# ABBREVIATIONS

| | |
|---|---|
| A/E | ARCHITECT/ENGINEER |
| AAP | ALARM ANNUNCIATOR PANEL |
| ADA | AMERICANS WITH DISABILITIES ACT |
| AFC | ABOVE FINISHED CEILING |
| AFF | ABOVE FINISHED FLOOR |
| AFG | ABOVE FINISHED GRADE |
| AHJ | AUTHORITY HAVING JURISDICTION |
| ARCH | ARCHITECT |
| AV | AUDIOVISUAL |
| AVC | AUDIOVISUAL CONTRACTOR |
| AWG | AMERICAN WIRE GAUGE |
| BAS | BUILDING AUTOMATION SYSTEM |
| BCT | BONDING CONDUCTOR FOR TELECOMMUNICATIONS |
| BFF | BELOW FINISH FLOOR |
| BICSI | BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL |
| C | CAMERA |
| CAT | CATEGORY |
| CATV | CABLE TELEVISION |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CD | CONSTRUCTION DOCUMENTS |
| CL | CENTERLINE |
| CLG | CEILING |
| CONTR | CONTRACTOR |
| CT | CABLE TRAY |
| DEMO | DEMOLITION |
| DIA | DIAGRAM |
| EC | ELECTRICAL CONTRACTOR |
| EQ | EQUAL DIMENSION |
| ELEC | ELECTRICAL |
| EMER | EMERGENCY |
| ENCL | ENCLOSURE |
| FT | FEET |
| FP | FIRE PROTECTION |
| GND | GROUND |
| GC | GENERAL CONTRACTOR |
| HT | HEIGHT |
| HVAC | HEATING, VENTILATION, AND AIR CONDITIONING |
| IDS | INTRUSION DETECTION SYSTEM |
| IN | INCHES |
| I/O | AUDIOVISUAL I/O PANEL |
| J-BOX | JUNCTION BOX |
| LAN | LOCAL AREA NETWORK |
| LV | LOW VOLTAGE |
| KP | KEYPAD |
| M | MICROPHONE |
| MAX | MAXIMUM |
| MECH | MECHANICAL |
| MIN | MINIMUM |
| NEC | NATIONAL ELECTRICAL CODE |
| NTS | NOT TO SCALE |
| PB | PULL BOX |
| PS | PROJECTION SCREEN SWITCH |
| PST | PROJECTION SCREEN TYPE |
| PT | POKE THRU |
| PTZ | PAN / TILT / ZOOM |
| PWR | POWER |
| QTY | QUANTITY |
| RCDD | REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER |
| RCP | REFLECTED CEILING PLAN |
| RECPT | RECEPTACLE |
| REQD | REQUIRED |
| RM | ROOM |
| RS | ROOM SCHEDULER |
| RU | RACK UNIT |
| S | SPEAKER |
| SB | SPECIALTY BACK BOX |
| TB | TELECOMMUNICATIONS BACKBOARD |
| TBB | TELECOMMUNICATIONS BONDING BACKBONE |
| TE | TELECOMMUNICATIONS ENCLOSURE |
| TC | TELECOMMUNICATIONS CONTRACTOR |
| TGB | TELECOMMUNICATIONS GROUNDING BUSBAR |
| TMGB | TELECOMMUNICATIONS MAIN GROUNDING BUSBAR |
| TV | TELEVISION |
| TP | TOUCH PANEL |

# ABBREVIATIONS

| | |
|---|---|
| UL | UNDERWRITERS LABORATORY |
| UON | UNLESS OTHERWISE NOTED |
| UPS | UNINTERRUPTIBLE POWER SUPPLY |
| UTIL | UTILITY |
| WP | WEATHERPROOF |
| WAP | WIRELESS ACCESS POINT |

# SECURITY SYMBOLS

ACCESS CONTROL SYSTEM SYMBOLS

| | |
|---|---|
| EL | ELECTRIC LOCKING HARDWARE |
| E103 | VANDAL PROOF RESIDENT CALL SWITCH |
| L101 | VANDAL PROOF RESIDENT CALL LIGHT |
| RCMS | VANDAL PROOF RESIDENT CALL MASTER STATION |
| KBS | KEYED BY-PASS SWITCH |
| RIS | RESIDENT INTERCOM STATION |
| MIS | MASTER INTEROM STATION |
| MDH | MAGNETIC DOOR HOLDER |

VIDEO SURVEILLANCE SYSTEM SYMBOLS

X-X.XX/A#

X.X.XX/A#
SECURITY CAMERA

X-X.XX = UNIQUE CAMERA DEVICE NUMBER
A = CAMERA TYPE
# = MOUNT

CAMERA TYPES

A - INTERIOR DOME / FIXED LENS / 5MP RESOLUTION
B - EXTERIOR DOME / FIXED LENS / 5MP RESOLUTION

CAMERA MOUNTS

1 - SURFACE MOUNT
2 - IN-CEILING FLUSH MOUNT
3 - WALL ARM MOUNT
4 - ANTI LIGATURE CORNER MOUNT

# SECURITY SYMBOLS

VIEW REFERENCE CALLOUTS

TYX.X X — SINGLE WALL ELEVATION CALLOUT

X / X TYX.X X / X — MULTI-WALL ELEVATION CALLOUT

X / TYX.X — ROOM SECTION CALLOUT

X / TYX.X — ENLARGED PLAN CALLOUT

X / TYX.X — RISER DETAIL CALLOUT

# GENERAL NOTES

SECURITY SYSTEMS INSTALLATION SHALL COMPLY WITH THE MOST CURRENT VERSION OF THE FOLLOWING STANDARDS:

AMERICANS WITH DISABILITIES ACT, 2010

ANSI/TIA-568.0-E - GENERIC TELECOMMUNICATIONS CABLING FOR CUSTOMER PREMISES, 2020

ANSI/TIA-568.1-E - COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD, 2020

ANSI/TIA-568.2-D - BALANCED TWISTED-PAIR TELECOMMUNICATIONS CABLING AND COMPONENTS STANDARD, 2018

ANSI/TIA-568.3-D - OPTICAL FIBER CABLING COMPONENTS STANDARD, 2016

ANSI/TIA-568.4-D - BROADBAND COAXIAL CABLING AND COMPONENTS STANDARD, 2017

ANSI/TIA-569-E - TELECOMMUNICATIONS PATHWAYS AND SPACES, 2019

ANSI/TIA/EIA-598-D - OPTICAL FIBER CABLE COLOR CODING, 2014

ANSI/TIA-606-D - ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE, 2021

ANSI/TIA-607-C - COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS, 2019

ANSI/TIA-758-B - CUSTOMER-OWNED OUTSIDE PLANT TELECOMMUNICATIONS INFRASTRUCTURE STANDARD, 2012

NFPA 70 - NATIONAL ELECTRICAL CODE (NEC)

NFPA 75 - STANDARD FOR THE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT

NFPA 76 - STANDARD FOR THE FIRE PROTECTION OF TELECOMMUNICATIONS FACILITIES

BICSI - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 14TH EDITION, 2020

NDAA SECTION 899 - JOHN S. McCAIN NATIONAL DEFENSE AUTHORIZATION ACT FOR FISCAL YEAR 2019

# INDUSTRY STANDARDS

1. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL SECURITY SYSTEM(S). THIS CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS NECESSARY TO PROVIDE SUCH A SYSTEM. ANY DISCREPANCIES SHALL BE BROUGHT TO THE OWNER'S ATTENTION.
2. THE DRAWINGS FOR SECURITY WORK UTILIZE SYMBOLS AND SCHEMATIC DIAGRAMS WHICH HAVE NO DIMENSIONAL SIGNIFICANCE. INSTALLATION SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND FIELD CONDITIONS AS REQUIRED AND ALIGN WITH DIMENSIONS INDICATED ON THE FINAL WORKING DRAWINGS.
3. PROVIDE ALL NECESSARY MEANS TO PROTECT CABLING AND CONNECTORS FROM DAMAGE DURING CONSTRUCTION.
4. ALL WORK WITHIN TELECOMMUNICATION ROOMS SHALL BE COORDINATED WITH THE COMMUNICATIONS CABLING & INFRASTRUCTURE MANAGER.
5. DOOR HARDWARE REQUIREMENTS AND LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECT. VERIFY FINAL LOCATION OF DOORS AND ASSOCIATED HARDWARE PRIOR TO INSTALLATION OF JUNCTION BOX, RACEWAYS, AND ASSOCIATED COMPONENTS.
6. ALL DOOR ELEVATION DETAILS INDICATED ARE DIAGRAMMATIC, AND ARE PROVIDED TO INDICATE TYPICAL RACEWAY, HARDWARE, AND COMPONENT CONFIGURATIONS. ALL CABLING AS INDICATED SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THIS CONTRACTOR SHALL PROVIDE ALL CABLING IN ACCORDANCE WITH MANUFACTURES REQUIREMENTS. ALL CABLING SHALL BE SIZED BASED ON CABLE DISTANCE TAKING VOLTAGE DROP INTO CONSIDERATION. REFER TO SPECIFICATION SECTION 087100 FOR DOOR HARDWARE REQUIREMENTS.
7. REFER TO SPECIFICATIONS FOR FUNCTIONAL OPERATION REQUIREMENTS OF ALL DOORS.
8. RACEWAYS SERVING DOOR HARDWARE SHALL BE CONCEALED IN WALLS AND DOOR FRAMES. NO SURFACE MOUNTED RACEWAY SHALL BE PERMITTED WITHOUT PRIOR REVIEW BY THE ENGINEER.
9. ALL DEVICE PLATES, JUNCTION BOX COVERS AND OTHER SECURING SCREWS MUST BE TAMPER RESISTANT TYPE.

# DRAWING LIST

| SHEET NO. | SHEET NAME | REV |
|---|---|---|
| TY-001 | SECURITY SYMBOLS & NOTES | |
| TY-010 | BASEMENT DEMOLITION PLAN | |
| TY-011 | FIRST FLOOR DEMOLITION PLAN | |
| TY-012 | SECOND FLOOR DEMOLITION PLAN | |
| TY-100 | SECURITY BASEMENT FLOOR PLAN | |
| TY-101 | SECURITY FIRST FLOOR PLAN | |
| TY-102 | SECURITY SECOND FLOOR PLAN | |
| TY-103 | SECURITY THIRD FLOOR PLAN | |
| TY-501 | SECURITY RISER DIAGRAM | |
| TY-502 | SECURITY CAMERA RISER DIAGRAM | |
| TY-601 | SECURITY DETAILS | |
| TY-602 | SECURITY DETAILS | |
| TY-603 | SECURITY WIRING DETAILS | |

RECORD REVISIONS

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
BRUCE J YOCH
BICSI ID # 226260
EXPIRES 12-31-25
RCDD

PROFESSIONAL'S SIGNATURE DATE


UpStreet ARCHITECTS, INC.
541 PHILADELPHIA ST. INDIANA, PA 15701
911 MENOHER BLVD. JOHNSTOWN, PA 15905

BrightTree STUDIOS
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WARRENDALE, PA 15086
412-212-7515


COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF GENERAL SERVICES
HARRISBURG, PENNSYLVANIA

D.G.S. PROJECT No.
**C-0588-0015 PHASE 1**

**LOYSVILLE YOUTH DEVELOPMENT CENTER-RENOVATIONS TO ZIMMERMAN-BINGAMAN (ZB) COTTAGE**
DEPARTMENT of HUMAN SERVICES
LOYSVILLE, TYRONE TOWNSHIP, PERRY COUNTY, PA

**SECURITY SYMBOLS & NOTES**

**VERIFY SCALE**

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:
0 — 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT PROFESSIONAL & BUREAU OF CONSTRUCTION APPROVAL.

| DRAWN BY | DATE | SHEET No. |
|---|---|---|
| CF | 27 JUNE 2023 | TY-001 |
| CHECKED BY | SCALE | |
| DV | NTS | |