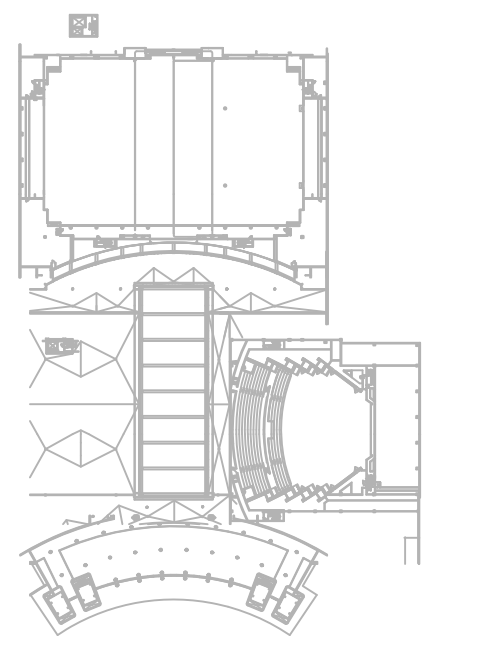


GENERAL NOTES:
 a. REFER TO SYMBOL LEGEND ON SHEET E0.001.
 b. REFER TO BOOK SPECIFICATIONS.

SGM ENGINEERING
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Client Name:
Orange County Convention Center

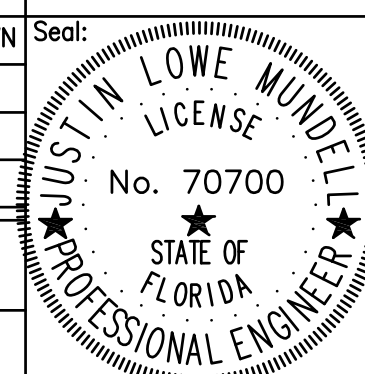


Issue:

No.	Date	Description
12/19/18	100% CONSTRUCTION DOCS	

Project Name:
OCCC CHAPIN THEATER AUDIO SYSTEM REPLACEMENT

Project Number: 2018-194
 Drawing File Name:
 Scale: AS SHOWN
 Design By: BSB
 Drawn By: BSB
 Checked By: WAE
 Engineer of Record:
 JUSTIN L. MUNDLEL
 License Number: FL70700



Sheet Name:
ELECTRICAL POWER PLAN- LEVEL 5

Sheet Number:
E3.005

ELECTRICAL POWER PLAN- LEVEL 5
 SCALE: 1/8"=1'-0"

FILE: Q:\PROJECT FILES\2018\2018-183_OCCC_CHAPIN_THEATER_AUDIO_SYSTEM_REPLACEMENT\DRAWINGS\1600-E3001-2018183.DWG
 PRINTED: 12/19/2018 11:58 AM BY: JUSTIN

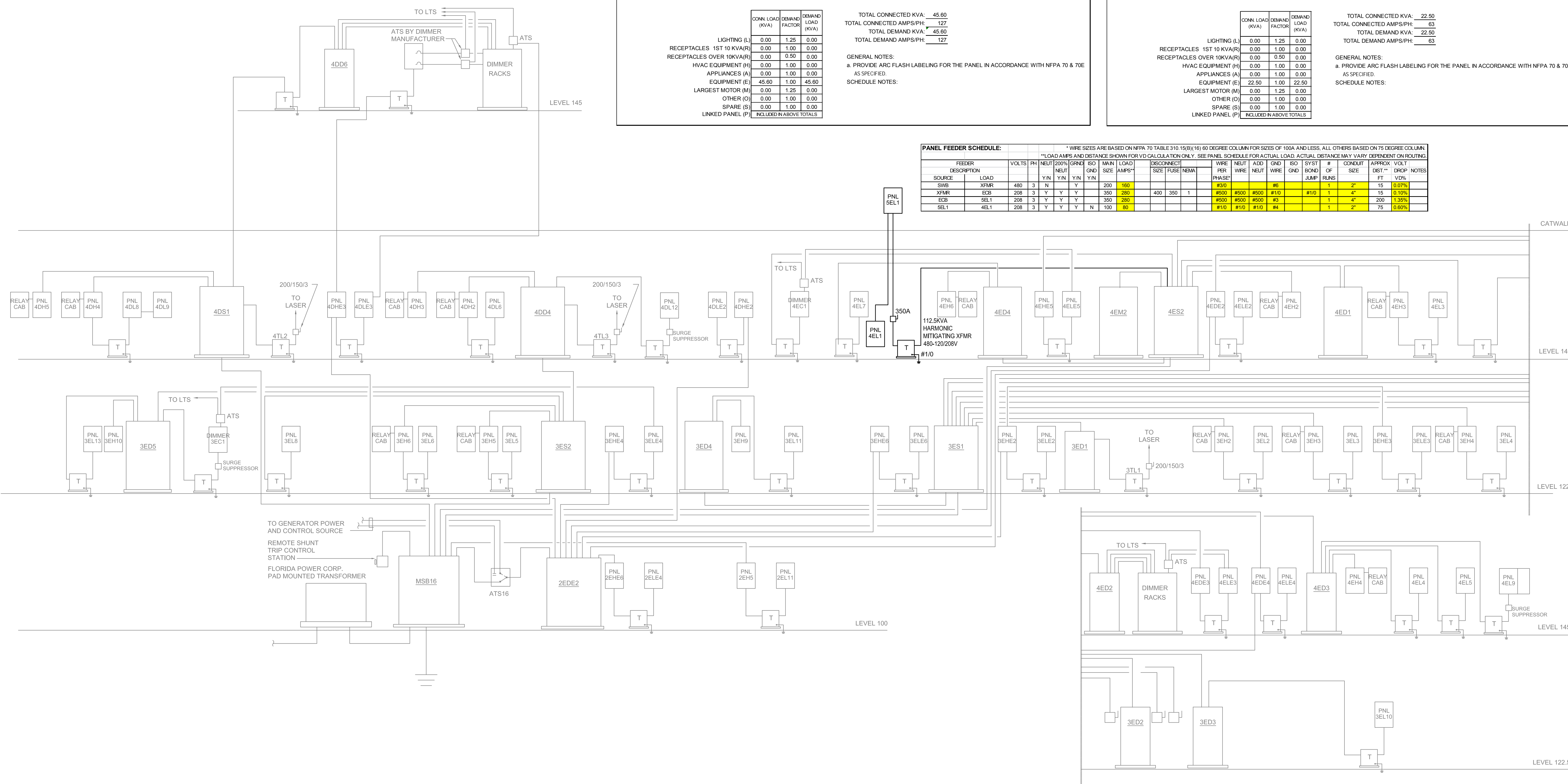
MANUFACTURER:		SQ. D.		MAIN OPTIONS REQUIRED			PANEL NAME:							
TYPE:		NOOD		MCB: 350 AMPS			5EL1							
AIC RATING:		10		MLO:			LOCATION:							
VOLTS L-L:		240		S.E. RATED:			CATWALK SURFACE							
VOLTS L-L*		3		GFI PROT:			NEMA TYPE:							
PHASE		3		SHUNT TRIP:			WIDTH: 20.00 IN							
							DEPTH: 5.75 IN							
NOTES	IDENTIFICATION	LOAD	LOAD/PHASE (KVA)			CIRCUIT BREAKER	LOAD/PHASE (KVA)			IDENTIFICATION	NOTES			
			A	B	C		A	B	C					
	1 CATWALK STAGE LEFT AMP	E	3.60			40	1	1	40	3.60	E	CATWALK STAGE RIGHT AMP	2	
	3 CATWALK STAGE LEFT AMP	E	3.60			40	1	1	40	3.60	E	CATWALK STAGE RIGHT AMP	4	
	5 CATWALK STAGE LEFT AMP	E		3.60		40	1	1	40		E	CATWALK STAGE RIGHT AMP	6	
	7 CATWALK STAGE LEFT AMP	E	3.60			40	1	1	40	3.60	E	CATWALK STAGE RIGHT AMP	8	
	9 CATWALK STAGE LEFT AMP	E	3.60			40	1	1	40	3.60	E	CATWALK STAGE RIGHT AMP	10	
	11 CATWALK STAGE LEFT AMP	E		3.60		40	1	1	40		E	CATWALK STAGE RIGHT AMP	12	
	13 CATWALK STAGE LEFT DSP	E	0.80			20	1	1	20	0.80	E	CATWALK STAGE RIGHT DSP	14	
	15 SWITCH	E		0.40		20	1	1	20		E	SWITCH	16	
	17 SPARE	S				40	2	2	40		S	SPARE	18	
	19 SPARE	S				40	1	1	40		S	SPARE	20	
	21 SPARE	S				40	1	1	40		S	SPARE	22	
	23 SPARE	S				20	1	1	20		S	SPARE	24	
	25 SPARE	S				20	1	1	20		S	SPARE	26	
	27 SPARE	S				20	1	1	20		S	SPARE	28	
	29 SPARE	S				20	1	1	20		S	SPARE	30	
	31 SPARE	S				20	1	1	20		S	SPARE	32	
	33 SPARE	S				20	1	3	100		O	4EL1	34	
	35 SPARE	S				20	1				O		36	
	37 SPARE	S				20	1				O		38	
	39 SPARE	S				20	1	3	30		O	SPD	40	
	41 SPARE	S				20	1				O		42	
			8.0	7.6	7.2				8.0	7.6	7.2			

MANUFACTURER:		SQ. D.		MAIN OPTIONS REQUIRED			PANEL NAME:							
TYPE:		NOOD		MCB: 100 AMPS			4EL1							
AIC RATING:		10		MLO:			LOCATION:							
VOLTS L-L:		240		S.E. RATED:			STAGE RIGHT SURFACE							
VOLTS L-L*		3		GFI PROT:			NEMA TYPE:							
PHASE		3		SHUNT TRIP:			WIDTH: 20.00 IN							
							DEPTH: 5.75 IN							
NOTES	IDENTIFICATION	LOAD	LOAD/PHASE (KVA)			CIRCUIT BREAKER	LOAD/PHASE (KVA)			IDENTIFICATION	NOTES			
			A	B	C		A	B	C					
	1 STAGE LEFT POWER	E	1.80			40	1	1	40	1.80	E	STAGE RIGHT POWER	2	
	3 STAGE LEFT POWER	E	1.80			40	1	1	40	1.80	E	STAGE RIGHT POWER	4	
	5 STAGE LEFT POWER	E		1.80		40	1	1	40		E	STAGE RIGHT POWER	6	
	7 STAGE LEFT POWER	E	0.18			20	1	1	20	0.18	E	STAGE RIGHT POWER	8	
	9 SPARE	S				40	1	1	40		S	SPARE	10	
	11 SPARE	S				40	1	1	40		S	SPARE	12	
	13 SPARE	S				20	1	1	20		S	SPARE	14	
	15 SPARE	S				20	1	1	20		S	SPARE	16	
	17 SPARE	S				30	2		30	1.80	E	STAGE RIGHT POWER	18	
	19 SPARE	S				20	1	1	20		S	SPARE	20	
	21 CONSOLE POWER	E	0.18			20	1		20	1.80	E	STAGE LEFT POWER	22	
	23 SPARE	S				20	1	1	20	1.80	E	STAGE LEFT POWER	24	
	25 SPARE	S				20	1	3	30	1.80	E	STAGE LEFT POWER	26	
	27 CONSOLE POWER	E	0.18			20	1		20	1.80	E	STAGE LEFT POWER	28	
	29 SPARE	S				20	1	1	20		S	SPARE	30	
	31 SPARE	S				20	1	1	20		S	SPARE	32	
	33 CONSOLE POWER	E	0.18			20	1		20		S	SPARE	34	
	35 SPARE	S				20	1	1	20		S	SPARE	36	
	37 SPARE	S				20	1		20		S	SPARE	38	
	39 SPARE	S				20	1	3	30		S	SPD	40	
	41 SPARE	S				20	1		20		S	SPD	42	
			2.0	2.3	1.8				5.8	5.4	5.4			

CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING (L)	0.00	1.25
RECEPTACLES 1ST 10 KVA/R	0.00	1.00
RECEPTACLES OVER 10KVA/R	0.00	0.50
HVAC EQUIPMENT (H)	0.00	1.00
APPLIANCES (A)	0.00	1.00
EQUIPMENT (E)	45.60	1.00
LARGEST MOTOR (M)	0.00	1.25
OTHER (O)	0.00	1.00
SPARE (S)	0.00	1.00
LINKED PANEL (P)		
EXCLUDED ABOVE TOTALS		

CONN. LOAD (KVA)	DEMAND FACTOR	DEMAND LOAD (KVA)
LIGHTING (L)	0.00	1.25
RECEPTACLES 1ST 10 KVA/R	0.00	1.00
RECEPTACLES OVER 10KVA/R	0.00	0.50
HVAC EQUIPMENT (H)	0.00	1.00
APPLIANCES (A)	0.00	1.00
EQUIPMENT (E)	22.50	1.00
LARGEST MOTOR (M)	0.00	1.25
OTHER (O)	0.00	1.00
SPARE (S)	0.00	1.00
LINKED PANEL (P)		
EXCLUDED ABOVE TOTALS		

FEEDER DESCRIPTION	VOLTS	PH	NEUT	200% GRND	ISO	MAIN	LOAD	DISCONNECT	WIRE	NEUT	ADD	CONDUIT	APPROX	VOLT
SOURCE	LOAD	Y/N	Y/N	Y/N	Y/N	SIZE	AMPS*	SIZE FUSE	PER	WIRE	WIRE	SIZE	FT	DROP
SWB	XFMR	480	3	N	Y	200	100		#50	#50	#6	1	15	0.07%
XFMR	EB	208	3	Y	Y	350	280	400	350	1	#10	1	15	0.10%
ELB	SEL1	208	3	Y	Y	350	280		#50	#50	#3	1	200	1.35%
SEL1	4EL1	208	3	Y	Y	100	50		#10	#10	#4	1	75	0.65%



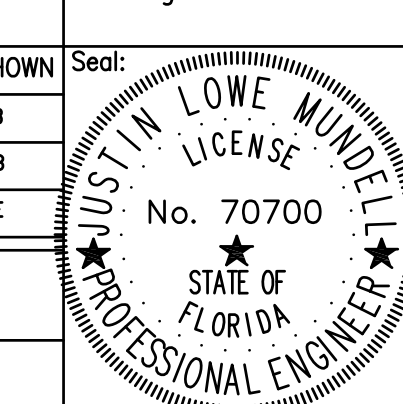
1 SERVICE #16 RISER DIAGRAM
E3.008 NOT TO SCALE

ELECTRICAL ONE LINE AND SCHEDULES

No.	Date	Description
	12/19/18	100% CONSTRUCTION DOCS

Project Name:
OCCC CHAPIN THEATER AUDIO SYSTEM REPLACEMENT

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License Number: FL70700



Sheet Name:
ELECTRICAL ONE LINE AND SCHEDULES

Sheet Number:
E7.001

