

SF120-Series and SF130-Series Peripheral Wiring

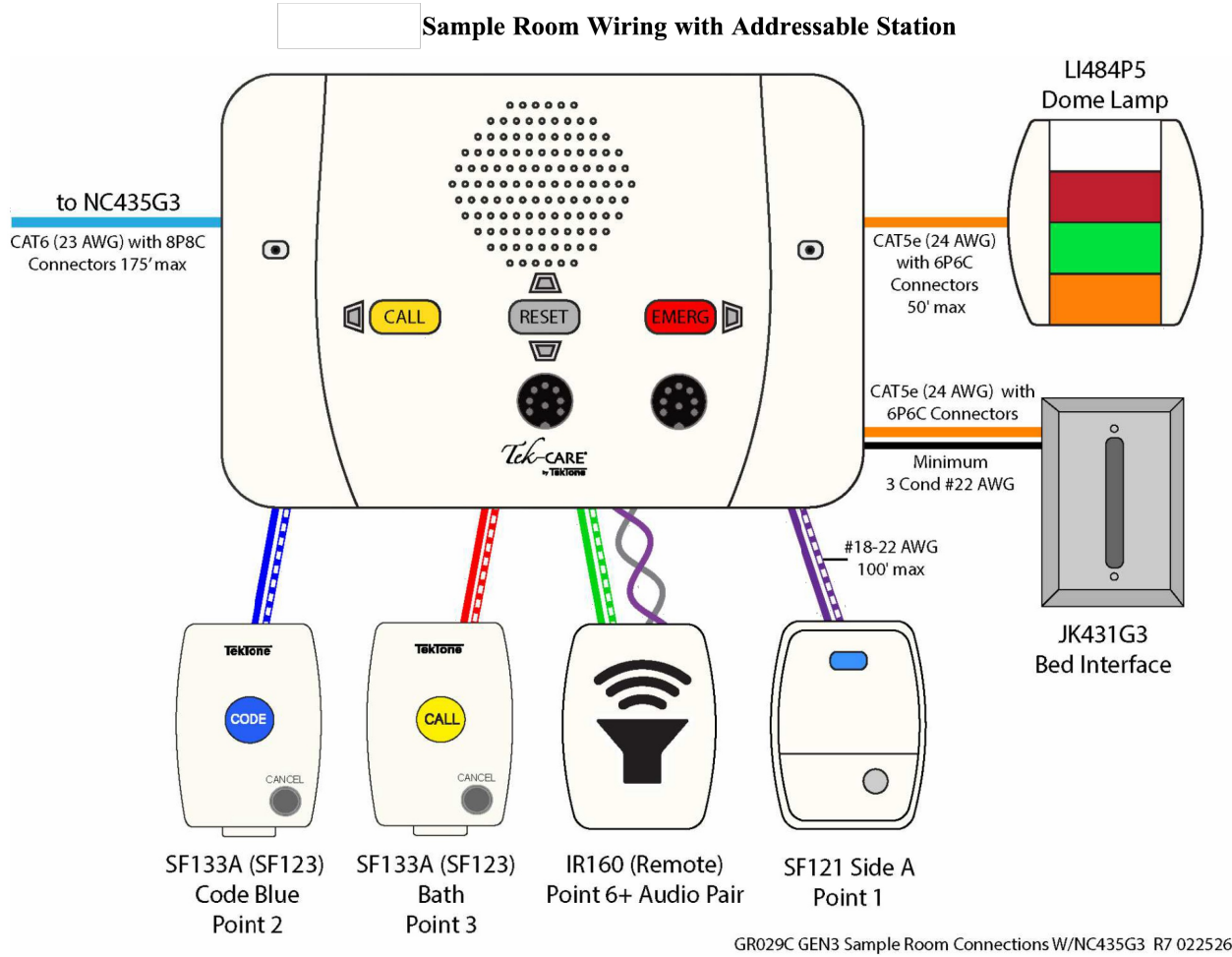
When installing wiring to peripherals, use 22-18 AWG cable. Do not exceed 100 feet of cabling from patient station to peripheral (note: do not exceed 50 feet of cabling for the SF124). Only one peripheral may be connected to each point. Do not connect multiple stations together on the same point wiring. Up to six peripherals may be connected to an addressable station using the header on the back of the station. The leads on the header are paired together to form a point on the addressable station.

The table below shows the six available points on the header. The point connections are arranged +, -, etc., with each pair of +- connections making up one point.

Point 1		Point 2		Point3		Point 4		Point 5		Point 6	
+	-	+	-	+	-	+	-	+	-	+	-
Purple	Purple	Blue	Blue	Red	Red	Orange	Orange	Brown	Brown	Green	Green
White	White	White	White	White	White	White	White	White	White	White	White
Stripe	Stripe	Stripe	Stripe	Stripe	Stripe	Stripe	Stripe	Stripe	Stripe	Stripe	Stripe
SF121		SF123/SF133A		SF123/SF133A		SF123/SF133A		PM123		IR160	
ROUTINE-A		CODE		BATH		EMERGENCY		AUX 1A/1B		SPEAKER	

Tek-CARE 400 GEN3 POINTS TABLE

SCALE: NONE
Illustration intended for informational purposes only.



SAMPLE ROOM WIRING WITH PATIENT STATION
(FRONT VIEW)

SCALE: NONE
Illustration intended for informational purposes only.

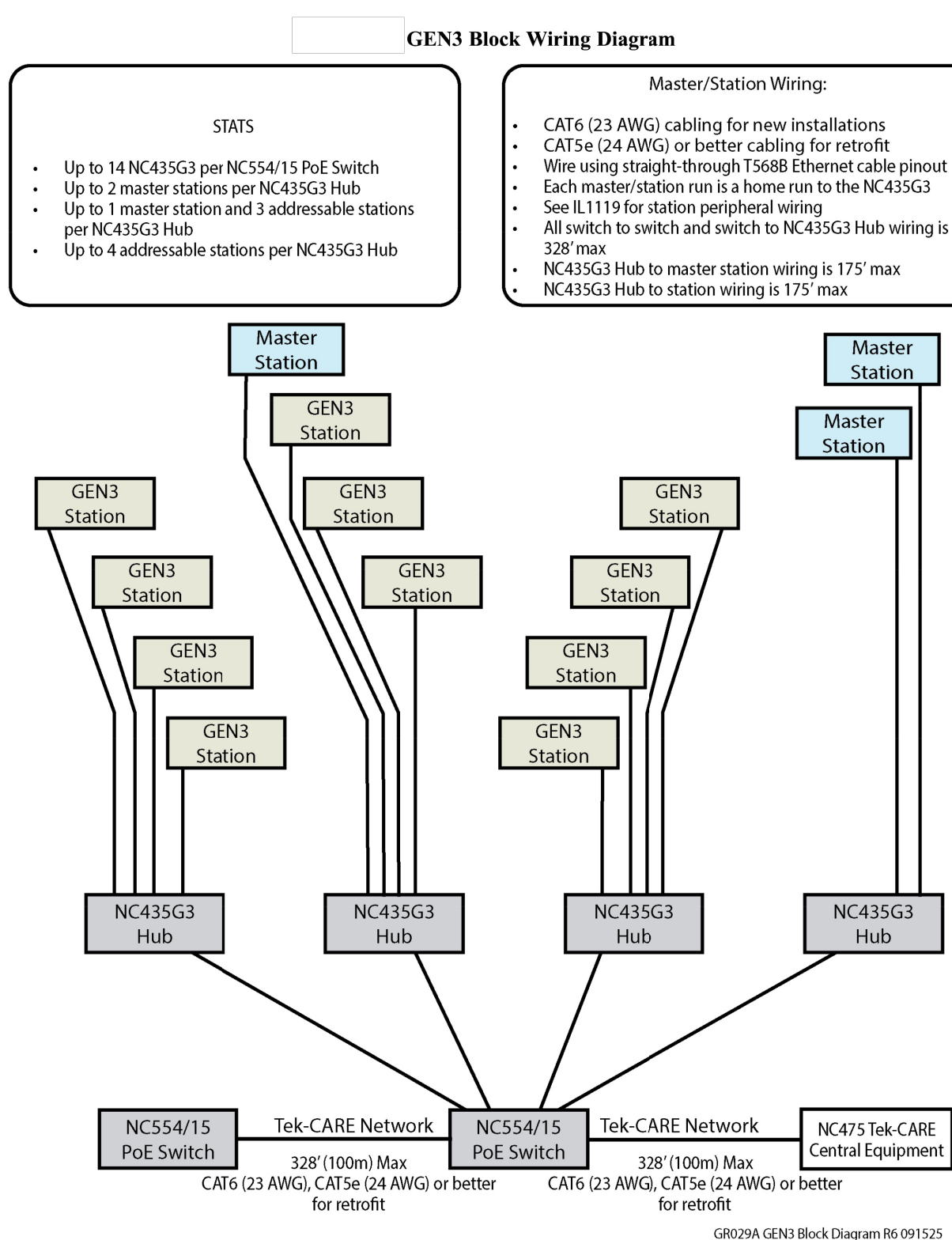
NC435G3 Hub Connections

Master/Station/Switch Wiring:

- CAT6 (23 AWG) cabling
- Wire using straight-through T568B Ethernet cable pinout
- Each master/station run is a home run to the NC435G3 Hub
- All switch to switch and switch to NC435G3 Hub wiring is 328' max
- NC435G3 Hub to master station wiring is 175' max
- NC435G3 Hub to station wiring is 175' max

Tek-CARE 400 GEN3 SYSTEM HUB WIRING CONNECTIONS

SCALE: NONE
Illustration intended for informational purposes only.

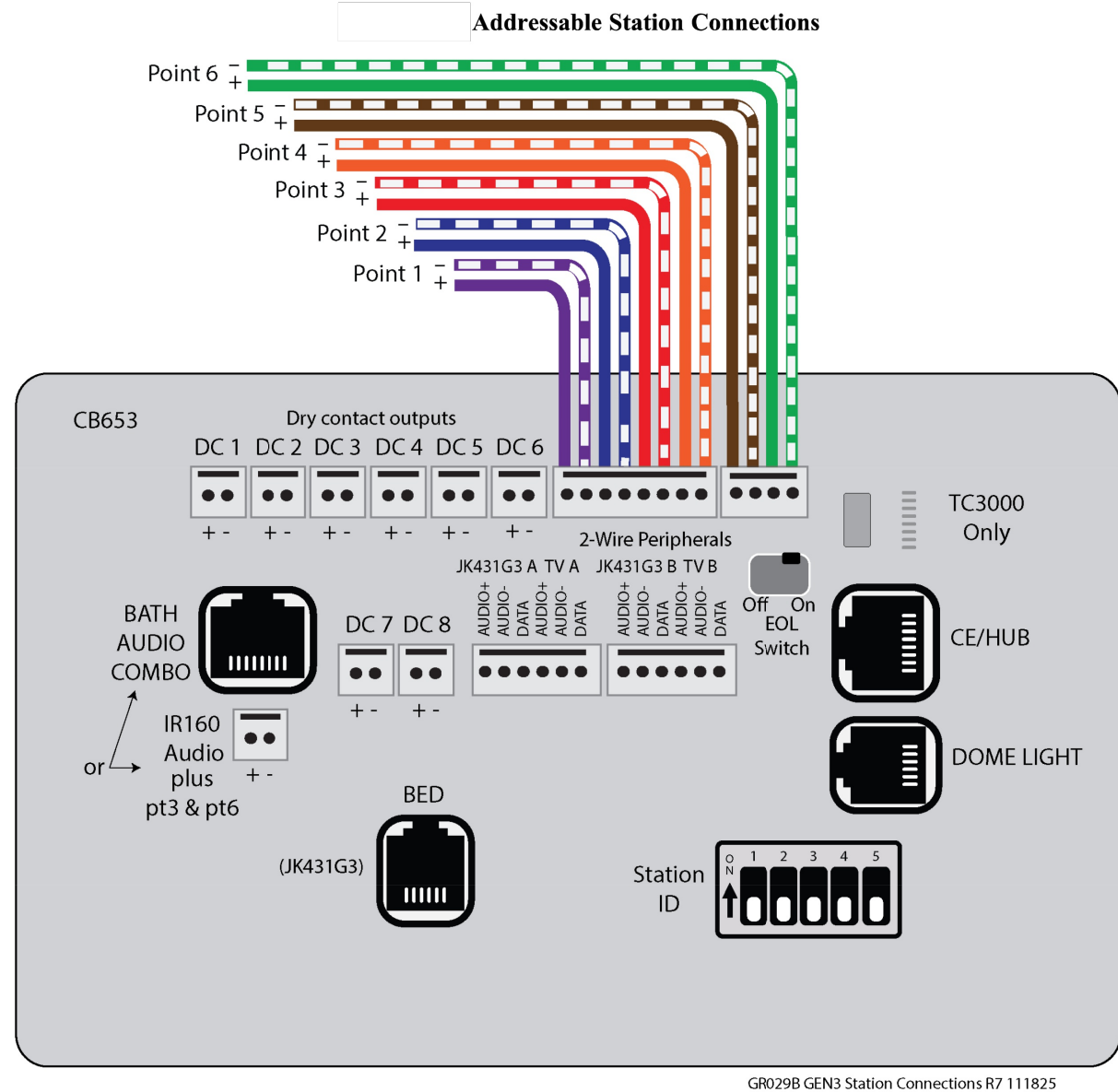


Tek-CARE 400 GEN3 BLOCK DIAGRAM

SCALE: NONE
Illustration intended for informational purposes only.

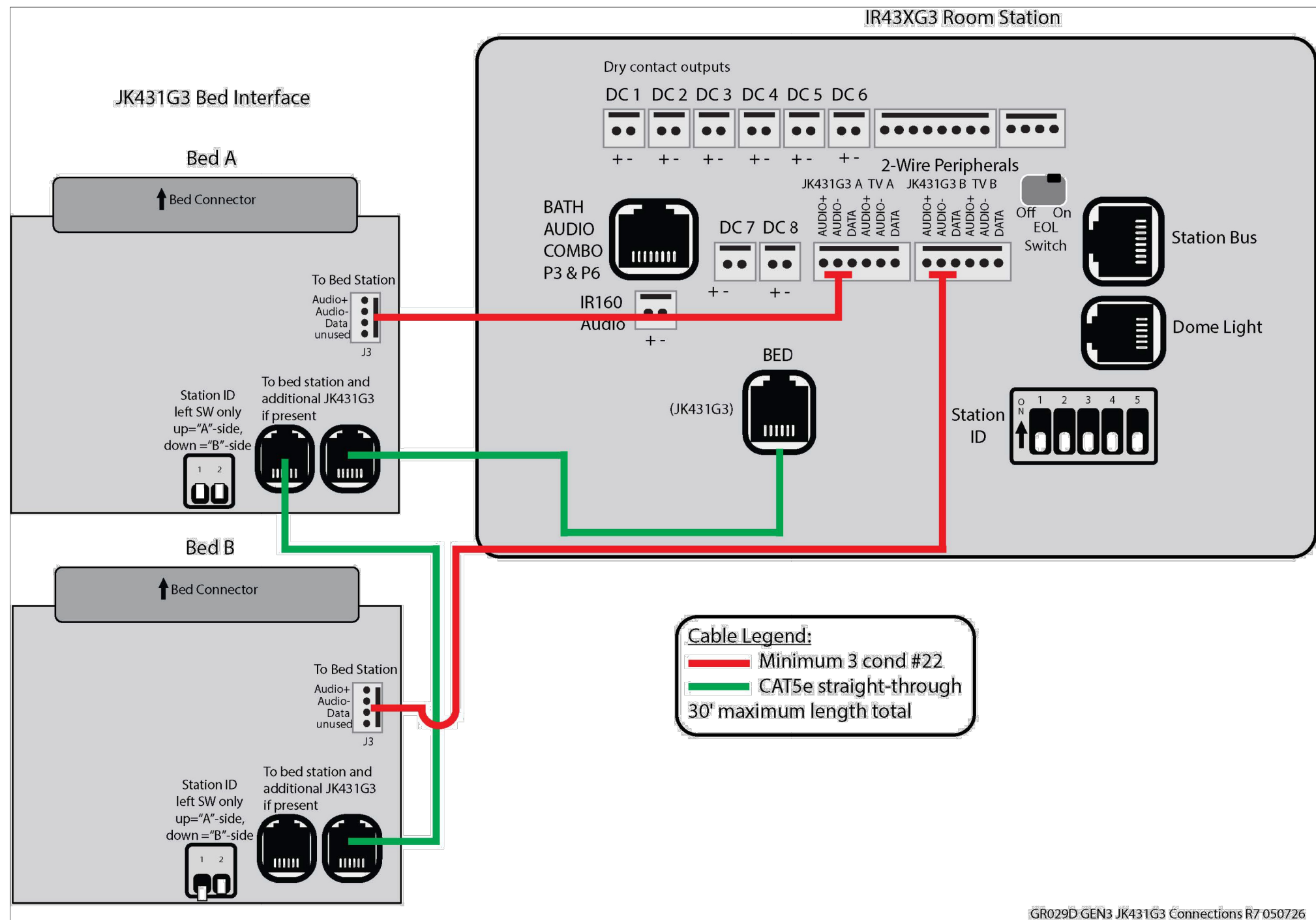
GEN3 Station Connections

The figure below illustrates the various connections from the addressable station to other peripherals, modules, and ports.



SAMPLE ROOM WIRING WITH PATIENT STATION
(REAR VIEW)

SCALE: NONE



SAMPLE ROOM WIRING WITH BED CONNECTIONS
(REAR VIEW)

SCALE: NONE

DRAWING LIST

- NC0 NURSE CALL COVER PAGE
NC1 1ST FLOOR NURSE CALL PLAN
NC2 NURSE CALL SYSTEM RISER DIAGRAM



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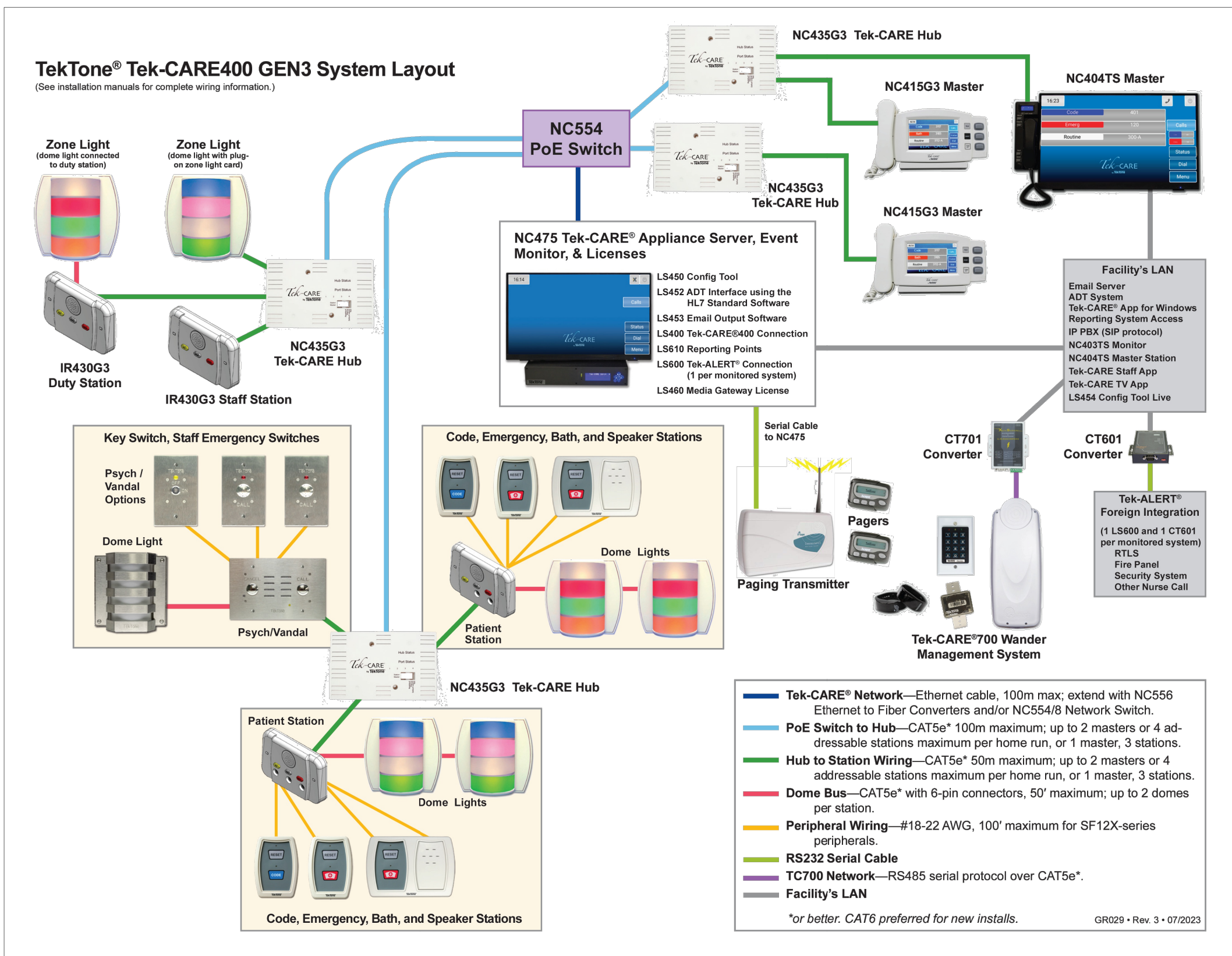
TekTone 20-Bed Nurse Call System Using
Tek-CARE400 GEN3

NO	REVISIONS	DESCRIPTION	DATE
0	1	FINAL TO TKTONE	04/03/20
1	2	REVISION 1 TO TKTONE	05/07/20
2	3	REVISION 2 TO TKTONE	05/12/20
3	4	REVISION 3 TO TKTONE	05/12/20

DRAWING TITLE:
NURSE CALL
COVER
PAGE

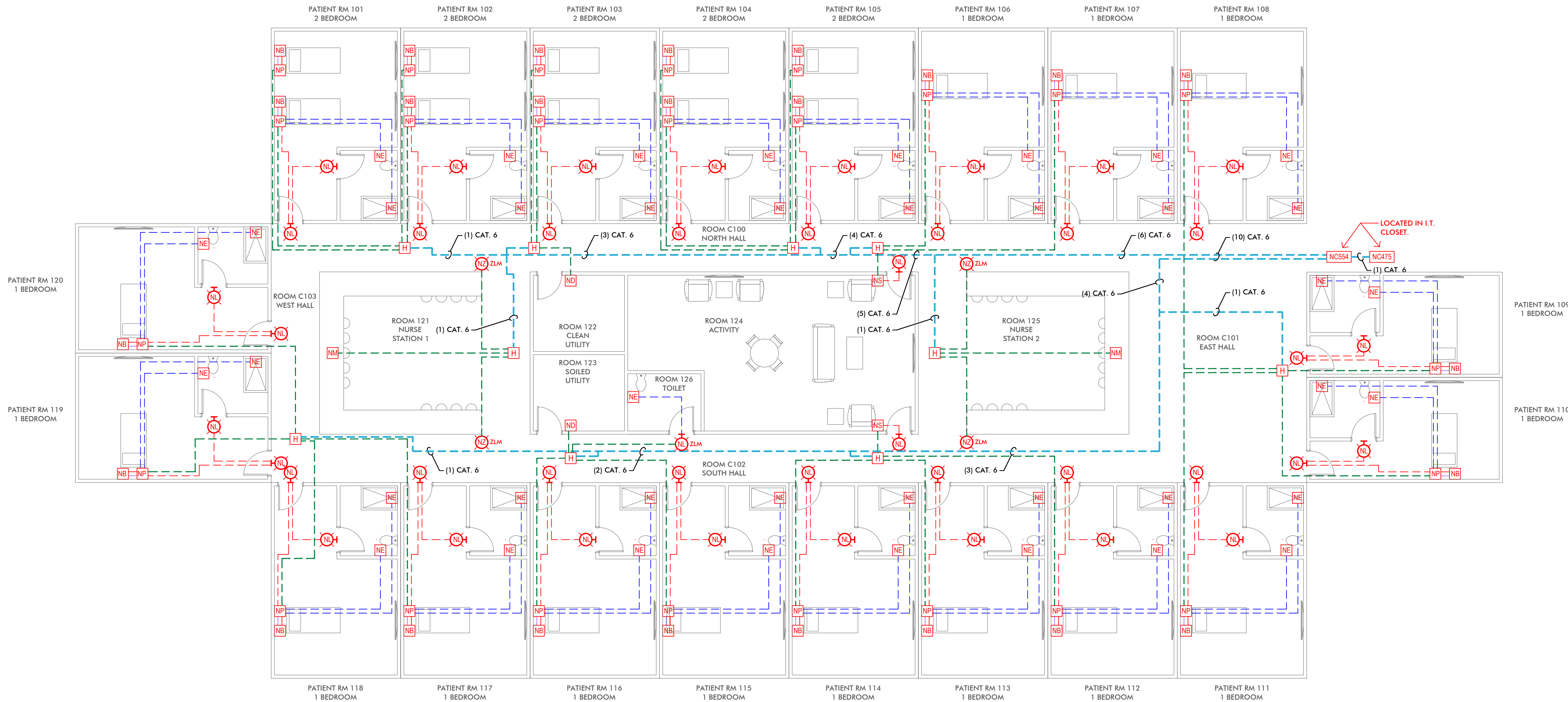
DRAWING NUMBER:

NC0



Tek-CARE 400 GEN3 SYSTEM LAYOUT

SCALE: NONE
Illustration intended for informational purposes only.



FLOOR PLAN
SCALE: 1/8" = 1'-0"



LEGEND

- MASTER STATION - WALL OR DESK MOUNTED**
OPTION #1: CONSOLE TYPE WITH HANDSET.
- TekTone NC415G3 WITH TA415AL HANDSET
- TekTone IH415LD DESK MOUNT HOUSING OR IH415W WALL MOUNT BRACKET
OPTION #2: 24" TOUCH SCREEN MONITOR TYPE WITH HANDSET.
- TekTone NC404TS
- WALL MOUNT USES STANDARD VESA MOUNTING SYSTEM (PROVIDED BY CONTRACTOR)
- EMERGENCY STATION - 48" AFF (72" AFF WHEN LOCATED IN SHOWER)**
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING
- BOTTOM OF PULL TO BE 2" AFF IF STATION CONTAINS A PULL CORD.
- TekTone SF133A
- PROVIDE TekTone SF133GK GASKET KIT WHEN MOUNTED IN SHOWER
- SINGLE PATIENT STATION WITH INTEGRATED NORMAL CALL, STAFF ASSIST CALL, CODE BLUE CALL - 48" AFF**
- MOUNTED IN 2-GANG OR 3-GANG 2-1/2" DEEP BOX WITH PLASTER RING
- TekTone IR431G3
- TekTone SF301B 8" CALL CORD
- AUDIO VISUAL STAFF STATION - 48" AFF**
- MOUNTED IN 2-GANG OR 3-GANG 2-1/2" DEEP BOX WITH PLASTER RING
- TekTone IR430G3
- DUTY STATION - 48" AFF**
- MOUNTED IN 2-GANG OR 3-GANG 2-1/2" DEEP BOX WITH PLASTER RING
- TekTone IR430G3
- 37-PIN BED STATION RECEPTACLE - 12" AFF**
- MOUNTED IN A 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH 1-GANG RING. BOX MUST BE GROUNDED.
- TekTone JK431G3
- CORRIDOR DOME LIGHT - 84" AFF**
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH A 1-GANG PLASTER RING
- TekTone LI484P5
- CORRIDOR DOME LIGHT STATION - 84" AFF**
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH A 1-GANG PLASTER RING
- LIGHT TO CONTAIN A ZONE LIGHT MODULE.
- TekTone LI484P5 WITH PM4242P5 ZONE LIGHT MODULE
- CORRIDOR ZONE LIGHT STATION - CEILING MOUNTED**
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH A 1-GANG PLASTER RING
- ZONE LIGHT TO CONTAIN A ZONE LIGHT MODULE.
- TekTone LI484P5 WITH PM4242P5 ZONE LIGHT MODULE
- TEK-CARE HUB**
- MOUNTED IN 2-GANG ELECTRICAL BOX ABOVE ACCESSIBLE CEILING
- TekTone NC435G3
- TEK-CARE SERVER, RACK MOUNTED**
- TekTone NC475 (TWO U RACK SPACES)
- TEK-CARE 15 PORT NETWORK SWITCH**
- WALL MOUNTED OR DESK MOUNTED
- TekTone NC554/15

WIRE LEGEND

- COMMUNICATION BUS (C-BUS) HOMERUN TO POE SWITCH.**
(1) CATEGORY 5e OR BETTER
MAXIMUM LENGTH = 328'
8-PIN CONNECTOR REQUIRED.
- HUB STATION WIRING**
(1) CATEGORY 5e OR BETTER
MAXIMUM LENGTH = 175'
8-PIN CONNECTOR REQUIRED.
- PERIPHERAL WIRING**
(2) CONDUCTOR #18-#22 STRANDED.
MAXIMUM LENGTH = 100'
- DOMES BUS**
(1) CATEGORY 5e.
MAXIMUM LENGTH = 50'.
6-PIN CONNECTOR REQUIRED.
- BED RECEPTACLE WIRING**
(3) CONDUCTOR #18-#22 STRANDED.
MAXIMUM LENGTH = 100'



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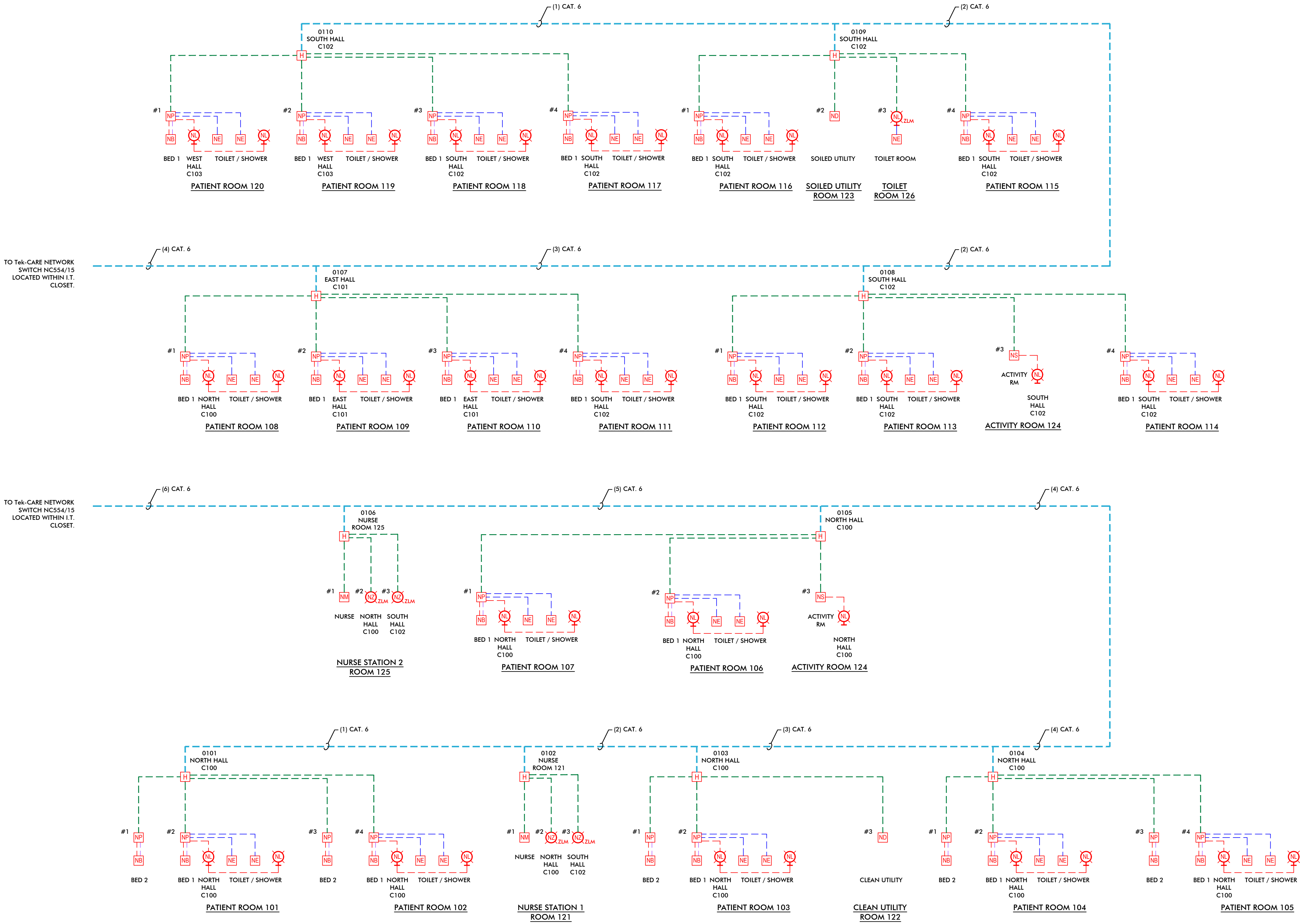
TekTone 20-Bed Nurse Call System Using Tek-CARE400 GEN3

REVISIONS		DATE	DESCRIPTION
0	1	04/03/20	FINAL TO WKTONE
1	1	05/07/20	REVISION 01 TO WKTONE
2	1	06/17/20	REVISION 02 TO WKTONE
3	1	06/17/20	REVISION 03 TO WKTONE

DRAWING TITLE:
1ST FLOOR NURSE CALL PLAN

DRAWING NUMBER:

NC1



ONE LINE DIAGRAM
SCALE: NONE

LEGEND

- NM** MASTER STATION - WALL OR DESK MOUNTED
OPTION #1: CONSOLE TYPE WITH HANDSET.
- TekTONE NC415G3 WITH TA415AL HANDSET
- TekTONE IH415LD DESK MOUNT HOUSING OR IH415W WALL MOUNT BRACKET
OPTION #2: 24" TOUCH SCREEN MONITOR TYPE WITH HANDSET.
- TekTONE NC404TS
- WALL MOUNT USES STANDARD VESA MOUNTING SYSTEM (PROVIDED BY CONTRACTOR)
- NE** EMERGENCY STATION - 48" AFF (72" AFF WHEN LOCATED IN SHOWER)
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING
- BOTTOM OF PULL TO BE 2" AFF IF STATION CONTAINS A PULL CORD.
- TekTONE SF133A
- PROVIDE TekTONE SF133GK GASKET KIT WHEN MOUNTED IN SHOWER
- NP** SINGLE PATIENT STATION WITH INTEGRATED NORMAL CALL, STAFF ASSIST CALL, CODE BLUE CALL - 48" AFF
- MOUNTED IN 2-GANG OR 3-GANG 2-1/2" DEEP BOX WITH PLASTER RING
- TekTONE IR431G3
- TekTONE SF301B 8' CALL CORD
- NS** AUDIO VISUAL STAFF STATION - 48" AFF
- MOUNTED IN 2-GANG OR 3-GANG 2-1/2" DEEP BOX WITH PLASTER RING
- TekTONE IR430G3
- ND** DUTY STATION - 48" AFF
- MOUNTED IN 2-GANG OR 3-GANG 2-1/2" DEEP BOX WITH PLASTER RING
- TekTONE IR430G3
- NB** 37-PIN BED STATION RECEPTACLE - 12" AFF
- MOUNTED IN A 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH 1-GANG RING. BOX MUST BE GROUNDED.
- TekTONE JK431G3
- NL** CORRIDOR DOME LIGHT - 84" AFF
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH A 1-GANG PLASTER RING
- TekTONE LI484P5
- NL ZM** CORRIDOR DOME LIGHT STATION - 84" AFF
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH A 1-GANG PLASTER RING
- LIGHT TO CONTAIN A ZONE LIGHT MODULE.
- TekTONE LI484P5 WITH PM4242P5 ZONE LIGHT MODULE
- NL ZL** CORRIDOR ZONE LIGHT STATION - CEILING MOUNTED
- MOUNTED IN 1-GANG BOX WITH 1-GANG PLASTER RING OR A 2-GANG BOX WITH A 1-GANG PLASTER RING
- ZONE LIGHT TO CONTAIN A ZONE LIGHT MODULE.
- TekTONE LI484P5 WITH PM4242P5 ZONE LIGHT MODULE
- H** Tek-CARE HUB
- MOUNTED IN 2-GANG ELECTRICAL BOX ABOVE ACCESSIBLE CEILING
- TekTONE NC435G3
- NC475** Tek-CARE SERVER, RACK MOUNTED
- TekTONE NC475 (TWO U RACK SPACES)
- NC554** Tek-Care 15 PORT NETWORK SWITCH
- WALL MOUNTED OR DESK MOUNTED
- TekTONE NC554/15

WIRE LEGEND

- 1** COMMUNICATION BUS (C-BUS) HOMERUN TO POE SWITCH. EACH HUB REQUIRES A DEDICATED HOMERUN
(1) CATEGORY 5e OR BETTER
MAXIMUM LENGTH = 328'
8-PIN CONNECTOR REQUIRED.
- 2** HUB STATION WIRING
(1) CATEGORY 5e OR BETTER
MAXIMUM LENGTH = 175'
8-PIN CONNECTOR REQUIRED.
- 3** DOME BUS
(1) CATEGORY 5e
MAXIMUM LENGTH = 50'
6-PIN CONNECTOR REQUIRED.
- 4** PERIPHERAL WIRING
(2) CONDUCTOR #18-#22 STRANDED.
MAXIMUM LENGTH = 100'
- 5** BED RECEPTACLE WIRING
(3) CONDUCTOR #18-#22 STRANDED.
MAXIMUM LENGTH = 100'



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REVISIONS		DATE	DESCRIPTION
NO	0	04/03/20	FINAL TO TEK-TONE
	1	05/07/20	REVISION 1 TO TEK-TONE
	2	06/17/20	REVISION 2 TO TEK-TONE
	3	06/17/20	REVISION 3 TO TEK-TONE

DRAWING TITLE:
NURSE CALL
SYSTEM
RISER
DIAGRAM

DRAWING NUMBER:
NC2