PANEL 7CEQ

SURFACE MOUNTED 125A MLO PANEL
FOR 120/208V 3ø 4W SERVICE
INTERRUPTING RATING: 10,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	PHASE LOAD VA C	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	30	2	WINDOW A/C DAYROOM	2330			WINDOW A/C MED RM	30	2	2
				2330						
3	–	–	–		2330		–	–	–	4
					2330					
5	30	2	WINDOW A/C DAYROOM			2300	SPACE ONLY	–	–	6
						–				
7	–	–	–	2330			SPACE ONLY	–	–	8
				–						
9	–	–	SPACE ONLY		–		WINDOW A/C CONF RM	30	2	10
					2330					
11	–	–	SPACE ONLY			–	–	–	–	12
						2330				
13	30	3	AHU (3 HP)	1300			TELCOM RECP	20	1	14
				1000						
15	–	–	–		1300		MED ROOM RECP	20	1	16
					1000					
17	–	–	–			1300	DAY ROOM RECP	20	1	18
						1000				
19	20	1	SPARE	–			NURSE RECP	20	1	20
				1000						
21	20	1	SPARE		–		SPARE	20	1	22
					–					
23	20	1	SPARE			–	SPARE	20	1	24
						–				
25	–	–	SPACE ONLY	–			SPACE ONLY	–	–	26
				–						
27	–	–	SPACE ONLY		–		SPACE ONLY	–	–	28
					–					
29	–	–	SPACE ONLY			–	SPACE ONLY	–	–	30
						–				

NOTE: LOADS SHOWN IN PANEL ARE EXISTING, AND SHALL BE EXTENDED FROM EXISTING PANELS "7CN," "7CAC," & "7CLS" AS REQUIRED.

PANEL 7CN

SURFACE MOUNTED 225A MCB PANEL
FOR 120/208V 3ø 4W SERVICE
INTERRUPTING RATING: 14,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	PHASE LOAD VA C	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	20	1	EXISTING LOAD	–			EXISTING LOAD	20	1	2
				–						
3	20	1	EXISTING LOAD		–		EXISTING LOAD	20	1	4
					–					
* 5	20	1	EXISTING LOAD			–	EXISTING LOAD	20	1	6
						–				
* 7	20	1	EXISTING LOAD	–			EXISTING LOAD	20	1	8
				–						
9	20	1	EXISTING LOAD		–		SPARE	20	1	10
					–					
11	20	1	EXISTING LOAD			–	EXISTING LOAD	40	2	12
						–				
13	20	1	SPARE	–			–	–	–	14
				–						
15	20	1	EXISTING LOAD		–		EXISTING LOAD	30	1	16
					–					
17	20	1	EXISTING LOAD			–	EXISTING LOAD	20	1	18 *
						–				
19	20	1	EXISTING LOAD	–			EXISTING LOAD	20	1	20
				–						
* 21	20	1	EXISTING LOAD		–		EXISTING LOAD	20	1	22
					–					
23	20	1	EXISTING LOAD			–	SPACE ONLY	–	–	24
						–				
25	20	1	EXISTING LOAD	–			SPACE ONLY	–	–	26
				–						
27	30	2	EXISTING LOAD		–		SPACE ONLY	–	–	28
					–					
29	–	–	–			–	SPARE	20	1	30
						–				
31	30	2	EXISTING LOAD	–			EXISTING LOAD	30	3	32
				–						
33	–	–	–		–		–	–	–	34
					–					
35	30	2	EXISTING LOAD			–	–	–	–	36
						–				
37	–	–	–	–			EXISTING LOAD	30	3	38
				–						
39	30	2	EXISTING LOAD		–		–	–	–	40
					–					
41	–	–	–			–	–	–	–	42
						–				
43	–	–	SPACE ONLY	–			PANEL "7CEQ" (TSX)	125	3	44
				8960						
45	–	–	SPACE ONLY		–		–	–	–	46
					5630					
47	–	–	SPACE ONLY			–	–	–	–	48
						5630				

* GFI CIRCUIT BREAKER

PANEL 7EQD

SURFACE MOUNTED 125A MCB PANEL
FOR 120/208V 3ø 4W SERVICE
INTERRUPTING RATING: 14,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	PHASE LOAD VA C	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	125	3	PANEL "7CX" (TSX)	8290			PANEL "7BX" (TSX)	125	3	2
				8290						
3	–	–	–		8290		–	–	–	4
					5960					
5	–	–	–			5960	–	–	–	6
						8290				
7	–	–	SPACE ONLY	–			SPACE ONLY	–	–	8
				–						
9	–	–	SPACE ONLY		–		SPACE ONLY	–	–	10
					–					
11	–	–	SPACE ONLY			–	SPACE ONLY	–	–	12
						–				

PANEL 7CLS

SURFACE MOUNTED 100A MLO PANEL
FOR 120/240V 1ø 3W SERVICE
INTERRUPTING RATING: 10,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	20	1	LIFE SAFETY LIGHTS	1000		SPARE	20	1	2
				–					
3	20	1	LIFE SAFETY LIGHTS		1000	SPARE	20	1	4
					–				
5	20	1	FIRE ALARM	1000		SPARE	20	1	6
				–					
7	20	1	FIRE ALARM		1000	SPACE ONLY	–	–	8
					–				
9	–	–	SPACE ONLY	–		SPACE ONLY	–	–	10
				–					
11	–	–	SPACE ONLY		–	SPACE ONLY	–	–	12
					–				

PANEL 7BLS

SURFACE MOUNTED 100A MLO PANEL
FOR 120/240V 1ø 3W SERVICE
INTERRUPTING RATING: 10,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	20	1	LIFE SAFETY LIGHTS	1000		SPARE	20	1	2
				–					
3	20	1	LIFE SAFETY LIGHTS		1000	SPARE	20	1	4
					–				
5	20	1	FIRE ALARM	1000		SPARE	20	1	6
				–					
7	20	1	FIRE ALARM		1000	SPACE ONLY	–	–	8
					–				
9	–	–	SPACE ONLY	–		SPACE ONLY	–	–	10
				–					
11	–	–	SPACE ONLY		–	SPACE ONLY	–	–	12
					–				

TRANSFORMER SCHEDULE

DESIGNATION	SIZE (KVA)	PRIMARY	SECONDARY	REMARKS
T7EQD	75	480V	120/208V–3ø	NEMA 1

NOTE: PROVIDE 4" THICK CONCRETE "HOUSE KEEPING PAD" BELOW EACH FLOOR MOUNTED DRY TYPE TRANSFORMER AND SWITCHBOARD.

TRANSFER SWITCH SCHEDULE

DESIGNATION	SIZE (AMPS)	VOLTAGE	REMARKS
TXS–7BEQ	125	120/208V–3ø	NEMA 1, NO EXERCISER
TXS–7CEQ	125	120/208V–3ø	NEMA 1, NO EXERCISER

PANEL 7BEQ

SURFACE MOUNTED 125A MLO PANEL
FOR 120/208V 3ø 4W SERVICE
INTERRUPTING RATING: 10,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	PHASE LOAD VA C	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	30	2	WINDOW A/C DAYROOM	2330			SPACE ONLY	–	–	2
				–						
3	–	–	–		2330		SPACE ONLY	–	–	4
					–					
5	30	2	WINDOW A/C DAYROOM			2300	WINDOW A/C MED RM	30	2	6
						2300				
7	–	–	–	2330			–	–	–	8
				2300						
9	–	–	SPACE ONLY		–		WINDOW A/C CONF RM	30	2	10
					2330					
11	–	–	SPACE ONLY			–	–	–	–	12
						2330				
13	30	3	AHU (3 HP)	1300			TELCOM RECP	20	1	14
				1000						
15	–	–	–		1300		MED ROOM RECP	20	1	16
					1000					
17	–	–	–			1300	DAY ROOM RECP	20	1	18
						1000				
19	20	1	SPARE	–			NURSE RECP	20	1	20
				1000						
21	20	1	SPARE		–		SPARE	20	1	22
					–					
23	20	1	SPARE			–	SPARE	20	1	24
						–				
25	–	–	SPACE ONLY	–			SPACE ONLY	–	–	26
				–						
27	–	–	SPACE ONLY		–		SPACE ONLY	–	–	28
					–					
29	–	–	SPACE ONLY			–	SPACE ONLY	–	–	30
						–				

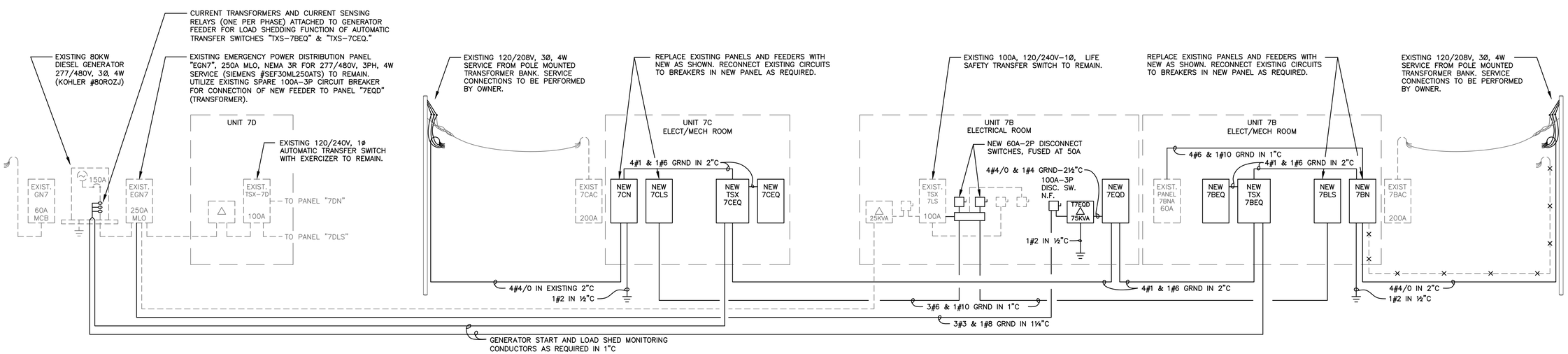
NOTE: LOADS SHOWN IN PANEL ARE EXISTING, AND SHALL BE EXTENDED FROM EXISTING PANELS "7BN," "7BAC," & "7BLS" AS REQUIRED.

PANEL 7BN

SURFACE MOUNTED 225A MCB PANEL
FOR 120/208V 3ø 4W SERVICE
INTERRUPTING RATING: 14,000 AMPS

CKT NO.	TRIP AMPS	NO. POLES	LOAD SERVED	PHASE LOAD VA A	PHASE LOAD VA B	PHASE LOAD VA C	LOAD SERVED	TRIP AMPS	NO. POLES	CKT NO.
1	20	1	EXISTING LOAD	–			EXISTING LOAD	20	1	2
				–						
3	20	1	SPARE		–		EXISTING LOAD	20	1	4
					–					
* 5	20	1	EXISTING LOAD			–	EXISTING LOAD	20	1	6
						–				
7	20	1	EXISTING LOAD	–			EXISTING LOAD	20	1	8
				–						
* 9	20	1	EXISTING LOAD		–		EXISTING LOAD	20	1	10
					–					
11	30	2	EXISTING LOAD			–	EXISTING LOAD	20	1	12
						–				
13	–	–	–	–			EXISTING LOAD	20	1	14 *
				–						
15	20	1	EXISTING LOAD		–		EXISTING LOAD	20	1	16
					–					
17	20	1	EXISTING LOAD			–	EXISTING LOAD	20	1	18
						–				
19	20	1	SPARE	–			EXISTING LOAD	20	1	20
				–						
21	20	1	EXISTING LOAD		–		EXISTING LOAD	20	1	22
					–					
23	20	1	EXISTING LOAD			–	EXISTING LOAD	20	1	24
						–				
25	20	1	EXISTING LOAD	–			EXISTING LOAD	20	1	26
				–						
27	20	1	EXISTING LOAD		–		EXISTING LOAD	20	1	28
					–					
29	30	2	EXISTING LOAD			–	SPACE ONLY	–	–	30
						–				
31	–	–	–	–			SPACE ONLY	–	–	32
				–						
33	30	2	EXISTING LOAD		–		SPACE ONLY	–	–	34
					–					
35	–	–	–			–	EXISTING LOAD	60	2	36
						–				
37	–	–	SPACE ONLY	–			–	–	–	38
				–						
39	–	–	SPACE ONLY		–		EXISTING LOAD	30	1	40
					–					
41	–	–	SPACE ONLY			–	EXISTING LOAD	30	1	42
						–				
43	60	3	EXISTING PANEL 7BNA	–			PANEL "7BEQ" (TSX)	125	3	44
				8290						
45	–	–	–		–		–	–	–	46
					5960					
47	–	–	–			–	–	–	–	48
						8290				

* GFI CIRCUIT BREAKER



PARTIAL ELECTRICAL RISER DIAGRAM

SCALE: NONE

GENERAL NOTES:

1. ITEMS SHOWN DASHED AND IN GREY ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. ITEMS MARKED WITH "X" HATCHING SHALL BE DEMOLISHED.

CALL LOUISIANA ONE–CALL BEFORE DIGGING (800) 272–3020

EXISTING UNDERGROUND UTILITIES

THE LOCATION OF SOME EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

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CLIENT:
State of Louisiana
Department of Health and Hospitals
CENTRAL STATE HOSPITAL
242 W. Shamrock Ave. Pineville, Louisiana 71360

PROJECT:
LIFE SAFETY ELECTRICAL UPGRADES FOR UNITS 7B & 7C PATIENT DORMITORIES
CENTRAL STATE HOSPITAL - PINEVILLE, LA

STATE OF LOUISIANA
RAYMOND L DUNN, JR.
REG. NO. 18662
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL ENGINEERING
7-29-16

PROJECT NO.	2016.001

REVISION#	DATE	BY

DESIGN BY:	MAN
CHECKED BY:	RJD
DATE:	JULY 2016
SCALE:	AS SHOWN

E2

SHEET 2 OF 2