

ARCHITECTURE
SCOTT MARTSOLF - ARCHITECT

815 Daggett Avenue
Fort Worth, Texas 76104
Phone: (817) 820-0005

**ST. JUDE
CATHOLIC
CHURCH**

**PARISH HALL
REMODEL &
CONNECTOR**

500 E DALLAS ST.
MANSFIELD, TX 76063

12/29/23 ADDENDUM #1

PERMIT SET

Drawing Title:

PANELBOARD & LIGHT
FIXTURE SCHEDULES

Project No.
2307

Date:
1/12/2024

Sheet No.

E6.2



MEP Consultant
Rene A. Culross
Rene A. Culross, P.E., PLLC
1820 Hunting Green Drive
Fort Worth, TX 76134
817-798-6642
raculross@gmail.com
F-12230

PANEL "C" LOCATION: PANTRY FED FROM: UTILITY		OC DEVICE TYPE: BREAKER DEVICE FAMILY: BOLT ON		ENCLOSURE: NEMA 1 MOUNTING: SURFACE VOLTAGE: 208/120		MAINS(A): 400 MCB WIRING: 3-PHASE 4-WIRE		CONTINUOUS(A): 400 BUS SC RATING(A): 35000 FAULT CURRENT(A): 0					
OC AMPS P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B C	VA	CKT	DEMAND CODE	DESCRIPTION	NOTES	OC AMPS P
20 1	-	INTERIOR LIGHTING	LTG	1077	1	2914		2	1837	REC	KITCHEN EQUIPMENT - 2A	-	20 1
20 1	-	INTERIOR LIGHTING	LTG	750	3		2577	4	1827	REC	KITCHEN EQUIPMENT - 2B	-	20 1
20 1	-	INTERIOR RECEPTACLES	REC	900	5			6	1524	REC	KITCHEN EQUIPMENT - K3	-	20 1
20 1	-	INTERIOR RECEPTACLES	REC	360	7	2160	2424	8	1800	REC	KITCHEN EQUIPMENT - K4	-	20 1
30 2	-	KITCHEN EQUIPMENT - K10	REC	5034	9		4125	10	1608	REC	KITCHEN EQUIPMENT - K5	-	20 1
-	-	-	-	-	11			12	648	REC	KITCHEN EQUIPMENT - K6A	-	20 1
20 1	-	KITCHEN EQUIPMENT - K11A	REC	1440	13	2088		14	648	REC	KITCHEN EQUIPMENT - K6B	-	20 1
30 2	-	KITCHEN EQUIPMENT - K11B	REC	4992	15		3648	16	1152	REC	KITCHEN EQUIPMENT - K7A	-	20 1
-	-	-	-	-	17			18	1152	REC	KITCHEN EQUIPMENT - K7B	-	20 1
20 1	-	KITCHEN EQUIPMENT - K19	REC	1080	19	2080		20	1000	REC	KITCHEN EQUIPMENT - 17	-	20 1
20 1	-	KITCHEN EQUIPMENT - E1A	REC	1200	21		1546	22	346	REC	KITCHEN EQUIPMENT - 18	-	15 1
20 1	-	KITCHEN EQUIPMENT - E1B	REC	1200	23		2700	24	1500	REC	KITCHEN EQUIPMENT - K15	-	20 1
20 1	-	KITCHEN EQUIPMENT - E1C	REC	1200	25	4032		26	8496	COOL	RTU-PH-1	-	40 3
20 1	-	KITCHEN EQUIPMENT - E1D	REC	1200	27		4032	28	-	-	-	-	-
60 2	-	RTU-PH-2	COOL	14112	29			30	-	-	-	-	-
-	-	-	-	-	31	7536		32	11232	COOL	RTU-PH-3	-	50 3
-	-	-	-	-	33		7536	34	-	-	-	-	-
50 3	-	RTU-PH-4	COOL	11232	35			36	-	-	-	-	-
-	-	-	-	-	37	4176		38	1260	GEN	KEF-PH-1	-	20 2
-	-	-	-	-	39		4176	40	-	-	-	-	-
20 1	-	IWH-HP-1	GEN	87	41			42	-	-	-	-	-
20 1	-	KSF-PH-1	MTR	600	43	2100		44	3000	GEN	UH-PH-1	-	20 2
20 1	-	FLOOR RECEPTACLE	REC	1200	45		2700	46	-	-	-	-	-
20 1	-	FLOOR RECEPTACLE	REC	1200	47			48	1000	REC	KITCHEN EQUIPMENT - E1E	-	20 1
20 1	-	INTERIOR RECEPTACLE	REC	1200	49	2200	2200	50	1000	REC	KITCHEN EQUIPMENT - E1F	-	20 1
20 1	-	INTERIOR RECEPTACLE	REC	1200	51		2200	52	1000	REC	KITCHEN EQUIPMENT - E1G	-	20 1
20 1	-	INTERIOR RECEPTACLE	REC	1200	53		2200	54	1000	REC	KITCHEN EQUIPMENT - E1H	-	20 1
20 1	-	EXTERIOR RECEPTACLE	REC	180	55	1180		56	1000	REC	KITCHEN EQUIPMENT - E1I	-	20 1
20 1	-	EXTERIOR RECEPTACLE	REC	180	57		680	58	500	LTG	EXTERIOR LTG CONTACTOR	-	20 1
20 1	-	EXTERIOR RECEPTACLE	REC	360	59		860	60	500	LTG	EXTERIOR LIGHTING	-	20 1
20 1	-	EXTERIOR RECEPTACLE	REC	180	61	1380		62	1200	REC	KITCHEN EQUIP - E1J & E1K	-	20 1
20 1	-	KITCHEN EQUIP - E1S & E1T	REC	1200	63		2400	64	1200	REC	KITCHEN EQUIP - E1L & E1M	-	20 1
20 1	-	KITCHEN EQUIPMENT E1U	REC	1200	65		2400	66	1200	REC	KITCHEN EQUIP - E1N & E1P	-	20 1
20 1	-	KITCHEN EQUIPMENT E1V	REC	1200	67	2400		68	1200	REC	KITCHEN EQUIP - E1Q & E1R	-	20 1
20 1	-	KITCHEN EQUIPMENT E1W	REC	1200	69		1200	70	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	71			72	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	73	0		74	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	75	0		76	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	77	0		78	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	79	0		80	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	81	0		82	0	SPR	SPARE	-	20 1
20 1	-	SPARE	SPR	0	83	0		84	0	SPR	SPARE	-	20 1
ALL CONNECTED		KVA	MAX AMPS	* PHASE TOTALS		VA	AMPS	BUS TOTALS		KVA			
TOTAL CONNECTED		88.33	245.4	* A-N		34346.0	286.2	CONNECTED		108.62			
TOTAL DEMAND		88.33	245.4	* B-N		36820.0	306.8	DEMAND (125% LTG)		3.53			
TOTAL DESIGN		88.33	245.4	* C-N		38542.0	321.2	DEMAND (100% HVAC)		47.12			
								DEMAND (65% KIT)		37.68			
								DEMAND		88.33			
								DESIGN		88.33			

NOTES:
1. PROVIDE A NEMA 4X PANELBOARD COVER.

PANELBOARD NOTES ONLY

- EXISTING CIRCUIT BREAKER AND LOAD(S) TO REMAIN AS IS.
- DISCONNECT AND REMOVE EXISTING "BLANK" FILLER TO ALLOW NEW CIRCUIT BREAKER AS INDICATED.
- PROVIDE A NEW CIRCUIT BREAKER AS INDICATED. MATCH EXISTING MANUFACTURER AND AIC RATING.
- PROVIDE AN UPDATE PANELBOARD SCHEDULE.

LIGHT FIXTURE SCHEDULE									
MARK	TYPE OF LUMINAIRE	MANUFACTURE / CATALOG NUMBER	QTY-TYPE OF LAMP	MAXIMUM INPUT WATTS	INPUT VOLTAGE	ALLOCATED FIXTURE LOAD(VA)	MOUNTING	NOTES	
A	LED PENDANT LIGHT	WAC LIGHTING # PD-42918-BK	LED (2400 LUMENS)	41	120	41	PENDANT	1	
B	LED PENDANT LIGHT	WAC LIGHTING # PD-72718-BK	LED (2450 LUMENS)	33.5	120	33.5	PENDANT	1	
C	6" APERTURE DOWNLIGHT	LITHONIA LIGHTING # LDN6 30 20 L06 AR LSS 120	LED	26	120	26	RECESSED	1	
CE	6" APERTURE DOWNLIGHT	LITHONIA LIGHTING # LDN6 30 20 L06 AR LSS 120 EL	LED	26	120	26	RECESSED	1.2	
D	6" APERTURE DOWNLIGHT	LITHONIA LIGHTING # LDN6 30 20 L06 AR LSS 120	LED	26	120	26	RECESSED	1	
DE	6" APERTURE DOWNLIGHT	LITHONIA LIGHTING # LDN6 30 20 L06 AR LSS 120 EL	LED	26	120	26	RECESSED	1.2	
G	2 x 2 FLAT PANEL LIGHT	LITHONIA LIGHTING # EPANL2X2 3400LM 80CRI 35K ZT 120	LED	31	120	31	RECESSED	1	
GE	2 x 2 FLAT PANEL LIGHT	LITHONIA LIGHTING # EPANL2X2 3400LM 80CRI 35K E10WCP ZT 120	LED	31	120	31	RECESSED	1.2	
H	VANITY LIGHT	WAC LIGHTING # WS-77624-35-BK	LED	20.5	120	20.5	WALL	1	
J	4'-0" LED STRIPLIGHT	LITHONIA LIGHTING # ZLIN L48 ASR 3000LM ASR 120 30K 80 CRI WH HC36M12	LED	25	120	25	SUSPENDED	1	
JE	4'-0" LED STRIPLIGHT	LITHONIA LIGHTING # ZLIN L48 ASR 3000LM ASR 120 30K 80 CRI E10WLCF WH HC36M12	LED	25	120	25	SUSPENDED	1.2	
K	WALL PACK	PAC LIGHTS # FWPR/2-025-30	LED	25	120	25	WALL	1	
L	LIGHT BOLLARD	MATCH EXISTING BOLLARDS	LED	20	120	20	GRADE	1	
M	ACCENT LIGHT	LITHONIA LIGHTING # DSXF1-LED-P1-WFL-MVOLT-THK	LED	21	120	21	GRADE	1	
N	6" APERTURE DOWNLIGHT WITH GLASS LENS	CALIBER PLUS # SERIES 5LBVGM WGDW DECO GLASS LENS	LED	26	120	26	RECESSED	1	
P	4'-0" TRACK	JUNO TRACK # R4BL TRAC-MASTER LIMITER SWITCH # TCLF11BL TRACK HEAD # T259L G2 35K 80CRI PDIM BL	LED	60W PER HEAD (5 TOTAL)	120	300	SURFACE	1,3,4	
(RR)	EXISTING LIGHT FIXTURE	EXISTING RELOCATED LIGHT FIXTURE	-	-	120	-	GRADE	1	
(NL)	EXISTING RELOCATED LIGHT FIXTURE	EXISTING RELOCATED LIGHT FIXTURE	-	-	120	-	GRADE	1	
X1	EXIT SIGN W/EMERGENCY BUG-EYES	LITHONIA LIGHTING # LHQM LED R M6	LED	4.3	120	4.3	UNIVERSAL	1	
EBU	EMERGENCY BATTERY UNIT	COOPER LIGHTING SURE-LITE # AEL2-316K	LED	2.2	120	2.2	WALL	1	

- GENERAL NOTES:
1. PROVIDE ALL REQUIRED MOUNTING HARDWARE AND TRIM.
2. RE-USE EXISTING BALLAST DRIVER SWITCHING DETAIL FOR ADDITIONAL INFORMATION.
3. PROVIDE A 300 WATT LIMITER SWITCH, ONE (1) PER TRACK.
4. COORDINATE EXACT LOCATION WITH THE ARCHITECT RCP PLAN PRIOR TO INSTALLATION.

MECHANICAL EQUIPMENT / ELECTRICAL SCHEDULE BY SYMBOL "##"												
NO.	DESCRIPTION	UNIT SERVES	LOAD				DISCONNECT AT UNIT		CIRCUIT		NOTES	
			MCA	MOCP	kW OR HP	FLA	VOLTS/PH	TYPE	MOUNTING	NUMBER		WIRE SIZE
(RTU-PH-1)	ROOF TOP UNIT - PH - 1	KITCHEN AREA	29.5	40A	-	-	208 / 3	BY DIVISION 23	BY DIVISION 23	C-26.28.30	1" - 3#8, 1#10G	1
(RTU-PH-2)	ROOF TOP UNIT - PH - 2	EXIST. FACILITY	49.0	60A	-	-	208 / 3	BY DIVISION 23	BY DIVISION 23	C-29.31.33	1-1/4" - 3#4, 1#10G	1
(RTU-PH-3)	ROOF TOP UNIT - PH - 3	CONNECTOR	39.0	50A	-	-	208 / 3	BY DIVISION 23	BY DIVISION 23	C-32.34.36	1" - 3#6, 1#10G	1
(RTU-PH-4)	ROOF TOP UNIT - PH - 4	CONNECTOR	39.0	50A	-	-	208 / 3	BY DIVISION 23	BY DIVISION 23	C-35.37.39	1" - 3#6, 1#10G	1
(UH-PH-1)	UNIT HEATER - PH - 1	RISER ROOM	14.5	20A	-	-	208 / 1	30ANFANEMA 1	ADJACENT TO UNIT	C-44.46	3/4" - 3#12, 1#12G	1
(EF-PH-1)	EXHAUST FAN - PH - 1	EXIST TOILETS	-	20A	0.3 HP	-	120 / 1	BY DIVISION 23	BY DIVISION 23	B1-5	3/4" - 2#12, 1#12G	1
(EF-PH-2)	EXHAUST FAN - PH - 2	TOILETS	-	20A	85W	-	120 / 1	BY DIVISION 23	BY DIVISION 23	C-3	3/4" - 2#12, 1#12G	1
(EF-PH-3)	EXHAUST FAN - PH - 3	CRAWL SPACE	-	20A	0.17 HP	-	120 / 1	BY DIVISION 23	BY DIVISION 23	B1-5	3/4" - 2#12, 1#12G	1
(EF-PH-4)	EXHAUST FAN - PH - 4	CRAWL SPACE	-	20A	0.17 HP	-	120 / 1	BY DIVISION 23	BY DIVISION 23	B1-5	3/4" - 2#12, 1#12G	1
(KEF-PH-1)	KITCHEN EXHAUST FAN - PH - 1	KITCHEN HOOD	-	20A	0.75 HP	-	208 / 3	BY DIVISION 23	BY DIVISION 23	C-38.40.42	3/4" - 3#12, 1#12G	1
(KSF-PH-1)	KITCHEN SUPPLY FAN - PH - 1	KITCHEN HOOD	-	20A	0.33 HP	-	120 / 1	BY DIVISION 23	BY DIVISION 23	C-43	3/4" - 2#12, 1#12G	1
(IWH-1)	INSTANTANEOUS WATER HTR - 1	-	-	20A	3 KW	-	120 / 1	LOCKABLE C.B.	IN PANELBOARD	C-41	3/4" - 2#12, 1#12G	1
(IWH-2)	INSTANTANEOUS WATER HTR - 2	-	-	20A	3 KW	-	208 / 1	LOCKABLE C.B.	IN PANELBOARD	B1-2,4	3/4" - 2#12, 1#12G	1
(IWH-3)	WATER HEATER - HP - 1	-	-	20A	3 KW	-	208 / 1	LOCKABLE C.B.	IN PANELBOARD	B1-6,8	3/4" - 2#12, 1#12G	1

- GENERAL NOTES APPLY TO ALL:
VERIFY MOUNTING REQUIREMENTS WITH EQUIPMENT INSTALLER.
VERIFY ACTUAL EQUIPMENT LOADS AND CONNECTION REQUIREMENTS WITH EQUIPMENT BEING INSTALLED.
NOTES:
1. WIRE SIZED IS BASED ON NEC 310.16 75 DEGREE WIRE AND COPPER.