

**ABBREVIATIONS:**

A	AMPERE, AMPERES
AMP	AMPERE, AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CAP	CAPACITY
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CND	CONDUIT
COMP	COMPUTER
CTX	CONNECT TO EXISTING
DIA	DIAMETER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EW	ELECTRIC WATER COOLER
EXIST	EXISTING
EX	EXISTING
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPERES
FRM	FRAME
FSS	FUSED SAFETY SWITCH
GFI	GROUND FAULT INTERRUPTING
G	GROUND
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER PORTABLES
IDF	INTERMEDIATE DISTRIBUTION FRAME
IMC	INTERMEDIATE METAL CONDUIT
KMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LRA	LOCKED ROTOR AMPERES
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MDF	MAIN DISTRIBUTION FRAME
MDP	MAIN DISTRIBUTION PANEL
MFS	MAXIMUM FUSE SIZE
MH	MOUNTING HEIGHT/MANHOLE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFSS	NONFUSED SAFETY SWITCH
NIC	NOT IN CONTRACT
NO	NUMBER
OC	ON CENTER
P	POLE, POLES
∅	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RX	REMOVE EXISTING
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
TTB	TELEPHONE TERMINAL BOARD
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
W	WATTS/WIRE, WIRES
WP	WEATHERPROOF
XFMR	TRANSFORMER

**TECHNOLOGY LEGEND:**

**NOTE:** ALL MOUNTING HEIGHTS AND LOCATIONS OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD BY THE CONTRACTOR PRIOR TO ROUGH-IN.

**DATA**

- DATA OUTLET: SUBSCRIPT DENOTES QUANTITY. M.H. 18" AFF
- DATA OUTLET CEILING MOUNTED.
- WIRELESS DATA OUTLET
- ABOVE CEILING DATA OUTLET WITH 20 FEET OF CAT 6 CABLING COILED ABOVE CEILING FOR CONNECTION TO WIRELESS ACCESS POINT (BY OWNER'S VENDOR)
- PROJECTOR LOW OUTLET: REFER TO SPECIFICATIONS AND DETAILS FOR CONFIGURATION
- PROJECTOR HIGH OUTLET: REFER TO SPECIFICATIONS AND DETAILS FOR CEILING MOUNTED LCD PROJECTOR

TEACHER/INSTRUCTOR DROP. REFER TO SPECIFICATIONS AND DETAILS FOR CONFIGURATION.

EQUIPMENT RACK/CABINET.

SECURITY CAMERA

**SECURITY SYSTEM**

- DOOR CONTACT
- KEYPAD
- CCTV # # CCTVA # # CCTVB # # CCTVC # # CCTVD # # CCTVE # # CCTVF # # CCTVG # # CCTVH # # CCTVI # # CCTVJ # # CCTVK # # CCTVL # # CCTVM # # CCTVN # # CCTVO # # CCTVP # # CCTVQ # # CCTVR # # CCTVS # # CCTVT # # CCTVU # # CCTVV # # CCTVW # # CCTVX # # CCTVY # # CCTVZ # #
- CARD READER
- PANIC ALARM STATION

**AUDIO VIDEO/SOUND SYSTEM**

- MICROPHONE OUTLET; DESKTOP, WALL MOUNTED AT 1'-6" AFF UON
- # INDICATES QUANTITY OF MICROPHONE JACKS IN FACE PLATE
- SPEAKER; CEILING MOUNTED, WALL MOUNTED AT 7'-6" AFF UON
- WP - WEATHERPROOF, H - HORN TYPE, V - INTEGRAL VOLUME CONTROL, P - HIGH PERFORMANCE TYPE
- DIGITAL MEDIA RECEIVER
- DIGITAL MEDIA TRANSMITTER
- PTZ CAMERA
- TOUCH PANEL CONTROL
- AV FLOOR BOX/POKE THRU DEVICE

**MISCELLANEOUS:**

- DENOTES REFERENCE TO DRAWING NOTE
- DENOTES REFERENCE TO REVISIONS TO DRAWING

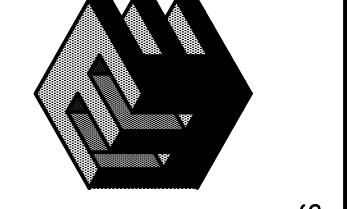
**CONVENTIONS:**

- DETAIL NUMBER
- DRAWING NUMBER WHERE DETAIL IS LOCATED
- #/E#.# DETAIL REFERENCE: DETAIL NUMBER/DRAWING NUMBER

**GENERAL NOTES:**

1. GENERAL NOTES ON THIS DRAWING SHALL APPLY TO ALL TECHNOLOGY DRAWINGS ON THIS PROJECT. CAREFULLY READ ALL GENERAL NOTES PRIOR TO COMMENCEMENT OF WORK.
2. ANY MATERIALS AND DEVICES NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR INDICATED ON THESE CONTRACT DRAWINGS THAT ARE REQUIRED FOR A COMPLETE FINISHED AND OPERATING SYSTEM INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
3. WHERE THE TERM "PROVIDE" IS USED ON THESE DRAWINGS, IT SHALL BE DEFINED AS FOLLOWS: FURNISH, INSTALL AND MAKE ALL FINAL CONNECTIONS FOR THE EQUIPMENT INDICATED.
4. CABLE ROUTES ILLUSTRATED ARE DIAGRAMMATIC. EXACT ROUTING SHALL BE DETERMINED IN FIELD BY THE CONTRACTOR AND DOCUMENTED FOR FUTURE REFERENCE BY OWNER.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND LOCAL AMENDMENTS.

Wright Engineering, LLC  
 3100 Rte 100  
 Suite 100  
 Columbia, MD 21046  
 P: (410) 871-8877 F: (410) 871-8878  
 www.wrighteng.com



DRAWING INTENT IS TO ARRANGE THE DESIGN AND INTENT OF WORK IS PARTLY DIAGRAMMATIC. IT SHALL NOT BE SCALED FOR ROUGH-IN MEASUREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF DIMENSIONS.

I CERTIFY THAT THESE DRAWINGS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.  
 LICENSE No. 8278  
 EXPIRATION DATE 09.02.14



BUSHEY FEIGHT MORIN ARCHITECTS INC.  
 473 North Potomac Street, Hagerstown, Md 21740  
 301-733-5600 Fax 301-733-5617  
 E-mail: BFM@BFMArchitects.com  
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**BFM**  
**WASH. CO. ADMINISTRATION COMPLEX**  
**FIRST FLOOR RENOVATIONS**  
 BFM No. 14028

BID DOCUMENTS

TELECOM LEGEND AND ABBREVIATIONS

**TEO.0**

1 OF 12 SHEETS

DATE : 08.15.14