GENERAL NOTES:

1. EXISTING WORK/EQUIPMENT IS SHOWN IN LIGHT LINES AND NEW WORK IS SHOWN IN DARK LINES.

PANEL: **702R** | V/PH/W: 120-208V/3PH/4W | AMPS: 100A MLO | AIC: 22 KAIC | LOCATION: PASSAGE TO STAIRS 7ST02 | ENCLOSURE: | MOUNTING: FLUSH

POLE NO.	CB (AMPS)	DESCRIPTION	WIRE	LOAD (kVA) LOAD	PH	LOAD	DESCRIPTION	WIRE	CB (AMPS)	POLE NO.
1	20/1	RECEPTACLES RM. 7E17	1#12, 1#12G	1.1	A	1.1	RECEPTACLES RM. 7E32	1#12, 1#12G	20/1	2
3	20/1	RECEPTACLES RM. 7E19	1#12, 1#12G	1.1	B	1.1	RECEPTACLES RM. 7E34	1#12, 1#12G	20/1	4
5	20/1	RECEPTACLES RM. 7E16	1#12, 1#12G	1.1	C	1.1	RECEPTACLES RM. 7E36	1#12, 1#12G	20/1	6
7	20/1	RECEPTACLES RM. 7E18	1#12, 1#12G	1.1	A	1.6	FCU RM. 7E17, 7E19, 7CE03	1#12, 1#12G	20/1	8
9	20/1	RECEPTACLES RM. 7E08	1#12, 1#12G	1.1	B	1.6	FCU RM. 7E14, 7E16, 7E18	1#12, 1#12G	20/1	10
11	20/1	RECEPTACLES RM. 7E06	1#12, 1#12G	1.1	C	1.6	FCU RM. 7E32, 7E34, 7E36	1#12, 1#12G	20/1	12
13	20/1	RECEPTACLES RM. 7E31	1#12, 1#12G	1.1	A	1.1	FCU RM. 7E29, 7E31	1#12, 1#12G	20/1	14
15	20/1	RECEPTACLES RM. 7E33	1#12, 1#12G	1.1	B	1.1	FCU RM. 7E33, 7E35	1#12, 1#12G	20/1	16
17	20/1	RECEPTACLES RM. 7E35	1#12, 1#12G	1.1	C	1.0	RECEPT STRIP MOLD RM. 7E10	1#12, 1#12G	20/1	18
19	20/1	RECEPTACLES RM. 7E09	1#12, 1#12G	1.1	A	1.1	FCU RM. 7E20	1#12, 1#12G	20/1	20
21	20/1	RECEPTACLES RM. 7E07	1#12, 1#12G	1.1	B	0.2	RECEPT. JANITOR CORR 7CE02	1#10, 1#10G	30/1	22
23	20/1	RECEPTACLES RM. 7E05	1#12, 1#12G	1.1	C	0.2	RECEPT. JANITOR CORR 7CE03	1#10, 1#10G	30/1	24
25	20/1	RECEPT STRIP MOLD RM. 7E10	1#12, 1#12G	1.0	A	0.2	RECEPT. JANITOR CORR 7CE01	1#10, 1#10G	30/1	26
27	20/1	RECEP 7E20A,7E27,7E29, 7E22	1#12, 1#12G	1.1	B	–	SPARE	–	20/1	28
29	20/1	RECEPTACLES RM. 7E12	1#12, 1#12G	0.7	C	–	SPARE	–	20/1	30
31	20/1	RECEPT STRIP MOLD RM. 7E10	1#12, 1#12G	1.0	A	–	SPARE	–	20/1	32
33	20/1	RECEPT STRIP MOLD RM. 7E10	1#12, 1#12G	1.0	B	–	SPARE	–	20/1	34
35	20/1	SPARE	–	–	C	–	SPARE	–	20/1	36
37	20/1	SPARE	–	–	A	–	SPARE	–	20/1	38
39	20/1	SPARE	–	–	B	–	SPARE	–	20/1	40
41	20/1	SPARE	–	–	C	–	SPARE	–	20/1	42

TOTALS (kVA):	
PHASE A	11.5
PHASE B	10.5
PHASE C	9.0
TOTAL:	31.0

LOAD TYPE	LOAD (kVA) CONN	DF	DEMAND
LIGHTING		1.00	
RECEPTACLE	22.9	NEC	26.4
HEATING	8.1	--	8.1
A/C	–	--	–
MOTORS	–	--	–
OTHER	–	1.00	–
TOTALS	31.0	---	24.5

OPTIONS AND ACCESSORIES:

PANEL NOTES:
1. ALL UNUSED BREAKERS IN THE PANEL SHALL BE LABELED SPARE.
2. CIRCUIT BREAKERS SHALL BE "BOLT-IN" TYPE WITH TRIP INDICATOR WINDOW.
3. INSTALL A MINIMUM OF FOUR 3/4" AND ONE 1" SPARE CONDUITS STUBBED INTO CEILING FROM NEW PANEL.

PANEL: **7PE** | V/PH/W: 120-208V/3PH/4W | AMPS: 100A MCB | AIC: 22 KAIC | LOCATION: CORRIDOR 7CE04 | ENCLOSURE: | MOUNTING: FLUSH

POLE NO.	CB (AMPS)	DESCRIPTION	WIRE	LOAD (kVA) LOAD	PH	LOAD	DESCRIPTION	WIRE	CB (AMPS)	POLE NO.
1	20/1	FCU RM. 7E13A,7E12,7E10	1#12, 1#12G	1.6	A	0.9	RECEPT. RM. 7E02, 7S01	1#12, 1#12G	20/1	2
3	20/1	FCU RM. 7E06, 7E08, 7CN01	1#12, 1#12G	1.6	B	0.9	RECEPTACLES RM. 7E04	1#12, 1#12G	20/1	4
5	20/1	FCU RM. 7E11, 7E23	1#12, 1#12G	1.1	C	0.9	RECEPTACLES RM. 7E01	1#12, 1#12G	20/1	6
7	20/1	RECEPTACLES RM. 7E23	1#12, 1#12G	0.8	A	0.4	RECEP RM 7E22	1#12, 1#12G	20/1	8
9	20/1	RECEPTACLES RM. 7E11	1#12, 1#12G	0.9	B	1.1	RECEPTACLES RM. 7E20	1#12, 1#12G	20/1	10
11	20/1	RECEPTACLES CORR. 7CE01	1#12, 1#12G	0.8	C	0.8	RECEPTACLES RM. 7E13	1#12, 1#12G	20/1	12
13	20/1	SPARE	–	–	A	1.1	RECEPTACLES RM. 7E13	1#12, 1#12G	20/1	14
15	20/1	FCU RM. 7E05, 7E07, 7E09	1#12, 1#12G	1.6	B	1.5	RECEP REFRIGERATOR RM. 7E20	1#12, 1#12G	20/1	16
17	20/1	FCU RM. 7E02, 7CS01	1#12, 1#12G	1.1	C	–	SPARE	–	20/1	18
19	20/1	SPARE	–	–	A	–	SPARE	–	20/1	20
21	20/1	SPARE	–	–	B	0.7	RECEP RM 7E25	1#12, 1#12G	20/1	22
23	20/1	SPARE	–	–	C	0.2	RECEP RM 7E28	1#12, 1#12G	20/1	24
25	20/1	SPARE	–	–	A	–	SPARE	–	20/1	26
27	20/1	SPARE	–	–	B	–	SPARE	–	20/1	28
29	20/1	SPARE	–	–	C	–	SPARE	–	20/1	30

TOTALS (kVA):	
PHASE A	4.8
PHASE B	8.3
PHASE C	4.9
TOTAL:	18.0

LOAD TYPE	LOAD (kVA) CONN	DF	DEMAND
LIGHTING	–	1.00	
RECEPTACLE	11.0	NEC	10.5
HEATING		--	
A/C	7.0	--	7.0
MOTORS	–	--	–
OTHER	–	1.00	–
TOTALS	18.0	---	17.5

OPTIONS AND ACCESSORIES:

PANEL NOTES:
1. ALL UNUSED BREAKERS IN THE PANEL SHALL BE LABELED SPARE.
2. CIRCUIT BREAKERS SHALL BE "BOLT-IN" TYPE WITH TRIP INDICATOR WINDOW.
3. INSTALL A MINIMUM OF FOUR 3/4" AND ONE 1" SPARE CONDUITS STUBBED INTO CEILING FROM NEW PANEL..

PANEL: **702-H** | V/PH/W: 277-480V/3PH/4W | AMPS: 100A MLO | AIC: 25 KAIC | LOCATION: NURSE STATION 7W13 | ENCLOSURE: | MOUNTING: FLUSH

POLE NO.	CB (AMPS)	DESCRIPTION	WIRE	LOAD (kVA) LOAD	PH	LOAD	DESCRIPTION	WIRE	CB (AMPS)	POLE NO.
1	20/1	LIGHTS RM. 7E17, 7E19	1#12, 1#12G	0.4	A	0.4	LIGHTS RM. 7E08, 7E06	1#12, 1#12G	20/1	2
3	20/1	LIGHTS RM. 7E16, 7E18	1#12, 1#12G	0.4	B	0.6	LIGHTS RM. 7E05, 7E07, 7E09	1#12, 1#12G	20/1	4
5	20/1	LIGHTS RM. 7E32, 7E34, 7E36	1#12, 1#12G	0.6	C	0.6	LIGHTS RM. 7E31, 7E33, 7E35	1#12, 1#12G	20/1	6
7	20/1	LIGHTS CORR 7CE02	1#12, 1#12G	0.3	A	0.6	LIGHTS CORR 7CE01,7CE02,7CE04	1#12, 1#12G	20/1	8
9	20/1	LIGHTS RM. 7E37	1#12, 1#12G	0.2	B	0.6	LIGHT RM. 7E20,20A,24,27,29	1#12, 1#12G	20/1	10
11	20/1	LIGHTS RM. 7E10, 7E12	1#12, 1#12G	0.4	C	0.4	LIGHTS RM. 7E11, 7E21, 7E23	1#12, 1#12G	20/1	12
13	20/1	LIGHTS RM. 7E01, 7E04	1#12, 1#12G	0.4	A	0.6	LIGHTS RM.7E02,7E03,7S01,7CS01	1#12, 1#12G	20/1	14
15	20/1	LIGHTS RM. 7E14, 7E15, 7E28	1#12, 1#12G	0.2	B	0.6	LIGHTS 7CE02,7CS01,7CN01	1#12, 1#12G	20/1	16
17	20/1	LIGHTS CORR 7CE03	1#12, 1#12G	0.3	C	–	SPARE	–	20/1	18
19	20/1	SPARE	–	–	A	–	SPARE	–	20/1	20
21	20/1	SPARE	–	–	B	–	SPARE	–	20/1	22
23	20/1	SPARE	–	–	C	–	SPARE	–	20/1	24
25	20/1	SPARE	–	–	A	–	SPARE	–	20/1	26
27	20/1	SPARE	–	–	B	–	SPARE	–	20/1	28
29	20/1	SPARE	–	–	C	–	SPARE	–	20/1	30

TOTALS (kVA):	
PHASE A	2.7
PHASE B	2.6
PHASE C	2.3
TOTAL:	7.6

LOAD TYPE	LOAD (kVA) CONN	DF	DEMAND
LIGHTING	7.6	1.00	7.6
RECEPTACLE		NEC	
HEATING	–	--	–
A/C	–	--	–
MOTORS	–	--	–
OTHER	–	1.00	–
TOTALS	7.6	---	7.6

OPTIONS AND ACCESSORIES:

PANEL NOTES:
1. ALL UNUSED BREAKERS IN THE PANEL SHALL BE LABELED SPARE.
2. CIRCUIT BREAKERS SHALL BE "BOLT-IN" TYPE WITH TRIP INDICATOR WINDOW.
3. INSTALL A MINIMUM OF FOUR 3/4" AND ONE 1" SPARE CONDUITS STUBBED INTO CEILING FROM NEW PANEL.

PANEL: **702L** | V/PH/W: 120-208V/3PH/4W | AMPS: 100A MCB | AIC: 22 KAIC | LOCATION: PASSAGE TO STAIRS 7ST02 | ENCLOSURE: | MOUNTING: FLUSH

POLE NO.	CB (AMPS)	DESCRIPTION	WIRE	LOAD (kVA) LOAD	PH	LOAD	DESCRIPTION	WIRE	CB (AMPS)	POLE NO.
1	* 20/2	HEAT TRACE CABLE	1#12, 1#12G	0.7	A	0.2	EH-1 RM. 7E29	1#12, 1#12G	20/1	2
3			1#12 –	0.7	B	–	SPARE	–	20/1	4
5	* 20/2	HEAT TRACE CABLE	1#10, 1#12G	0.9	C	–	SPARE	–	20/1	6
7			1#10 –	0.9	A	–	SPARE	–	20/1	8
9	20/1	SPARE	–	–	B	–	SPARE	–	20/1	10
11	20/1	SPARE	–	–	C	–	SPARE	–	20/1	12
13	20/1	SPARE	–	–	A	–	SPARE	–	20/1	14
15	20/1	SPARE	–	–	B	–	SPARE	–	20/1	16
17	20/1	CHARGING STAT. RM. 7E17, 7E19	1#12, 1#12G	0.4	C	0.4	CHARGING STAT. RM. 7E16, 7E18	1#12, 1#12G	20/1	18
19	20/1	CHARGING STAT. 7E05,7E07,7E09	1#12, 1#12G	0.4	A	0.6	CHARGING STAT. 7E32,7E34,7E36	1#12, 1#12G	20/1	20
21	20/1	CHARGING STAT. 7E31,7E33,7E35	1#12, 1#12G	0.6	B	0.4	CHARGING STAT. RM. 7E06, 7E08	1#12, 1#12G	20/1	22
23	20/1	RECEP LIFT & SCALE 7CE01,02	1#12, 1#12G	0.4	C	–	SPARE	–	20/1	24
25	20/1	SPARE	–	–	A	–	SPARE	–	20/1	26
27	20/1	SPARE	–	–	B	–	SPARE	–	20/1	28
29	20/1	SPARE	–	–	C	–	SPARE	–	20/1	30
31	20/1	SPARE	–	–	A	–	SPARE	–	20/1	32
33	20/1	SPARE	–	–	B	–	SPARE	–	20/1	34
35	20/1	SPARE	–	–	C	–	SPARE	–	20/1	36
37	20/1	SPARE	–	–	A	–	SPARE	–	20/1	38
39	20/1	SPARE	–	–	B	–	SPARE	–	20/1	40
41	20/1	SPARE	–	–	C	–	SPARE	–	20/1	42

TOTALS (kVA):	
PHASE A	2.8
PHASE B	1.7
PHASE C	2.1
TOTAL:	6.6

LOAD TYPE	LOAD (kVA) CONN	DF	DEMAND
LIGHTING		1.00	
RECEPTACLE	0.4	NEC	0.4
HEATING	3.4	--	3.4
A/C	–	--	–
MOTORS	2.8	--	2.8
OTHER	–	1.00	–
TOTALS	6.6	---	6.6

OPTIONS AND ACCESSORIES:

PANEL NOTES:
1. ALL UNUSED BREAKERS IN THE PANEL SHALL BE LABELED SPARE.
2. CIRCUIT BREAKERS SHALL BE "BOLT-IN" TYPE WITH TRIP INDICATOR WINDOW.
3. INSTALL A MINIMUM OF FOUR 3/4" AND ONE 1" SPARE CONDUITS STUBBED INTO CEILING FROM NEW PANEL.
4. * INDICATES A GFI PROTECTED CIRCUIT BREAKER.

PANEL: **C7** | V/PH/W: 120-208V/3PH/4W | AMPS: 125A MCB | AIC: 22 KAIC | LOCATION: ELEC CLOSET 7N01 | ENCLOSURE: | MOUNTING: SURFACE

POLE NO.	CB (AMPS)	DESCRIPTION	WIRE	LOAD (kVA) LOAD	PH	LOAD	DESCRIPTION	WIRE	CB (AMPS)	POLE NO.
1	20/1	RECEPTACLES RM. 7E17	1#10, 1#10G	0.7	A	0.7	RECEPTACLES RM. 7E16	1#10, 1#10G	20/1	2
3	20/1	RECEPTACLES RM. 7E19	1#10, 1#10G	0.7	B	0.7	RECEPTACLES RM. 7E18	1#10, 1#10G	20/1	4
5	20/1	RECEPTACLES RM. 7E05	1#12, 1#12G	0.7	C	1.1	RECEPTACLES RM. 7CS03	1#12, 1#12G	20/1	6
7	20/1	RECEPTACLES RM. 7E07	1#12, 1#12G	0.7	A	0.6	LIGHTS RM. 7W09, 7W11	1#12, 1#12G	20/1	8
9	20/1	RECEPTACLES RM. 7E09	1#12, 1#12G	0.7	B	0.6	LIGHTS RM. 7W06, 7W08	1#12, 1#12G	20/1	10
11	20/1	RECEPTACLES RM. 7E06	1#12, 1#12G	0.7	C	1.1	RECEPTACLES RM. 7CS03	1#12, 1#12G	20/1	12
13	20/1	RECEPTACLES RM. 7E08	1#12, 1#12G	0.7	A	1.1	RECEPTACLES RM. 7CS03	1#12, 1#12G	20/1	14
15	20/1	RECEPTACLES RM. 7E32	1#10, 1#10G	0.7	B	1.1	RECEPTACLES RM. 7W100	1#12, 1#12G	20/1	16
17	20/1	RECEPTACLES RM. 7E34	1#10, 1#10G	0.7	C	0.4	RECEP TELEMETRY 7CE01,7CE03	1#10, 1#10G	20/1	18
19	20/1	RECEPTACLES RM. 7E36	1#10, 1#10G	0.7	A	0.3	DOOR OPER.7E03,7E10,7E15	1#12, 1#12G	20/1	20
21	20/1	RECEPTACLES RM. 7E31	1#10, 1#10G	0.7	B	1.0	RECEP DISPEN ROBOT RM. 7E22	1#12, 1#12G	20/1	22
23	20/1	RECEPTACLES RM. 7E33	1#10, 1#10G	0.7	C	0.1	GAS ALARM PANEL RM. 7E13	1#12, 1#12G	20/1	24
25	20/1	RECEPTACLES RM. 7E35	1#10, 1#10G	0.7	A	0.8	RECEPTACLES RM. 7E13	1#12, 1#12G	20/1	26
27	20/1	LIGHTS RM. 7E08, 7E06	1#12, 1#12G	0.6	B	0.8	RECEPTACLES RM. 7E13	1#12, 1#12G	20/1	28
29	20/1	LIGHTS RM. 7E17, 7E19	1#10, 1#10G	0.6	C	0.9	LIGHTS RM. 7E32, 7E34, 7E36	1#10, 1#10G	20/1	30
31	20/1	LIGHTS RM. 7E16, 7E18	1#10, 1#10G	0.6	A	0.9	LIGHTS RM. 7E31, 7E33, 7E35	1#10, 1#10G	20/1	32
33	20/1	LIGHTS RM. 7E05, 7E07, 7E09	1#12, 1#12G	0.9	B	0.9	LIGHTS RM. 7E13, 7E13A, 7E22	1#12, 1#12G	20/1	34
35	20/1	RECEPTACLES RM. 7W100	1#12, 1#12G	0.9	C	1.1	TORNADO,CHAR STA 7CE01,02,03	1#12, 1#12G	20/1	36
37	50/3	PANEL C7-2	1#4, 1#10G	3.5	A	1.1	RECEPTACLES RM. 7CS03	1#12, 1#12G	20/1	38
39			1#4, 1#10G	3.5	B	0.7	RECEP MED CARTS,CRASH CARTS	1#12, 1#12G	20/1	40
41			1#4, 1#10G	3.5	C	0.2	LIGHTS CHAR STAT 7CW01,02,03	1#12, 1#12G	20/1	42

TOTALS (kVA):	
PHASE A	13.1
PHASE B	13.6
PHASE C	12.7
TOTAL:	39.4

LOAD TYPE	LOAD (kVA) CONN	DF	DEMAND
LIGHTING	6.8	1.00	6.8
RECEPTACLE	21.7	NEC	15.8
HEATING	–	--	–
A/C	–	--	–
MOTORS	0.3	--	0.3
OTHER	10.6	1.00	10.6
TOTALS	39.4	---	25.6

OPTIONS AND ACCESSORIES:

PANEL NOTES:
1. ALL UNUSED BREAKERS IN THE PANEL SHALL BE LABELED SPARE.
2. CIRCUIT BREAKERS SHALL BE "BOLT-IN" TYPE WITH TRIP INDICATOR WINDOW.
3. INSTALL A MINIMUM OF FOUR 3/4" AND ONE 1" SPARE CONDUITS STUBBED INTO CEILING FROM NEW PANEL.

PANEL: **8LS** | V/PH/W: 120-208V/3PH/4W | AMPS: 100A MCB | AIC: 22K AIC | LOCATION: ELECTRICAL CLOSET 8W04 (8TH FLOOR) | ENCLOSURE: | MOUNTING: SURFACE

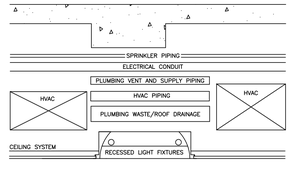
POLE NO.	CB (AMPS)	DESCRIPTION	WIRE	LOAD (kVA) LOAD	PH	LOAD	DESCRIPTION	WIRE	CB (AMPS)	POLE NO.
1	20/1	SPARE		–	A	–	EMERGENCY LIGHTS 7TH FLOOR		20/1	2
3	20/1	EMERGENCY LIGHTS 7TH FLOOR		–	B	–	SPARE		20/1	4
5	20/1	SPARE		–	C	–	SPARE		20/1	6
7	20/1	EXIT LIGHTS 6TH FLOOR		–	A	–	SPARE		20/1	8
9	20/1	TELE ROOM 6W		–	B	–	EMERGENCY LIGHTS 6TH FLOOR		20/1	10
11	20/1	NURSE CALL STATION 6E			C	–	EXIT LIGHTS 7TH FLOOR		20/1	12
13	20/1	EMERGENCY LIGHTS 7E FLOOR	1#10, 1#10G	0.8	A	–	SPARE		20/1	14
15	20/1	SPARE		–	B	–			20/1	16
17	20/1			–	C	–			20/1	18
19	20/1			–	A	–			20/1	20

TOTALS (kVA):	
PHASE A	
PHASE B	
PHASE C	
TOTAL:	

LOAD TYPE	LOAD (kVA) CONN	DF	DEMAND
LIGHTING	–	1.00	–
RECEPTACLE	–	NEC	–
HEATING	–	--	–
A/C	–	--	–
MOTORS	–	--	–
OTHER	–	1.00	–
TOTALS	–	---	–

OPTIONS AND ACCESSORIES:

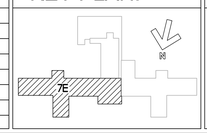
PANEL NOTES:
1. ALL UNUSED BREAKERS IN THE PANEL SHALL BE LABELED SPARE.
2. CIRCUIT BREAKERS SHALL BE "BOLT-IN" TYPE WITH TRIP INDICATOR WINDOW.



FULLY SPRINKLERED FOR CONSTRUCTION

Revisions:	Date

KEY PLAN:



STAMP:

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Drawing Title	ELECTRICAL PANELBOARD SCHEDULES
Project Title	RENOVATE INPATIENT MEDICAL/SURGICAL WARD 7E
Project Number	R636A8-10-001
Building Number	1
Approved: Project Director	
Location	Iowa City VA Medical Center
Date	07/07/2009
Checked	FM
Drawn	FM
Drawing Number	1-E11
Dwg. 33 of 44	

Office of Construction and Facilities Management
Department of Veterans Affairs

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