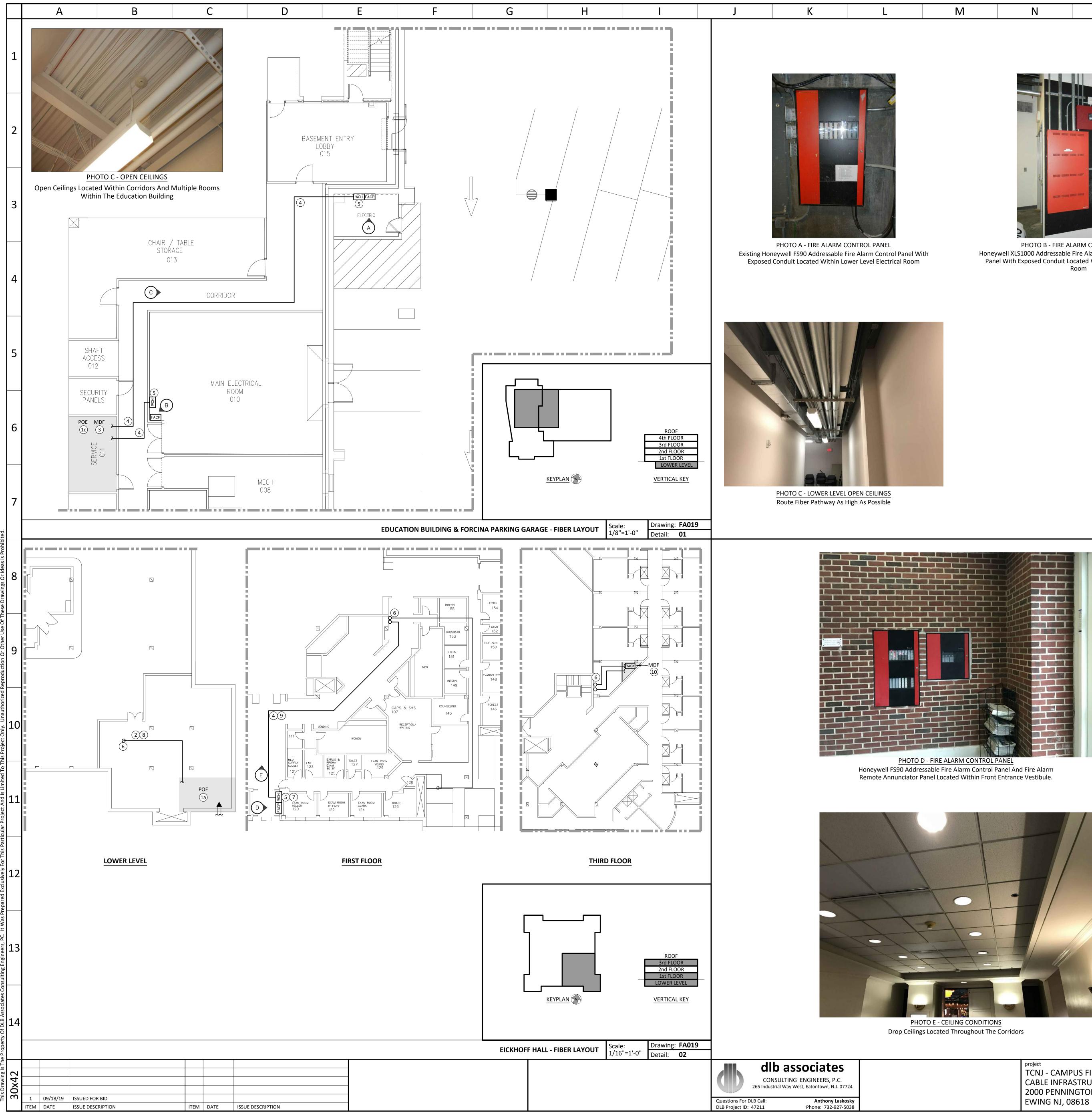
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|---|--|--|---|--|-----------------------------|-------------|
| KEY NOTES | (SYMBOLS 1), 2, ETC.) | | | | | |
| KEYNOTES 1 | THRU 5 ARE REPEATED ON ALL INTER | RIOR FIBER ROUTIN | G DRAWINGS | | | |
| Sealed A | I Foundation Wall For New Conduit s Per G005. Coordinate Final Point C .nd TCNJ IT Department. | | | | | |
| | Of Existing Empty Conduits. Provide | New Fiber And Inr | nerduct. | | | |
| | Spare Fiber Capacity Available At ME tion Points. | PF. Coordinate With | n TCNJ IT Depa | artment For Sp | ecific | |
| 2. Route Fil | ber Pathway As Per G003 From Poin | t Of Entry To Main | Distribution F | rame. Provide S | Slack Loop | 2 |
| | er Labeling As Per Specs. te Fiber Within New Cable Connecto | r Housing Located | Within Existin | ig Main Distribu | ution Frame | |
| Rack. Co | ordinate Labeling Terminations With | TCNJ IT Departme | nt. | - | | |
| Frame Ca | per Pathway As Per G003 Containing able Connector Housing To Wall Mo m Control Panel. | | | | | |
| | ll Mounted Connector Housing (WCI Alarm Control Panel. Coordinate Fin | | | ed As Close As P | Possible To | 3 |
| 6. Core Dri | II All Floor Penetrations To Route F | ber From Point Of | Entry In Base | | | |
| • | иDF) On First Floor. Route From MD Penetrations To Be Labeled Per Spe | | | lousing (WCH) | In Basement. | - |
| | ber Pathway Above Drop Ceiling Wh | | actor Housin | va Within Pack | . Coordinato | |
| Labeling | Two Post Rack. Terminate Fiber Terminations With TCNJ IT Depa ns And TCNJ IT Department. | | | • | | |
| | | | | | | |
| GENERAL NO | OTES | | | | | - 5 |
| | ociated Project Drawings Are Diagra | | | | | |
| | nt And Devices; Coordinate All Deta on (In Conjunction With The Project | | quired To Ach | ieve A Comple | te Functional | |
| | /4" Fiber Conduit To Be Concealed | | | | | |
| | ows. Flexible Non Metallic Tubing I aled Locations. | nstead Of Conduit | is Acceptable | e Where Pathw | ay Is Located | 6 |
| | Shall Be Done In Accordance With I urisdiction. | ndustry Construction | on Codes, Sta | ndards, And Ot | her Agencies | |
| C | Routing Where Shown Are Diagram | matic. Contractor T | o Field Verify | Routing Fiber | With Existing | ╞ |
| Conditio | ns. | | | | - | _ |
| _ | And Materials Shall Be New Unless | | anatration - D | rior To Duration | a Cabla Ard | |
| | or Shall Be Responsible To Sleeve For All Cable Runs Noted In Plans. | wan Anu FIOOF P | checiacions P | ייסי וס געווחוח | _ю саын АПО | 1 |
| conduit | FOI All Cable Rulls Noted III Flatis. | | | | | |
| 7. Contract 8. A Portio | or To Firestop Wall And Floor Penet n Of This Work Will Be Occurring In | The Path Of An Em | nergency Egre | ss Route. Duri | 0 | |
| Contract A Portion Of This Emergen | or To Firestop Wall And Floor Penet | The Path Of An Em gress Route Must From The Buildin | nergency Egre Be Maintair ng. Approval | ss Route. Duri ied Through E | ach Affected | |
| Contract A Portion Of This Emergen Commun | or To Firestop Wall And Floor Penet n Of This Work Will Be Occurring In Project, A Protected Emergency E ncy Egress Route, Allowing Retreat | The Path Of An Em gress Route Must From The Buildin | nergency Egre Be Maintair ng. Approval | ss Route. Duri ied Through E | ach Affected | |
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| 1b. Location Of Existing Empty Conduits. Provide New1c. Existing Spare Fiber Capacity Available At MDF. Conduits | | | ent For Specific | | | |
| Termination Points. Route Fiber Pathway As Per G003 From Point Of Er | ntry To Main Dist | ribution Frame | e. Provide Slack Loop | 2 | | |
| And Fiber Labeling As Per Specs. Terminate Fiber Within New Cable Connector Hou | • | hin Existing Ma | ain Distribution Frame | | | |
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| Conduit For All Cable Runs Noted In Plans. Contractor To Firestop Wall And Floor Penetration | | | | | | |
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| FACP Fire Alarm Control Panel | | | | 10 | | |
| WCH Wall Mounted Connector Housing | | | | | | |
| A Photo Identification Tag | | | | | | |
| Connect To Existing MDF / POE | | | | 11 | | |
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TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD,



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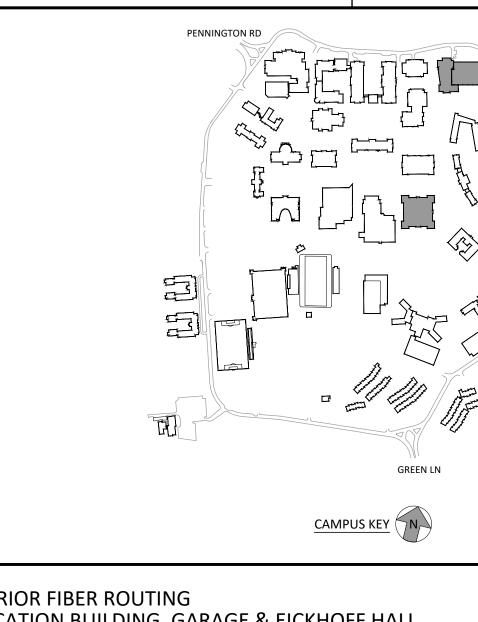
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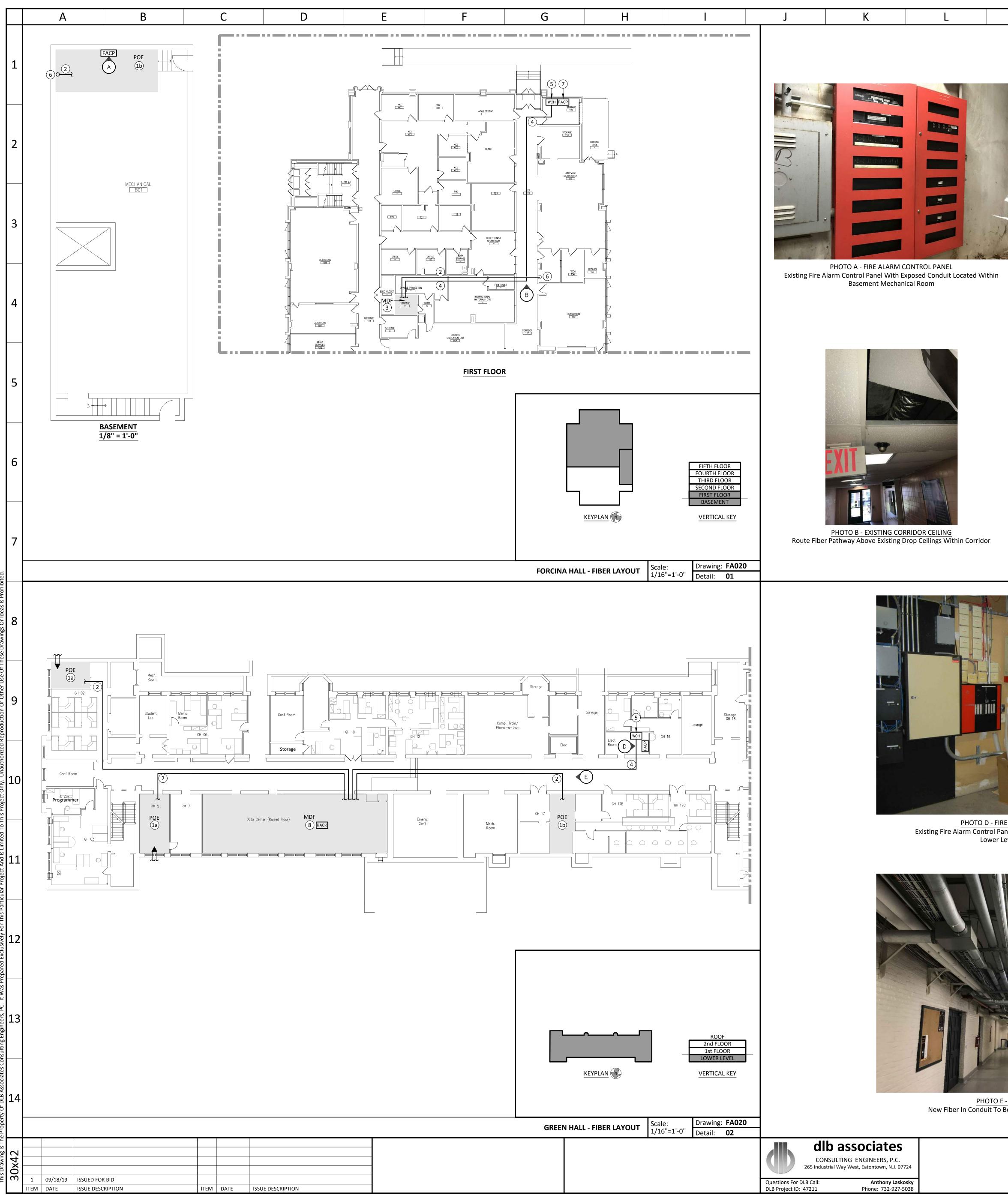
PHOTO B - FIRE ALARM CONTROL PANEL Honeywell XLS1000 Addressable Fire Alarm Control Panel And Booster Panel With Exposed Conduit Located Within Lower Level Electrical

| project |
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| TCNJ - CAMPUS FIRE ALARM |
| CABLE INFRASTRUCTURE UPGRADES |
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| WCH Wall Mounted Connector Housing | | | | | |
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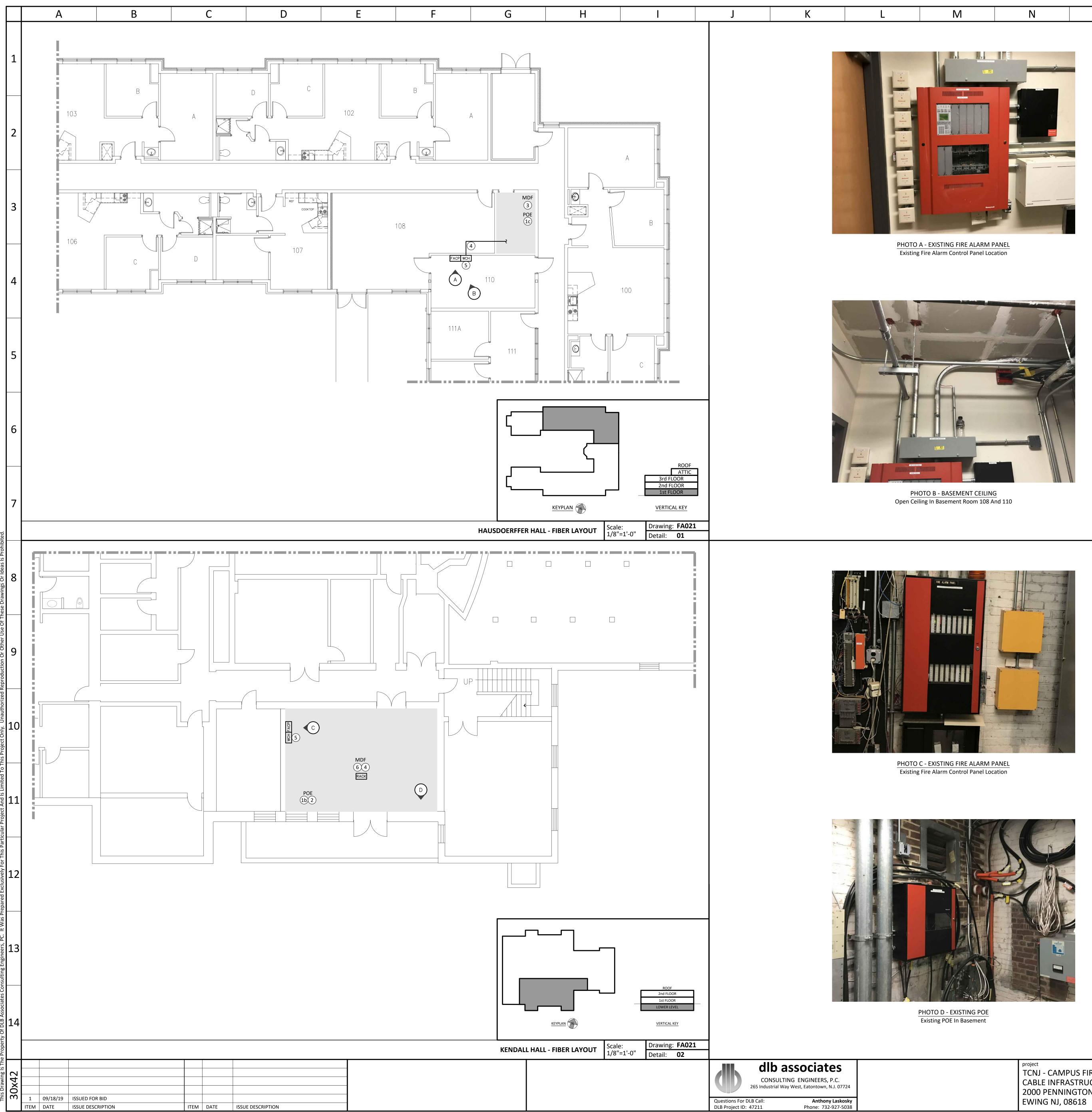
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| 5. New Wall Mounted Connector Housing (WCH) As The Fire Alarm Control Panel. Coordinate Final Loc | | • | ed As Close | As Possible To | 3 |
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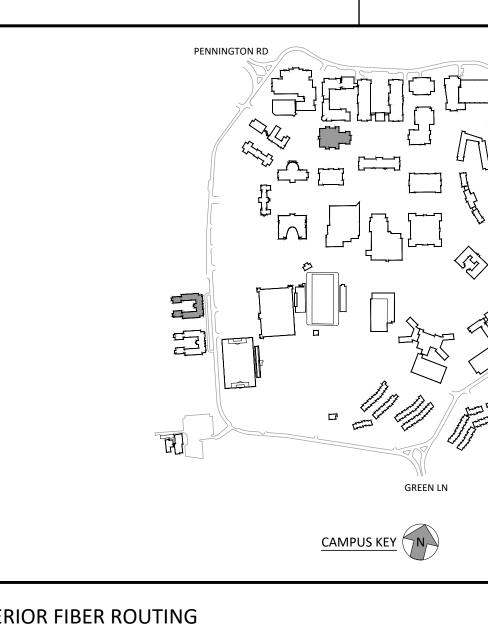
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| Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affected Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department Of Community Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS Identifier Description Vew Fiber Pathway FACP Fire Alarm Control Panel Image: Conduit Pipe Up Through Floor Above Or Through Section Cut Line POE Point Of Entry | |
| Identifier Description Identifier Description New Fiber Pathway Conduit Pipe Up Through Floor Above Or Through Section Cut Line POE Point Of Entry | 8 |
| Image: New Fiber Pathway FACP Fire Alarm Control Panel Image: New Fiber Pathway Image: New Fiber Pathway FACP Fire Alarm Control Panel Image: New Fiber Pathway Image: New Fiber Pathway FACP Fire Alarm Control Panel Image: New Fiber Pathway Image: New Fiber Pathway FACP Fire Alarm Control Panel Image: New Fiber Pathway Image: New Fiber Pathway FACP Fire Alarm Control Panel Image: New Fiber Pathway Image: New Fiber Pathway FACP Fire Alarm Control Panel Image: New Fiber Pathway Image: New Fiber Pathway FACP For Alarm Control Panel | |
| Above Or Through Section Cut Line | 9 |
| Conduit Pipe Drop / Offset MDF Main Distribution Frame | |
| Down Mor Mor FACP Fire Alarm Control Panel Improve Main Distribution Frame | 10 |
| IT Rack FIRE ALARM CONTROL PANEL | |
| Panel With Exposed Conduit Located Within r Level Electrical Room Connect To Existing | |
| MDF / POE | 11 |
| PENNINGTON RD | • |
| | 12 |
| | |
| | |
| | 13 |
| | |
| GREEN LN | 14 |
| o Be Run Along Basement Open Ceiling. | |
| project TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD, EWING NJ, 08618 EWING NJ, 08618 title INTERIOR FIBER ROUTING FORCINA HALL & GREEN HALL FIRE ALARM Scale drawn by checked by date scale drawn by checked by date scale drawn by checked by date scale drawn by checked by date scale drawn by checked by date scale drawn by checked by date scale trice | |



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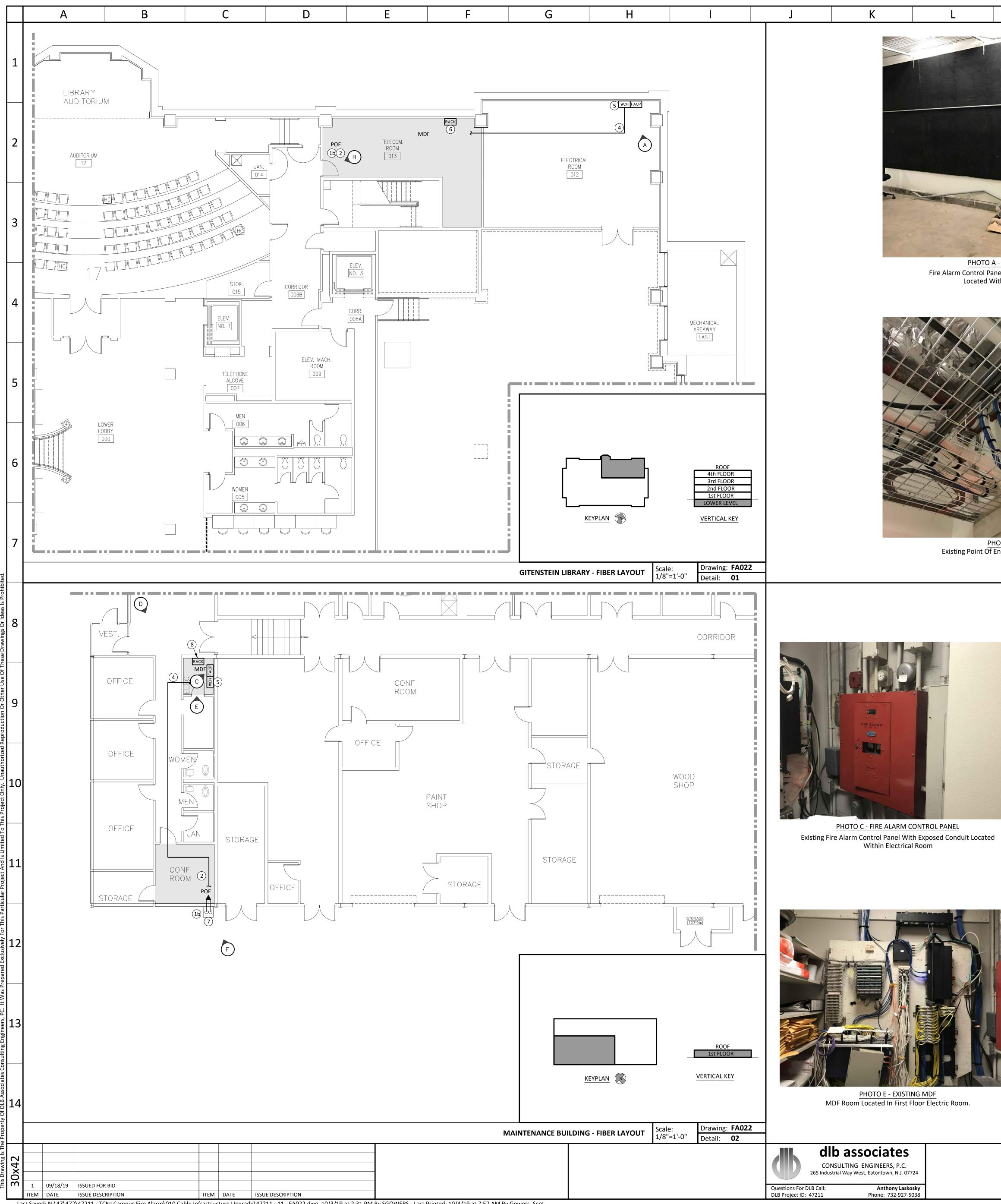
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| • EXISTING FIRE ALARM PANEL ire Alarm Control Panel Location | | | Core Seale Shee Locat Locat Existi Term Rout And Term Fram Rout Fram Rout Fram New The I Provi Coor | Drill Foundation Ned As Per G005. Co ts And TCNJ IT De tion Of Existing En ing Spare Fiber Ca nination Points. e Fiber Pathway A Fiber Labeling As I ninate Fiber Within e Rack. Coordinat e Fiber Pathway A ce Cabinet Connec Alarm Control Pan Wall Mounted Co Fire Alarm Control de Two Post Rac dinate Labeling T | npty Conduits. Provide Ne pacity Available At MDF. C s Per G003 From Point Of Per Specs. n New Cabinet Connector e Labeling Terminations V s Per G003 Containing 12, tor Housing To Wall Mour | at Of Entry. Wall Pentry Location And Control Location And Condinate With TCC Entry To Main Dist Housing Located With TCNJ IT Depart (12 Hybrid Fire Alar ated Connector Houston Connector Houston With TCNJ bin New Cable Control Location With TCNJ |
| | | | | | | |
| | | | GENERA | L NOTES | | |
| | | | Equip | oment And Device | t Drawings Are Diagramm es; Coordinate All Details (ction With The Project Spe | Of Work As Requir |
| | | | And | | duit To Be Concealed Wh Non Metallic Tubing Inste | |
| 6 | | | Havir | ng Jurisdiction. | e In Accordance With Indu e Shown Are Diagrammat | |
| | | | | litions. | | |
| | | | 6. Cont | ractor Shall Be R | s Shall Be New Unless Oth esponsible To Sleeve Wa uns Noted In Plans. | |
| | | | 7. Cont | ractor To Firestop | Wall And Floor Penetration | ons After Running (|
| TO B - BASEMENT CEILING og In Basement Room 108 And 110 | | | Of T Emer | his Project, A Progency Egress Rom | Will Be Occurring In The otected Emergency Egresulte, Allowing Retreat Fro equired To Close Or Re-di | ss Route Must Be om The Building. |
| | | | PARTIAL | SYMBOLS & AB | BREVIATIONS | |
| | | | Identifier | | | Identifier |
| FIRE ALARM PANEL | | | <u> </u> | Rew Fiber Pa | thway | FACP |
| | | | ~ | | Up Through Floor ough Section Cut Line | POE |
| | | | | | Drop / Offset | MDF |
| | | | FACP | Fire Alarm Co | ntrol Panel | |
| | | | WCH | | d Connector Housing | |
| | | | RACK | IT Rack | | |
| | | | A | Photo Identif | ication Tag | |
| | | | | Connect To E | xisting | |
| | | | | MDF / POE | | |
| - EXISTING FIRE ALARM PANEL | | | | | | |
| ire Alarm Control Panel Location | | | | | | |
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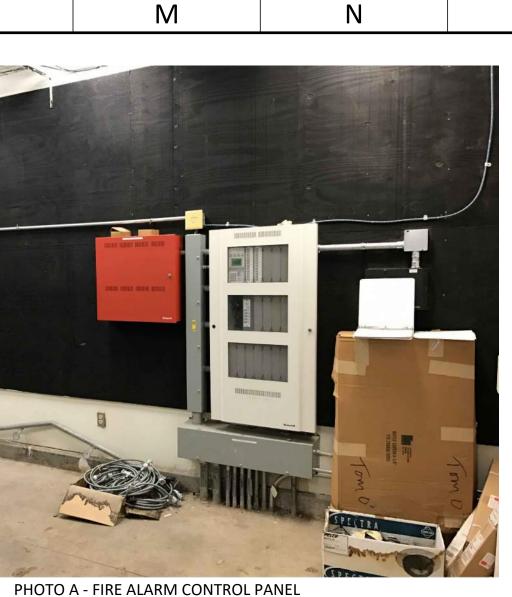
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TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD,

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| | |
| PRAWINGS enetration Shall Be Sleeved And Conduit Quantity With FA005 - FA008 | 1 |
| luct. NLIT Department For Specific | |
| CNJ IT Department For Specific | ן ר |
| ribution Frame. Provide Slack Loop | Ζ |
| Vithin Existing Main Distribution tment. | |
| rm Fiber From Main Distribution using (WCH) Located Adjacent To The | |
| 06 Located As Close As Possible To IT. | 3 |
| onnector Housing Within New Rack. ordinate Final Location With Existing | |
| | л |
| | 4 |
| ntended To Show The Location Of All ed To Achieve A Complete Functional | |
| Vith Junction Boxes At All Transitions Acceptable Where Pathway Is Located | 5 |
| Codes, Standards, And Other Agencies | |
| ield Verify Routing Fiber With Existing | |
| | 6 |
| trations Prior To Running Cable And | - |
| Cables And Conduit. | |
| ency Egress Route. During All Phases Maintained Through Each Affected Approval From The Department Of te. | 7 |
| | |
| Description Fire Alarm Control Panel | 8 |
| Point Of Entry Main Distribution Frame | |
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| | 9 |
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| | 10 |
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| | 11 |
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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



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

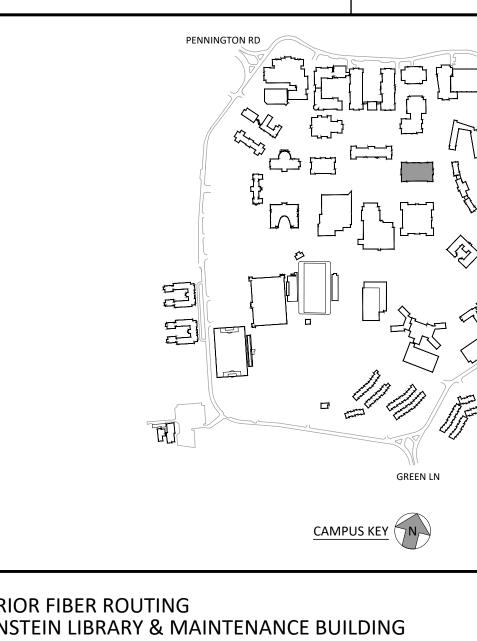


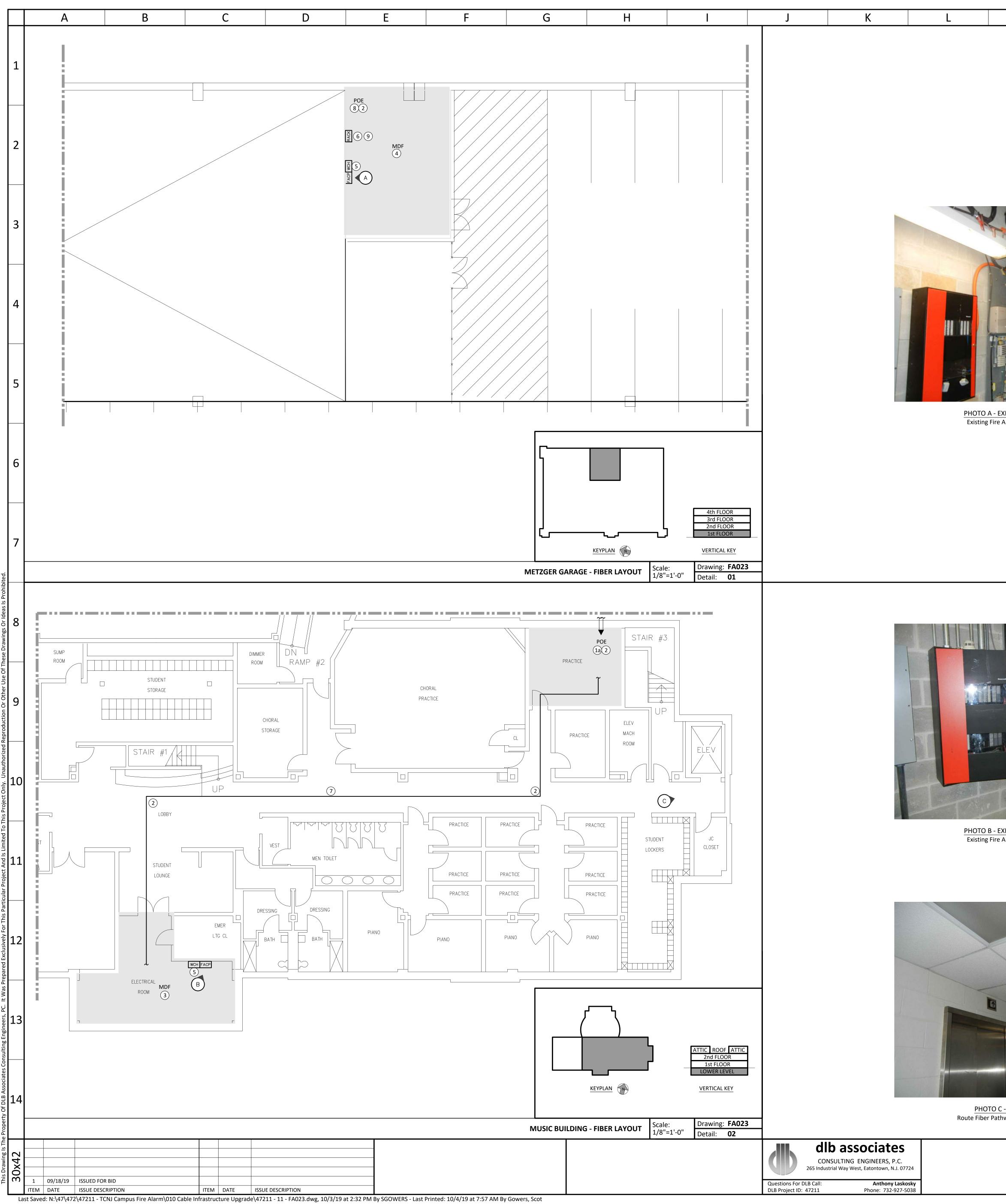
Location Of Existing Point Of Entry For Maintenance Building Pull Box Mounted On Building Exterior With Empty Conduit.

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

| | Q | R | S | | т | <u> </u> |
|--|---|---|--|--------------------------------------|-----------------------|----------|
| KEY NOTES | (SYMBOLS 1), 2, ETC.) | | | | | ┢ |
| 1a. Core Dri Sealed A | THRU 5 ARE REPEATED ON ALL II Foundation Wall For New Co As Per G005. Coordinate Final P And TCNJ IT Department. | nduit Point Of Entr | y. Wall Penetratio | on Shall Be Sleev | | 1 |
| 1c. Existing Termina | o Of Existing Empty Conduits. P Spare Fiber Capacity Available Ition Points. ber Pathway As Per G003 Fron | At MDF. Coordinat | e With TCNJ IT De | | | 2 |
| And Fibe 3. Termina Frame R 4. Route Fi | er Labeling Ás Per Specs. Ite Fiber Within New Cabinet C ack. Coordinate Labeling Term ber Pathway As Per G003 Cont | onnector Housing L inations With TCNJ aining 12/12 Hybrid | ocated Within Ex IT Department. d Fire Alarm Fiber | kisting Main Dist r From Main Dis | ribution tribution | |
| Fire Alar 5. New Wa The Fire | abinet Connector Housing To N m Control Panel. Ill Mounted Connector Housing Alarm Control Panel. Coordina Two Post Rack. Terminate | g (WCH) As Per Deta ate Final Location W | ail G003 / 06 Loca /ith TCNJ IT. | ated As Close As | Possible To | 3 |
| Field Co 7. Pull Box Power H | ate Labeling Terminations Wit nditions And TCNJ IT Departme Located on exterior of mainter louse. Empty Conduit Shall Be | ent. nance building with Traced, Reamed Ar | existing undergr nd Cleaned. Rout | ound empty cor e From The Pull | nduit from | |
| 8. Provide New Wa | Pathway Into The Office Space 12" Deep Wall Mounted Cabin all Mounted Cabinet. Coordina cation With Existing Field Cond | et. Terminate Fibe Ite Labeling Termir | er Within New Ca nations With TCN | ble Connector F | | 4 |
| | 0755 | | | | | 5 |
| GENERAL N | OTES ociated Project Drawings Are I | Diagrammatic And | Are Not Intended | d To Show The I | ocation Of All | ╞ |
| Installat 2. New 1-1 | ent And Devices; Coordinate A ion (In Conjunction With The P L/4" Fiber Conduit To Be Cond ows. Flexible Non Metallic Tu | roject Specification cealed Whenever P | s). ossible With Jun | ction Boxes At | All Transitions | 6 |
| 3. All Worl | ealed Locations. < Shall Be Done In Accordance urisdiction. | With Industry Cons | truction Codes, S | tandards, And C | Other Agencies | |
| Conditic | Routing Where Shown Are Dia ons. < And Materials Shall Be New U | - | | ify Routing Fibe | r With Existing | 7 |
| | tor Shall Be Responsible To S For All Cable Runs Noted In Pla | | oor Penetrations | Prior To Runn | ing Cable And | |
| 8. A Portio Of This Emerger | tor To Firestop Wall And Floor on Of This Work Will Be Occurr Project, A Protected Emerge ncy Egress Route, Allowing Re nity Affairs Is Required To Close | ing In The Path Of a ency Egress Route etreat From The E | An Emergency Eg Must Be Mainta Building. Approv | ress Route. Du ained Through | Each Affected | 8 |
| PARTIAL SY | MBOLS & ABBREVIATIONS | | | | | 1 |
| <u>Identifier</u> | Description | | tifier Descrip | | | 9 |
| | New Fiber Pathway Conduit Pipe Up Through Floo | | Point O | rm Control Pane f Entry | 21 | |
| € | Above Or Through Section Cu Conduit Pipe Drop / Offset Down | MDF | Main D | istribution Fram | e | |
| FACP WCH RACK | Fire Alarm Control Panel Wall Mounted Connector Ho IT Rack | using | | | | 10 |
| A | Photo Identification Tag | | | | | |
| | Connect To Existing MDF / POE | | | | | 11 |
| | PENNINGTON RD | | | | | 12 |
| | | | | | | 13 |
| | | G | REEN LN | | | 14 |
| | | CAMPUS KEY | N | | | |
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| KEY | NOTES | (SYMBOLS (1 | | | | <u> </u> | | 1 | |
| KEYI | NOTES 1 TH | IRU 5 ARE REPE | ATED ON ALL INTE | ERIOR FIBER F | ROUTING | DRAWINGS | | | 1 |
| 1a. | Sealed As | | ll For New Conduit dinate Final Point tment. | | • | | | | |
| | | | y Conduits. Provid city Available At M | | | | rtment For S | pecific | |
| 2. | Terminatio | on Points. | er G003 From Poil | | | | | | 2 |
| 2. | And Fiber | Labeling As Per | Specs. | · | | | | | |
| | Frame Rac | k. Coordinate L | ew Cabinet Conne abeling Terminatio | ons With TCN | IJ IT Depa | rtment. | - | | |
| 4. | Frame Cab | • | er G003 Containin Housing To Wall I | • | | | | | |
| 5. | | | ector Housing (WC Inel. Coordinate Fi | • | | - | d As Close As | Possible To | 3 |
| 6. | Coordinate | e Labeling Tern | Terminate Fiber ninations With TC | | | | • | | |
| 7. | Pull Box Lo | ocated on exteri | J IT Department. ior of maintenance | | | | | | |
| 0 | Existing Pa | thway Into The | duit Shall Be Trace Office Space And | Route Above | e The Ceili | ng To The N | 1DF. | C C | 4 |
| 8. | New Wall | Mounted Cabin | ounted Cabinet. T net. Coordinate La ng Field Conditions | abeling Term | inations \ | Nith TCNJ I | | U | |
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| | | | | | | | | | 5 |
| GEN | NERAL NO | TES | | | | | | | |
| 1. | Equipmen | t And Devices; (| rawings Are Diagr Coordinate All De n With The Projec | tails Of Work | As Requi | | | | |
| 2. | And Elbow | | t To Be Conceale n Metallic Tubing | | | | | | 6 |
| 3. | | hall Be Done In | Accordance With | Industry Con | struction | Codes, Star | ıdards, And C | Other Agencies | |
| 4. | | - | hown Are Diagran | nmatic. Contr | ractor To | Field Verify | Routing Fibe | r With Existing | 7 |
| 5. | Conditions | | nall Be New Unless | s Otherwise N | loted. | | | | |
| 6. | Contracto | r Shall Be Resp | onsible To Sleeve | | | etrations Pr | ior To Runn | ing Cable And | |
| 7. | | | s Noted In Plans. all And Floor Pene | trations Afte | r Running | Cables And | Conduit. | | |
| 8. | A Portion | Of This Work W | /ill Be Occurring Ir | n The Path Of | f An Emer | gency Egres | s Route. Du | C | 8 |
| | Emergency | y Egress Route | cted Emergency , Allowing Retrea uired To Close Or | at From The | Building. | Approval | U U | | |
| DAG | | BOLS & ABBR | | | | ute. | | | |
| | | Description | | Ide | entifier | Descriptio | n | | 9 |
| <u> </u> | | lew Fiber Pathv | vay | FAC | CP | Fire Alarm | Control Pane | 21 | |
| | 6 4 | | gh Section Cut Lin | e POI | E | Point Of E | ntry | | |
| <u> </u> | | Conduit Pipe Dro Down | op / Offset | MD |)F | Main Distr | ibution Fram | e | |
| | | ire Alarm Contr | ol Panel Connector Housing | , | | | | | 10 |
| _ | | T Rack | | | | | | | |
| (| | Photo Identificat | _ | | | | | | |
| | – | Connect To Exist ADF / POE | ting | | | | | | 11 |
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| title | | | 6 | CAMPUS KEY | N | dwg. n | 0. | | |
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| INTE GITE | NSTEIN I ALARM | LIBRARY & N | hecked by | EBUILDING | G | | FA0 | 22 Iry / ©DLB Associate | |





| M N O F | P Q R S T | \top |
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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 | 1 |
| | Sealed AS Per Guos. Coordinate Final Point OF Entry Location And Conduit Quantity With FAODS - FAODS 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 Withi New Wall Mounted Cabinet. Coordinate Labeling Terminations With 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" Dee Cabinet. Circuit Shall Be Provided From Nearest Electrical Distribution Panel With Available Spac Utilizing 2#12, #12G In 3/4" Conduit With A 20 Amp, 120V Single Phase Circuit Breaker. | 2 n e 4 |
| - EXISTING FIRE ALARM PANEL re Alarm Control Panel Location | The Associated Project Drawings Are Diagrammatic And Are Not Intended To Show The Location Of A Equipment And Devices; Coordinate All Details Of Work As Required To Achieve A Complete Functiona Installation (In Conjunction With The Project Specifications). New 1-1/4" Fiber Conduit To Be Concealed Whenever Possible With Junction Boxes At All Transition And Elbows. Flexible Non Metallic Tubing Instead Of Conduit Is Acceptable Where Pathway Is Locate | s — |
| | In Concealed Locations. 3. All Work Shall Be Done In Accordance With Industry Construction Codes, Standards, And Other Agencie Having Jurisdiction. 4. Conduit Routing Where Shown Are Diagrammatic. Contractor To Field Verify Routing Fiber With Existin Conditions. | ·s 6 |
| | All Work And Materials Shall Be New Unless Otherwise Noted. Contractor Shall Be Responsible To Sleeve Wall And Floor Penetrations Prior To Running Cable An 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 Phase | |
| | Of This Project, A Protected Emergency Egress Route Must Be Maintained Through Each Affecte Emergency Egress Route, Allowing Retreat From The Building. Approval From The Department O Community Affairs Is Required To Close Or Re-direct An Egress Route. PARTIAL SYMBOLS & ABBREVIATIONS | d |
| | IdentifierDescriptionIdentifierDescription New Fiber PathwayFACPFire Alarm Control Panel | 9 |
| - EXISTING FIRE ALARM PANEL | FACP Fire Alarm Control Panel WCH Wall Mounted Connector Housing RACK IT Rack A Photo Identification Tag Onnect To Existing MDF / POE | 10 |
| re Alarm Control Panel Location | | 11 |
| | PENNINGTON RD | 12 |
| | | 13 |
| O C - LOWER LEVEL CEILING athway Above Existing Drop Ceiling | GREEN LN CAMPUS KEY | 14 |
| 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 AM SG 09/18/2019 date 09/18/2019 | |

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



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|----|-----------------------|-------|-------|---------------------|---|---|
| | | | | KEY NOTE | S (SYMBOLS |),②, ETC.) |
| | | | | KEYNOTES : | L THRU 5 ARE REPE | ATED ON ALL INTER |
| | | | | Sealed | | ll For New Conduit P dinate Final Point Of rtment. |
| | + | | | 1b. Locatio | on Of Existing Empt | y Conduits. Provide |
| | | SNALT | 1 | | g Spare Fiber Capa ation Points. | city Available At MDI |
| 10 | | III- | 21220 | | Fiber Pathway As P per Labeling As Per | er G003 From Point Specs. |
| | APP B | | 4 | | | lew Cabinet Connect abeling Termination |
| | Y | | | Existing Include | g Conduit Routing es One From The So | Soccer Mechanical F Between The Spaces oftball Pressbox to Tl ctor Housing (WCH) F |
| | and the second second | | | | | ector Housing (WCH anel. Coordinate Fina |

PHOTO - OVERVIEW



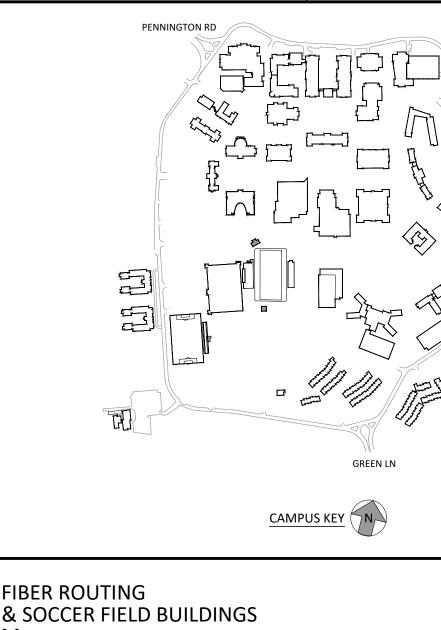
PHOTO - OVERVIEW



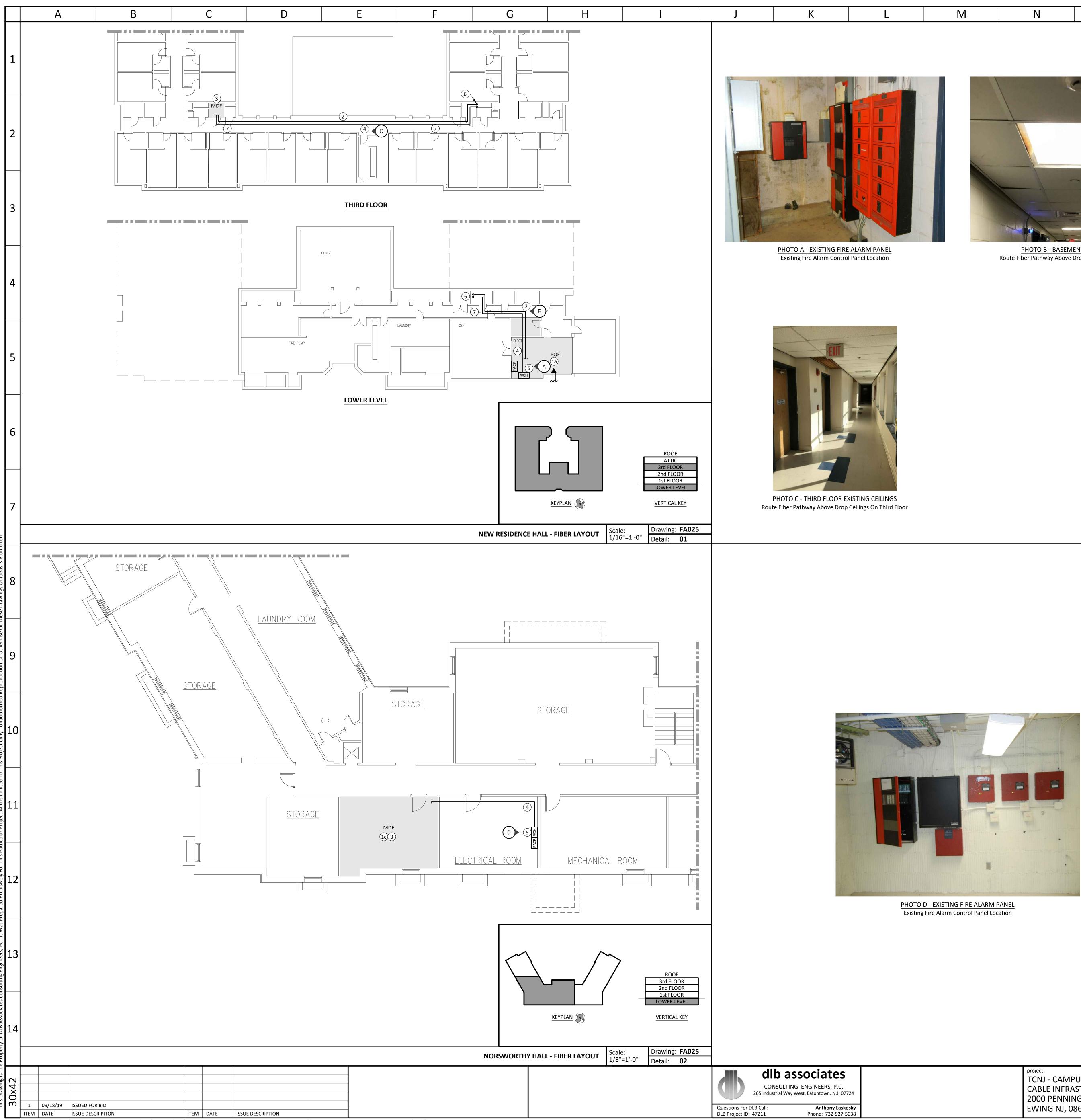
PHOTO D - CONDUIT ROUTING Route New Fiber Pathway Similar To The Existing Conduit Runs That Are Routed Under The Second Floor Press Box And Up Into The Mechanical Room.

| KE | | 0 | R | | S | т | <u> </u> |
|---------------------------------------|----------------------|---|---|----------------------------------|--|--|----------|
| | | ~ | | | 5 | I | |
| KEY | | | ATED ON ALL INTERIOR FI | | DRAWINGS | | |
| | . Core Dri | Il Foundation Wa | ll For New Conduit Point C dinate Final Point Of Entry | Of Entry. Wall P | enetration Sh | | 1 |
| | Sheets A | And TCNJ IT Depar | tment. | | | | |
| | Existing | Spare Fiber Capac | y Conduits. Provide New F city Available At MDF. Coo | | | ment For Specific | |
| 2. | | ition Points. ber Pathway As P | er G003 From Point Of En | try To Main Dis | stribution Frai | me. Provide Slack Loop | 2 |
| 3. | And Fibe | er Labeling As Per | | | | | |
| | Frame R | ack. Coordinate L | abeling Terminations With | h TCNJ IT Depa | rtment. | - | |
| 4. | Existing Includes | Conduit Routing E One From The Sc | Soccer Mechanical Room Between The Spaces. Con oftball Pressbox to The Soc | duit Shall Cont ccer MDF Roon | ain (2) 12/12 n And Second | Fiber Cables. This | |
| 5. | | | tor Housing (WCH) For Th ector Housing (WCH) As P | | | As Close As Possible To | 3 |
| 6. | | | inel. Coordinate Final Loca 12/12 Fiber Cable From M | | | | |
| 7. | Provide | 12" Deep Wall M | ounted Cabinet. Termina | te Fiber Withir | n New Cable C | Connector Housing Within Department. Coordinate | |
| | Final Loo | cation With Existir | ng Field Conditions And TC | CNJ IT Departm | ent. | | |
| 8. | Are Two | Separate Runs. | | | | Box To Soccer Press Box | 4 |
| 9. | New Wa | all Mounted Cabir | | Terminations \ | With TCNJ IT | Connector Housing Within Department. Coordinate | |
| 10. | | | | | | ower Within 30" Deep nel With Available Space | |
| | | | 4" Conduit With A 20 Amp | | | • | 5 |
| GE | ENERAL N | OTES | | | | | 1 |
| 1. | | 2 | e | | | Show The Location Of All | |
| | • • | | Coordinate All Details Of on With The Project Specifi | • | ired To Achiev | ve A Complete Functional | |
| 2. | | | | | | n Boxes At All Transitions Vhere Pathway Is Located | 6 |
| | | ealed Locations. | In Metallic Tubling Instead | Of Conduit is | | vilere Patriway is Located | |
| 3. | | < Shall Be Done In urisdiction. | Accordance With Industr | y Construction | Codes, Stand | ards, And Other Agencies | |
| 4. | | 0 | hown Are Diagrammatic. | Contractor To | Field Verify R | outing Fiber With Existing | |
| 5. | Conditic | | nall Be New Unless Otherv | vise Noted. | | | 7 |
| 6. | | | | | etrations Pric | or To Running Cable And | |
| | | For All Cable Run | | | | | |
| 7. 8. | | | all And Floor Penetrations | - | | Route. During All Phases | 8 |
| | Of This | Project, A Prote | ected Emergency Egress | Route Must B | e Maintaineo | Through Each Affected rom The Department Of | |
| | - | | uired To Close Or Re-direc | - | | · | |
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| <u>Ide</u> | entifier | Description | | Identifier | Description | | |
| | { | New Fiber Pathv | | | · · | | 9 |
| | | Conduit Pipe Up | | FACP | Fire Alarm C | Control Panel | 9 |
| | -0 | | Through Floor gh Section Cut Line | POE | Fire Alarm C Point Of Ent | control Panel ry | 9 |
| | -0 | Above Or Throu Conduit Pipe Dro Down | o Through Floor gh Section Cut Line op / Offset | | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | FACP | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr | o Through Floor gh Section Cut Line op / Offset | POE | Fire Alarm C Point Of Ent | Control Panel ry oution Frame | 9 |
| | | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr | o Through Floor gh Section Cut Line op / Offset rol Panel | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | PThrough Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | o Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | PThrough Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throu Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | PThrough Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throug Conduit Pipe Dro Down Fire Alarm Contro Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | PThrough Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throug Conduit Pipe Dro Down Fire Alarm Contro Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | PThrough Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE MDF | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | WCH | Above Or Throug Conduit Pipe Dro Down Fire Alarm Contro Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | Through Floor gh Section Cut Line op / Offset For Panel Connector Housing tion Tag ting | POE MDF | Fire Alarm C Point Of Ent Main Distrib | Control Panel ry oution Frame | 10 |
| | | Above Or Throug Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted C IT Rack Photo Identificat Connect To Exist MDF / POE | Through Floor gh Section Cut Line op / Offset connector Housing tion Tag ting | POE MDF | Fire Alarm C Point Of Ent Main Distrib Existing POE | control Panel | 10 |
| title INTE STA FIRE scale | | Above Or Throug Conduit Pipe Dro Down Fire Alarm Contr Wall Mounted O IT Rack Photo Identificat Connect To Exist MDF / POE | Through Floor gh Section Cut Line op / Offset rol Panel Connector Housing tion Tag ting | POE MDF | Fire Alarm C Point Of Ent Main Distrib Existing POE | Control Panel ry oution Frame | 10 |

| Q R | | S | T | |
|--|----------------------------------|---------------------------|--------------------------------------|------------------|
| KEY NOTES (SYMBOLS 1, 2, ETC.) | | | | |
| KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR F | | | | 1 |
| Core Drill Foundation Wall For New Conduit Point Sealed As Per G005. Coordinate Final Point Of Entr Sheets And TCNJ IT Department. | ry Location And | d Conduit Q | | |
| 1b. Location Of Existing Empty Conduits. Provide New1c. Existing Spare Fiber Capacity Available At MDF. Co | | | partment For Specific | |
| Termination Points. Route Fiber Pathway As Per G003 From Point Of End | ntry To Main D |) istribution | Frame. Provide Slack Loop | 2 |
| And Fiber Labeling As Per Specs.3. Terminate Fiber Within New Cabinet Connector He | • | | sting Main Distribution | |
| Frame Rack. Coordinate Labeling Terminations Wit4. Route A 2" Conduit From Soccer Mechanical Room | n To Soccer Pre | ess Box MDF | • | |
| Existing Conduit Routing Between The Spaces. Con Includes One From The Softball Pressbox to The So To Wall Mounted Connector Housing (WCH) For T | occer MDF Roo he Fire Alarm (| m And Secc Control Pan | ond From Soccer MDF Room el. | 3 |
| New Wall Mounted Connector Housing (WCH) As I The Fire Alarm Control Panel. Coordinate Final Loc New Construct the solution of the Second Second | cation With TCI | NJ IT. | | |
| New Conduit And Hybrid 12/12 Fiber Cable From N Provide 12" Deep Wall Mounted Cabinet. Termina New Wall Mounted Cabinet. Coordinate Labeling Final Location With Existing Field Conditions And T | ate Fiber With Terminations | in New Cab With TCNJ | le Connector Housing Within | |
| Final Location With Existing Field Conditions And T 8. Fiber Route From Admin Splice To Softball Press | | | ess Box To Soccer Press Box | 4 |
| Are Two Separate Runs. 9. Provide 30" Deep Wall Mounted Cabinet. Termina New Wall Mounted Cabinet. Coordinate Labeling | | | | |
| Final Location With Existing Field Conditions And T 10. Contractor Shall Provide A 120V Circuit For | CNJ IT Departr | ment. | | |
| Cabinet. Circuit Shall Be Provided From Neare Utilizing 2#12, #12G In 3/4" Conduit With A 20 Am | st Electrical D | istribution | Panel With Available Space | 5 |
| GENERAL NOTES | | | | $\left \right $ |
| The Associated Project Drawings Are Diagrammat Equipment And Devices; Coordinate All Details Of Installation (In Conjunction With The Project Speci | f Work As Requ | | | |
| New 1-1/4" Fiber Conduit To Be Concealed Whe And Elbows. Flexible Non Metallic Tubing Instead In Concealed Locations. | | | | 6 |
| All Work Shall Be Done In Accordance With Indust Having Jurisdiction. | ry Constructio | n Codes, Sta | andards, And Other Agencies | |
| Conduit Routing Where Shown Are Diagrammatic. Conditions. | . Contractor Tc | o Field Verif | y Routing Fiber With Existing | 7 |
| 5. All Work And Materials Shall Be New Unless Other | wise Noted. | | | |
| 6. Contractor Shall Be Responsible To Sleeve Wall Conduit For All Cable Runs Noted In Plans. | And Floor Pe | netrations | Prior To Running Cable And | |
| 7. Contractor To Firestop Wall And Floor Penetration | is After Runnin | g Cables An | d Conduit. | 8 |
| A Portion Of This Work Will Be Occurring In The P Of This Project, A Protected Emergency Egress Emergency Egress Route, Allowing Retreat From Community Affairs Is Required To Close Or Re-dire | Route Must n The Building | Be Maintai g. Approva | ned Through Each Affected | |
| PARTIAL SYMBOLS & ABBREVIATIONS | | | | 1 |
| Identifier Description | <u>Identifier</u> | Descript | | 9 |
| Kew Fiber Pathway Conduit Pipe Up Through Floor | FACP POE | | m Control Panel | |
| Above Or Through Section Cut Line | MDF | Point Of Main Dis | tribution Frame | |
| Down FACP Fire Alarm Control Panel | | Existing F | | 10 |
| WCH Wall Mounted Connector Housing | | | | |
| RACK IT Rack A Photo Identification Tag | | | | |
| Connect To Existing | | | | |
| MDF / POE | | | | 11 |
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| title INTERIOR FIBER ROUTING | | dwg. | | |
| STADIUM & SOCCER FIELD BUILDINGS FIRE ALARM scale drawn by checked by date | | | FA024 | |
| scale drawn by checked by date AS SHOWN AM SG 09/18/201 | 9 | Confident | tial and Proprietary / ©DLB Associat | tes 2019 |



| project |
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| CABLE INFRASTRUCTURE UPGRADES |
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| EWING NJ, 08618 |
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| | | | KE | Y NOTES (SYMBOLS (1 |),②, ETC.) | |
| | | | | | | |



PHOTO B - BASEMENT CORRIDOR CEILING Route Fiber Pathway Above Drop Ceiling In Basement Corridor

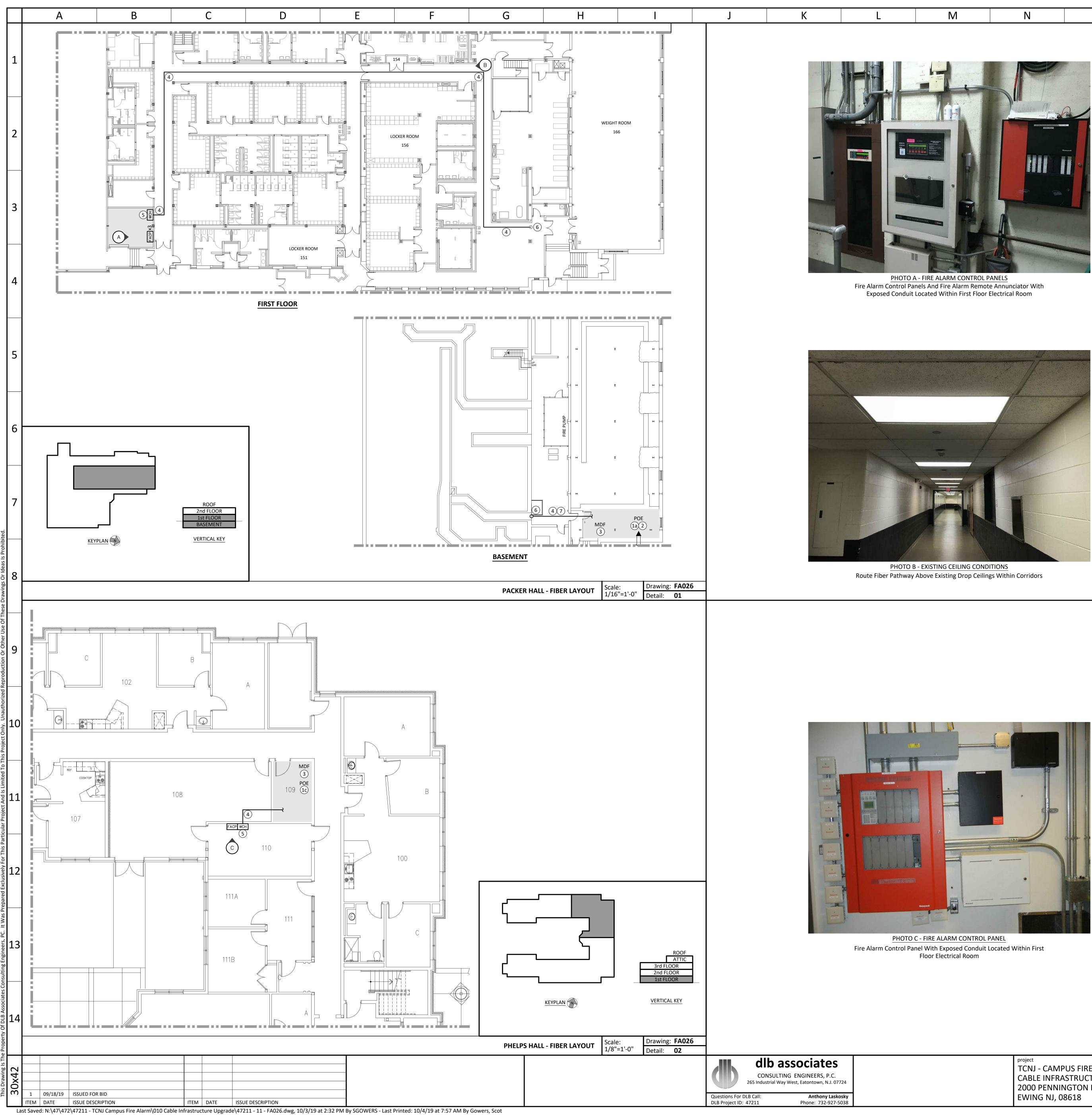
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| KEY | NOTES | (SYMBOLS (1 |),②, ETC.) | | _ | | |
| KEY | NOTES 1 | THRU 5 ARE REPE | ATED ON ALL INTERIC | OR FIBER ROUTING | DRAWINGS | | 1 |
| 1a. | Sealed A | | | • | | all Be Sleeved And tity With FA005 - FA008 | |
| | | | y Conduits. Provide N | | | | |
| | Termina | tion Points. | tity Available At MDF. | | | | |
| 2. | And Fibe | er Labeling As Per | Specs. | | | ne. Provide Slack Loop | 2 |
| 3. 4. | Frame R | ack. Coordinate La | ew Cabinet Connecto abeling Terminations er G003 Containing 1 | With TCNJ IT Depa | rtment. | - | |
| ч. | Frame Ca | • | | - | | Located Adjacent To The | |
| 5. | | | ector Housing (WCH) nel. Coordinate Final | | | As Close As Possible To | 3 |
| 6. | Distribut | ion Frame (MDF) | | e From MDF To W | all Mounted C | in Lower Level To Main Connector Housing (WCH) On Sheet G005. | |
| 7. | Route Fi | ber Pathway Abov | ve Drop Ceiling Wher | e Possible. | | | |
| GEN | NERAL N | OTES | | | | | 4 |
| 1. | | - | • • | | | Show The Location Of All | |
| | | - | n With The Project Sp | • | ired to Achiev | e A Complete Functional | |
| 2. | And Elbo | ows. Flexible No | | | | Boxes At All Transitions /here Pathway Is Located | 5 |
| 3. | | aled Locations. Shall Be Done In | Accordance With Inc | lustry Construction | Codes, Stand | ards, And Other Agencies | |
| 4 | Having J | urisdiction. | | | | | |
| 4. | Conduit Conditio | 0 | hown Are Diagramma | atic. Contractor To | Field Verify Ro | outing Fiber With Existing | |
| 5. 6. | | | nall Be New Unless Ot | | etrations Prio | r To Running Cable And | 6 |
| 0. | | For All Cable Runs | | | | TO Running Cable And | |
| 7. 8. | | | all And Floor Penetrat | - | - | onduit. Route. During All Phases | |
| | Of This | Project, A Prote | cted Emergency Egr | ess Route Must B | Be Maintained | Through Each Affected | 7 |
| | Commur | nity Affairs Is Requ | uired To Close Or Re- | direct An Egress Ro | oute. | | |
| PAF | RTIAL SY | MBOLS & ABBR | EVIATIONS | | | | |
| <u>Ider</u> | ntifier | Description | | <u>Identifier</u> | Description | | 8 |
| | -0 | New Fiber Pathw Conduit Pipe Up | Through Floor | FACP POE | Fire Alarm C Point Of Ent | | |
| , | Ð | Conduit Pipe Dro Down | gh Section Cut Line op / Offset | MDF | Main Distrib | ution Frame | |
| F | ACP | Fire Alarm Contr | ol Panel | | | | 9 |
| | WCH | Wall Mounted C | onnector Housing | | | | |
| (| A | Photo Identificat | tion Tag | | | | |
| | • | Connect To Exist MDF / POE | ing | | | | |
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| | | IBER ROUTING | | MPUS KEY | dwg. no. | | |
| NTE NEW | / RESID ALARM | ENCE & NORS 1 drawn by c | | | dwg. no. | FA025 | |

| Identifier | Description | Identifier |
|--------------|--|------------|
| | New Fiber Pathway | FACP |
| ⊶ | Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE |
| ر | Conduit Pipe Drop / Offset Down | MDF |
| FACP | Fire Alarm Control Panel | |
| WCH | Wall Mounted Connector Housing | |
| RACK | IT Rack | |
| A | Photo Identification Tag | |
| • | Connect To Existing | |
| | MDF / POE | |
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| | GREEN LN |
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| | CAMPUS KEY |
| ^{title} INTERIOR FIBER ROUT NEW RESIDENCE & NC FIRE ALARM | IALL |

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| CABLE INFRASTRUCTURE UPGRADES |
| 2000 PENNINGTON ROAD, |
| EWING NJ, 08618 |



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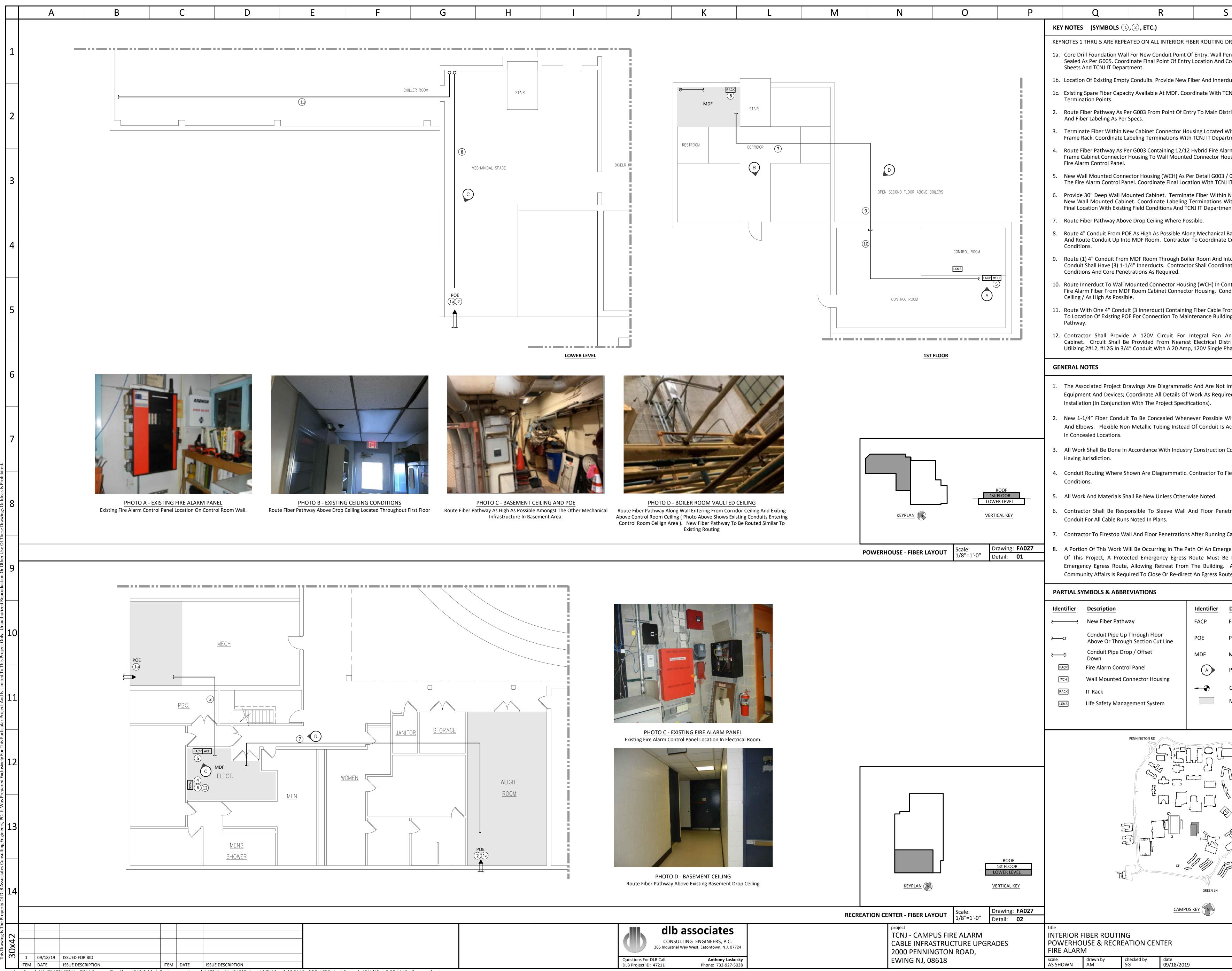
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| | KEY NOTES | 5 (SYMBOLS | 1),2), ETC.) | | | - | | | |
| | 1a. Core Dr Sealed | KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR FIBER ROUTING DRAWINGS 1a. Core Drill Foundation Wall For New Conduit Point Of Entry. Wall Penetration Shall Be Sleeved And Sealed As Per G005. Coordinate Final Point Of Entry Location And Conduit Quantity With FA005 - FA008 Sheets And TCNJ IT Department. | | | | | | 1 | |
| | 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. | | | | | | | 2 | |
| | 3. Termin Frame I | ate Fiber Within Rack. Coordinate | New Cabinet C E Labeling Term | inations With | TCNJ IT Depa | rtment. | - | | |
| | Fire Ala 5. New W The Fire 6. Core Dr (WCH) | Cabinet Connect orm Control Pane all Mounted Cor e Alarm Control rill All Floor Pene Within First Floc Fiber Pathway Al | el. nnector Housing Panel. Coordina etrations To Ro or. All Floor Pene | g (WCH) As Pe ate Final Loca ute From MD etrations To E | r Detail G003 tion With TCN F In Basemen e Labeled Per | / 06 Locate IJ IT. It To Wall M | d As Close As ounted Conr | Possible To nector Housing | 3 |
| | GENERAL | | | | | | | | 4 |
| | Equipm | sociated Project ient And Device tion (In Conjunc | s; Coordinate A | ll Details Of \ | Vork As Requ | | | | |
| | And Elk In Conc 3. All Wor | 1/4" Fiber Conc pows. Flexible I realed Locations rk Shall Be Done Jurisdiction. | Non Metallic Tu | bing Instead | Of Conduit Is | Acceptable | Where Path | way Is Located | 5 |
| | Conditi 5. All Wor 6. Contrad | t Routing Where ons. rk And Materials ctor Shall Be Re t For All Cable Re | Shall Be New U esponsible To S | nless Otherw leeve Wall A | ise Noted. | - | - | - | 6 |
| | 8. A Portio Of This Emerge | ctor To Firestop on Of This Work s Project, A Pro ency Egress Rou unity Affairs Is Re | Will Be Occurr otected Emerge ote, Allowing Re | ing In The Pa ncy Egress F etreat From | ch Of An Eme coute Must E The Building. | rgency Egres Be Maintain Approval | s Route. Du ed Through | Each Affected | 7 |
| | | YMBOLS & ABE | BREVIATIONS | | | | | | - |
| | <u>Identifier</u> ↓` | | hway Up Through Floo ough Section Cu | | Identifier FACP POE | Descriptic Fire Alarm Point Of E | Control Pan | el | 8 |
| | FACP WCH RACK | Conduit Pipe I Down Fire Alarm Cor | Drop / Offset | | MDF | Main Distr | ibution Fram | ie | 9 |
| | | Photo Identifi Connect To Ex MDF / POE | - | | | | | | 10 |
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| | FIRE ALARN scale AS SHOWN | | checked by SG | date 09/18/2019 | | Confidentia | | JZO ary / ©DLB Associate | 2019 |

| Identifier | Description | <u>Identifier</u> |
|--------------|--|-------------------|
| ، | New Fiber Pathway | FACP |
| 0 | Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE |
| ;⊃ | Conduit Pipe Drop / Offset Down | MDF |
| FACP | Fire Alarm Control Panel | |
| WCH | Wall Mounted Connector Housing | |
| RACK | IT Rack | |
| A | Photo Identification Tag | |
| • | Connect To Existing | |
| | MDF / POE | |
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| INTERIOR | FIBER ROU | TING | | | | |
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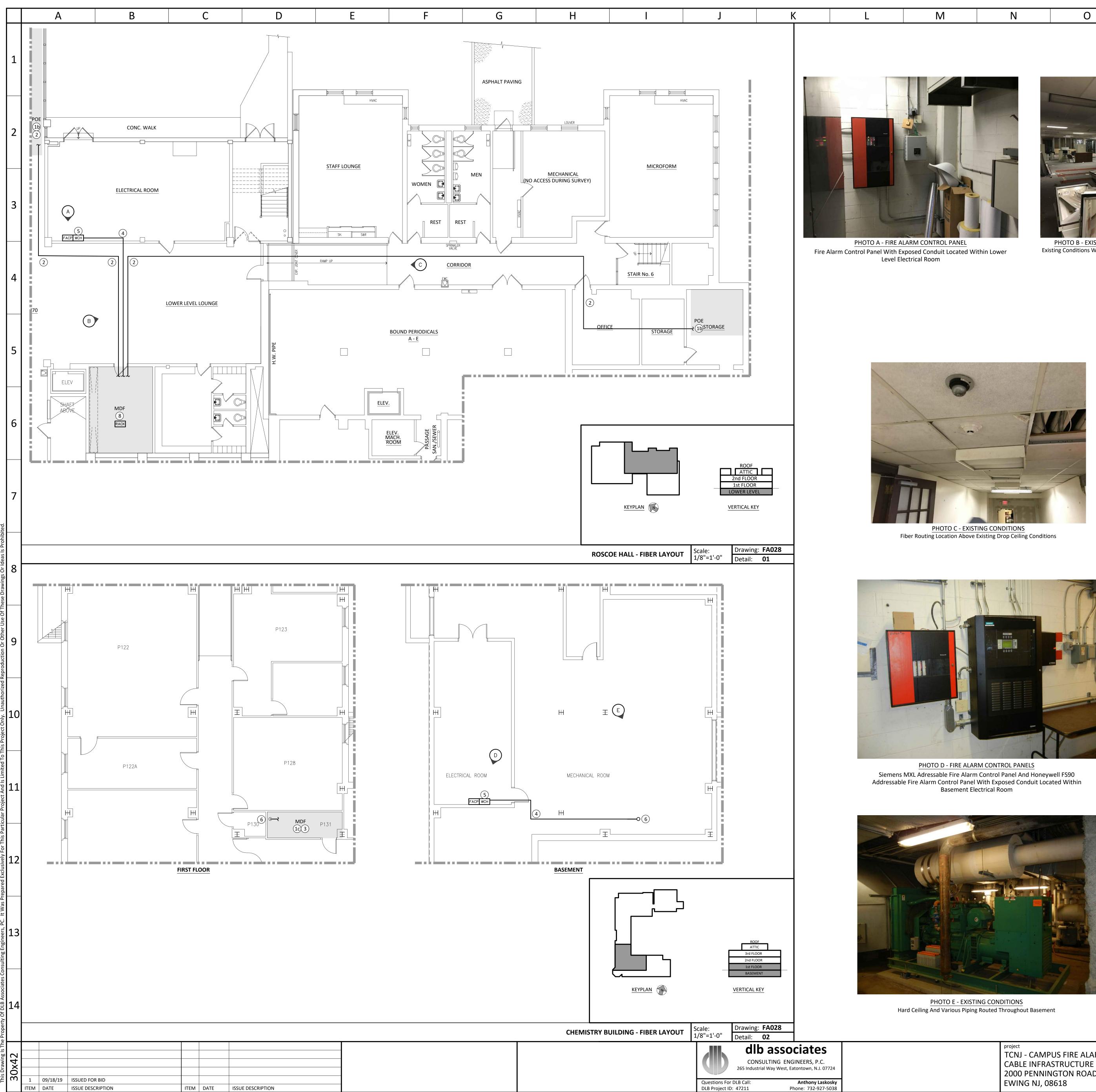
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| RAWINGS enetration Shall Be Sleeved And Conduit Quantity With FA005 - FA008 | 1 |
| luct. CNJ IT Department For Specific | |
| ribution Frame. Provide Slack Loop | 2 |
| Vithin Existing Main Distribution tment. | |
| rm Fiber From Main Distribution using (WCH) Located Adjacent To The | |
| 06 Located As Close As Possible To IT. New Cable Connector Housing Within | 3 |
| New Cable Connector Housing Within /ith TCNJ IT Department. Coordinate nt. | |
| Basement Ceiling. Core Drill Ceiling Conduit Routing With Existing Field | 4 |
| to Ceiling Above Control Room. ate Routing With Existing Field | |
| ntrol Room Containing 12/12 Hybrid duit Shall Be Mounted Tight To | |
| om MDF Room Through Chiller Plant ng. Follow Routing OF Existing Fiber | 5 |
| nd Light Power Within 30" Deep ribution Panel With Available Space nase Circuit Breaker. | |
| | 6 |
| ntended To Show The Location Of All ed To Achieve A Complete Functional | |
| Vith Junction Boxes At All Transitions Acceptable Where Pathway Is Located | 7 |
| Codes, Standards, And Other Agencies | |
| ield Verify Routing Fiber With Existing | |
| trations Prior To Running Cable And | 8 |
| Cables And Conduit. | $\left - \right $ |
| ency Egress Route. During All Phases Maintained Through Each Affected Approval From The Department Of te. | 9 |
| | |
| Description Fire Alarm Control Panel | |
| Point Of Entry | 10 |
| Main Distribution Frame Photo Identification Tag | |
| Connect To Existing | 11 |
| MDF / POE | 1 |
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| | | | | KEY NOTES (SYMBOLS 1 |), (2), ETC.) | |



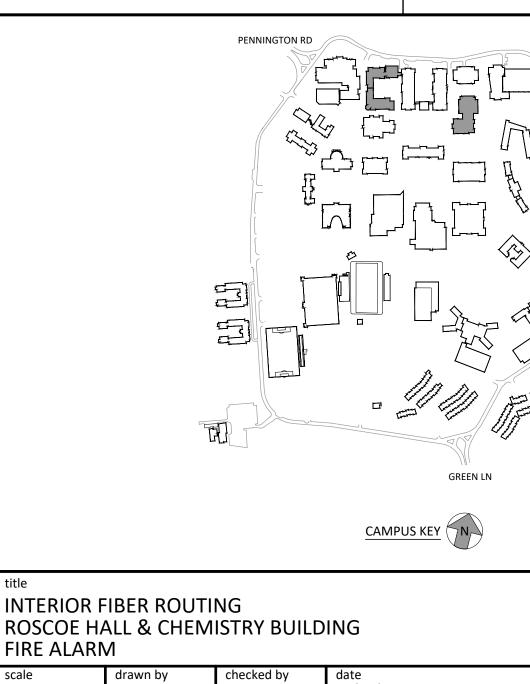
Existing Conditions Within Lower Level Lounge

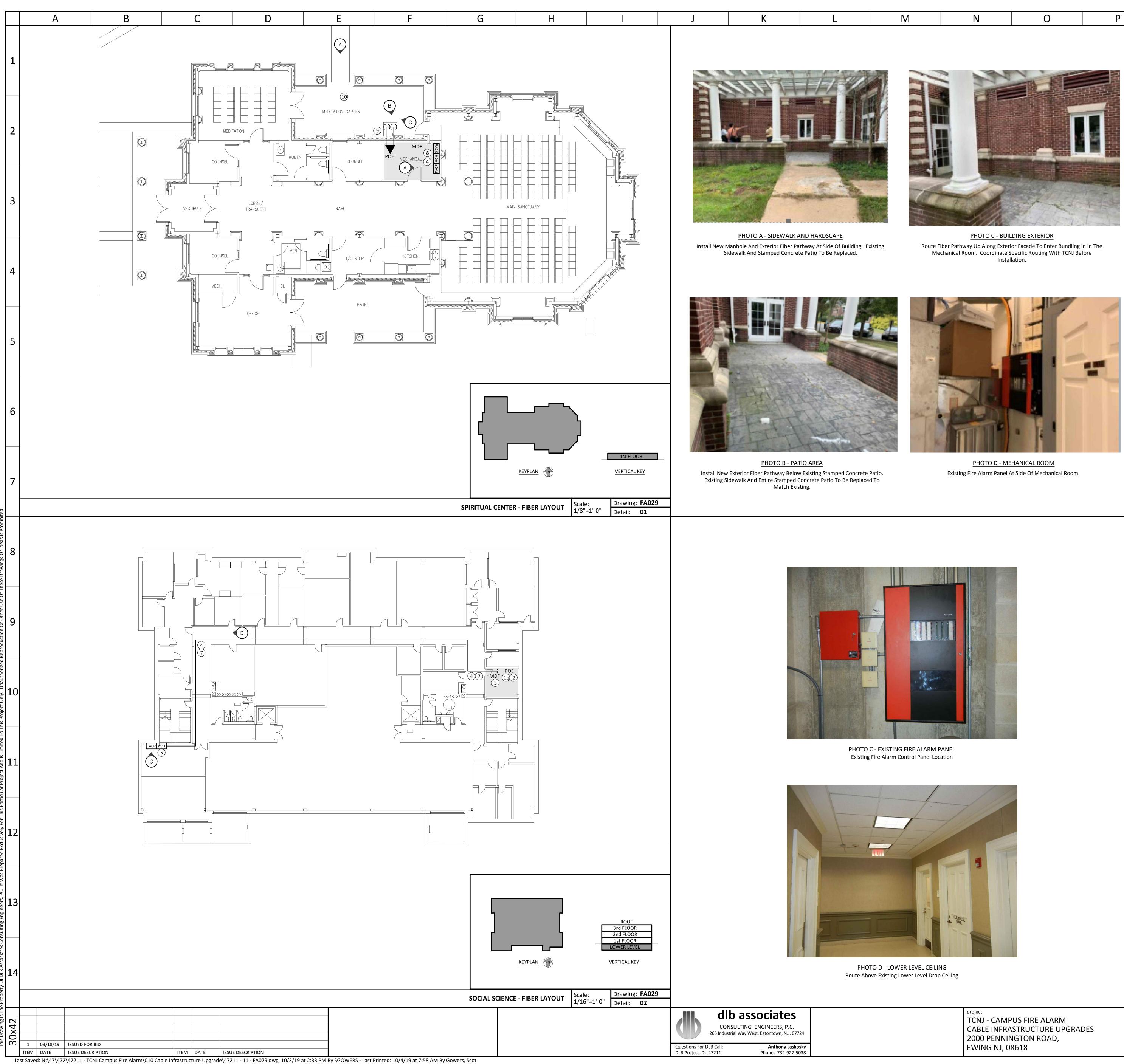
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| TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD, |
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| KEY NOTES (SYMBOLS 1, 2, ETC.) | | | | | |
| KEYNOTES 1 THRU 5 ARE REPEATED ON ALL INTERIOR | FIBER ROUTING | DRAWING | S | | 1 |
| Core Drill Foundation Wall For New Conduit Point Sealed As Per G005. Coordinate Final Point Of Ent Sheets And TCNJ IT Department. | • | | | | |
| 1b. Location Of Existing Empty Conduits. Provide New | | | | с :: | |
| 1c. Existing Spare Fiber Capacity Available At MDF. Control Termination Points. | oordinate with I | СМЈ П Дер | artment FC | r Specific | |
| Route Fiber Pathway As Per G003 From Point Of E And Fiber Labeling As Per Specs. | Entry To Main Dis | stribution F | Frame. Prov | ide Slack Loop | 2 |
| 3. Terminate Fiber Within New Cabinet Connector F Frame Rack. Coordinate Labeling Terminations W | • | | ting Main [| Distribution | |
| Route Fiber Pathway As Per G003 Containing 12/2 Frame Cabinet Connector Housing To Wall Mount | | | | | |
| Fire Alarm Control Panel. | | | | | |
| 5. New Wall Mounted Connector Housing (WCH) As The Fire Alarm Control Panel. Coordinate Final Lo | | • | ed As Close | AS POSSIBLE TO | 3 |
| Core Drill All Floor Penetrations To Route Fiber F To The Wall Mounted Connector Housing (WCH) Per Spec And Details On Sheet G005. | | | | | |
| 7. Route Fiber Pathway Above Drop Ceiling Where P | Possible. | | | | |
| 8. Provide Two Post Rack. Terminate Fiber With Coordinate Labeling Terminations With TCNJ IT | | | • | | 4 |
| Field Conditions And TCNJ IT Department. | | | | | |
| | | | | | |
| GENERAL NOTES | | | | | 5 |
| The Associated Project Drawings Are Diagramma Equipment And Devices; Coordinate All Details O | | | | | |
| Installation (In Conjunction With The Project Spec | • | ired to Acr | lieve A Cor | npiete Functional | |
| New 1-1/4" Fiber Conduit To Be Concealed Whe And Elbows. Flexible Non Metallic Tubing Instea In Concealed Locations. | | | | | 6 |
| 3. All Work Shall Be Done In Accordance With Indus | stry Construction | Codes, Sta | indards, An | d Other Agencies | |
| Having Jurisdiction.4. Conduit Routing Where Shown Are Diagrammatic | c Contractor To | Field Verify | / Routing Fi | her With Existing | |
| Conditions. | | | | | |
| 5. All Work And Materials Shall Be New Unless Othe | erwise Noted. | | | | 7 |
| Contractor Shall Be Responsible To Sleeve Wal Conduit For All Cable Runs Noted In Plans. | l And Floor Pen | etrations F | Prior To Ru | nning Cable And | |
| 7. Contractor To Firestop Wall And Floor Penetratio | ns After Running | g Cables An | d Conduit. | | |
| 8. A Portion Of This Work Will Be Occurring In The Of This Project, A Protected Emergency Egress | | 0 , 0 | | e e | |
| Emergency Egress Route, Allowing Retreat From Community Affairs Is Required To Close Or Re-direct | m The Building. | Approva | | | 8 |
| community Analis is Required to close of Re un | | ute. | | | |
| | | | | | |
| PARTIAL SYMBOLS & ABBREVIATIONS | | | | | |
| Identifier Description ↓ ↓ | Identifier FACP | Descripti | on n Control P | anel | 9 |
| Conduit Pipe Up Through Floor | POE | | | | |
| Above Or Through Section Cut Line | MDF | Point Of I | tribution Fr | 200 | |
| Down | NDF | | | ame | 10 |
| FACPFire Alarm Control PanelWCHWall Mounted Connector Housing | | | | | |
| RACK IT Rack | | | | | |
| A Photo Identification Tag | | | | | |
| - Connect To Existing | | | | | 11 |
| MDF / POE | | | | | 11 |
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| PENNINGTON RD | | | | | |
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| | GREEN LN | | | | 14 |
| | GREEN LN PUS KEY | dwg. | no. | | 14 |
| title INTERIOR FIBER ROUTING ROSCOE HALL & CHEMISTRY BUILDING | | dwg. | | ገ2ጾ | 14 |
| title INTERIOR FIBER ROUTING | PUS KEY | dwg. | | 028 | 14 |

| PARTIAL SYMBOLS & ABBREVIATIONS | |
|---------------------------------|--|
| | |

| | Q R | | S | | T | |
|----------------------------|---|--------------------------------------|-------------------------|------------------|-----------------------|---------|
| KEY NOTI | S (SYMBOLS 1), 2, ETC.) | | | | | |
| KEYNOTES | 1 THRU 5 ARE REPEATED ON ALL INTERI | OR FIBER ROUTING |) DRAWING | S | | 1 |
| Seale Sheet | Drill Foundation Wall For New Conduit P d As Per G005. Coordinate Final Point Of s And TCNJ IT Department. | Entry Location And | l Conduit Q | | | |
| | on Of Existing Empty Conduits. Provide I ng Spare Fiber Capacity Available At MDF | | | partment For | Specific | |
| | nation Points. Fiber Pathway As Per G003 From Point | Of Entry To Main D | istribution | Frame. Provid | de Slack Loop | 2 |
| And F | iber Labeling Ás Per Specs. nate Fiber Within New Cabinet Connect | | | | | |
| Frame | Fiber Pathway As Per G003 Containing | s With TCNJ IT Depa | artment. | - | | |
| Frame | Cabinet Connector Housing To Wall Mo arm Control Panel. | • | | | | |
| | Vall Mounted Connector Housing (WCH) re Alarm Control Panel. Coordinate Fina | | - | ed As Close A | s Possible To | 3 |
| To Th | Drill All Floor Penetrations To Route Fib e Wall Mounted Connector Housing (We | | | • • | | |
| | ec And Details On Sheet G005. Fiber Pathway Above Drop Ceiling Whe | re Possible. | | | | |
| Coord | le Two Post Rack. Terminate Fiber V inate Labeling Terminations With TCNJ | | | • | | 4 |
| Tield | Conditions And TCNJ IT Department. | | | | | |
| GENERAL | NOTES | | | | | 5 |
| Equip | ssociated Project Drawings Are Diagran ment And Devices; Coordinate All Detai ation (In Conjunction With The Project S | ls Of Work As Requ | | | | |
| And E | L-1/4" Fiber Conduit To Be Concealed V Ibows. Flexible Non Metallic Tubing In Icealed Locations. | | | | | 6 |
| | ork Shall Be Done In Accordance With In g Jurisdiction. | dustry Construction | n Codes, Sta | andards, And | Other Agencies | |
| 4. Condu Condi | iit Routing Where Shown Are Diagramm tions. | natic. Contractor To | Field Verif | y Routing Fib | er With Existing | |
| 5. All We | ork And Materials Shall Be New Unless C | therwise Noted. | | | | 7 |
| | actor Shall Be Responsible To Sleeve N iit For All Cable Runs Noted In Plans. | Wall And Floor Per | netrations | Prior To Run | ning Cable And | |
| 7. Contr | actor To Firestop Wall And Floor Penetra | ations After Runnin | g Cables An | ıd Conduit. | | |
| Of Th Emer _t | tion Of This Work Will Be Occurring In T is Project, A Protected Emergency Eg gency Egress Route, Allowing Retreat nunity Affairs Is Required To Close Or Re | ress Route Must From The Building | Be Maintai . Approva | ned Through | Each Affected | 8 |
| PARTIAL | SYMBOLS & ABBREVIATIONS | | | | | |
| Identifier | Description | Identifier | Descript | ion | | 9 |
| ، ر | New Fiber Pathway | FACP | Fire Alar | m Control Pa | nel | |
| ⊶ | Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE | Point Of | Entry | | |
| 葔━━━ | Conduit Pipe Drop / Offset Down | MDF | Main Dis | tribution Frai | me | 10 |
| FACP WCH | Fire Alarm Control Panel Wall Mounted Connector Housing | | | | | 10 |
| RACK | IT Rack | | | | | |
| | Photo Identification Tag | | | | | |
| | Connect To Existing MDF / POE | | | | | 11 |
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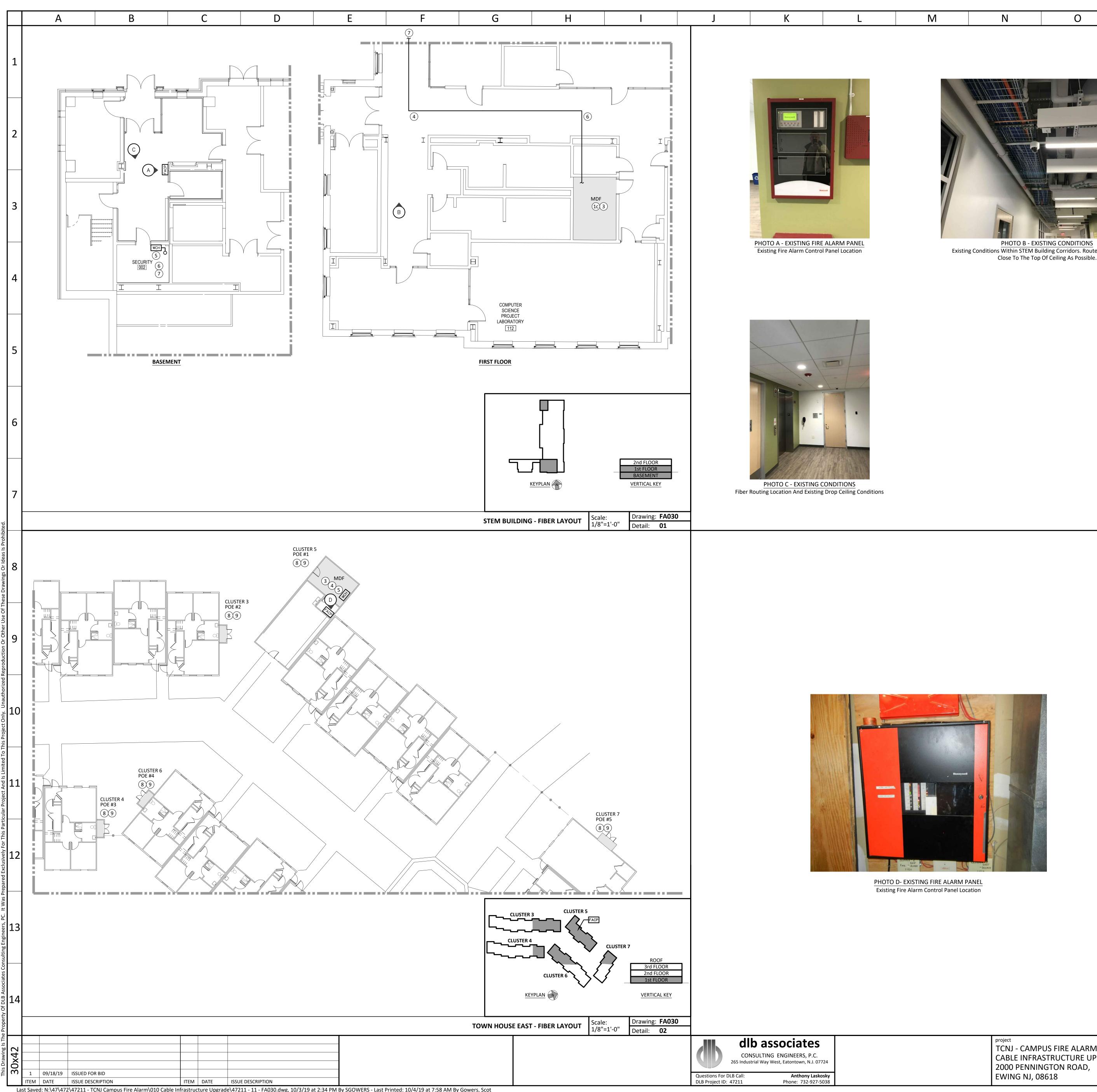
| project |
|-------------------------------|
| TCNJ - CAMPUS FIRE ALARM |
| CABLE INFRASTRUCTURE UPGRADES |
| 2000 PENNINGTON ROAD, |
| EWING NJ, 08618 |

| | | Q | R | | S | | T | | | |
|-----------------|-----------------------|--|---|---|----------------------|------------------------|-----------------------|---------|--|--|
| KEY | NOTES | (SYMBOLS (1 |),②, ETC.) | | | | | | | |
| | | | ATED ON ALL INTERIO | | | | eeved And | 1 | | |
| | Sealed As Sheets A | s Per G005. Coord nd TCNJ IT Depar | dinate Final Point Of tment. | Entry Location A | nd Conduit Q | | | | | |
| | Existing S | | / Conduits. Provide N ity Available At MDF | | | partment Fo | r Specific | | | |
| 2. | Route Fib | | er G003 From Point C Specs | Of Entry To Main | Distribution | Frame. Prov | ide Slack Loop | 2 | | |
| 3. | Terminat | te Fiber Within N | ew Cabinet Connector abeling Terminations | • | | sting Main D | Distribution | | | |
| 4. | Route Fik Frame Ca | per Pathway As Po abinet Connector | er G003 Containing 1 Housing To Wall Mo | 2/12 Hybrid Fire | Alarm Fiber | | | | | |
| 5. | New Wal | | ector Housing (WCH) | | | ed As Close | As Possible To | 3 | | |
| 6. | | The Fire Alarm Control Panel. Coordinate Final Location With TCNJ IT. | | | | | | | | |
| 7. 8. | | Route Fiber Pathway Above Drop Ceiling Where Possible. Provide 12" Deep Wall Mounted Cabinet. Terminate Fiber Within New Cable Connector Housing Within | | | | | | | | |
| | Final Loca | ation With Existir | net. Coordinate Labe g Field Conditions Ar | nd TCNJ IT Depar | tment. | · | | 4 | | |
| 9. | 24"W x 3 | | Underground Condu box. Route From Th hanical Room. | | | | | | | |
| 10. | | | nd Replace Existing F ardscape And Damag | • | | For New Co | onduit. This Shall | | | |
| | | | | | | | | 5 | | |
| GEN | NERAL NO | DTES | | | | | | 5 | | |
| 1. | | - | awings Are Diagram | | | | | | | |
| | • • | | Coordinate All Details n With The Project Sp | | quired To Ac | hieve A Con | plete Functional | | | |
| 2. | And Elbo | ows. Flexible No | t To Be Concealed V n Metallic Tubing Ins | | | | | 6 | | |
| 3. | | aled Locations. Shall Be Done In | Accordance With Inc | dustry Constructi | on Codes, Sta | andards, An | d Other Agencies | | | |
| 4. | C | urisdiction. Routing Where Sl | nown Are Diagramm | atic Contractor 1 | Co Field Verif | v Routing Fi | her With Existing | | | |
| | Condition | ns. | - | | | y Kouting Fi | Der with Existing | 7 | | |
| 5. 6. | | | all Be New Unless Of onsible To Sleeve W | | enetrations | Prior To Ru | nning Cable And | | | |
| 7. | | For All Cable Runs | s Noted In Plans. all And Floor Penetra | tions After Runni | ing Cables An | nd Conduit | | | | |
| 8. | A Portior | n Of This Work W | 'ill Be Occurring In Th | ne Path Of An En | nergency Egr | ess Route. I | - | 8 | | |
| | Emergen | cy Egress Route, | cted Emergency Egr Allowing Retreat F uired To Close Or Re- | rom The Buildir | ng. Approva | _ | | | | |
| PAF | | MBOLS & ABBR | EVIATIONS | | | | | | | |
| Ider | ntifier | Description | | Identifier | Descript | ion | | 9 | | |
| <u> </u> | ` | New Fiber Pathw Conduit Pipe Up | | FACP | | m Control Pa | anel | | | |
| | O Ə | Above Or Throug Conduit Pipe Dro | gh Section Cut Line | POE MDF | Point Of Main Dis | Entry tribution Fra | ame | | | |
| F | ACP | Down Fire Alarm Contr | ol Panel | | | | | 10 | | |
| _ | VCH | Wall Mounted C | onnector Housing | | | | | | | |
| (| A | Photo Identificat | ion Tag | | | | | | | |
| | ð | Connect To Exist MDF / POE | ing | | | | | 11 | | |
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| INTE SPIR | ITUAL C | BER ROUTING ENTER & SOG | | | awg. | | 029 | | | |
| Scale AS SHC | | drawn by c | necked by date G 09/18/ | /2019 | | | | | | |
| | I | | | | Confiden | tial and Propri | etary / ©DLB Associat | es 2019 | | |

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|----------------------|--|-----------------------------------|-------------------------|-----------------|----------------------|------------------|--|--|--|
| KEY NOTES | 5 (SYMBOLS 1), 2), ETC.) | | | | | | | | |
| | L THRU 5 ARE REPEATED ON ALL INTERIOR | | | | | 1 | | | |
| Sealed | rill Foundation Wall For New Conduit Point As Per G005. Coordinate Final Point Of Ent And TCNJ IT Department. | • | | | | | | | |
| | on Of Existing Empty Conduits. Provide New | | | | | | | | |
| Termin | g Spare Fiber Capacity Available At MDF. Co nation Points. | | · | | | | | | |
| And Fit | Fiber Pathway As Per G003 From Point Of E per Labeling As Per Specs. | · | | | | 2 | | | |
| Frame | ate Fiber Within New Cabinet Connector H Rack. Coordinate Labeling Terminations W | ith TCNJ IT Depa | rtment. | • | | | | | |
| Frame | Fiber Pathway As Per G003 Containing 12/2 Cabinet Connector Housing To Wall Mount arm Control Panel. | | | | | | | | |
| | 'all Mounted Connector Housing (WCH) As e Alarm Control Panel. Coordinate Final Lo | | | d As Close A | s Possible To | 3 | | | |
| | Route Fiber Conduit Above Hard Ceiling. Route Fiber Pathway Above Drop Ceiling Where Possible. | | | | | | | | |
| 8. Provide | e 12" Deep Wall Mounted Cabinet. Termir /all Mounted Cabinet. Coordinate Labeling | nate Fiber Withir | | | - | | | | |
| Final Lo | Exterior Fiber From Underground Conduit | TCNJ IT Departm | ient. | · | | 4 | | | |
| 24"W > | x 30"H x 18"D Pullbox. Route From The F r 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 Sidewall Sections | | | | | | | | |
| | | | | | | | | | |
| GENERAL I | NOTES | | | | | 5 | | | |
| 1. The As | sociated Project Drawings Are Diagramma | atic And Are Not | Intended T | o Show The | Location Of All | - | | | |
| | nent And Devices; Coordinate All Details O tion (In Conjunction With The Project Spec | • | ired To Ach | ieve A Comp | lete Functional | | | | |
| | -1/4" Fiber Conduit To Be Concealed Whe bows. Flexible Non Metallic Tubing Instea | | | | | 6 | | | |
| | cealed Locations. | | | | | | | | |
| | rk Shall Be Done In Accordance With Indus Jurisdiction. | try Construction | Codes, Stal | ndards, And | Other Agencies | | | | |
| 4. Condui Conditi | t Routing Where Shown Are Diagrammatic ions. | c. Contractor To | Field Verify | Routing Fibe | er With Existing | 7 | | | |
| 5. All Wo | rk And Materials Shall Be New Unless Othe | rwise Noted. | | | | | | | |
| | ctor Shall Be Responsible To Sleeve Wall t For All Cable Runs Noted In Plans. | l And Floor Pen | etrations P | rior To Runi | ning Cable And | | | | |
| | ctor To Firestop Wall And Floor Penetration | - | | | | 8 | | | |
| Of This Emerge | on Of This Work Will Be Occurring In The s Project, A Protected Emergency Egress ency Egress Route, Allowing Retreat From unity Affairs Is Required To Close Or Re-dire | s Route Must B m The Building. | Be Maintain Approval | ed Through | Each Affected | | | | |
| PARTIAL S | YMBOLS & ABBREVIATIONS | | | | | | | | |
| Identifier | Description | Identifier | Descriptio | on | | 9 | | | |
| <u>ن</u> | New Fiber Pathway Conduit Pipe Up Through Floor | FACP | | Control Par | nel | | | | |
| | Above Or Through Section Cut Line Conduit Pipe Drop / Offset | POE MDF | Point Of E Main Dist | ribution Frar | ne | | | | |
| FACP | Down Fire Alarm Control Panel | | | | | 10 | | | |
| WCH | Wall Mounted Connector Housing | | | | | | | | |
| RACK | IT Rack Photo Identification Tag | | | | | | | | |
| • | Connect To Existing | | | | | 11 | | | |
| | MDF / POE | | | | | | | | |
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| title | | | dwg. n | 10. | | $\left \right $ | | | |
| | FIBER ROUTING CENTER & SOCIAL SCIENCE M | | | FAC | 29 | | | | |
| scale AS SHOWN | drawn by checked by date AM SG 09/18/202 | 19 | Confident | | | 2010 | | | |
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| AS SHOWN | AM | SG | 09/18/2019 |



Last Saved: N:\47\472\47211 - TCNJ Campus Fire Alarm\010 Cable Infrastructure Upgrade\47211 - 11 - FA030.dwg, 10/3/19 at 2:34 PM By SGOWERS - Last Printed: 10/4/19 at 7:58 AM By Gowers, Scot



Existing Conditions Within STEM Building Corridors. Route Fiber Pathway As Close To The Top Of Ceiling As Possible.

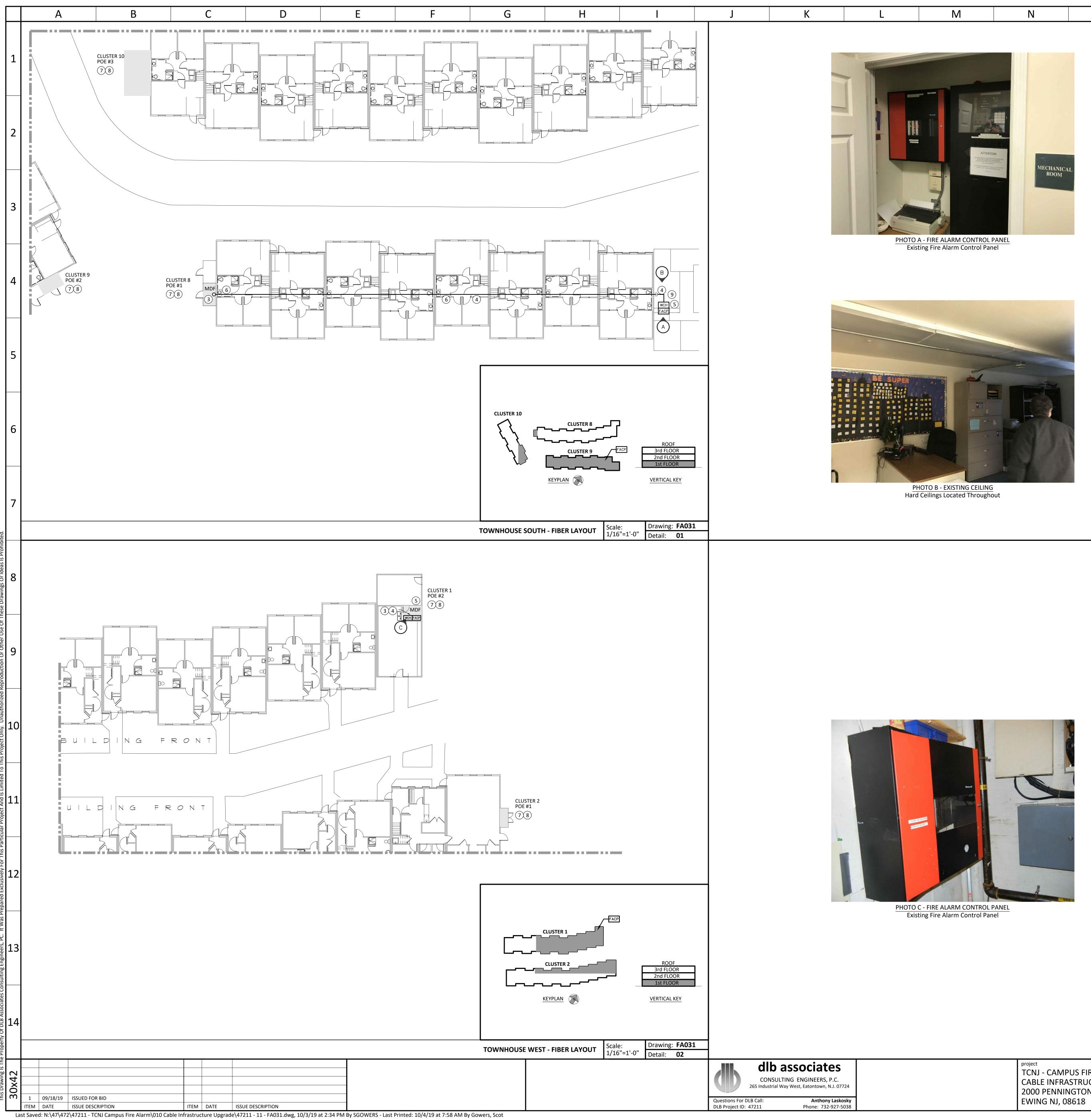
| KEY NOT | Q | | R | | S | | Т | |
|------------------------------------|--|---|--|--|--|--|---|---|
| | ES (SYMBC | OLS (1), (2), E | TC.) | | | | | |
| KEYNOTE | S 1 THRU 7 AR | E REPEATED O | N ALL INTERIOR | FIBER ROUTIN | G DRAWINGS | | | |
| Seale | | 5. Coordinate F | ew Conduit Point Final Point Of Ent | • | | | | |
| | _ | | uits. Provide New | | | | c | ŀ |
| | ng Spare Fiber iination Points | • • | ilable At MDF. Co | oordinate With | ICNJ II Depa | artment For | Specific | |
| | e Fiber Pathwa Fiber Labeling | • | B From Point Of E | Entry To Main [| Distribution F | rame. Provi | de Slack Loop | |
| | | | inet Connector H Terminations W | • | | ting Main D | istribution | |
| Fram | | nector Housin | 8 Containing 12/2 g To Wall Mount | | | | | ŀ |
| | | | ousing (WCH) As ordinate Final Lo | | | ed As Close A | As Possible To | |
| Dow Fibei | n To Existing R | ack In Security alled Later By F | o Route Fiber Fr Room 002. Insta MS Contractor. A | all Conduit To F | ACP From Se | ecurity Roon | n 002. Individual | |
| 7. Rout | e Fiber Pathwa | ay Above Drop | Ceiling Where P | ossible And Dr | op Down Into | o Security R | oom. | |
| Exist Cabl Un-S Clust | ng Fiber Cable e. Two (2) Nev pliced, One Ca er 4 And Clust | e From Cromwo w 36/36 Fiber (able Connecting | g Cluster 5 And C ple To Be Continu | house Cluster ter The Comple Cluster 7 And T | And To Repla ex Through T he Other Cab | ice With A F he POE In C le Connecti | ligher Capacity luster 5 And Run ng Cluster 3, | |
| Poin [.] Fire <i>i</i> | : Of Entry Roor Alarm Control | m. Splice Shall Panel Is Locate | cess At Each Clus l Be 12/12 At Clu ed. Fiber Counts ot Be Broken And | ster 3, 4, 6 and That Do Not T | 7 And 24/24 | At Cluster | 5 Where The | |
| GENERA | | | | | | | | |
| Equi Insta | oment And De llation (In Conj | evices; Coordin junction With | ate All Details O The Project Spec | f Work As Req ifications). | uired To Ach | ieve A Com | e Location Of All plete Functional | |
| And | | ible Non Metal | | | | | t All Transitions hway Is Located | ╞ |
| | ork Shall Be D ng Jurisdiction. | | ance With Indus | try Constructic | on Codes, Sta | ndards, Anc | l Other Agencies | |
| | uit Routing W litions. | 'here Shown A | re Diagrammatic | c. Contractor To | o Field Verify | Routing Fit | er With Existing | |
| | | | New Unless Othe | | | | | |
| | | e Responsible ble Runs Noted | | And Floor Pe | enetrations P | rior To Rur | ning Cable And | |
| 7. Cont | ractor To Fires | stop Wall And I | Floor Penetratio | ns After Runnir | ng Cables And | d Conduit. | | |
| Of T Eme | his Project, A gency Egress | Protected Er Route, Allowi | mergency Egress ing Retreat Fror | s Route Must m The Building | Be Maintain g. Approval | ed Throug | During All Phases n Each Affected Department Of | |
| | | Is Required To | OClose Or Re-dire | eu an Egress R | oute. | | | + |
| Identifier | | | | Identifier | Descriptio | on | | + |
| | | r Pathway | | FACP | · | n Control Pa | nel | ╞ |
| ~0 | Above Or | Pipe Up Throug Through Secti Pipe Drop / Offs | on Cut Line | POE | Point Of E | · | mo | |
| <u> </u> | Down | , ₂ , 011, | | MDF | iviain Dist | ribution Fra | | ľ |
| ر | | n Control Pane | I | | | | | |
| FACP | | inted C- | or Llausia | | | | | |
| FACP WCH RACK | | unted Connecto | or Housing | | | | | |
| WCH | Wall Mou IT Rack | unted Connecto entification Tag | - | | | | | - |
| WCH | Wall Mou IT Rack Photo Ide | | - | | | | | - |
| WCH | Wall Mou IT Rack Photo Ide | entification Tag To Existing | - | | | | | |
| WCH | Wall Mou IT Rack Photo Ide Connect T | entification Tag To Existing | 5 | | | | | |
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| WCH | Wall Mou IT Rack Photo Ide Connect T | entification Tag To Existing DE | | | | | | |
| WCH | Wall Mou IT Rack Photo Ide Connect T | entification Tag To Existing DE PENNINGTO | | | | | | |
| WCH | Wall Mou IT Rack Photo Ide Connect T | entification Tag To Existing DE PENNINGTO | | | | | | |
| WCH | Wall Mou IT Rack Photo Ide Connect T | entification Tag | | GREEN LN | | | | |
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| | Wall Mou IT Rack Photo Ide Connect T MDF / PO | entification Tag | | | dwg. r | | 030 | |

| | | 0 | R | | | S | | т | |
|---------------------------------------|---|---|--|---------------------------------------|---|---|----------------------------|---|---------|
| KEY | (NOTES | (SYMBOLS (| | | 1 | | 1 | - | |
| | Core Drill Sealed As | Foundation Wa | EATED ON ALL IN all For New Cond rdinate Final Poir rtment. | uit Point (| Of Entry. Wal | l Penetratio | n Shall Be Sle | | 1 |
| 1b. | Location (| Of Existing Emp | ty Conduits. Prov | /ide New | Fiber And Inn | erduct. | | | |
| 1c. | • • | oare Fiber Capa on Points. | city Available At | MDF. Coo | ordinate With | i TCNJ IT Dep | partment Fo | r Specific | |
| 2. | | er Pathway As I Labeling As Pe | Per G003 From P r Specs. | oint Of Er | itry To Main I | Distribution | Frame. Provi | ide Slack Loop | 2 |
| 3. | | | Iew Cabinet Con Labeling Termina | | • | | sting Main D | istribution | |
| 4. | Frame Cal | | | | | | | Distribution Adjacent To The | |
| 5. | | | ector Housing (N anel. Coordinate | | | | ed As Close | As Possible To | 3 |
| 6. | Down To l Fiber Jum | Existing Rack In | | 02. Instal | l Conduit To l | FACP From S | ecurity Roor | IDF Room. Route m 002. Individual er Spec And | |
| 7. | Route Fibe | er Pathway Abo | ove Drop Ceiling | Where Po | ssible And Dr | op Down In | to Security R | oom. | |
| 8. | 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. | Point Of E Fire Alarm | ntry Room. Sp Control Panel | plice Access At E lice Shall Be 12/1 Is Located. Fiber / Shall Not Be Bro | L2 At Clus [.] r Counts T | ter 3, 4, 6 and hat Do Not 1 | d 7 And 24/2 | 4 At Cluster | 5 Where The | 5 |
| GEI | NERAL NO | TES | | | | | | | |
| 1. | Equipmen | t And Devices; | • | Details Of | Work As Req | | | e Location Of All plete Functional | 6 |
| 2. | And Elboy | | | | | | | At All Transitions thway Is Located | |
| 3. | All Work S Having Jui | | n Accordance Wi | th Industi | ry Constructio | on Codes, St | andards, And | d Other Agencies | 7 |
| 4. 5. | Condition | S. | Shown Are Diagr hall Be New Unle | | | o Field Verif | y Routing Fil | ber With Existing | |
| 6. | Contracto | r Shall Be Res | ponsible To Slee | eve Wall | | enetrations | Prior To Rui | nning Cable And | |
| 7. | | | ns Noted In Plans /all And Floor Pe | | s After Runniı | ng Cables Ar | nd Conduit. | | 8 |
| 8. | A Portion Of This P Emergenc | Of This Work V roject, A Prote y Egress Route | Will Be Occurring ected Emergenc | g In The Pa y Egress reat From | ath Of An Em Route Must The Buildin | ergency Egr Be Maintai g. Approva | ess Route. [ned Throug | During All Phases h Each Affected Department Of | |
| PAI | RTIAL SYM | IBOLS & ABBF | REVIATIONS | | | | | | 9 |
| Idei | ntifier I | Description | | | Identifier | Descript | ion | | |
| <u> </u> | | New Fiber Path | | | FACP | Fire Alar | m Control Pa | anel | |
| ـــــــــــــــــــــــــــــــــــــ | -0 -0 | | o Through Floor ugh Section Cut L op / Offset | ine | POE MDF | Point Of Main Dis | Entry tribution Fra | ame | 10 |
| F | | Fire Alarm Cont | | | | | | | |
| - | | Wall Mounted | Connector Housi | ng | | | | | |
| (| A | Photo Identifica | ition Tag | | | | | | 11 |
| - | • | Connect To Exis MDF / POE | ting | | | | | | |
| | · | | PENNINGTON RD | | | | | | 12 |
| | | | | | | | ЛR | | |
| | | | | | | | | | 13 |
| | | T. | | | GREEN LN | TP- | | | 14 |
| | | | | CAMPL | IS KEY | | | | • |
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| project |
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| TCNJ - CAMPUS FIRE ALARM |
| CABLE INFRASTRUCTURE UPGRADES |
| TCNJ - CAMPUS FIRE ALARM CABLE INFRASTRUCTURE UPGRADES 2000 PENNINGTON ROAD, |
| EWING NJ, 08618 |
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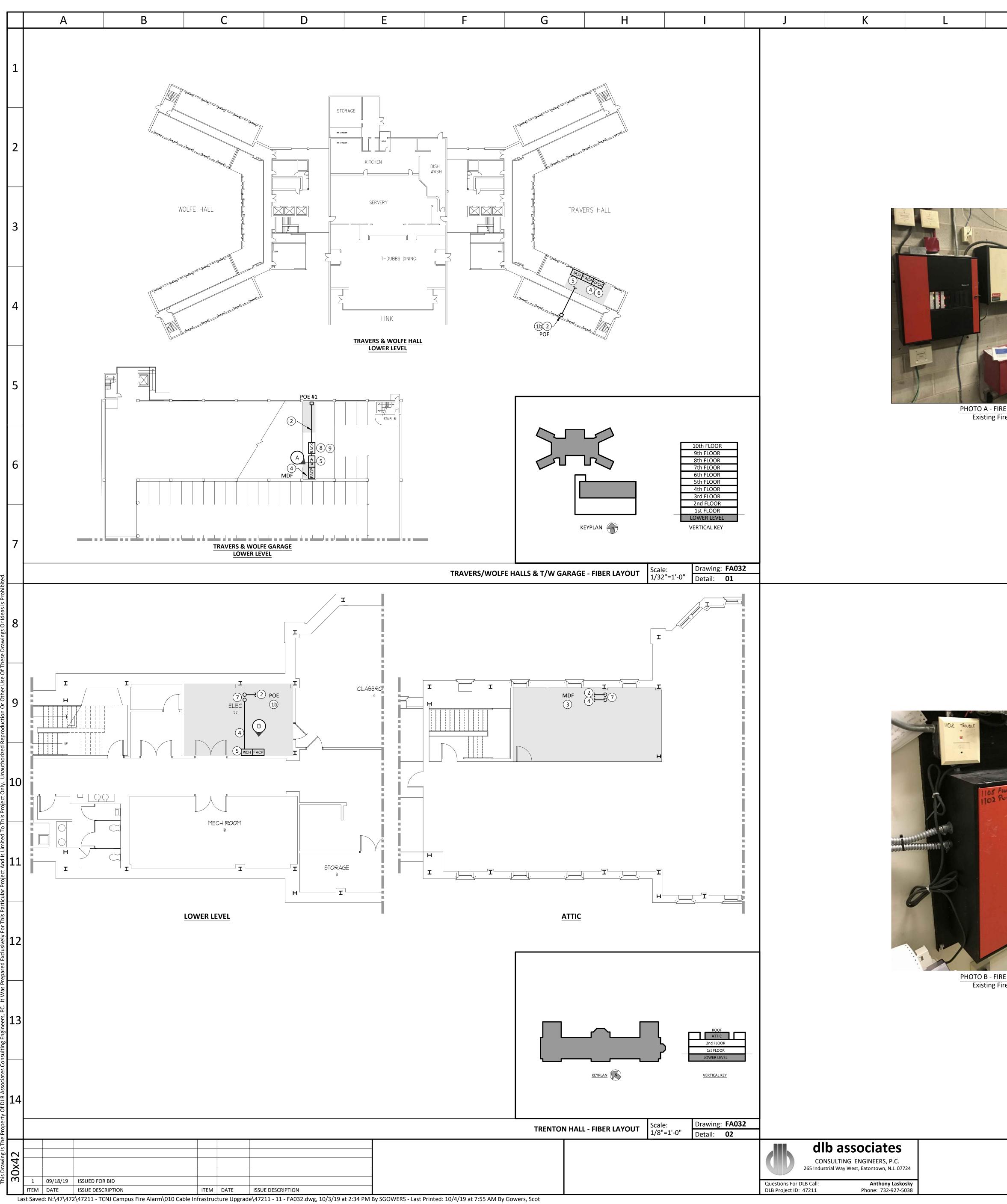
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| | Q | R | | S | Т | |
|----------|--|---|---|--|---|--------|
| KEY | Y NOTES (SYMBOI | LS (1), (2), ETC.) | | | | |
| 1a. | Core Drill Foundation | | it Point Of Entry. Wall | Penetration Sha | ll Be Sleeved And ity With FA005 - FA008 | |
| | - | Empty Conduits. Provid Capacity Available At N | | | ient For Specific | _ |
| 2. | Termination Points. Route Fiber Pathway And Fiber Labeling A | y As Per G003 From Poi s Per Specs. | int Of Entry To Main [| Distribution Fram | e. Provide Slack Loop | |
| 3. | Terminate Fiber Wit | | | d Within Main Di | stribution Frame Rack. | |
| 4. | | | | | Main Distribution ocated Adjacent To The | |
| 5. | | Connector Housing (W rol Panel. Coordinate F | | | s Close As Possible To | |
| 6. | Partitions. | | | | irestop All Wall / Ceiling | |
| 7. | Existing Fiber Cable F Cable. Townhouse S Through The POE In | From Cromwell To Eacl outh And Townhouse | h Townhouse Cluster West Shall Each Rece Each Cable To Be Col | And To Replace \ ive A New 48/48 | ntent Is To Remove The Vith A Higher Capacity Fiber Cables Entering Last POE In Each Cluster | |
| 8. | Point Of Entry Room Where Each Of The | n. Splice Shall Be 12/1 | 2 At Cluster 2, 8 and nel Is Located. Fiber | 10 And 24/24 At Counts That Do | nimum 30 feet) In Each Cluster 1 And Cluster 9 Not Terminate At The e. |) |
| 9. | Sheetrock Ceilings In T | | nduit Shall Be Routed E | | nerduct Concealed Behind ce Area. Contractor Shal | |
| GEI | NERAL NOTES | | | | | |
| 1. | Equipment And Devi | 0 0 | etails Of Work As Req | | now The Location Of Al A Complete Functiona | |
| 2. | And Elbows. Flexibl In Concealed Locatio | le Non Metallic Tubing ns. | g Instead Of Conduit | s Acceptable Wh | Boxes At All Transitions here Pathway Is Located | t - |
| 3. 4. | Having Jurisdiction. Conduit Routing Wh | | | | rds, And Other Agencies uting Fiber With Existing | |
| 5. | Conditions. All Work And Materi | als Shall Be New Unles | ss Otherwise Noted. | | | |
| 6. | | Responsible To Sleev Runs Noted In Plans. | ve Wall And Floor Pe | netrations Prior | To Running Cable And | k |
| 7. 8. | A Portion Of This Wo Of This Project, A Emergency Egress R | Protected Emergency | n The Path Of An Em Egress Route Must at From The Building | ergency Egress R Be Maintained g. Approval Fro | nduit. oute. During All Phases Through Each Affected m The Department Of | ł |
| | | | | | | |
| | RTIAL SYMBOLS & A ntifier Descriptior | | Identifier | Description | | |
| | New Fiber I | - | FACP | Fire Alarm Co | ntrol Panel | |
| | -0 ' | e Up Through Floor hrough Section Cut Lir | POE | Point Of Entry | , | |
| <u> </u> | _⊖ Conduit Pip Down | oe Drop / Offset | MDF | Main Distribu | tion Frame | - |
| 1 | | Control Panel ted Connector Housing | g | | | |
| | | | | | | |
| | RACK IT Rack | tification Tag | | | | |
| | | tification Tag Existing | | | | - |
| | A Photo Iden | Existing | | | | - |
| | A Photo Iden Connect To | Existing | | | | - |
| | A Photo Iden Connect To | Existing | | | | |
| | A Photo Iden Connect To | PENNINGTON RD | | | | _ |
| title | A Photo Iden Connect To | • Existing | | dwg. no. | | |

| Identifier | Description | Identifier |
|------------|--|-------------------|
| <u>۲</u> | New Fiber Pathway | FACP |
| ~ | Conduit Pipe Up Through Floor Above Or Through Section Cut Line | POE |
| €5 | Conduit Pipe Drop / Offset Down | MDF |
| FACP | Fire Alarm Control Panel | |
| WCH | Wall Mounted Connector Housing | |
| RACK | IT Rack | |
| A | Photo Identification Tag | |
| • | Connect To Existing | |
| | MDF / POE | |
| | | |



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



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|--|---|----------------|---|--|--|---|---|--|---|----|--|
| | | | | KEY NOTE | | | | | | _ | |
| | | | | 1a. Core I Sealed Sheet: | Drill Foundation Wall As Per G005. Coorc And TCNJ IT Depart | | Of Entry. Wall P ry Location And | enetration Shall Conduit Quantit | | 1 | |
| | | | | 1c. Existin Termi 2. Route | ng Spare Fiber Capac nation Points. Fiber Pathway As Pe | | oordinate With T | CNJ IT Departme | | 2 | |
| | | | | 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 | | | | | | | |
| | | | | Fire Al 5. New V The Fi | arm Control Panel. Vall Mounted Conne re Alarm Control Pai | Housing To Wall Mount ector Housing (WCH) As nel. Coordinate Final Loo punted Cabinet – Termin | Per Detail G003 cation With TCN | / 06 Located As J IT. | | 3 | |
| | | | | New V Final L 7. Core Distrik | Vall Mounted Cabin ocation With Existin Drill All Floor Pene oution Frame (MDF) | et. Coordinate Labeling g Field Conditions And T etrations To Route Fib | g Terminations N FCNJ IT Departm er From Point om MDF In Attic | With TCNJ IT De ent. Of Entry Withi To Wall Mount | partment. Coordinate n Basement To Main red Connector Housing | | |
| | | | | New \ | Vall Mounted Cabin | | g Terminations \ | Nith TCNJ IT De | nector Housing Within partment. Coordinate | | |
| | | | | Cabine | et. Circuit Shall Be | A 120V Circuit For Provided From Neare "Conduit With A 20 Am | est Electrical Dis | stribution Panel | ver Within 30" Deep With Available Space aker. | | |
| FIRE ALARM CONTROL PANEL | | | | | | | | | | 5 | |
| Fire Alarm Control Panel | | | | GENERAL | NOTES | | | | | | |
| | | | | Equip Install | ment And Devices; C ation (In Conjunction | Coordinate All Details On With The Project Spec | f Work As Requi ifications). | ired To Achieve | ow The Location Of All A Complete Functional | 6 | |
| | | | | And E In Con 3. All Wo | lbows. Flexible Nor cealed Locations. ork Shall Be Done In | n Metallic Tubing Instea | d Of Conduit Is | Acceptable Whe | oxes At All Transitions ere Pathway Is Located ds, And Other Agencies | | |
| | | | | 4. Condu Condi | tions. | | | Field Verify Rout | ting Fiber With Existing | 7 | |
| | | | | 6. Contra Condu | actor Shall Be Respondent | Noted In Plans. | And Floor Pen | | To Running Cable And | 8 | |
| | | | | 8. A Port Of Th Emerg | tion Of This Work W is Project, A Protect gency Egress Route, | cted Emergency Egress Allowing Retreat From | Path Of An Emer Route Must B n The Building. | gency Egress Ro e Maintained T Approval Fror | oute. During All Phases Through Each Affected | | |
| | | | | | SYMBOLS & ABBRE | ired To Close Or Re-dire | ect An Egress Ro | ute. | | 9 | |
| | | | | ├─── ₹ | New Fiber Pathw Conduit Pipe Up | | FACP | Fire Alarm Con | trol Panel | | |
| POULA FAILUD Pump Run | | | | ,O ,⊃ FACP | | sh Section Cut Line | POE MDF | Point Of Entry Main Distribut | ion Frame | 10 | |
| Sanda Sa | | | | WCH RACK | | onnector Housing | | | | | |
| | | | | | Connect To Exist MDF / POE | ing | | | | 11 | |
| | | | | PENNINGTON RD | | | | | | 12 | |
| FIRE ALARM CONTROL PANEL Fire Alarm Control Panel | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | ւվ՝ | CAMP | GREEN LN | | | 14 | |
| | project TCNJ - CAMPUS FI CABLE INFRASTRU 2000 PENNINGTO EWING NJ, 08618 | CTURE UPGRADES | | | M | G ARAGE, & TRENTO | N HALL | dwg. no. | A032 | | |