Element D | Services

Electrical | D5034 Nurse Call / Communication Systems

PART 1 - GENERAL

1.01 OVERVIEW

A. This Section includes design criteria for developing technical specifications on nurse call / communication systems.

B. The general purpose of this Design Guideline Element is to provide minimum criteria for nurse call / communication systems design at MD Anderson facilities regarding application for in-patient, diagnostic imaging, outpatient clinics, and surgery areas that are code compliant and uniform.

PART 2 - GENERAL DESIGN CRITERIA

2.01 GENERAL

A. To protect the health and safety of patients, visitors, students, faculty and staff, all installation must be in accordance with:

1. NFPA 99, Standard for Health Care Facilities 2015 Edition

2. Hospital Licensing State Regulations and Facility Guidelines Institute (FGI) 2014 Edition - Guidelines for Design and Construction of Health Care Facilities

3. Texas Administrative Code Chapter 133, Hospital Licensing

4. UL 1069 Hospital Signaling and Nurse Call Equipment compliant and Electronics Institute of America (EIA) Standards.

B. Power for the nurse call / communication systems shall be provided from the critical branch of the electrical emergency system, which is connected to alternate power sources by one or more automatic transfer switches during interruption of normal power.

C. There shall be no interconnection between the nurse call / communication systems and the fire alarm system.

D. There shall be no interconnection between the nurse call / communication systems and an intercom system.

E. Public toilet rooms (those that are labeled as such or those not labeled as patient toilet rooms) shall not have bathroom pull station. There are some exceptions, which must be determined in writing by the operating department and Clinical Engineering, in advance.

F. All LAN cable runs shall comply with Master Construction Specification Sections 27 13 00 and 27 15 00 for communications cabling.

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G. For outpatient Clinics the following factors determined if a Nurse Call system is required:

1. Condition #1, If the patient is under general anesthesia, conscious sedation or other factors that affect the patient's ability to care for their wellbeing and be in control of their mobility as a need may occur then Nurse Call is required.

2. Condition #2, Code does not require general care outpatient Clinics to have nurse call / communications systems.

3. Condition #3, however each operational unit _must evaluate their procedures and effect on their patient's safety,_ this is the final determination of needing a Nurse Call system. CAUTION: each operational unit must be consistent in having a Nurse Call system or not at all, <u>there may not be a "mix" within their operational area</u>.

PART 3 - DESIGN CRITERIA FOR OUTPATIENT AND SURGERY AREAS

3.01 GENERAL

A. Effectiveness of Alarms:

1. In areas where the nursing staff is unable to see the zone light or hear the audible alarm, consideration must be made to add audible annunciators at each of the zone lights. This consideration must be reviewed with the Manager / Director that is responsible for the department.

3.02 NURSE REGULAR CALL SYSTEM (PATIENT STATION)

A. A nurse regular call system is intended for routine communication between each patient and the nursing staff. Activation of the system at a patient's station will sound a repeating (every 20 seconds) audible signal at the nurse station, indicate type and location of call on the system monitor, and activate a distinct visual signal in the dome light outside the patient room door.

B. In multi-corridor nursing units, additional zone lights shall be installed at corridor intersections to act as a guide to the alarm location. Zone lights are also used to facilitate / guide Code Blue and Merit teams from floor and unit entrance points to the originating alarm location.

C. The audible signal shall be canceled and two-way voice communication between the patient room and the nursing staff shall be established at the unit's nursing station when the nursing staff answers the call. The visual signal(s) in the corridor shall be canceled upon termination of the call. An alarm shall activate at the nurses' station when the call cable or pillow speaker is unplugged, where installed.

D. Nurse regular call stations will be provided at:

1. All patient bed locations.

2. Some examination / treatment rooms, as required by the Project Facility program or Pre-Design Report.

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E. Nurse call "Cancelation" buttons will be placed at the entrance of each patient room in Alkek and Lutheran In-Patient rooms, in addition to the "Cancellation" button on the patient station on the headwall.

3.03 NURSE EMERGENCY CALL SYSTEM (PULL / BATH / LAVATORY STATION)

A. A nurse emergency call system is intended for patients to summon nursing staff in an emergency. Activation of the system shall sound a repeating (every 5 seconds) audible signal at the nurse station, indicate type and location of call on the system monitor, and activate a distinct visual signal in the dome light outside the patient room door.

B. In multi-corridor nursing units, additional zone lights shall be installed at corridor intersections to act as a guide to the alarm location. Zone lights are also used to facilitate / guide Code Blue and Merit teams from floor and unit entrance points to the originating alarm location.

C. Activation of the system shall also activate distinct visual signals (Duty Station) in the clean workroom, in the soiled workroom, medication, charting, clean linen storage, nourishment, and equipment storage except outpatient areas.

D. A nurse emergency call system shall include an anti-microbial pull cord extending to within six inches of the floor accessible to a collapsed patient lying on the floor.

E. Nurse emergency call stations will be provided at:

   1. All lavatories designated for patients (excluding public waiting areas, unless Nursing identifies a specific patient risk).

   2. All showers designated for patients (must be within reach of a 5 foot tall person to cancel the call).

3.04 STAFF EMERGENCY ASSISTANCE CALL SYSTEM (CODE BLUE STATION)

A. A staff emergency assistance call system (code blue) is intended to be used by staff to summon additional help in an emergency. In open suites, an emergency assistant call system device shall be located at the head of each bed and in each individual room.

B. Activation of the system will sound an audible signal at the nursing unit's nurse's station, indicate type and location of call on the system monitor and activate a distinct visual signal in the dome light outside the patient room door.

C. In multi-corridor nursing units, additional zone lights shall be installed at corridor intersections to act as a guide to the alarm location. Zone lights are also used to facilitate / guide Code Blue and Merit teams from floor and unit entrance points to the originating alarm location

D. Activation of the system shall also activate visual and audible signals in the clean workroom, in the soiled workroom, medication, charting, clean linen storage, nourishment, equipment storage, and examination/treatment room(s) with back up to a continuously staffed area (other than the nurse station or an administrative center) from which assistance can be summoned

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E. In critical care units, recovery and preoperative areas, the call system shall include provisions for an emergency code resuscitation alarm to summon assistance from outside the unit.

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F. The system shall have voice communication capabilities so that the type of emergency or help required may be specified.

G. Staff emergency assistance call stations will be provided at:

1. All patient bed locations.

2. Each recovery, emergency examination and/or treatment area, critical care unit, special procedure room, cardiac catheterization room, angiography room, stress-test area, triage, and outpatient surgery, admission and discharge area.

3. Each imaging suite procedure room.

4. Each nuclear medicine suite treatment, diagnostic, observation, and secondary recovery room.

5. Each outpatient suite treatment, diagnostic, observation, and secondary recovery room.

3.05 COMMISSIONING / ACCEPTANCE TESTING

A. Testing will be conducted by Clinical Engineering prior to the first patient use.

B. The Commissioning sheet is available from Clinical Engineering upon request, which shows more specific details which are not provided within this document.

PART 4 - SPECIAL CONTRACT DOCUMENT REQUIREMENTS

4.01 SYSTEM APPLICATION

A. If there are no specific requirements regarding nurse call / communication systems defined within the Project Facility Program or Pre-Design Report, the A/E shall request a list of examination, treatment, or other rooms to be provided with nurse call / communication systems. This request shall be submitted in writing through the Owner's Project Manager to MD Anderson Patient Care Facilities and Prevention Facilities - Clinical Engineering.

B. Refer to Attachments A through H at the end of this Design Guideline Element for application of nurse call / communication systems devices and components required for various room types within MD Anderson facilities and tables of system components required by each product manufacturer.

PART 5 - PRODUCTS

5.01 MANUFACTURERS

A. Approved nurse call / communication systems for MD Anderson are as follows:

1. In-Patient care areas and Diagnostic Imaging (G3) in Alkek / Lutheran Main Campus buildings:

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a. Ascom (formally known as General Electric) C600 Standard daisy chain configuration head end (server located on G2.3410), compatible with existing Ascom (formally known as General Electric Telligence systems).

2. Outpatient Clinics, Diagnostic Imaging (R3), Radiation Oncology (BB/1, GB/1), Regional Care Centers and Surgery locations:

a. Rauland-Borg Responder 5, head end (server location on G6.3710) which connects to and serves G5 Surgical area.

B. The nurse call / communication systems must provide notification to the communications center, bed interface, television interface, auxiliary alarm interface and lighting interface for the following areas:

1. Alkek In-Patient rooms

2. Lutheran In-Patient rooms

3. Love Clinic(s) Apheresis treatment rooms on R8

4. Love Clinic(s) ATC treatment rooms on R2 / R10

5. Love Clinic(s) CTRCC treatment rooms on R1

6. Mays Clinic ATC treatment rooms on ACB8

5.02   PRODUCT DATA AND RECORD DOCUMENTS

A. Technical data on each product, including finishes.

B. Description of system operation.

C. Riser / LAN wiring diagrams and system data.

1. Identify electronic cabinet / switches / server room designation locations.

D. Equipment design considerations for future expansion when indicated.

E. Electronic cabinets must be wall mounted and accessible without a ladder, to allow for updates and maintenance of the system by the Clinical Engineering department. Any deviation must be approved by the Clinical Engineering Director.

F. Materials list and back box schedule (including unique back boxes).

G. Operation and Maintenance Data:

1. Factory-prepared operation and service manual for each system.

2. Include operation details, schematics, wiring diagrams, color coding, associated server and LAN interface layouts back to core server and report generator hardware interface.

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3. IP addresses and applicable server information with associated database elements.

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H. The patient room numbers shall be 5 alpha-numeric characters as follows;

   1. Character 1, building color designation, such as P(urple), G(reen), R(ose) etc.

   2. Character 2 & 3, floor designation, such as 01, 02, 11, 12, etc.

   3. Character 4 & 5, room designation, such as 01, 02, 11, 12, 21, etc. (a combination of eight numbers and / or programmable alpha characters for room and bed designations).

I. The non-patient room numbers shall be 7 alpha-numeric characters, duplicating institution room signage as follows;

   1. Building color designation, such as P(urple), G(reen), R(ose) etc.

   2. Floor designation, such as 01, 02, 11, 12, etc.

   3. Room designation, such as 1143 (a combination of eight numbers and / or programmable alpha characters for room and bed designations).

J. Sonifi Solutions (formally known as LodgeNet) Pillow speaker will be obtained from Curbell (4th generation) and provided as part of the installation for each respective manufacturer.

K. 37 Pin Hill Rom bed interface cable, TV Nurse Call control interface cable and associated light control relays will be provided as part of the nurse call / communication for in-patient areas and functional on the bedside panel or Pillow Speaker controls for light / volume / channel selection features.

L. CAT 5e shield or CAT 6 LAN cable will be used for system wiring.

M. A second Nurse Call "Cancel" button will be placed at the entrance of each patient room, for all Alkek and Lutheran in-patient areas.

N. When an installation of one of a nurse call / communication system(s) replaces an existing system(s) the following will be required for the job to be considered complete (or) done:

   1. Removal of all old devices / panels / hardware in existing area and holes covered per building code.

   2. Removal of all dome lights and new ceiling tiles installed, to meet building code.

   3. Old wiring left in place will be cut back and labeled as to what it was, for future identification.

   4. Main head end electronic cabinets and associated hardware(s) will be removed.

   5. Only General Electric (formally known as Dukane) ProCare 6000 devices will be salvaged and viable devices will be returned to Clinical Engineering in B1.4522 as areas are renovated.

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PART 6 - DOCUMENT REVISION HISTORY

Issue	Date	Revision Description	Reviser
	20190301	Original Issuance	

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END OF ELEMENT D5034

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Attachment "A"

In-Patient (Alkek / Lutheran)

Ascom C600 Simple System
System Overview / Options

Rev 10		Alkek & Lutheran Ascom C600 (Simple)					
(possible components)	Considerations / Comments	Basic Tone	Basic Audio	Full System	Other?	Photos	12/12
Dome (HC-CL4)	No audible	X	X	X	LAN & 2 wire, 2 wide		~$235 list
Supervisory Dome Light (HC-CL4-SUPV)	Audible sounder	X	X	X	LAN & 2 wire, 2 wide		~$350 list
Bathroom / Emergency / Red Label (push button, HC-PB2-EMERG)	No Comm, *Not installed in Staff Bathrooms!*	X	X	X	2 wire, 1 wide		~$200 list
Code / Blue Label (push button, HC-PB2-CODE-3K)	No Comm, **Should not be in the Diag Img areas, tjl**	X	X	X	2 wire, 1 wide		~$200 list
Staff Assist (or) Emergency / Green Label (push button, HC-PB2-CALLIN-3K)	No Comm	X	X	X	2 wire, 1 wide		~$250 list
Bathroom / Emergency / Red Label (push button / pull cord, HC-PP2-LAV-3K)	No Comm, *Not installed in Staff Bathrooms!*	X	X	X	2 wire, 1 wide		~$200 list
Code / Blue Label (push button / pull cord, HC-PP2-LAV-3K)	No Comm, **Should not be in the Diag Img areas, tjl**	X	X	X	2 wire, 1 wide, chg insert		~$200 list
Staff Assist (or) Emergency / Green Label (push button / pull cord, HC-PP2-LAV-3K)	No Comm	X	X	X	2 wire, 1 wide, chg insert		~$200 list
Call Cord Station (HC-CCSTN-3K)	No Comm	X	X	X	2 wire, 1 wide		~$250 list
Staff Console (HC-CONSOLE-3K)	Can make calls to anywhere and receive calls from anywhere per programming parameters, with handset	X	X	X	LAN, 1 wide receptacle		~$3.7k list
Annunciator Panel (HC-ANNUN-3K)	Can make calls to anywhere and receive calls from anywhere per programming parameters, no handset *{Should not be used inside MRI rooms due to comm noise generated}*		?	?	LAN, 3 wide		~$3.2k list
Staff / Duty Station (HC-DUTY-3K)	Dedicated point to point only, limited comm *{Should not be used inside MRI rooms due to comm noise generated}*		X	X	LAN, 3 wide		~$700 list
Call Cord Patient Station (HC-PSTN1)	Dedicated point to point only, limited comm. Allows for (2) Aux Alarm input, labled "CHR/VENT" left to right. *{Should not be used inside MRI rooms due to comm noise generated}*		?	X	LAN, 3 wide		~$1k list
Cancel (HC-PB3-CANCEL)	*{Placed at each Patient room entry}*			X	2 wire, 1 wide		~$200 list
Bed Interface (HC-BID-SS37 or 9A2137A + 438-537B?)				X	, 1 wide		
Dual Auxilliary Input Station (HC-AUX2-3K)	Allows for (2) Aux Alarm input, labled "AUX/VENT" left to right.			X	2 wire, 1 wide		
TV Interface (Sonifi Solutions, aka LodgeNet)				X	, 1 wide		

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Pillow Speaker Patient, 4G370E-01-04268 Visitor, D0208-AOZ-OL100 (Curbell 4th Gen Sonifi Solutions, aka LodgeNet)					X			~$180 list

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Attachment "B"
In-Patient (Alkek / Lutheran)

Ascom C600 Simple System
Staff Duty Station Overview

Rev 8	Required by Code			
	Not Required by Code			
	C600 / Telligence (G5)	**C600 / Telligence (G3-12)**	**C600 / Telligence (G15-23)**	**C600 / Telligence (P1-12)**
Clean / Linen Rm	A	A	A	A
Meds	A	A	A	
Nourishment	A	A	A	
Soiled Linen	A	A		A
Storage	A	A	A	
*Soiled Holding			A	
Conference Rm	A	A	A	A
ETV	A			
Housekeeping	A			
Locker Rm				A
Meeting Rm	A & PP			
Nutrition	A	A	A	
Staff Lounge	A		A	A
Supply				A
Team Rm			A	
Trash	A			
Waiting Rm / Family Lounge	PP	PP		PP
Waiting Room Lavatory	PP			

*On the Alkek Expansion drawings, Duty Stations are shown in the 'Soiled Holding' rooms but not in the 'Soiled Linen' rooms.

Both types of rooms exist in the Alkek Expansion. Having a Duty Station in one room but not the other may or may not suffice. ?

LEGEND
A = Alarm
PP = Patient Pull

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Attachment "C"
In-Patient (Lutheran / Alkek)

Ascom C600 Simple System
Component Details

Rev 7	Ascom C600C Simple , NURSE CALL SYSTEM				
	COMPONENT DETAIL				
DESCRIPTION	PART #	LOCATION	MECH. RQ	CABLING RQ.	MOUNTING RQ.
17" LCD Display Monitor		IDF Room	>50F, <120F	n/a	19" Rack Mountable
Auxiliary Input Station	HC-AUX2-3K	Patient Room	>50F, <120F	16awg	Single Gang Back Box
Beam Clamps	BC200	Above Ceiling	n/a	n/a	n/a
Bed Interface Station, Dual 37-Pin	9A2137A	Patient Room	>50F, <120F	438-537B Cable Kit	Single Gang Masonry Back Box
Bracket for Door Light	512HD	Above Ceiling	n/a	n/a	n/a
Bridle Rings	4BRT32	Above Ceiling	n/a	n/a	n/a
Cable Kit for Bed Interface	438-537B	Patient Room	>50F, <120F	n/a	n/a
Call Cord, 18 Pin	HC-SCC-8	Patient Room	>50F, <120F	n/a	n/a
Cancel Station	HC-PB3-CANCEL	Patient Room	>50F, <120F	16awg	Single Gang Back Box
CAT6 Inserts		Nurse Station	n/a	n/a	n/a
CAT6 Plates		Nurse Station	n/a	n/a	Single Gang Back Box
Code Blue Station	HC-PB2-CODE-3K	Patient Room	>50F, <120F	16awg	Single Gang Back Box
Digital Pillow Speaker		Patient Room	>50F, <120F	n/a	n/a
Door Light, 4 Lamp	HC-CL4	Patient Room	>50F, <120F	CAT5e Shield	2-Gang Back Box
Horizontal Wire Management		IDF Room	n/a	n/a	19" Rack Mountable
Lavatory Pull Station	HC-PP2-LAV-3K	Patient Room	>50F, <120F	16awg	Single Gang Back Box
Lavatory Pull Station w/ Relay	HC-PB2-CALLIN-3K	Patient Room	>50F, <120F	16awg	Single Gang Back Box
Patch Cords, 3ft. CAT6		IDF Room	n/a	n/a	n/a
Patch Cords, 7ft. CAT6		IDF Room	n/a	n/a	n/a
Patch Panel, 24-Port, CAT6		IDF Room	>50F, <120F	n/a	19" Rack Mountable
Patient Station, Single	HC-PSTN1	Patient Room	>50F, <120F	CAT5e Shield	3-Gang Back Box
Pull Cord (10 Pack)	HC-RPLMT-CLCD-W	n/a	>50F, <120F	n/a	n/a
Rack Mount AC Power Strip		IDF Room	>50F, <120F	n/a	19" Rack Mountable
RJ45 Connectors, CAT6		Patient Room	n/a	n/a	n/a
Shelf for Server	GSHELF3	IDF Room	n/a	n/a	19" Rack Mountable
Staff Console	HC-CONSOLE-3K	Nurse Station	>50F, <120F	CAT5e Shield	Single Gang Receptacle
Staff / Duty Station	HC-DUTY-3K	Patient Room	>50F, <120F	CAT5e Shield	3-Gang Back Box
Standing Rack		IDF Room	n/a	n/a	n/a
Supervised Dome Light w/ Buzzer	HC-CL4-SUPV	Nurse Station	>50F, <120F	CAT5e Shield	2-Gang Back Box
Telligence Bridge	NGTELL30-S	IDF Room	>50F, <120F	n/a	n/a
Telligence Gateway	NGGTWY2-H	IDF Room	>50F, <120F	CAT5e Shield	19" Rack Mountable
Telligence PowerSwitch	HC-IPSWITCH8	IDF Room	>50F, <120F	CAT6a	19" Rack Mountable
Telligence Server (Dell, RAID 10)		IDF Room	>50F, <120F	n/a	19" Rack Mountable
Two-In-One UPS		IDF Room	>50F, <120F	n/a	19" Rack Mountable
Vertical Wire Management		IDF Room	n/a	n/a	Rack Mountable
Zone Light, 4 Lamp	HC-CL4	Corridors	>50F, <120F	CAT5e Shield	2-Gang Back Box
ELECTRICAL REQUIREMENTS					
Two (2) 20 amp circuits on 'critical branch' are required for each head-end closet / rack.					
One (1) additional 20 amp circuit on 'critical branch' is required for each head-end closet with a server.					

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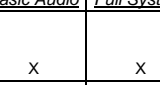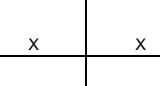MD Anderson Cancer Center
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Electrical

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Attachment "D"
In-Patient (Lutheran / Alkek)

Ascom C600 Simple System

Acceptance / Commissioning Sheet

Date:			Nurse Call Acceptance				Wilson Fire Equipment & Service Company, Inc.
UTMDACC Unit:			Staff Console Asset #:		S/N:		"Protecting People and Property since 1916"
Technicians:							7303 Empire Central Drive Houston, Texas 77040 Telephone: (713) 896-4767 Fax: (713) 896-4778

System Type: Ascom C600 Simple Nurse Call System (formally known as GE Telligence) *(rev7, 2015_08)*

Call Type =>		Voice (Page)	Normal Call	Staff Emerg	Code Blue 2	Staff Assist	Cord Out 3	Lav Call 2	CHR Left Side (Verify CHR Lbl)	Aux Vent Right Side (Verify Vent Lbl)	Bed Exit 2	Pillow Spk Controls All	Cancel Call	Comments
Light Color => *(all are in "Flash" mode)except NormCall/Staffassist*		*Voice path between Staff Console & Device works*	*White (Pos 2)*	*Red (Pos 1)*	*Blue (All 4)*	*Green (Pos 2)*	*Amber/ Yellow (Pos2)*	*Red (Pos 1)*	*Amber/ Yellow (Pos 2)*	*Amber/ Yellow (Pos 2)*	*Amber/ Yellow (Pos 2)*	*- Nurse Call - TV*	*Extinguish Light*	Pillow Spk Controls All denotes; Call Button, volume up/down, Key Pad Numberic buttons, On/Off, Menu, Order, Exit, Back, Mute, Closed Captions, Select/play/pause, and arrow (up, down, left, right). Verify light 1 and or 2 if enabled.
Priority / Tone # =>			*NORM*	*EMG*	*CODE*	*NORM*	*NORM*	*EMG*	*NORM*	*Pulse Tone 6*	*NORM*			
Room #		Room Name / Patient rooms (character) => (1) building "P/G/R", (2-3) floor # with leading 0's, (4-5) room # with leading 0's Room Name / Staff Console (character) => (1-2) floor # with leading 0's, (3-6) signage room #, (7-8) Console location by Pod; NE, SE, NW, SW, A->F/W Room Name / Other rooms (character) => (1) building "P/G/R", (2-3) floor # with leading 0's, (4-7) room #												
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
	13													
	14													
	15													

Device	Location	Asset #	Mac Address
Staff Console	West Reception		
Staff Console	South West Pod		
Staff Console	North West Pod		
Staff Console	East Reception		
Staff Console	South East Pod		
Staff Console	North East Pod		

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Attachment "E"
Diagnostic Imaging Main Campus

Ascom C600 Simple System, for Alkek G3 areas
System Overview / Options

Rev 7	Part No. reference	Photos
Bathroom / Emergency / Red Label (push button)	HC-PB2-EMERG	
Staff Assist (or) Emergency / Green Label (push button)	HC-PB2-CALLIN-3K	
Bathroom / Emergency / Red Label (push button / pull cord)	HC-PP2-LAV-3K	
Staff Assist (or) Emergency / Green Label (push button / pull cord)	HC-PP2-LAV-3K	
Call Cord Station	HC-CCSTN-3K	
Call Cord Patient Station Dedicated point to point only, limited comm {Should not be used inside MRI rooms due to comm noise generated}	HC-CCPSTN-3K	
Staff Console {Can make calls to anywhere and receive calls from anywhere per programming parameters, with handset}	HC-CONSOLE-3K	
Annunciator Panel {Can make calls to anywhere and receive calls from anywhere per programming parameters, no handset}	HC-ANNUN-3K	
Dome Light (No audible)	HC-CL4	
Supervisory Dome Light (Audible sounder)	HC-CL4-SUPV	

Rauland Responder 5, for R3 areas
System Overview / Options

Rev 7	Diag Img R3				Photos
	Rauland Responder 5				
(possible components)	General	Basic Tone	Basic Audio	Full System	
Dome / Zone Light (352000)		X	X	X	
Pull Cord Call (354001)		X	X	X	
Staff Assist Station (354012)		X	X	X	
Nurse Console (351200)		X	X	X	
Audio / Pull Cord Call (354000)		(or) X	X	X	
Duty Station (353100)			X	X	

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Nurse Call Cabinet (NC2828)	TBD	TBD	TBD	TBD	

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Element D | Services

Electrical

D5034 Nurse Call / Communication Systems

Attachment "F"
All Clinics & Cancer Network Center(s)

Rauland Responder 5

System Overview / Options

Rev 9 (possible components)	All Clinics & Cancer Network Center(s)				Photos
	Rauland Responder 5				
	General	Basic Tone	Basic Audio	Full System	
Dome / Zone Light (352000)		X	X	X	
Pull Cord Call (354001)		X	X	X	
Staff Assist Station (354012)		X	X	X	
Staff Assist Code Station (354015)		X	X	X	
Nurse Console (351200)		X	X	X	
Audio / Pull Cord Call (354000)		(or) X	X	X	
Duty Station (353100)			X	X	
Patient Station (353001)			(or) X	X	
Bed Interface (Dual 37-Pin, NCBED5)				X	
TV Interface (LodgeNet)				X	
Pillow Speaker (350202) (Curbell 4th Gen Sonifi Solutions, aka LodgeNet, #41414U-101031A or 43A)				X	
Staff Terminal (351300), G5 - Surgery use only (Clinical Engineerng will need to be contacted for the program for these units, it is custom)					
Nurse Call Cabinet (NC2828)	TBD	TBD	TBD	TBD	

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Staff Registration (354017)	TBD	TBD	TBD	TBD	

NOTE: Effective Jan 2013 Radiation Oncology on GB/1 & BB/1 utilize this equipment configuration

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Element D | Services

Electrical

D5034 Nurse Call / Communication Systems

Attachment "G"
All Clinics and Regional Care Center(s)

Rauland Responder 5

Acceptance / Commissioning Sheet

Date: _____

Nurse Call Acceptance

UTMDACC Unit: _____ **Staff Console Asset #:** _____ **S/N:** _____ **Technicians:** _____

HALCO LIFE SAFETY SYSTEMS

System Type: Rauland Responder 5 Nurse Call System *(rev4, 2013_12)*

Call Type		Voice (Page)	Normal Call	Staff Emerg	Code Blue	Staff Assist	Cord Out	Lav Call	Aux (Verify Lbl)	Water / Pain / Toilet (Verify Lbl)	Bed Exit	Pillow Spk Functions	Cancel Call	Comments
Light Color => (all are in "Flash" mode)		Voice path between Staff Console & Device works	White (All 4) (rate ? secs)	Red (Pos 1) (rate ? secs)	Blue (All 4) (rate ? Secs)	Green (Pos 1) (rate ? secs)	Yellow (All 4) (rate ? secs)	Red (Pos 3,4) (rate ? secs)	White (Pos 1) (rate ? secs)	White (Pos1, 2) Green (Pos 3, 4) (rate ? secs)	Yellow (Pos ?) (rate ? secs)	- Nurse Call - TV	Extinguish Light	Pillow Spk Controls All denotes; Call Button, volume up/down, Key Pad Numberic buttons, On/Off, Menu, Order, Exit, Back, Mute, Closed Captions, Select/play/pause, and arrow (up, down, left, right). Verify light 1 and or 2 if enabled.
Tone # =>			1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	1 (rate ? secs)	
Room #		Room Name / Patient rooms (character) => (1) building "P/G/R", (2-3) floor # with leading 0's, (4-5) room # with leading 0's Room Name / Staff Console (character) => (1-2) floor # with leading 0's, (3-6) signage room #, (7-8) Console location by Pod; NE, SE, NW, SW, A->F/W Room Name / Other rooms (character) => (1) building "P/G/R", (2-3) floor # with leading 0's, (4-7) room #												
	1													
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	11													
	12													
	13													
	14													
	15													
	16													

Device	Location	Asset #	Mac Address
Staff Console	West Reception		
Staff Console	South West Pod		
Staff Console	North West Pod		
Staff Console	East Reception		
Staff Console	South East Pod		
Staff Console	North East Pod		

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Element D | Services

Electrical **D5034 Nurse Call / Communication Systems**

Attachment "H"
Alkek Surgery G5 (Main Campus only)

Rauland Responder 5
System Overview / Options

Rev 7	Alkek G5 Surgery (Main Campus)	
	Rauland Responder 5	
(possible components)	*Full System*	**Photos**
Dome / Zone Light (352000)	X	
Duty Station (353100)	X	
Nurse Console (351200)	X	
Staff Terminal (351300), (Clinical Engineerng will need to be contacted for the program for these units, it is custom)	X	
Nurse Call Cabinet (NC2828)	X	

END OF ATTACHMENTS TO ELEMENT D5034

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