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State of Utah
Department of Administrative Services

 **Division of Facilities**
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UTAH STATE VETERAN'S NURSING HOME NURSE CALL UPGRADE — DFCM#08045490

700 FOOTHILL DRIVE
SALT LAKE CITY, UT 84113



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UTAH STATE VETERAN'S NURSING HOME

**NURSE CALL UPGRADE
DFCM #08045490**

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MARK	DATE	DESCRIPTION
ISSUE	CONSTRUCTION DOCUMENTS	
DATE	2009-03-12	

PROJECT NO:	20080374
DRAWN BY:	WRT
CHECKED BY:	RPN
DESIGNED BY:	RPN
RECORD DRAWING DATE:	

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SHEET TITLE
COVER SHEET

EE001

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SYMBOL LEGEND	
SYMBOL	DESCRIPTION
NURSE CALL	
⊙	JUNCTION BOX.
⌒	CORRIDOR LIGHT.
Ⓚ	BATHROOM PULL CORD STATION.
Ⓛ	DUTY STATION.
Ⓛ CB	EMERGENCY CODE BLUE CALL STATION.
Ⓛ P	PATIENT STATION.
Ⓛ P ₂	DUAL PATIENT STATION.
Ⓛ S	STAFF REGISTRATION STATION.
Ⓛ NCM	TOUCH SCREEN NURSE CALL MASTER STATION.
Ⓛ ACU	NURSE CALL AREA CONTROL UNIT & POWER SUPPLIES.
Ⓛ ACU	EXISTING NURSECALL PANELS.
Ⓛ TV	TV OUTLET CONTROL PLATE (EXISTING).
WIRELESS PHONE/LAN SYSTEM	
Ⓛ AP	ACCESS POINT/BASE STATION.
Ⓛ X	DATA PORT/CABLE SUBSCRIPT DENOTE NUMBER.
Ⓛ	EQUIPMENT RACK.

ABBREVIATIONS			
NOTE: ALL ABBREVIATIONS MAY NOT BE USED.			
1P	SINGLE POLE	KV	KILOVOLT
1PH	SINGLE-PHASE	KVA	KILOVOLT AMPERE
1WAY	TWO-CONDUCTOR	KVAR	KILOVOLT AMPERE REACTIVE
2/C	TWO-WAY	KW	KILOWATT
3/C	THREE-CONDUCTOR	KWH	KILOWATT HOUR
3PH	THREE-PHASE	LED	LIGHT EMITTING DIODE
3WAY	THREE-WAY	LFCM	LIQUID TIGHT FLEXIBLE METAL CONDUIT
4OUT	QUADRIPOLE RECEPTACLE OUTLET	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
4PDT	FOUR-POLE DOUBLE THROW	LPS	LOW PRESSURE SODIUM
4PST	FOUR-POLE SINGLE THROW	LRA	LOCKED ROTOR AMPS
4W	FOUR-WIRE	LTG	LIGHTING
4WAY	FOUR-WAY	LV	LOW VOLTAGE
A	ABOVE COUNTER	LV	MASTER ANTENNA TELEVISION SYSTEM
ADA	ARMORED CABLE	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MC	METAL CLAD
ADJ	ADJACENT	MCA	MINIMUM CIRCUIT AMPS
AF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MCP	MOTOR CIRCUIT PROTECTION
ALUM	ALUMINUM	MCP	MAIN DISTRIBUTION PANEL
AMP	AMPERE	MG	MOTOR GENERATOR
ANN	ANNUNCIATOR	MH	MANHOLE
AP	ACCESS POINT (WIRELESS DATA) AS REQUIRED	MIN	MINIMUM
ASC	AMPS SHORT CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	NA	NOT APPLICABLE
AV	AUDIO VISUAL	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAGE	NEC	NATIONAL ELECTRICAL CODE
BB XFMR	BUCK-BOOST TRANSFORMER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
C	CEILING MOUNTED TELEVISION	NFC	NATIONAL FIRE CODE
CATV	COMMUNITY ANTENNA TELEVISION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NL	NIGHT LIGHT
CCTV	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	NTS	NOT TO SCALE
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	OC	OVER CURRENT
CF/OI	CONTRACTOR FURNISHED/OWNER INSTALLED	OC	OVER CURRENT PROTECTION
CKT	CIRCUIT	OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
CM	CONSTRUCTION MANAGER	OF/OI	OWNER FURNISHED/OWNER INSTALLED
CND	CONDUIT	OF	OWNER INSTALLED
COR	CONVENIENCE OUTLET	OH DR	OVERHEAD (COILING) DOOR
CP	CONTRACTING OFFICER'S REPRESENTATIVE	OL	OVERLOAD
CT	CONTROL PANEL	PB	PUSHBUTTON
CTV	CURRENT TRANSFORMER	PF	POWER FACTOR
CU	CABLE TELEVISION	PH	PHASE
CW	COPPER	POE	POWER OVER ETHERNET
DBA	UNIT OF SOUND LEVEL	PNL	PANEL
DPDT	DOUBLE POLE DOUBLE THROW	PT	POTENTIAL TRANSFORMER
DS	DISCONNECT SWITCH	PTZ	PAN/TILT/ZOOM
EA	EACH	QTY	QUANTITY
EM	EMERGENCY	R	REMOVE
EMT	ELECTRICAL METALLIC TUBING	RCP	REFLECTED CEILING PLAN
ENT	ELECTRICAL NONMETALLIC TUBING	RMC	RIGID METAL CONDUIT
EPO	EMERGENCY POWER OFF EQUIPMENT	RNC	RIGID NONMETALLIC CONDUIT
EX	EXISTING	RPM	REVOLUTIONS PER MINUTE
FA	FIRE ALARM	RR	REMOVE AND RELOCATE
FCA	FIRE ALARM CONTROL PANEL	SCA	SHORT CIRCUIT AMPS
FLA	FULL LOAD AMPS	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
FMC	FLEXIBLE METALCONDUIT	SF	STANDARD FINISH AS SELECTED BY ARCHITECT
FDB	FREIGHT ON BOARD	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FWR	FULL VOLTAGE NON-REVERSING FULL VOLTAGE REVERSING	SPDT	SINGLE POLE, DOUBLE THROW
FVR	GROUND GENERATOR	SPEC	SPECIFICATION
GEN	GENERATOR	SPST	SINGLE POLE, SINGLE THROW
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	S/S	START/STOP
GFP	GROUND FAULT PROTECTION	ST	SINGLE THROW
HD	HEAVY DUTY	SWBD	SWITCHBOARD
HID	HIGH INTENSITY DISCHARGE	SWGR	SWITCHGEAR
HOA	HAND-OFF-AUTOMATIC	TL	TELEPHONE POLE
HP	HORSE POWER	TP	TWISTED PAIR
HPF	HIGH POWER FACTOR	TTB	TELEPHONE TERMINAL BOARD
HPS	HIGH PRESSURE SODIUM	TV	TELEVISION
HV	HIGH VOLTAGE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HZ	HERTZ	TYP	TYPICAL
IG	ISOLATED GROUND	UF	UNDERFLOOR
IMC	INTERMEDIATE METAL CONDUIT	UGND	UNDERGROUND
IN/IS	INSULATED/ISOLATED	UPS	UNINTERRUPTIBLE POWER SUPPLY
I/O	INPUT/OUTPUT	V	VOLTS
IR	INFRARED	VA	VOLT AMPERE
J-BOX	JUNCTION BOX	VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
		W/	WITH
		W/O	WITHOUT
		WP	WEATHERPROOF
		XFMR	TRANSFORMER

DEFINITIONS
NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", "AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

ELECTRICAL SHEET INDEX	
SHEET NO	SHEET TITLE
EE001	COVER SHEET
EE002	SYMBOLS, SHEET INDEX, AND GENERAL NOTES
EY101	UPPER LEVEL NURSE CALL UPGRADE PLAN "A"
EY102	UPPER LEVEL NURSE CALL UPGRADE PLAN "B"
EY103	LOWER LEVEL NURSE CALL UPGRADE PLAN
EY601	NURSE CALL SINGLE LINE DIAGRAM AND SCHEDULES
EY602	WIRELESS SINGLE LINE DIAGRAM AND DETAILS

GENERAL ELECTRICAL NOTES

- CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
 - THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
 - THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
 - THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE SUBMITTALS IN THREE RING BINDERS WITH JOB NAME, SUBCONTRACTOR, AND VOLUME ON THE BINDING. PREPARE TABS FOR EACH SPECIFICATION SECTION REQUIRING SUBMITTALS. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

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UTAH STATE VETERAN'S NURSING HOME

NURSE CALL UPGRADE DFCM #08045490

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MARK	DATE	DESCRIPTION
ISSUE	CONSTRUCTION DOCUMENTS	
DATE	2009-03-12	
PROJECT NO:	20080374	
DRAWN BY:	WRT	
CHECKED BY:	RPN	
DESIGNED BY:	RPN	
RECORD DRAWING DATE:		
SIGNATURE:		
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SHEET TITLE	SYMBOLS, SHEET INDEX, AND GENERAL NOTES	
EE002		

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GENERAL SHEET NOTES

1. REPLACE EXISTING NURSE CALL DEVICES INDICATED (ALL DEVICE LOCATIONS SHOWN ARE EXISTING UNLESS NOTED). REPLACE EXISTING WIRING AND LOCATE NEW CONTROL PANELS AND POWER SUPPLIES AS REQUIRED WHERE INDICATED.
2. PROVIDE ALTERNATE LOCATION PRICE FOR WIRELESS PHONE SYSTEM AS LOCATED (ALT #1).
3. PROVIDE ALTERNATE PRICE FOR WIRELESS LAN SYSTEM AS INDICATED.
4. PROVIDE 120V CONNECTIONS TO EXISTING CIRCUIT BREAKER AS REQUIRED. COORDINATE WITH OWNER AND ENGINEER.

SHEET KEYNOTES

1. REMOVE EXISTING ABANDONED TV DISTRIBUTION CABINET AND DELIVER TO OWNER. INSTALL NEW NURSE CALL CABINET IN REMOVED CABINET SPACE.
2. MAINTAIN EXISTING CORRIDOR LIGHT CONNECTION TO EXISTING RESIDENT ROOM SMOKE DETECTOR.
3. REPLACE EXISTING UPS WITH NEW WALL MOUNTED UNIT SIZED FOR NEW SYSTEM PLUS 20% SMOKE CAPACITY. DELIVER OLD UPS UNIT TO OWNER.
4. PROVIDE NEW BOX AND .75" CONDUIT STUB TO ACCESSIBLE CEILING FOR INDICATED DEVICE.
5. REUSE EXISTING TV CONTROL CONNECTOR WITH NEW CONNECTOR AND PATCH CORD TO TV FOR UP/DOWN TV CHANNEL CONTROL.
6. COORDINATE RACK LOCATION AND EXISTING LAN SWITCH AND PBX LOCATIONS WITH OWNER.
7. ACCESS POINT FOR ALTERNATE #1.
8. ACCESS POINT FOR ALTERNATE #2.

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SHEET TITLE
UPPER LEVEL NURSE CALL UPGRADE PLAN "A"

EY101



(A1) UPPER LEVEL NURSE CALL UPGRADE PLAN "A"
SCALE: 1/8"=1'-0"

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- GENERAL SHEET NOTES**
1. REPLACE EXISTING NURSE CALL DEVICES INDICATED (ALL DEVICE LOCATIONS SHOWN ARE EXISTING UNLESS NOTED). REPLACE EXISTING WIRING AND LOCATE NEW CONTROL PANELS AND POWER SUPPLIES AS REQUIRED WHERE INDICATED.
 2. PROVIDE ALTERNATE LOCATION PRICE FOR WIRELESS PHONE SYSTEM AS LOCATED (ALT #1).
 3. PROVIDE ALTERNATE PRICE FOR WIRELESS LAN SYSTEM AS INDICATED.
 4. PROVIDE 120V CONNECTIONS TO EXISTING CIRCUIT BREAKER AS REQUIRED. COORDINATE WITH OWNER AND ENGINEER.

- SHEET KEYNOTES**
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SHEET TITLE		
UPPER LEVEL NURSE CALL UPGRADE PLAN "B"		

(A1) UPPER LEVEL NURSE CALL UPGRADE PLAN "B"
 SCALE: 1/8"=1'-0"

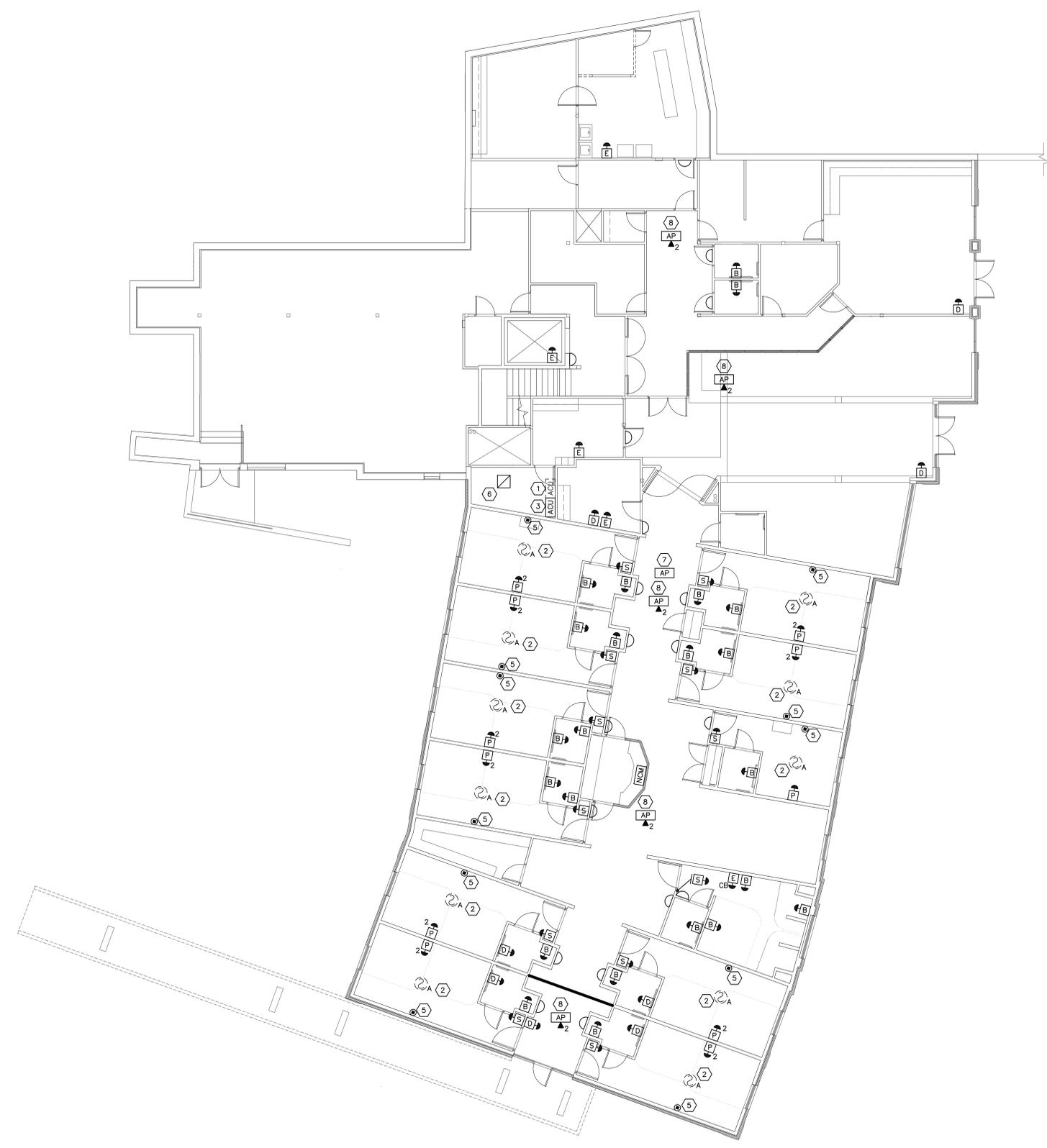
EY102

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GENERAL SHEET NOTES

1. REPLACE EXISTING NURSE CALL DEVICES INDICATED (ALL DEVICE LOCATIONS SHOWN ARE EXISTING UNLESS NOTED). REPLACE EXISTING WIRING AND LOCATE NEW CONTROL PANELS AND POWER SUPPLIES AS REQUIRED WHERE INDICATED.
2. PROVIDE ALTERNATE LOCATION PRICE FOR WIRELESS PHONE SYSTEM AS INDICATED (ALT #1).
3. PROVIDE ALTERNATE PRICE FOR WIRELESS LAN SYSTEM AS INDICATED (ALT #2).
4. PROVIDE 120V CONNECTIONS TO EXISTING CIRCUIT BREAKER AS REQUIRED. COORDINATE WITH OWNER AND ENGINEER.

SHEET KEYNOTES

1. REMOVE EXISTING ABANDONED TV DISTRIBUTION CABINET AND DELIVER TO OWNER. INSTALL NEW NURSE CALL CABINET IN REMOVED CABINET SPACE.
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 CHECKED BY: RPN
 DESIGNED BY: RPN
 RECORD DRAWING DATE:

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SHEET TITLE
 LOWER LEVEL NURSE CALL UPGRADE PLAN

EY103

(A1) LOWER LEVEL NURSE CALL UPGRADE PLAN
 SCALE: 1/8"=1'-0"

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NURSE CALL DEVICE SCHEDULE				
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	BOXES	INSTRUCTIONS
NCM	NURSE CALL MASTER	DESK TOP, RECEPTACLE AT 18" *	1-GANG	PROVIDE .75" C TO ACC CEILING
ACU	AREA CONTROL UNIT AND POWER SUPPLIES	72"	A/R	PROVIDE RACEWAYS AS REQUIRED
D	DUTY STATION	54"	3-GANG DEEP	PROVIDE .75" C TO CABLE TRAY
P	PATIENT STATION WITH CALL CORD	54"	3-GANG DEEP	PROVIDE .75" C FROM PATIENT STATION TO DOME LIGHT
E	EMERGENCY CALL BUTTON	54"	1-GANG	PROVIDE .75" C TO ACC CEILING
B	BATH STATION	36"	1-GANG	PROVIDE .75" C TO ACC CEILING
	SERVER RACK			
J-BOX	J-BOX	6" ABOVE DOOR OR ON CEILING	1-GANG	PROVIDE .75" C TO CORRIDOR CABLE TRAY

* COORDINATE LOCATION WITH FURNITURE.

CABLE TYPE LEGEND		
SYMBOL	DESCRIPTION (NON-PLENUM)	ACCEPTABLE TYPES
A	10 CONDUCTOR, 22 AWG, SHIELDED PAIR	WEST PENN 2010
B	4 PAIR, CAT 5 DATA CABLE	CATEGORY 5
C	4 PAIR, CAT 5 DATA CABLE	CATEGORY 5
D	FLAT, 6 CONDUCTOR	WEST PENN 37123
E	FLAT, 8 CONDUCTOR	WEST PENN 37127
F	20 AWG, SHIELDED PAIR	WEST PENN 292
G	2 CONDUCTOR, 22 AWG	WEST PENN 221
H	2 CONDUCTOR, 12 AWG	WEST PENN 227
I	2 CONDUCTOR, 16 AWG	WEST PENN 225
J	3 CONDUCTOR, 16 AWG	WEST PENN 235
K	2 CONDUCTOR, 18 AWG	WEST PENN 224
L	4 CONDUCTOR, 22 AWG	WEST PENN 241
M	2 PAIR, 22 AWG, SOLID	WEST PENN 251
N	8 CONDUCTOR, 22 AWG	WEST PENN 271
O	10 CONDUCTOR, 22 AWG	WEST PENN 272
P	RG-59, COAXIAL	WEST PENN 843
Q	RG-6, COAXIAL	WEST PENN 841
R	22 AWG, SHIELDED PAIR	WEST PENN 291
S	3 CONDUCTOR, 22 AWG, SHIELDED	WEST PENN 301
U	4 INDIVIDUAL SHIELDED PAIR, 22 AWG	WEST PENN 439
V	7 CONDUCTOR, 20 AWG	WEST PENN 263

* SAMPLE ONLY. PROVIDE MANUFACTURER'S RECOMMENDED CABLES AND PROVIDE LEGEND ON SHOP DRAWINGS.

GENERAL SHEET NOTES

1. PROVIDE DEVICES AS INDICATED ON FLOOR PLANS AND PROVIDE CABLES AS REQUIRED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. REFER TO SCHEDULE, AND 13750 FOR ADDITIONAL REQUIREMENTS.
2. COMPLETE AREA CONTROL UNIT ROOM-NUMBER PROGRAMMING WORK SHEET AND COORDINATE WITH HEAD OF STAFF IN EACH AREA BEFORE PROGRAMMING AREA CONTROL UNIT.
3. UTILIZE EXISTING CABLE TRAY AND EXISTING RACEWAYS WHERE POSSIBLE.
4. REFER TO CABLE TYPE SCHEDULE AND RUNS ON SHOP DRAWING FLOOR PLANS.
5. NURSE CALL SINGLE LINE DIAGRAM WIRING IS INDICATED AS AN EXAMPLE OF TYPICAL WIRING ONLY. PROVIDE WIRING PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

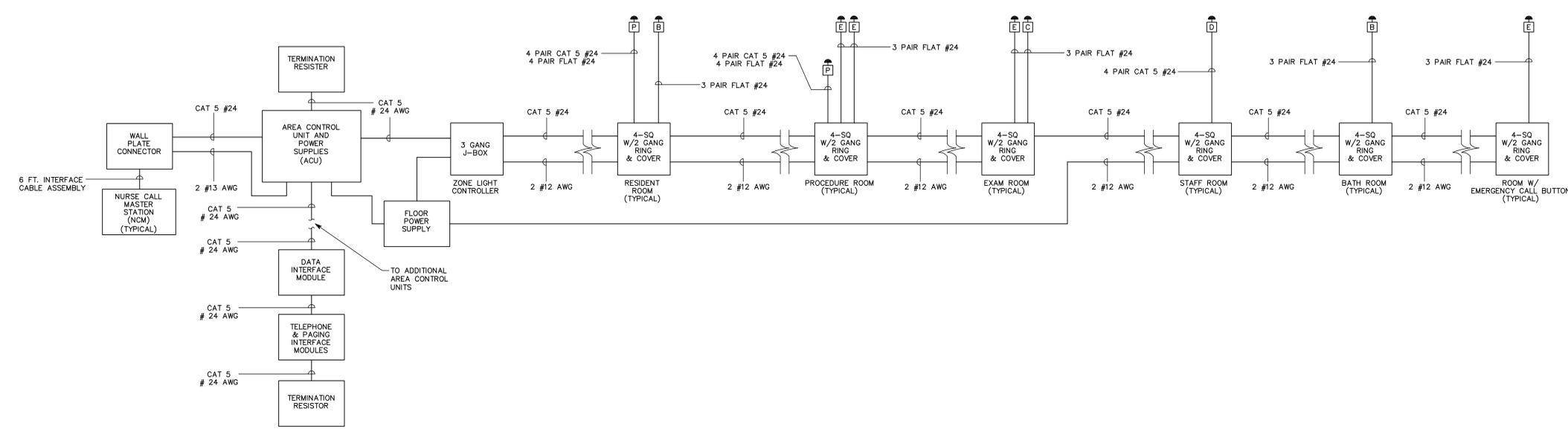
State of Utah
Department of Administrative Services
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UTAH STATE VETERAN'S NURSING HOME

NURSE CALL UPGRADE
DFCM
#08045490



(A1) NURSE CALL SINGLE LINE DIAGRAM (TYPICAL)
N.T.S.

MARK	DATE	DESCRIPTION
5		
4		
3		
2		
1		

ISSUE DATE	CONSTRUCTION DOCUMENTS DATE
	2009-03-12

PROJECT NO:	20080374
DRAWN BY:	WRT
CHECKED BY:	RPN
DESIGNED BY:	RPN
RECORD DRAWING DATE:	
SIGNATURE:	
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SHEET TITLE	NURSE CALL SINGLE-LINE DIAGRAM AND SCHEDULES
EY601	

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E
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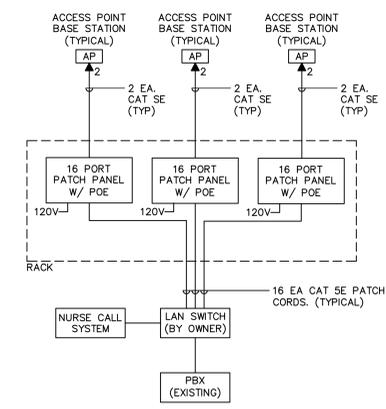
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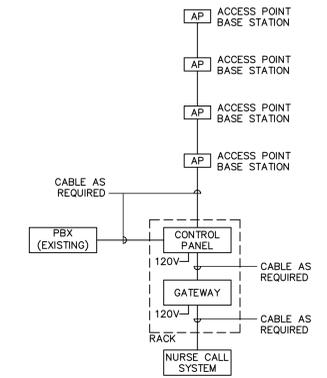


UTAH STATE VETERAN'S NURSING HOME
NURSE CALL UPGRADE DFCM #08045490



- NOTE:
1. PROVIDE ALTERNATE PRICE FOR WIRELESS LAN BASE STATION AS INDICATED ON PLANS FOR WIRELESS PHONES AND OTHER IEEE 802.11b/g/e/i DEVICES AS INDICATED ON DRAWINGS.
 2. PROVIDE NEW CAT 5e CABLE AS INDICATED.
 3. COORDINATE CONNECTIONS AND SET-UP OF WIRELESS LAN TO LAN SWITCH AND PBX WITH OWNER.
 4. PROVIDE 16 EA. WIRELESS PHONES WITH RACK TYPE CHARGES FOR EACH PHONE.
 5. WIRELESS PHONES SHALL BE FULLY INTEGRATED TO NURSE CALL SYSTEM TO PROVIDE VOICE COMMUNICATIONS, MESSAGING, AND CALL ANNUNCIATION.
 6. COORDINATE WIRELESS LAN SECURITY WITH OWNER.

(C4) WIRELESS LAN (ALT.2) SINGLE LINE DIAGRAM
N.T.S.



- NOTE:
1. PROVIDE ALTERNATE PRICE FOR WIRELESS TELEPHONE SYSTEM AND WIRELESS PHONES AS INDICATED ON DRAWINGS.
 2. PROVIDE CABLES AS REQUIRED PER MANUFACTURERS WRITTEN INSTRUCTIONS.
 3. COORDINATE CONNECTIONS AND SETUP OF WIRELESS PHONE SYSTEM TO PBX WITH OWNER.
 4. PROVIDE 16 EA. WIRELESS PHONES WITH RACK TYPE CHARGES FOR EACH PHONE.
 5. WIRELESS PHONES SHALL BE FULLY INTEGRATED TO NURSE CALL SYSTEM TO PROVIDE VOICE COMMUNICATIONS, MESSAGING, AND CALL ANNUNCIATION.

(A1) WIRELESS TELEPHONE SYSTEM (ALT. 1) SINGLE LINE DIAGRAM
N.T.S.

5		
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MARK	DATE	DESCRIPTION
ISSUE CONSTRUCTION DOCUMENTS		
DATE	2009-03-12	
PROJECT NO: 20080374		
DRAWN BY: WRT		
CHECKED BY: RPN		
DESIGNED BY: RPN		
RECORD DRAWING DATE:		
SIGNATURE:		
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SHEET TITLE		
WIRELESS SINGLE-LINE DIAGRAMS AND DETAILS		

EY602

1 2 3 4 5 6