

**Legend**

| SYMBOL | DESCRIPTION                                                                               | HEIGHT                                                                                                                                        |
|--------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|        | Wireless Access Point Antenna<br>(1) Yellow CAT6 CMR Cable With 10' Slack Coil            | Above Ceiling-UON<br>12" X12" Access Panel Required If hard ceiling                                                                           |
|        | Wireless Access Point Antenna<br>(1) Yellow CAT6 CMR Cable With 10' Slack Coil            | Mount 12" X12" X4" Weather Proof Box 120" AFF -UON<br>3/4" Conduit into nearest ceiling space                                                 |
|        | V/D Outlet Blue CAT6 CMR Cables<br>Number Represents SS Faceplate with phone studs        | V/D Outlet 48" AFF - UON<br>3/4" conduit from Outlet to above ceiling space and turn toward corridor                                          |
|        | V/D Ceiling Outlet Blue CAT6 CMR Cables<br>Number Represents Quantity of Cables           | V/D Ceiling outlet mounted flush in ceiling (Refer to drawing)<br>3/4" Conduit-UON in ceiling space toward corridor                           |
|        | V/D Floor Box Blue CAT6 CMR Cables<br>Number Represents Quantity of Cables                | V/D Floor Box mounted flush in floor (Refer to drawing) Provide<br>1" Conduit-UON to nearest wall and stub into ceiling space toward corridor |
|        | Signage Outlet<br>(1) Blue Data CAT6 Cable                                                | 45" AFF Coordinate Outlet Location/Height with "ID" Drawings<br>3/4" conduit (UON) to above ceiling space and turn toward corridor            |
|        | Voice/Data Outlet - UON<br>(1) White Voice CAT6 and (1) Blue Data CAT6 Cables             | 18" AFF - UON<br>3/4" conduit to above ceiling space and turn toward corridor                                                                 |
|        | Voice Outlet<br>(1) White Voice CAT6 Cable                                                | Voice Outlet 18" AFF -UON<br>3/4" conduit/ENT to point above corridor ceiling space                                                           |
|        | Voice Outlet (1) White CAT6 CMR Cable - UON<br>W Represents SS Faceplate with phone studs | Voice Outlet 48" AFF - UON<br>3/4" conduit to above ceiling space and turn toward corridor                                                    |
|        | Combination Outlet<br>(2) Blue CAT6, (1) RG6, & (1) Duplex OM3 F/O Cables                 | Combination Outlet 18" AFF - UON<br>1" conduit/ENT to point above corridor ceiling space                                                      |
|        | CATV Outlet<br>(1) RG6 and (1) CAT6 Cable (UON)                                           | Coordinate Outlet Location/Height with "ID" Drawings (UON)<br>3/4" conduit/ENT into corridor above ceiling and above ceiling                  |
|        | CCTV Camera Outlet<br>(1) Blue CAT6 Cable                                                 | CCTV Camera outlet ceiling mounted - UON<br>3/4" conduit to above ceiling space                                                               |
|        | CCTV Monitor Outlet<br>(1) Blue CAT6 Cables                                               | CCTV Monitor outlet 66" AFF - UON<br>3/4" conduit to above ceiling space                                                                      |
|        | Ceiling Audio Speaker<br>18/2 Cable - UON                                                 | Speaker Bracket mounted flush in hard ceilings                                                                                                |
|        | Audio Speaker Volume Control<br>18/2 Cable - UON                                          | 48" AFF - UON<br>3/4" conduit to above ceiling space                                                                                          |
|        | Plywood Back Board 8'H x 4'W x 3/4"<br>Refer to General Notes                             | 6" AFF - UON                                                                                                                                  |
|        | 84" H x 19" W Floor Mounted Rack                                                          | N/A                                                                                                                                           |
|        | 78.1"H x 21.7"W x 25.2"D Wall Rack-UON                                                    | 24" AFF - UON                                                                                                                                 |
|        | NEMA 5-15R 15 AMP Dedicated Circuit<br>(Quad Outlet)                                      | 18" AFF - UON                                                                                                                                 |
|        | NEMA L5-30R 30 AMP Dedicated Circuit                                                      | 18" AFF - UON                                                                                                                                 |
|        | NEMA 5-15R 15 AMP Non-Dedicated Circuit<br>(Quad Outlet)                                  | 18" AFF - UON                                                                                                                                 |
|        | NEMA 5-15R 15 AMP Non-Dedicated Circuit<br>Convenience (Duplex Outlet)                    | 18" AFF - UON                                                                                                                                 |
|        | Approved Building Ground<br>TMGB - TGB                                                    | 18" AFF - UON                                                                                                                                 |
|        | Conduit Up (Refer to drawings for size)                                                   | N/A                                                                                                                                           |
|        | Conduit Down (Refer to drawings for size)                                                 | N/A                                                                                                                                           |
|        | 12"W Cable Runway                                                                         | 84" AFF - UON                                                                                                                                 |
|        | DAS ANTENNA (NIC) Reference only                                                          | CEILING MOUNTED                                                                                                                               |

NOT ALL SYMBOLS USED

**Scope of Work included in General Contractor's Bid**

- Provide & install all back-boxes(outlet box) and conduit to above ceiling
- Verify elevations of back-boxes (outlet box)
- Provide & install (12"x12") access panels for WAP locations where required

**Approved Structured Cabling System**

| Sub-System                     | Description                                           | Color  | Make      | Nominal OD | Part Number     |
|--------------------------------|-------------------------------------------------------|--------|-----------|------------|-----------------|
| Horizontal Data/CATV/CCTV      | Series 77, Category 6 UTP, CMP, Cable                 | Blue   | Supertor  | .22 inch   | 77-240-2B       |
| Horizontal Guest Unit Voice    | Series 77, Category 6 UTP, CMP, Cable                 | White  | Supertor  | .22 inch   | 77-240-4B       |
| Horizontal Ceiling WAP         | Series 77, Category 6 UTP, CMP, Cable                 | Yellow | Supertor  | .22 inch   | 77-240-6B       |
| Horizontal Coax CATV           | RG6, CMP, Cable                                       | White  | CommScope | .239 inch  | 4138003/10      |
| Horizontal I/O Rated CAT6      | Indoor/Outdoor UTP CAT6                               | Blue   | Supertor  | .27 inch   | 77-246-21       |
| Riser Coax CATV                | RG11, CMP Riser, Cable                                | White  | CommScope | .351 inch  | 4101403/10      |
| Interlocking Armored OM3 Fiber | (12) Strand Interlocking Armor OM3 50 micron MM fiber | Aqua   | Coming    | .54 inch   | 012788-31180-A3 |
| Interlocking Armored OS2 Fiber | (6) Strand Interlocking Armor OS2 5M fiber            | Yellow | Coming    | .21 inch   | 006E88-31131-A3 |
| Riser CAT3 Copper              | (25) Pair CAT3 CMP Riser Cable                        | Gray   | Supertor  | .43 inch   | 18-499-36       |
| Riser CAT3 Copper              | (50) Pair CAT3 CMP Riser Cable                        | Gray   | Supertor  | .60 inch   | 18-599-36       |
| Riser CAT3 Copper              | (100) Pair CAT3 CMP Riser Cable                       | Gray   | Supertor  | .84 inch   | 18-799-36       |
|                                |                                                       |        |           |            |                 |
|                                |                                                       |        |           |            |                 |

NOT ALL CABLES USED

**General Notes**

- EC is responsible to provide and install all properly sized conduits based on the latest NEC codes with pull string; bushings; and all sleeves
- EC to provide and install all ENT and 4" Square Box/SG Mud Ring outlet boxes
- EC is to verify every wall mounted outlet height and location with the "A" & "ID" drawings to ensure the proper height and location with respect to cabinets, equipment desk, etc.
- Electrical Engineer to verify & include receptacles shown on "T" drawings on "E" drawings and schedules; EC to provide and install all electrical requirements
- EC to provide and install all approved building grounds, TMGB and TGB
- GC to provide and install all fire retardant plywood back boards required
- GC to provide and install (12" x 12") approved access panels for WAP locations where required
- GC to install "New Construction Drywall Ceiling Brackets" for speakers, provided by owner/others where required Refer to AV drawings
- Communication Cabling Contractor is responsible for installing approved CAT6 "J" hooks or support system on minimum 4" centers above ceilings for supporting communication cabling
- Communication Cabling Contractor is responsible for fire-stopping all conduits and sleeves installed for communication cabling
- Communication Cabling Contractor is responsible for labeling both ends on all cables
- Fire Alarm cabling & devises to be provided and installed by others
- AV System equipment, devises, and cabling provided and installed by others
- CCTV System and devises provided and installed by others
- MATV System and devises provided and installed by others
- Telephone System and devises provided and installed by others
- HSIA System and devises provided and installed by others
- WAP switches and antennas provided and installed by others

NOT ALL GENERAL NOTES APPLY TO PROJECT

**Abbreviations**

| Abbreviation | Meaning                           |
|--------------|-----------------------------------|
| UON          | Unless Otherwise Noted            |
| AFF          | Above Finished Floor              |
| WAP          | Wireless Access Point             |
| UPS          | Uninterrupted Power Supply        |
| CMR          | Communication Riser Rated Cable   |
| CMP          | Communication Plenum Rated Cable  |
| MTR          | Main Telecom Room                 |
| TR           | Telecom Room                      |
| BTR          | Building Telephone Room           |
| LOC          | Local Operating Company           |
| ENT          | Electrical Non-metallic Tubing    |
| FACP         | Fire Alarm Control Panel          |
| HSIA         | High Speed Internet Access        |
| WPE          | Weather Proof Enclosure           |
| TBD          | To Be Determined                  |
| COMM         | Communication DAS (Antenna)       |
| ER           | Emergency Responder DAS (Antenna) |

**Drawing Index**

| Number | Description          |
|--------|----------------------|
| IT1.00 | LEGEND               |
| IT1.01 | FITNESS MEMBERS AREA |
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**LEGEND**

IT1.00



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