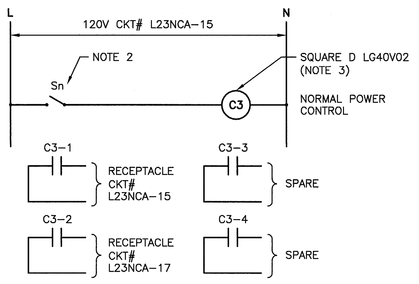
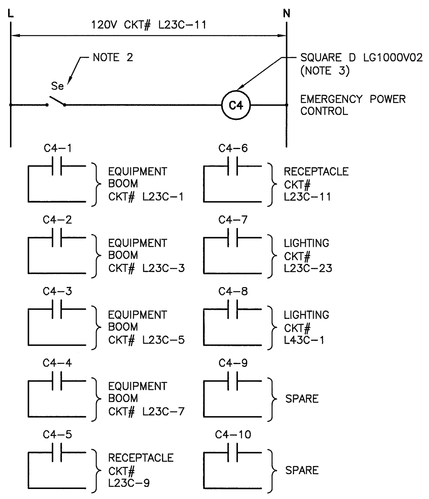
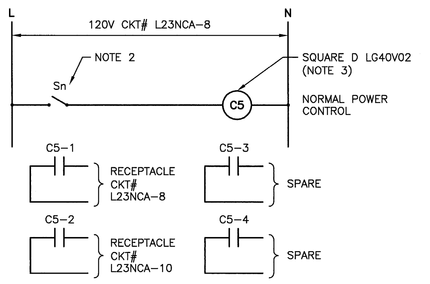
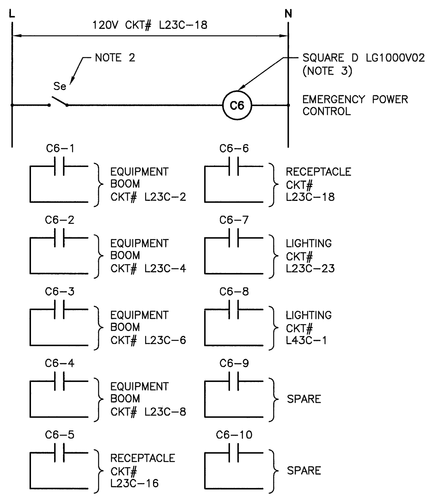
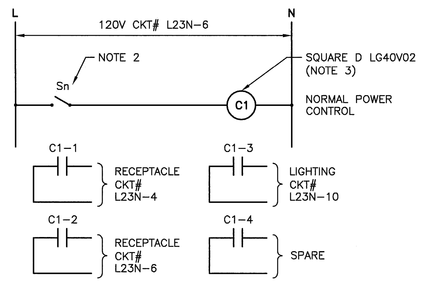
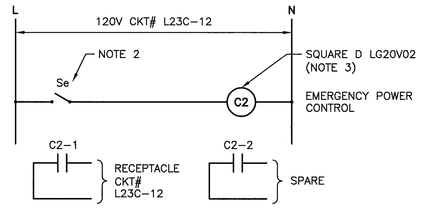












NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.
2. SWITCH TO BE PROVIDED AND LOCATED IN ASSOCIATED CONTROL ROOM. COORDINATE WITH OWNER FOR EXACT LOCATION.
3. CONTROL CONTACTOR TO BE LOCATED IN ASSOCIATED CONTROL ROOM OR ELECTRICAL ROOM 3114.

KEYED NOTES:

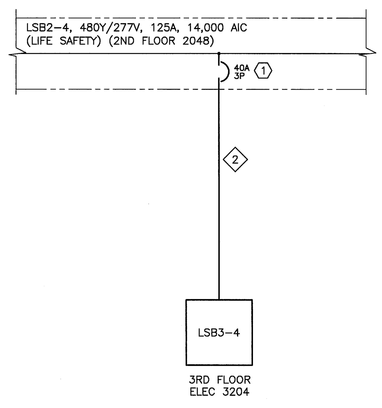
(1) PROVIDE CIRCUIT BREAKER IN EXISTING PANEL.

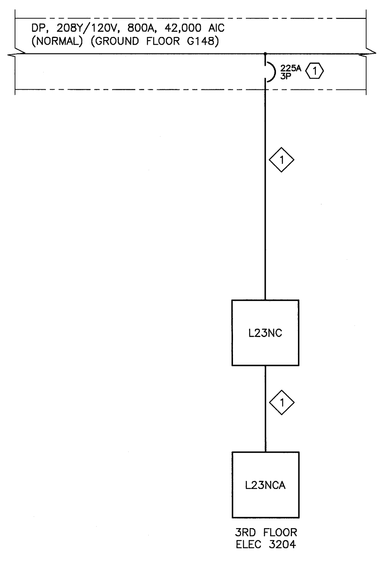
CABLE SCHEDULE:

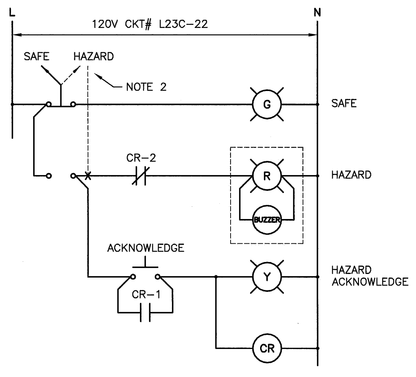
<1> 4#4/0 & #4 GND, 2 1/2"C
<2> 4#8 & #10 GND, 1"C

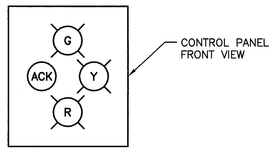
A1	SIM ICU/TRAUMA 3101 CONTROL SCHEMATIC	A6	SIM OR 3103 CONTROL SCHEMATIC
NONE	*	NONE	*

A11	SIM PATIENT ROOM 3107 CONTROL SCHEMATIC		
NONE	*		









ITEM	LOCATION	MFR & PART #	NOTES
SAFE/HAZARD SELECTOR SWITCH	CONTROL ROOM	ALLEN BRADLEY 800T-H2A	PROVIDE IN A RECESSED BOX. PROVIDE ENGRAVED LEGEND PLATE "SAFE - HAZARD"
ACKNOWLEDGE PUSHBUTTON	CONTROL BOX IN ICU/TRAUMA OR THE OR	ALLEN BRADLEY 800T-B2D1	PROVIDE ENGRAVED LEGEND PLATE "ACKNOWLEDGE"
GREEN PILOT LIGHT	CONTROL BOX IN ICU/TRAUMA OR THE OR	ALLEN BRADLEY 800T-P16G	PROVIDE ENGRAVED LEGEND PLATE "SAFE"
YELLOW FLASHING PILOT LIGHT	CONTROL BOX IN ICU/TRAUMA OR THE OR	ALLEN BRADLEY 800T-PF16A	PROVIDE ENGRAVED LEGEND PLATE "HAZARD ACKNOWLEDGED"
CONTROL RELAY	CONTROL BOX IN ICU/TRAUMA OR THE OR	ALLEN BRADLEY 700-N400A1	
RED PILOT LIGHT/BUZZER	CONTROL BOX IN ICU/TRAUMA OR THE OR	CHINT NFM1-22/LC	PROVIDE ENGRAVED LEGEND PLATE "HAZARD"

NOTE:
PROVIDE A NEMA 1 SURFACE MOUNTED CONTROL BOX IN BOTH THE ICU/TRAUMA AND OR ROOMS TO CONTAIN ALL ITEMS LISTED ABOVE EXCEPT THE SELECTOR SWITCH. ALL ITEMS EXCEPT THE CONTROL RELAY SHALL BE MOUNTED ON THE CONTROL BOX FRONT. THE CONTROL RELAY SHALL BE MOUNTED INSIDE THE BOX.

SEQUENCE OF OPERATION:
WITH THE CONTROL ROOM SELECTOR SWITCH IN THE "SAFE" POSITION, THE GREEN LIGHT IS ILLUMINATED. WHEN AN OPERATOR IN THE CONTROL ROOM CHANGES THE SELECTOR SWITCH FROM "SAFE" TO "HAZARD", THE RED PILOT IS ILLUMINATED, THE BUZZER SOUNDS AND THE GREEN PILOT LIGHT GOES OUT. A STUDENT IN THE ASSOCIATED ICU/TRAUMA OR THE OR ROOM WILL NEED TO PUSH THE "ACKNOWLEDGE" PUSHBUTTON WHICH WILL CAUSE THE YELLOW PILOT LIGHT TO ILLUMINATE AND FLASH, THE RED PILOT LIGHT WILL GO OUT AND THE BUZZER WILL SILENCE. WHEN THE STUDENT UNPLUGS THE APPROPRIATE DEVICE TO BRING THE "SIMULATED" HAZARD CURRENT BACK BELOW THRESHOLD TO THE SATISFACTION OF THE CONTROL ROOM OPERATOR, THE OPERATOR WILL CHANGE THE SELECTOR SWITCH FROM "HAZARD" TO "SAFE" WHICH WILL CAUSE THE YELLOW FLASHING PILOT LIGHT TO GO OUT AND THE GREEN PILOT LIGHT WILL ILLUMINATE.

A1	ONE-LINE DIAGRAM	
NONE	*	

A9	SIMULATED LINE ISOLATION GROUND FAULT HAZARD CONTROL SCHEMATIC (TYPICAL FOR BOTH ICU/TRAUMA 3101 & OR 3103)	
NONE	*	

REV.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	4-24-09

ISSUED FOR CONSTRUCTION
4-24-09

CURRENT ISSUE STATUS:

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ONE-LINE DIAGRAM &
CONTROL SCHEMATICS
SHEET TITLE:

SCALE:	NONE	DATE:	4-24-09
PROJECT MANAGER:	CDP	GRAPHIC SCALE:	0" 1"
JOB CAP/DRAWN:	CDS		
A/E OF RECORD:	JPP	SHEET No.	EP651
SMRT CAD FILE:	EP651-08093		
PROJECT No.	08093-00		

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