

## SYSTEMS CABLING SPECIFICATIONS

SYSTEM (APPLICATION)	SHEATH COLOR	RACEWAY COLOR
1. DATA	RED, BLUE	NOT SPECIFIED
2. VOICE	WHITE	NOT SPECIFIED
3. WIRELESS NETWORK	YELLOW	BLUE
4. NURSE CALL SYSTEM	GREEN	GREEN
5. PACS	PURPLE	NOT SPECIFIED

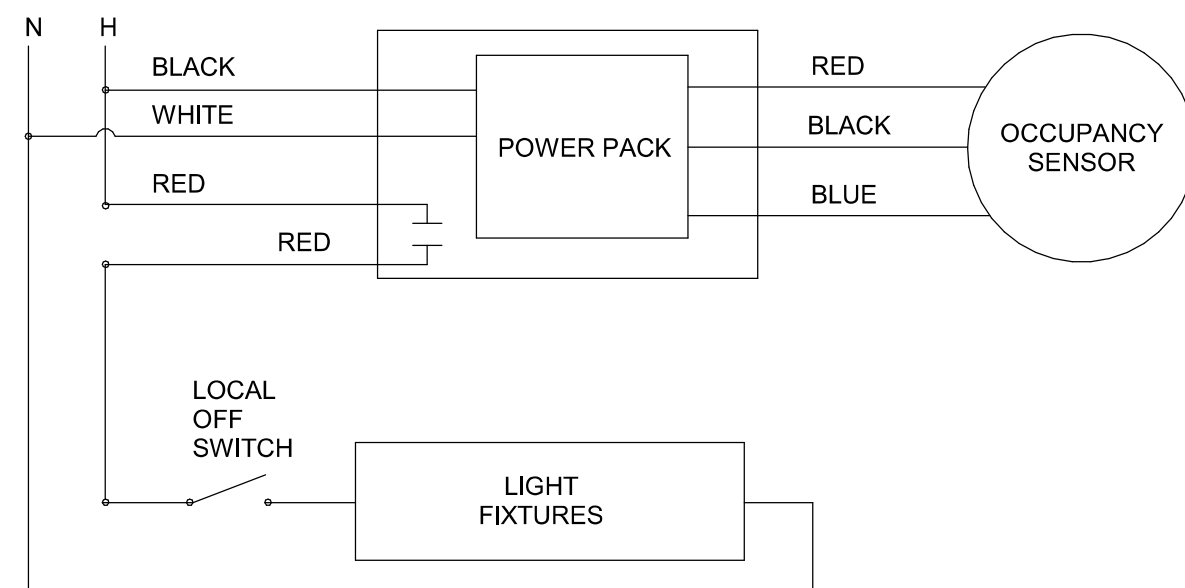
### SYSTEMS CABLING SPECIFICATIONS

- ALL CABLES SHALL BE UNSHIELDED TWISTED 4-PAIR, RATED CAT 6A OR HIGHER.
- ALL DATA CABLES SHALL BE TERMINATED ON CAT 6A RATED PANELS (RJ-45) PER EIA/TIA-568A WIRING CONFIGURATION.
- ALL VOICE CABLES SHALL BE TERMINATED INTO CAT6 110 BLOCKS AND WALL-MOUNTED ONTO RATED PLYWOOD.
- ALL CABLES SHALL BE NUMERICALLY LABELED (MECHANICALLY STENCILED IN BLACK INK (NOT HAND-WRITTEN) ON BOTH ENDS).
- FIBER OPTIC CABLES SHALL BE INSTALLED IN BRIGHT ORANGE INNERDUCT OF THE APPROPRIATE SIZE.
- FIBER SHALL BE TERMINATED USING "LC" TYPE CONNECTORS IN AN ENCLOSED FIBER BOX WITH SERVICE LOOP MOUNTED INTO STANDARD 19" DATA RACK.
- MINIMUM FIBER SPECIFICATION SHALL BE OM3, MULTIMODE, 62.5 MICRON OR 50 MICRON TO MATCH STATION STANDARD AT THE TIME OF CONSTRUCTION. COORDINATE CABLE REQUIREMENTS WITH LOCAL STATION PRIOR TO SUBMITTING SHOP DRAWINGS AND SUBMITTALS. ALL FIBERS SHALL BE TESTED WITH NO FAILURES - 100% PASS WITH TEST REPORTS FURNISHED TO GOVERNMENT.
- ALL MATERIALS SELECTED FOR USE BY THE CONTRACTOR SHALL BE APPROVED BY VA TELECOMMUNICATIONS PERSONNEL PRIOR TO THEIR INSTALLATION. COORDINATE WITH FAYETTEVILLE VAMC IT AND SECURITY POLICE DURING THE PRODUCT SUBMITTAL AND SHOP DRAWING PHASE.
- ALL COPPER CABLES SHALL BE TESTED AND VERIFIED FOR FULL 100MB/1GB TRANSMISSION SPEED AND CONTINUITY WITH TEST RESULTS PROVIDED TO VA OIT FIELD OPERATIONS PERSONNEL.
- ALL WALL JACK LOCATIONS AND LABELING SHALL BE RECORDED ON FINAL RECORD DRAWINGS.
- VERIFY CABLE COLORS WITH THE VA PRIOR TO ORDERING CABLE.
- COORDINATE SHEATH COLOR REQUIREMENTS WITH LOCAL STATION IT SERVICE PRIOR TO SUBMITTING SHOP DRAWINGS AND SUBMITTALS.

## SYSTEMS CABLING SPECIFICATIONS

NO SCALE

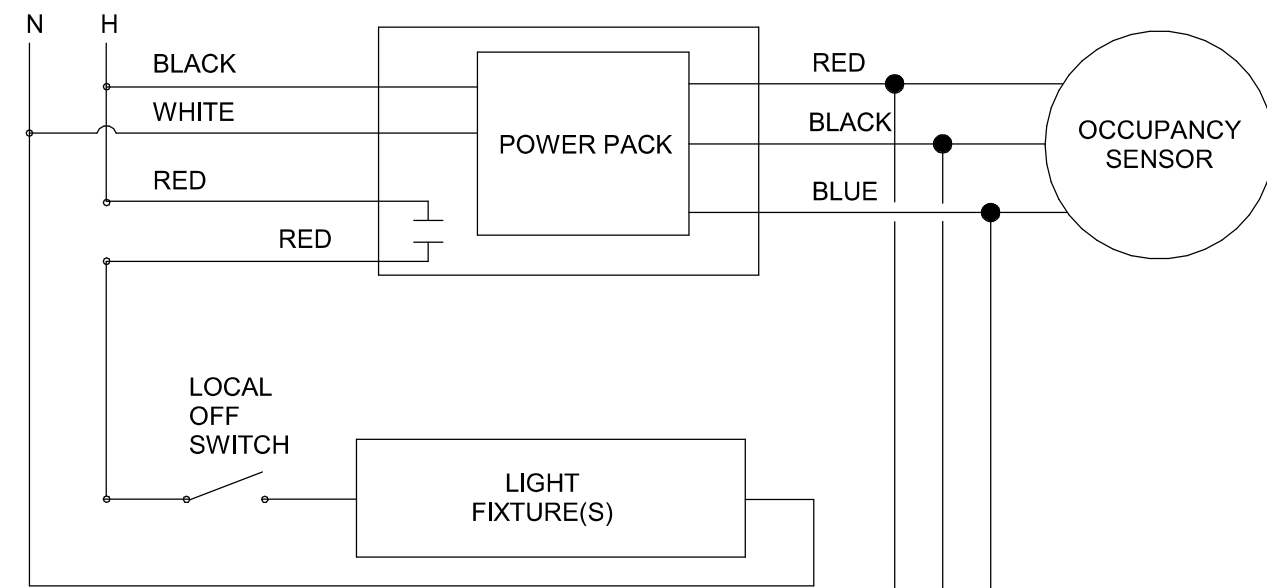
CIRCUIT #1



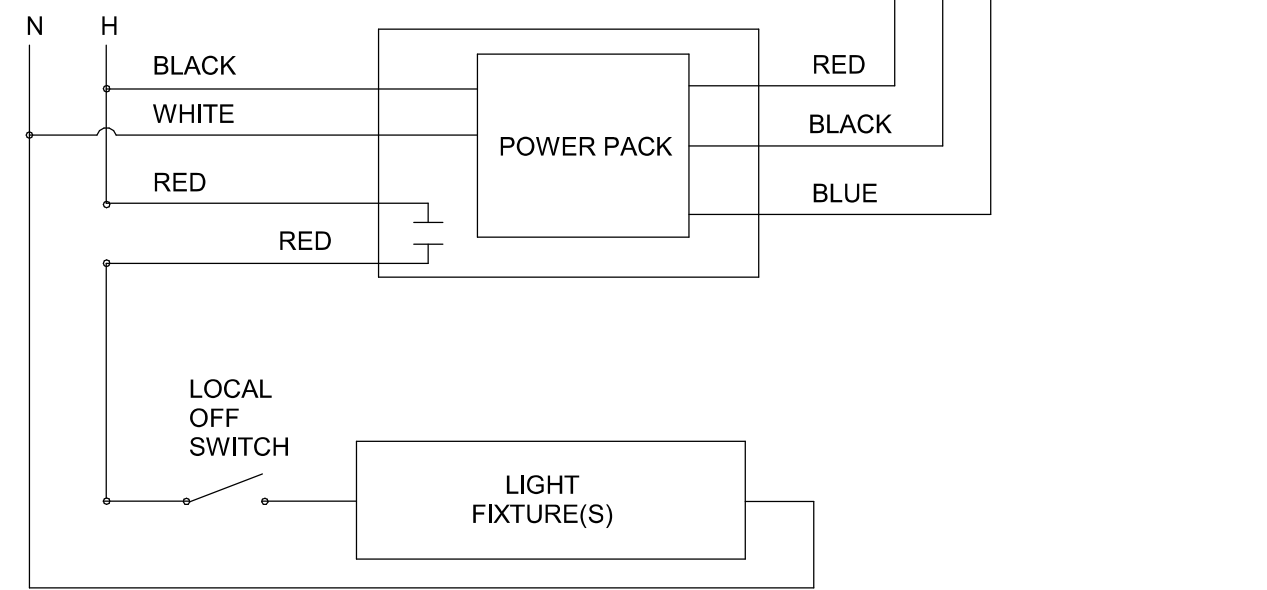
## OCCUPANCY SENSOR WIRING - SINGLE CIRCUIT

NO SCALE

CIRCUIT #1

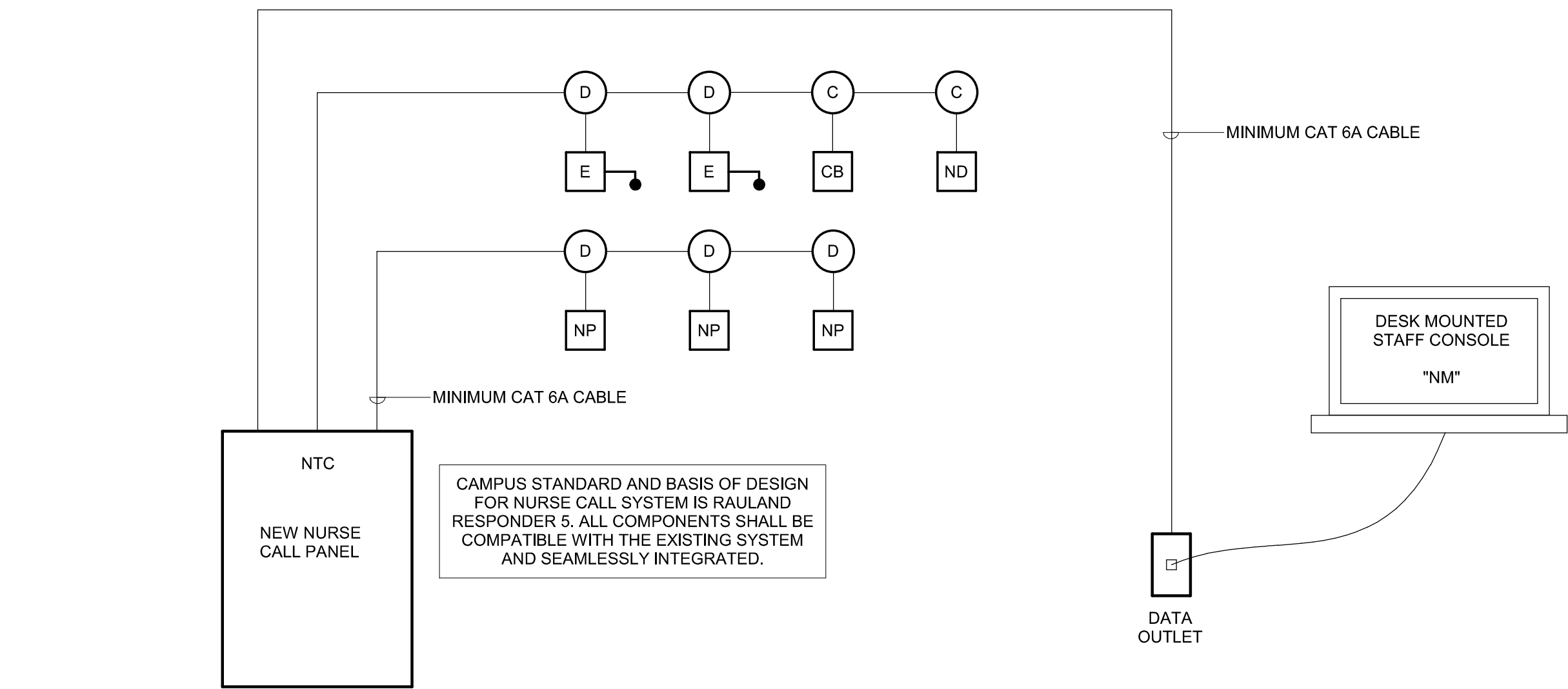


CIRCUIT #2



## OCCUPANCY SENSOR WIRING - TWO CIRCUIT

NO SCALE



### NURSE CALL SYSTEM NOTES

- VERIFY ALL CABLING REQUIREMENTS WITH MANUFACTURER.
- ALL WIRING SHALL BE INSTALLED IN 3/4" CONDUIT (COLOR: GREEN).
- PROVIDE ADEQUATE NUMBER OF CENTRAL LOGIC ADDRESSABLE MODULES AS REQUIRED BY MANUFACTURER IN ORDER TO PROVIDE A COMPLETE SYSTEM.
- SEE PLAN FOR EXACT QUANTITIES OF DEVICES. RISER DIAGRAM INDICATES CONNECTION INTENT ONLY.
- WIRE AND PROGRAM NURSE CALL SO THAT EITHER MASTER STATION IS CAPABLE OF RECEIVING CALLS FROM ANY OF THE NURSE STATIONS.
- NURSE PATIENT STATION SHALL BE INCORPORATED WITH PILLOW SPEAKER.
- NURSE CALL SYSTEM SHALL BE RAULAUD RESPONDER SERIES.
- REFER TO DETAIL D1/EP502 AND LIGHT FIXTURE SCHEDULE FOR PILLOW SPEAKER LIGHTING CONTROL REQUIREMENTS.
- ALL PILLOW SPEAKER, TOILET, SHOWER CABLE CORD AND CABLES SHALL BE BREAKAWAY TYPE.
- NURSE CALL SYSTEM SHALL INCLUDE VOCERA PAGING SYSTEM OPTION. PROVIDE 18 PAGERS FOR THE SYSTEM

### CODE BLUE SYSTEM NOTES:

- CODE BLUE ALARM TO RING AT NURSE'S STATION IN THE AFFECTED AREA AND ALSO SHALL ALERT THE TELEPHONE OPERATOR. NEW CODE BLUE DEVICES SHALL BE NETWORKED WITH EXISTING CODE BLUE SYSTEMS.

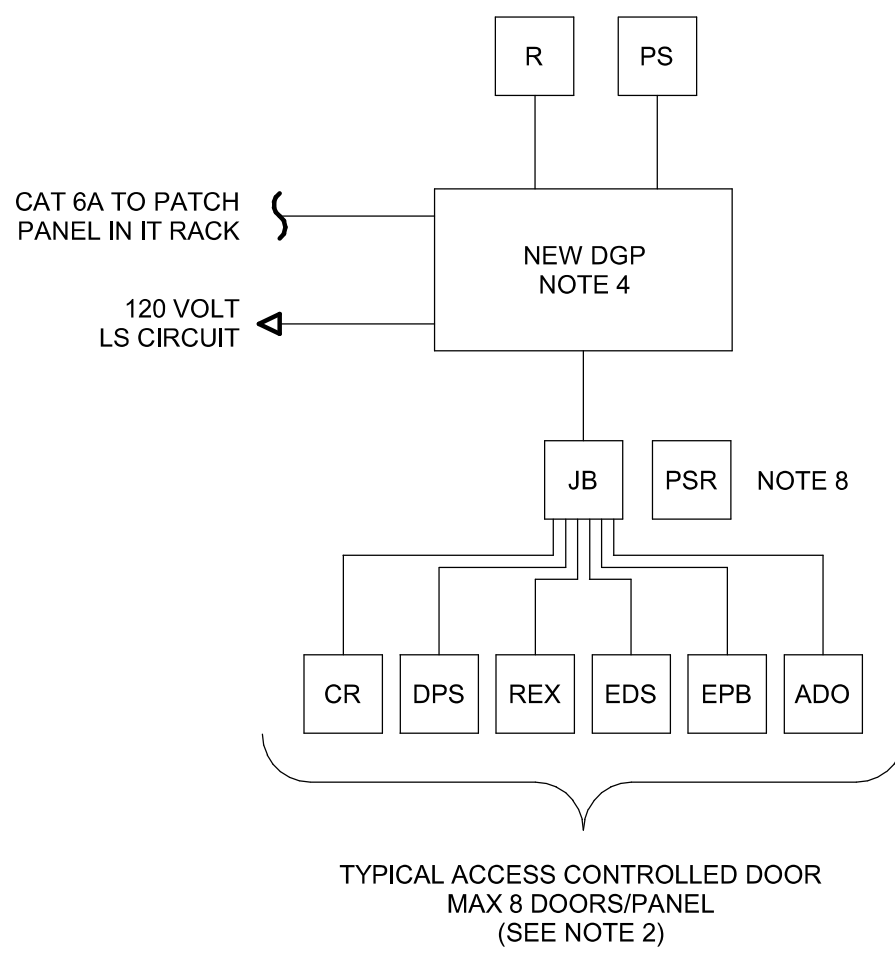
## NURSE CALL RISER

NO SCALE

CAMPUS STANDARD AND BASIS OF DESIGN FOR PACS SYSTEM IS TYCO COURE 9000 SERIES PLATFORM. ALL COMPONENTS SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM AND SEAMLESSLY INTEGRATED.

### NOTES:

- ACCESS CONTROL SYSTEM INSTALLATION SHALL BE CERTIFIED. PACS BASIS OF DESIGN TECHNICIAN WHO SHALL BE PRESENT ONSITE THROUGH INSTALLATION, START-UP, AND TRAINING.
- NOT ALL COMPONENTS USED ON EVERY DOOR. COORDINATE WITH ARCHITECTURAL DOOR HARDWARE SCHEDULE.
- ALL CAT 6 CABLES FOR PACS SHALL BE PLENUM RATED AND OUTER INSULATION JACKET GRAY IN COLOR.
- DATA GATHERING PANELS (DGP) ALSO REFERRED TO AS DOOR CONTROL OR CARD READER CONTROL PANELS ARE PROPRIETARY FOR THIS PROJECT AND SHALL BE TYCO TYCO ISTAR PRO SERIES.
- MULTIPLE DGP MAY BE REQUIRED FOR THIS PROJECT PROVIDE NUMBER REQUIRED TO OPERATE ALL DOORS.
- POWER TO OPERATE LOCKS SHALL ORIGINATE IN DGP THROUGH POWER SUPPLIES AT DGP PANELS.
- FIRE ALARM CONTRACTOR SHALL PROVIDE ONE CONTROL RELAY PER SECURITY SYSTEM CONTROL PANEL TO INITIATE DOOR RELEASE IN THE EVENT OF AN ALARM.
- PROVIDE REMOTE POWER SUPPLIES FOR SPECIAL DOOR LOCKING OPERATIONS. EXTEND 120 V POWER FROM CONTROL PANEL TO REMOTE POWER SUPPLIES.
- REFER TO THE "SECURITY DOOR HARDWARE AND ACCESS CONTROL MATRIX THIS SHEET FOR ADDITIONAL INFORMATION
- NO MAG LOCKS

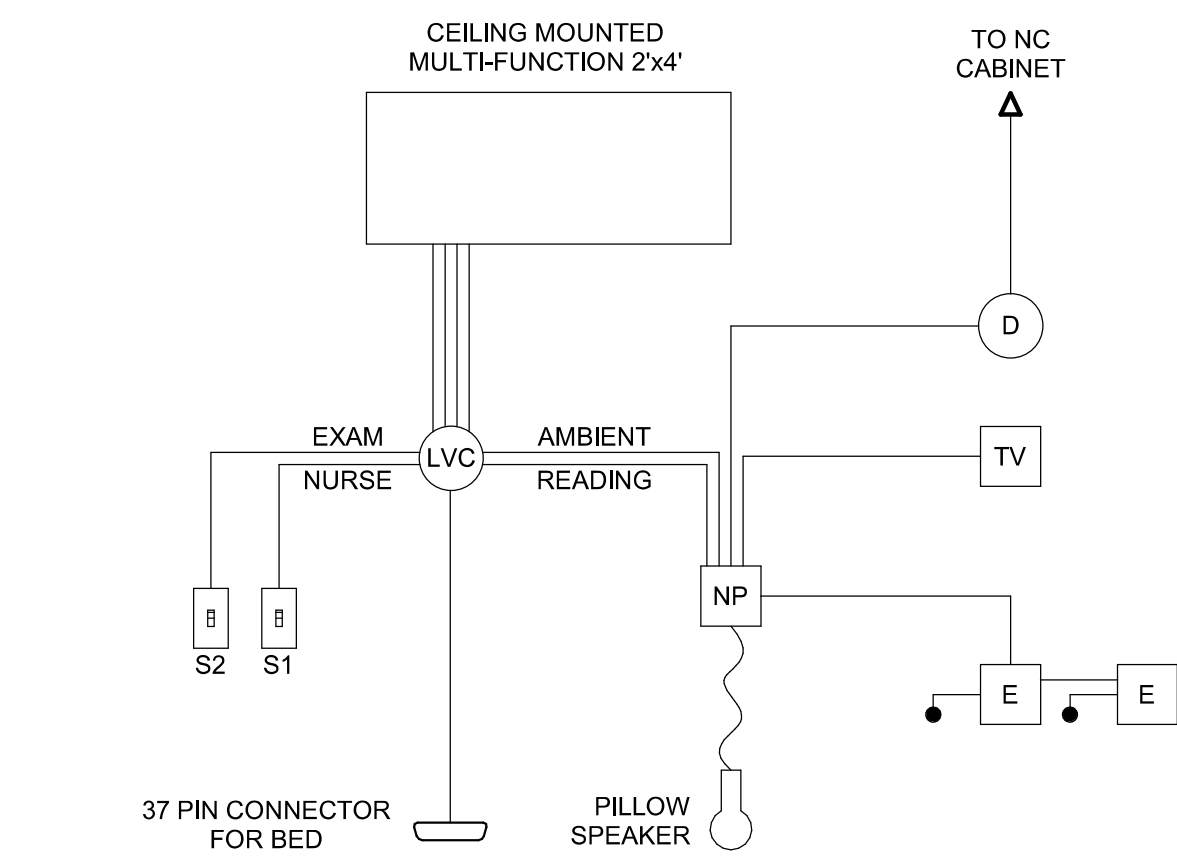


### LEGEND

ADO	AUTOMATIC DOOR OPENER	REX	REQUEST TO EXIT MOTION SENSOR
CR	CARD READER	PS	POWER SUPPLY
DPS	DOOR POSITION SWITCH	R	FIRE ALARM RELAY
EDS	ELECTRIC DOOR STRIKE	PSR	REMOTE POWER SUPPLY / RELAY
EPB	EXIT PUSH BUTTON	DGP	DATA GATHERING PANEL

## ACCESS CONTROL SYSTEM RISER

NO SCALE



### NOTES:

- THE TERMS PATIENT WALL SYSTEM AND HEADWALL ARE SYNONYMOUS WITH ONE ANOTHER AND ARE USED INTERCHANGEABLY.
- HEADWALL ASSEMBLY AND DEVICES FURNISHED BY GC, WITH EXCEPTION OF NURSE CALL.
- VERIFY ARRANGEMENT AND MOUNTING LOCATIONS WITH ARCHITECTURAL ELEVATIONS.
- COORDINATE WITH THE NURSE CALL EQUIPMENT SUPPLIER TO PROVIDE RELAYS AND SWITCH CONTROL WIRING TO INTERFACE LIGHTING CONTROLS WITH PATIENT NURSE CALL SYSTEM AND PILLOW SPEAKERS. LOW VOLTAGE SWITCHES IN HEAD WALL COMPATIBLE WITH RELAY SYSTEM.

## TYPICAL PATIENT HEADWALL WIRING DIAGRAM

NO SCALE

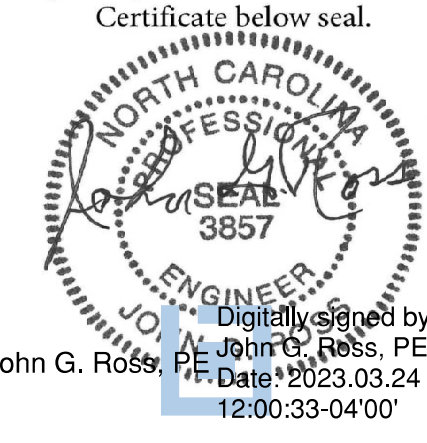
Revisions:		
No.	Description	Date

### CONSULTANTS:



8701 RED OAK BLVD, SUITE 500  
CHARLOTTE, NC 28217  
PHONE: 704.522.0405  
WWW.BRITTPETERS.COM

Digital Signature not valid without Certificate below seal.



### ARCHITECT / ENGINEERS:



8016 TOWER POINT DRIVE  
CHARLOTTE, NC 28227  
P 704.814.1320  
F 704.321.0833  
HDP PROJECT: 18002  
COPYRIGHT © 2021

Drawing Title:

ELECTRICAL DETAILS

Project Phase:

BID DOCUMENTS

FULLY SPRINKLERED

Project Title:

RENOVATE MED SURGE  
WARDS

Location:

VETERANS HEALTHCARE SYSTEM  
OF THE OZARKS

Date:

MARCH 24, 2024

Checked:

LEH

Drawn:

CSR

Project Number:

564-17-140

Building Number:

1

Drawing Number:

EE502

Sheet 157 of 162

Engineering  
Service



VA U.S. Department  
of Veterans Affairs