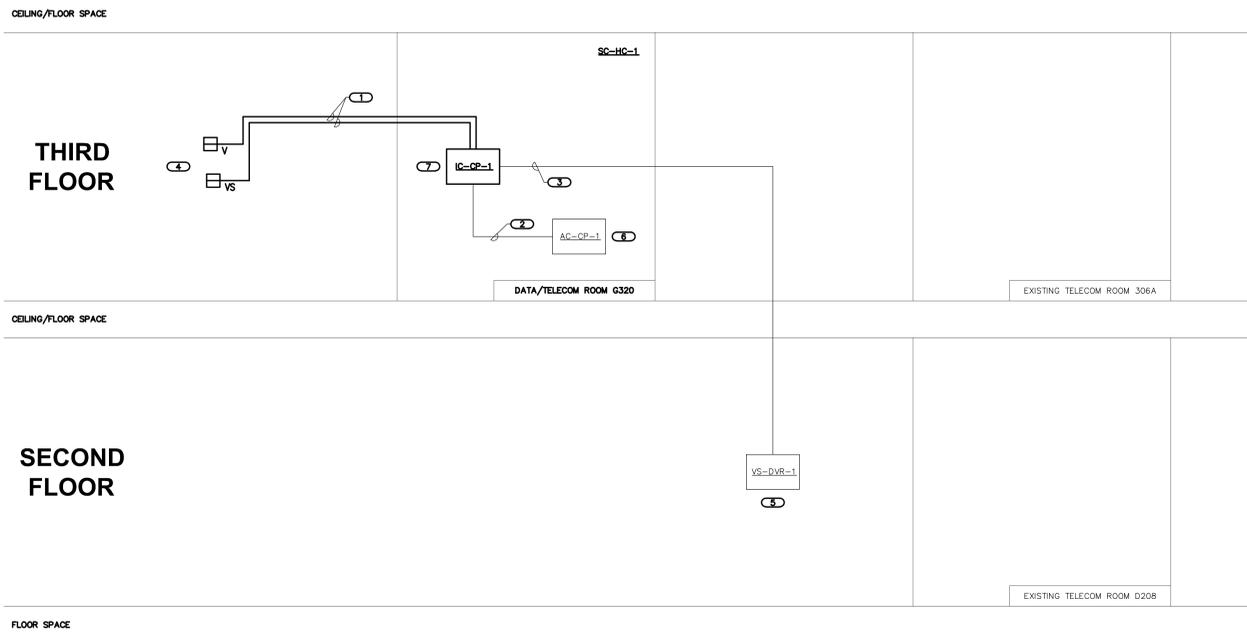
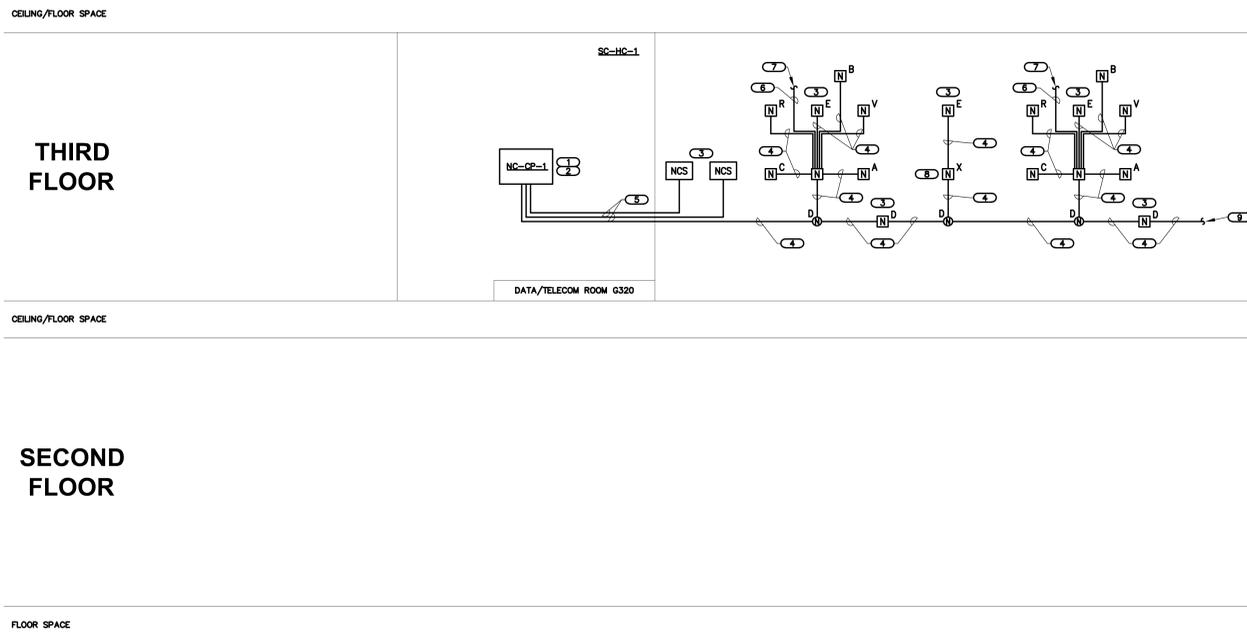


three inches = one foot  
 one and one half inches = one foot  
 one inch = one foot  
 three quarters inch = one foot  
 one half inch = one foot  
 three eighths inch = one foot  
 one quarter inch = one foot  
 one eighth inch = one foot



### 1 NURSE CALL SYSTEM RISER DIAGRAM

- NO SCALE
- NOTES:**
- THIS RISER DIAGRAM SHOWS ONLY A SMALL PORTION OF THE LARGER EXISTING FACILITY AND SHOWS ONLY NEW AND EXISTING WORK DIRECTLY RELATED TO THIS PROJECT.
  - THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPES. ALL SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - COORDINATE ALL FINAL CABLE REQUIREMENTS WITH MANUFACTURER OF APPROVED NURSE CALL SYSTEM. ALL NURSE CALL SYSTEM CABLING SHALL BE INSTALLED IN CONDUIT.
- KEYNOTES:**
- COORDINATE CONNECTION TO AND INTEGRATION WITH EXISTING NURSE CALL SYSTEM, ALL NECESSARY PROGRAMMING, AND TESTING WITH VA HOSPITAL FACILITY STAFF.
  - NC-CP-1 TO BE PROPERLY BONDED TO NEAREST SC-GND-1 WITH MINIMUM SIZE OF 6 AWG COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR). REFER TO GROUNDING CONDUCTOR SIZING SCHEDULE ON DRAWING 1505 FOR CONDUCTOR SIZING CRITERIA. REFER TO 2/1505 FOR ADDITIONAL INFORMATION.
  - DEVICES SHOWN ARE TYPICAL. REFER TO FLOOR PLANS FOR ACTUAL QUANTITY AND LOCATIONS OF SYSTEM DEVICES.
  - ONE (1) 24 GAUGE 4-PAIR CATEGORY 5E UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
  - ONE (1) 18 AWG 9-PAIR SHIELDED CABLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
  - ONE (1) 18 AWG 2-CONDUCTOR CABLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
  - CONNECTION TO RELAY FOR LIGHTING CONTROL. RELAY PROVIDED WITH LUMINAIRE FIXTURE BY ELECTRICAL CONTRACTOR. REFER TO ELECTRICAL LIGHTING PLANS FOR LOCATIONS OF LUMINAIRE FIXTURES AND ADDITIONAL INFORMATION.
  - DEVICES NOT LOCATED IN A PATIENT ROOM WITH AN ASSOCIATED PATIENT STATION CONNECT TO A LOCAL CONTROLLER WHICH, IN TURN, CONNECTS TO THE SYSTEM IN THE SAME MANNER AS A PATIENT STATION.
  - DOME LIGHTS AND DUTY STATIONS MAY NOT BE T-TAPPED. EACH BUSS CIRCUIT CABLE SHALL BE ROUTED TO SERVE AN EQUAL NUMBER OF DEVICES.

### 2 VIDEO INTERCOM SYSTEM RISER DIAGRAM

- NO SCALE
- NOTES:**
- THIS RISER DIAGRAM SHOWS ONLY A SMALL PORTION OF THE LARGER EXISTING FACILITY AND SHOWS ONLY NEW AND EXISTING WORK DIRECTLY RELATED TO THIS PROJECT.
  - THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE(S). DEVICES SHOWN ARE TYPICAL OF THE DEVICES IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR ACTUAL QUANTITIES OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - ALL NECESSARY CONNECTIONS, PROGRAMMING, AND TESTING TO BE COMPLETED BY THIS CONTRACTOR.
  - ALL VIDEO INTERCOM SYSTEM CABLING SHALL BE INSTALLED IN CONDUIT.
- KEYNOTES:**
- ONE (1) 24 GAUGE CATEGORY 5E UNSHIELDED TWISTED PAIR CABLE, PLENUM RATED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  - ONE (1) TWO CONDUCTOR 18 GAUGE UNSHIELDED CABLE. CABLE PROVIDED AS PART OF THE ACCESS CONTROL SYSTEM AND IS SHOWN FOR REFERENCE ONLY.
  - ONE (1) 18 GAUGE RG-6 95% BARE COPPER BRAID SHIELD (NO FOIL SHIELD) COAXIAL CABLE. CABLE PROVIDED AS PART OF THE VIDEO SURVEILLANCE SYSTEM AND IS SHOWN FOR REFERENCE ONLY.
  - INTERCOM SYSTEM DEVICES SHOWN ARE TYPICAL. REFER TO FLOOR PLANS FOR ACTUAL QUANTITY AND LOCATIONS OF VIDEO INTERCOM STATIONS AND VIDEO INTERCOM MASTER STATIONS.
  - VS-DVR-1 IS FURNISHED AND INSTALLED AS PART OF THE VIDEO SURVEILLANCE SYSTEM AND IS SHOWN FOR REFERENCE ONLY. REFER TO 2/1503 FOR ADDITIONAL INFORMATION.
  - AC-CP-1 IS FURNISHED AND INSTALLED AS PART OF THE ACCESS CONTROL SYSTEM AND IS SHOWN FOR REFERENCE ONLY. REFER TO 1/1503 FOR ADDITIONAL INFORMATION.
  - IC-CP-1 TO BE PROPERLY BONDED TO NEAREST SC-GND-1 WITH MINIMUM SIZE OF 6 AWG COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR). REFER TO GROUNDING CONDUCTOR SIZING SCHEDULE ON DRAWING 1505 FOR CONDUCTOR SIZING CRITERIA. REFER TO 2/1505 FOR ADDITIONAL INFORMATION.

| TELECOMMUNICATIONS ROOM REFERENCES |                          |
|------------------------------------|--------------------------|
| TELECOM ROOM                       | DETAIL / SHEET REFERENCE |
| SC-HC-1                            | 1/T401                   |

FULLY SPRINKLERED  
CONSTRUCTION DOCUMENTS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|
| <b>CONSULTANTS:</b><br>STRUCTURAL ENGINEER: KPFF CONSULTING ENGINEERS - ST. LOUIS<br>1630 DES PERES RD, SUITE 100<br>SAINT LOUIS, MO 63131<br>MECHANICAL/ELECTRICAL: KJWW ENGINEERING CONSULTANTS - ST. LOUIS<br>#15 SUNNEN DRIVE, SUITE 104<br>ST. LOUIS, MO 63141<br>PLUMBING: 303RD ENGINEERING GROUP, LLC<br>1935 ARSENAL STREET<br>ST. LOUIS, MO 63119<br>ESTIMATING: KWAME BUILDING GROUP<br>1204 WASHINGTON AVE., SUITE 200<br>ST. LOUIS, MO 63103<br>LIFE SAFETY/FIRE PROTECTION: CODE CONSULTANTS, INC.<br>2043 WOODLAND PARKWAY, SUITE 305<br>ST. LOUIS, MO 63146<br>ACOUSTICAL ENGINEERS: ACOUSTICCONTROL LLC<br>1709 WASHINGTON AVENUE, LOFT 300<br>ST. LOUIS, MO 63103<br>COMMISSIONING: ZODIAC INTERNATIONAL<br>16100 CHESTERFIELD PARKWAY, SUITE 365<br>CHESTERFIELD, MO 63017<br>ENVIRONMENTAL: ENVIRONMENTAL CONSULTANTS, LLC<br>#6 MEADOW HEIGHTS PROFESSIONAL PARK DR.<br>COLLINGSVILLE, IL 62234 |  |  |  | <b>ARCHITECT/ENGINEERS:</b><br><b>CHRISTNER</b><br>ARCHITECTS   DESIGNERS   PLANNERS   LANDSCAPE ARCHITECTS<br>168 N MERAMEC, SUITE 400   ST. LOUIS, MISSOURI 63105<br>TEL 314 725 2927   FAX 314 725 2928   CHRISTNERINC.COM<br>THE SEAL (S) AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED, AND WE EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OF PARTS OF THE PROJECT.<br>© COPYRIGHT 2012 CHRISTNER INC. |  |  |  | <b>Drawing Title</b><br><b>TECHNOLOGY RISER DIAGRAMS</b> |  |  |  | <b>Project Title</b><br><b>INTENSIVE CARE UNIT</b> |  |  |  | <b>Project Number</b><br><b>589-330</b> |  |  |  | <b>Office of Construction and Facilities Management</b><br>Department of Veterans Affairs |  |  |  |
| <b>No.</b> <b>Date</b> <b>Revisions</b>  |  |  |  | <b>Location</b><br><b>HARRY S. TRUMAN VAMC</b>   |  |  |  | <b>Building Number</b><br><b>#1</b>                      |  |  |  | <b>Drawing Number</b><br><b>T504</b>               |  |  |  | <b>Dwg. 292 of 296</b>                  |  |  |  |   |  |  |  |
|  |  |  |  | <b>Date</b><br>08/22/2014  |  |  |  | <b>Checked</b><br>MARWIT                                 |  |  |  | <b>Drawn</b><br>DAVLAR                             |  |  |  | <b>Approved</b><br>DAVROU               |  |  |  |   |  |  |  |