

**TELECOMMUNICATIONS LEGEND**

- TELECOMMUNICATIONS LEGEND**
- AC** COMMUNICATIONS OUTLET MOUNTED ON WALL AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE. SUBSCRIPTS INDICATE AS FOLLOWS:  
 AC - MOUNT ABOVE COUNTER COORDINATE WITH CASEWORK PRIOR TO ROUGH-IN  
 84" - MOUNTING HEIGHT AFF  
 SF - SURFACE MOUNTED RACEWAY  
 W - WALL PHONE OUTLET, SEE DETAIL
  - (D2)** CO TYPE IDENTIFICATION TAG. THE NUMBER AFTER THE D INDICATES THE QUANTITY OF DATA JACKS. EACH JACK SHALL HAVE A DEDICATED HORIZONTAL CABLE HOMERUN. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR COLOR CODING AND OTHER OUTLET REQUIREMENTS.
  - (D1S1)** CO TYPE IDENTIFICATION TAG. THE NUMBER AFTER THE D INDICATES THE QUANTITY OF DATA JACKS ROUTED TO COMMUNICATIONS ROOM ON 1ST FLOOR. THE NUMBER AFTER THE S INDICATES THE QUANTITY OF DATA JACKS ROUTED TO THE NEAREST SERVING SERVER ROOM. EACH JACK SHALL HAVE A DEDICATED HORIZONTAL CABLE HOMERUN. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR COLOR CODING AND OTHER OUTLET REQUIREMENTS.
  - (D1V)** CO TYPE IDENTIFICATION TAG. THE NUMBER AFTER THE D INDICATES THE QUANTITY OF DATA JACKS. T INDICATES TO PROVIDE A TV COAX DROP. EACH JACK SHALL HAVE A DEDICATED HORIZONTAL CABLE HOMERUN. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR COLOR CODING AND OTHER OUTLET REQUIREMENTS.
  - ▶** SIMULATION WALL PHONE COMMUNICATIONS OUTLET MOUNTED ON WALL AT 48" AFF. REFER TO DETAILS AND SINGLE LINE.
  - TV** TV OUTLET. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR REQUIREMENTS.
  - J** JUNCTION BOX. REFER TO NOTES AND DETAILS.
  - PULL BOX. SIZE AS INDICATED.
  - CONDUIT TERMINATION TO INSULATED BUSHING.
  - ①** SHEET NOTE TAG.
  - LEADERS.
  - [WAP]** WIRELESS ACCESS POINT, REFER TO DETAIL.
  - [AV]** AV BACKBOX, REFERENCE ELECTRICAL DRAWINGS FOR DETAILS.
  - [FP]** FLAT PANEL, ROUGH-IN, REFERENCE ELECTRICAL DRAWINGS FOR DETAILS.
  - [CR]** CARD READER ROUGH-IN, REFERENCE ELECTRICAL DRAWINGS FOR DETAILS.
  - [SI]** AV (SIMULATOR) BACKBOX ROUGH-IN. REFERENCE ELECTRICAL DRAWINGS FOR DETAILS.
  - ▲** WALL MOUNTED SPEAKER ROUGH-IN. REFERENCE ELECTRICAL DRAWINGS FOR DETAILS.

**DIVISION 27 CONTRACTOR RESPONSIBILITIES AND COORDINATION NOTE**

THIS LIST IS NOT COMPREHENSIVE. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR ANY ADDITIONAL REQUIREMENTS SHOWN ON THE TELECOMMUNICATIONS DRAWINGS AND/OR REQUIRED TO PROVIDE A COMPLETE SYSTEM.

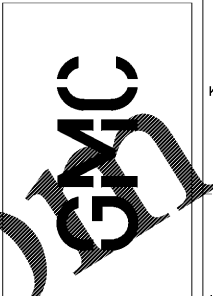
1. GROUNDING  
 THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR INSTALLING THE GROUNDING BUSBARS AS SHOWN ON THE DRAWINGS AND CONNECTING THEM TO THE BUILDINGS MAIN ELECTRICAL SERVICE GROUND. THE EC SHALL ALSO BE RESPONSIBLE FOR ALL BONDING BACKBONES AND GROUNDING ALL BACKBONE CONDUIT AND CABLE TRAY. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR GROUNDING ALL RACKS, VOICE BLOCKS, PROTECTOR BLOCKS, CABLE LADDER TRAY IN COMMUNICATION ROOMS TO THE LOCAL TSS IN THE TR.
2. FIRESTOPPING  
 THE EC SHALL BE RESPONSIBLE FOR FIRESTOPPING SLEEVE ASSEMBLIES TO OBTAIN A UL RATING. THE SCSC SHALL BE RESPONSIBLE FOR FIRESTOPPING INSIDE THE RACEWAYS AFTER INSTALLATION OF CABLING IS COMPLETE.
3. RACEWAYS  
 THE EC SHALL BE RESPONSIBLE FOR ALL BACKBONE CONDUIT, HORIZONTAL CONDUIT, CABLE TRAYS (EXCEPT PERIMETER CABLE TRAYS AND LADDER TRAYS IN TRs) AND CABLING PATHWAYS. THIS IS TO INCLUDE ALL INTERIOR AND EXTERIOR CONDUIT, ALL WALL PENETRATIONS AND CONDUIT SLEEVES WHETHER SHOWN ON THE DRAWINGS OR AS REQUIRED TO PENETRATE FULL HEIGHT PARTITIONS AS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONDUIT PATHWAYS SHALL INCLUDE ALL DEVICE BOXES, PULLBOXES, PULL TAPE, PULLSTRINGS, CONDUIT MARKINGS, ETC. WITHIN TELECOMMUNICATIONS ROOMS TO PROVIDED RUNWAYS, PERIMETER CABLE TRAY, PROVIDE END BUSHINGS ON ALL CONDUIT. THE UNIVERSITY SHALL BE RESPONSIBLE FOR THE FOLLOWING ITEMS IN TELECOMMUNICATIONS ROOMS ONLY: D-RINGS, CABLE TIES AND/OR ANY OTHER REQUIREMENTS FOR ROUTING AND SECURING CABLE IN THE TELECOMMUNICATIONS ROOMS. THE SCSC SHALL PROVIDE ANY INNERDUCT IN BACKBONE CONDUITS AS REQUIRED IN THE SPECIFICATIONS AND DRAWINGS.
4. COMMUNICATIONS CABLING  
 THE UNIVERSITY SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, TERMINATING, TESTING AND LABELING ALL COMMUNICATIONS CABLES.
5. COMMUNICATIONS WORK AREA OUTLETS  
 THE EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT AND BACKBOXES ASSOCIATED WITH THE COs. THE UNIVERSITY SHALL PROVIDE ALL CABLING, OUTLET DEVICES AND FACEPLATES.
6. BACKBOARDS  
 THE EC SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL BACKBOARDS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLETE SYSTEM. THE EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF ELECTRICAL CONDUIT PRIOR TO INSTALLATION OF BACKBOARDS. ALL POWER CONDUIT SHALL BE CONCEALED IN WALL BEHIND ALL BACKBOARDS. BACKBONE CONDUIT SHALL BE EXPOSED.
7. INTERBUILDING & EXTERIOR WORK  
 7.1. COORDINATE ALL WORK WITH THE APPROPRIATE PROVIDERS.

**ABBREVIATIONS**

- A AMPS
- AC ABOVE COUNTER
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- BLDG BUILDING
- C CONDUIT
- CL CENTERLINE
- CLG CEILING
- CU COPPER
- CO COMMUNICATIONS OUTLET
- EC ELECTRICAL CONTRACTOR
- EF ENTRANCE FACILITY
- EGC EQUIPMENT GROUNDING CONDUCTOR
- EMGB ELECTRICAL MAIN GROUNDING BUSBAR
- EX EXISTING TO REMAIN
- EWT ELECTRICAL METALLIC TUBING
- FACP FIRE ALARM SYSTEM CONTROL PANEL
- FLR FLOOR
- GND GROUND
- G.C. GENERAL CONTRACTOR
- GEC GROUNDING ELECTRODE CONDUCTOR
- JB JUNCTION BOX
- MCE MAIN COMMUNICATIONS EQUIPMENT ROOM
- MM MULTIMODE
- MNT MOUNTING HEIGHT
- NEC NATIONAL ELECTRICAL CODE
- NIC NDT IN CONTRACT
- OFO OWNER FURNISHED OWNER INSTALLED
- OFCI OWNER FURNISHED CONTRACTOR INSTALLED
- RM ROOM
- RGS RIGID GALVANIZED STEEL CONDUIT
- RNC RIGID NON-METALLIC CONDUIT
- SCSC STRUCTURED CABLING SYSTEM CONTRACTOR
- SIM SINGLEMODE
- TSS TELECOMMUNICATIONS BONDING BACKBONE
- TR TELECOMMUNICATIONS ROOM
- TGB TELECOMMUNICATIONS GROUNDING BUSBAR
- TMGB TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
- TYP TYPICAL
- UFR UNDERFLOOR RACEWAY
- UL UNDERWRITERS' LABORATORIES
- UNO UNLESS NOTED OTHERWISE
- V VOLT
- VA VOLT-AMPERES
- W WATTS
- WAP WIRELESS ACCESS POINT
- WP WEATHERPROOF

**FIRESTOPPING NOTE**

THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF ALL FLOORS AND ALL WALLS WHICH EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF DECK ABOVE. FIRESTOPPING SHALL BE ACCOMPLISHED AFTER ALL CABLES ARE PULLED (ALL SYSTEMS) USING UL CLASSIFIED SYSTEMS WITH FIRE RATING EQUAL TO OR GREATER THAN THE FIRE RATING OF THE FLOOR OR WALL THROUGHLY PENETRATED. FIRESTOP SYSTEMS SHALL BE KEPT OPEN OR ENGINEER APPROVED EQUAL. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. THE CONTRACTOR SHALL SUBMIT A MANUFACTURER'S STATEMENT FOR EACH PENETRATION. FLOOR AND WALL PENETRATIONS IN REQUIREMENTS FOR THIS PROJECT. OTHER PENETRATIONS OR OPENINGS IN WALLS OR CEILING SHALL BE REPAIRED AND SEALED WITH MATERIALS COMPATIBLE WITH THE EXISTING CONSTRUCTION.



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 LEGEND AND NOTES

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