

one eighth inch = one foot  
one quarter inch = one foot  
three eighths inch = one foot  
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three quarters inch = one foot  
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ninety six inches = one foot  
ninety seven inches = one foot  
ninety eight inches = one foot  
ninety nine inches = one foot  
one hundred inches = one foot

THIRD FLOOR

SECOND FLOOR

FLOOR SPACE

## 1 NURSE CALL SYSTEM RISER DIAGRAM

NO SCALE

### NOTES:

1. 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.
2. THIS RISER IS DIAGRAMATIC 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.
3. COORDINATE ALL FINAL CABLE REQUIREMENTS WITH MANUFACTURER OF APPROVED NURSE CALL SYSTEM. ALL NURSE CALL SYSTEM CABLEING SHALL BE INSTALLED IN CONDUIT.

### KEYNOTES:

- 1 COORDINATE CONNECTION TO AND INTEGRATION WITH EXISTING NURSE CALL SYSTEM, ALL NECESSARY PROGRAMMING, AND TESTING WITH VA HOSPITAL FACILITY STAFF.
- 2 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.
- 3 DEVICES SHOWN ARE TYPICAL. REFER TO FLOOR PLANS FOR ACTUAL QUANTITY AND LOCATIONS OF SYSTEM DEVICES.
- 4 ONE (1) 24 GAUGE 4-PAIR CATEGORY 5E UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
- 5 ONE (1) 18 AWG 9-PAIR SHIELDED CABLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
- 6 ONE (1) 18 AWG 2-CONDUCTOR CABLE. REFER TO SPECIFICATIONS FOR REQUIREMENTS.
- 7 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.
- 8 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.
- 9 DOME LIGHTS AND DUTY STATIONS MAY NOT BE T-TAPPED. EACH BUSS CIRCUIT CABLE SHALL BE ROUTED TO SERVE AN EQUAL NUMBER OF DEVICES.

## TELECOMMUNICATIONS ROOM REFERENCES

TELECOM ROOM	DETAIL / SHEET REFERENCE
SC-HC-1	1/T401

## CONSULTANTS:

STRUCTURAL ENGINEER:  
KPPF CONSULTING ENGINEERS - ST. LOUIS  
1630 DES PERES RD, SUITE 100  
SAINT LOUIS, MO 63131

MECHANICAL/ELECTRICAL:  
KJWW ENGINEERING CONSULTANTS - ST. LOUIS  
#15 SUNNEN DRIVE, SUITE 104  
ST. LOUIS, MO 63141

PLUMBING:  
303RD ENGINEERING GROUP, LLC  
1935 ARSENAL STREET  
ST. LOUIS, MO 63119

ESTIMATING:  
KWAME BUILDING GROUP  
1204 WASHINGTON AVE. SUITE 200  
ST. LOUIS, MO 63103

LIFE SAFETY/FIRE PROTECTION:  
CODE CONSULTANTS, INC.  
2043 WOODLAND PARKWAY, SUITE 305  
ST. LOUIS, MO 63146

ACOUSTICAL ENGINEERS:  
ACOUSTICCONTROL LLC  
1709 WASHINGTON AVENUE, LOFT 300  
ST. LOUIS, MO 63103

COMMISSIONING:  
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16100 CHESTERFIELD PARKWAY, SUITE 630  
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Drawing Title

TECHNOLOGY RISER DIAGRAMS

DIRECTOR OF SECURITY

INSPECTION CONTROL

FUNCTION

CHIEF ENGINEER

ASSISTANT DIRECTOR

ASSOCIATE DIRECTOR OF

EXTERNAL SERVICES

CHIEF OF STAFF

ASSOCIATE DIRECTOR

MEDICAL CENTER DIRECTOR

Project Title

INTENSIVE CARE UNIT

Location

HARRY S. TRUMAN VAMC

Date

08/22/2014

Checked

MARWIT

Drawn

DAVLAR

Approved

DAVROU

Project Number

589-330

Building Number

#1

Drawing Number

T504

Dwg. 292 of 296

Office of Construction and Facilities Management



Department of Veterans Affairs

FULLY SPRINKLERED  
CONSTRUCTION DOCUMENTS