



PHILANDER
SMITH UNIVERSITY

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SMITH
UNIVERSITY**

M.L. HARRIS
AUDITORIUM
RENOVATION

GENERAL NOTES:

A. SEE E-601 FOR PANEL SCHEDULE LEGEND.

KEYED NOTES:

1. PROVIDE MULTI-POLE BREAKER FOR MULTIWIRED BRANCH CIRCUITS WHICH ARE TO REMAIN. FIELD VERIFY.
2. PROVIDE SPD BREAKER AND CONDUCTORS AS RECOMMENDED BY MANUFACTURER.
3. ADD ALTERNATIVE #1B - PROVIDE BREAKER FOR DIGITAL DISPLAY.

PANEL		E		MOUNTING		SURFACE		LOCATION		FLR 2		MAIN BUS RATING		225		AMPS		
MAIN		LO		POLES		3		FRAME		TRIP								
VOLTAGE		208Y/120		PHASE		3						MINIMUM BREAKER INTERRUPTING CAPACITY		22kA				
ACCESSORIES				SN + EOP GND														
DEVICE			BRANCH CIRCUIT					PHASE LOAD			BRANCH CIRCUIT					DEVICE		
AMPS	TRIP	POLES	TYPE	LOAD	DESCRIPTION	VOLT	NO	A	B	C	NO	VOLT	DESCRIPTION	LOAD	TYPE	POLES	AMPS	
						AMPS												
20	1				(E) UNKNOWN		1				2		(E) UNKNOWN				1	
20	1				(E) UNKNOWN		3				4		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		5				6		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		7				8		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		9				10		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		11				12		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		13				14		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		15				16		(E) UNKNOWN				30	
20	1				(E) UNKNOWN		17				18		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		19				20		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		21				22		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		23				24		(E) UNKNOWN				30	
20	1				(E) UNKNOWN		25				26		-				-	
20	1				(E) UNKNOWN		27				28		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		29				30		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		31				32		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		33				34		(E) UNKNOWN				20	
20	1				(E) UNKNOWN		35				36		(E) UNKNOWN				20	
20	1				SPARE		37				38		(E) UNKNOWN				20	
20	1				SPARE		39				40		SPARE				20	
20	1				SPARE		41				42		SPARE				20	
TOTAL								0	0	0	0 KVA (CONNECTED)			0 AMPS (CONNECTED)				
											0 KVA (DEMAND)			0 AMPS (DEMAND)				

PANEL		G _____		MOUNTING SURFACE		LOCATION		BSMT		MAIN BUS RATING		100		AMPS																					
MAIN		LO _____		POLES		FRAME		TRIP																											
VOLTAGE		208Y/120		PHASE		3				MINIMUM BREAKER INTERRUPTING CAPACITY		10kA																							
ACCESSORIES SN + EOP GND																																			
DEVICE				BRANCH CIRCUIT				PHASE LOAD				BRANCH CIRCUIT				DEVICE																			
AMPS TRIP		POLES		TYPE		LOAD		DESCRIPTION		VOLT AMPS		NO		A		B		C		NO		VOLT AMPS		DESCRIPTION		LOAD		TYPE		POLES		AMPS TRIP			
40		3				M		RMCC-RIGGING MOTORS		3603		1		3783						2		180		BSMT RECEP		R				1		20			
-						M		-		3603		3				3803				4		200		RMCP-RIG MTR CTRL PNLL		M				1		20			
-						M		-		3603		5								3803		6		200		FIRE CURTAIN RELEASE		M				1		20	
20		1		M				STAGE RT LTG OUTRIGGER		1000		7		1200						8		200		SMOKE VENT		M				1		20			
20		1		M				STAGE RT LTG OUTRIGGER		1000		9				1000				10				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		11						1000		12				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		13		1000						14				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		15				1000				16				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		17						1000		18				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		19		1000						20				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		21				1000				22				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		23						1000		24				SPACE											
20		1		M				STAGE RT LTG OUTRIGGER		1000		25		1000						26				SPACE											
								SPACE				27								28				SPACE											
								SPACE				29								30				SPACE											
												31								32															
												33								34															
												35								36															
												37								38															
												39								40															
												41								42															
TOTAL												7983		6803		6803						22 KVA (CONNECTED)				60 AMPS (CONNECTED)									
																						22 KVA (DEMAND)				60 AMPS (DEMAND)									

PANEL		H _____		MOUNTING		SURFACE		LOCATION		BROADCAST		MAIN BUS RATING		100		AMPS		
MAIN		LO _____		POLES		3		FRAME		TRIP								
VOLTAGE		208Y/120		PHASE		3						MINIMUM BREAKER INTERRUPTING CAPACITY		10kA				
		ACCESSORIES		SN + EOP GND														
DEVICE			BRANCH CIRCUIT					PHASE LOAD			BRANCH CIRCUIT					DEVICE		
AMPS	TRIP	POLES	TYPE	LOAD	DESCRIPTION	VOLT	NO	A	B	C	NO	VOLT	DESCRIPTION	LOAD	TYPE	POLES	AMPS	
						AMPS						AMPS					TRIP	
20	1		M		SPR-1 SIGNAL PROC RACK	500	1	1700			2	1200	WK LTS-GRIDIRON				1	
20	1		M		SPR-1 SIGNAL PROC RACK	500	3		580		4	80	WK LTS-LOADING GALLERY				1	
30	2		H		MSOU-2	1914	5				6	940	WK/RUNNING/HOUSE LTS				1	
-			H		-	1914	7	3258			8	1344	HOUSE LTS-CEILING LINEAR				1	
20	1		R		CRP-1 AUDIO/ILTG BOOTH	180	9		1975		10	1795	HOUSE LTS-CEILING LINEAR				1	
20	1		R		CRP-1 AUDIO/ILTG BOOTH	180	11			1972	12	1792	HOUSE LTS-CEILING LINEAR				1	
					SPACE		13	1044			14	1044	HOUSE LTS-UNDER BALCONY				1	
					SPACE		15		250		16	250	HOUSE LTS-SCONES				1	
					SPACE		17				18		AISLE LIGHTING 1ST FLOOR				1	
					SPACE		19				20		AISLE LIGHTING BALCONY				1	
					SPACE		21				22		SPACE					
					SPACE		23				24		SPACE					
					SPACE		25				26		SPACE					
					SPACE		27				28		SPACE					
					SPACE		29				30		SPACE					
							31				32							
							33				34							
							35				36							
							37				38							
							39				40							
							41				42							
TOTAL								6002	2805	4826	14 KVA (CONNECTED)				38 AMPS (CONNECTED)			
											14 KVA (DEMAND)				38 AMPS (DEMAND)			

PANEL			LAV	MOUNTING		SURFACE		LOCATION		BSMT		MAIN BUS RATING				100	AMPS		
MAIN			CB	POLES		3		FRAME		100	TRIP		100						
VOLTAGE			208Y/120	PHASE		3							MINIMUM BREAKER INTERRUPTING CAPACITY				10kA		
ACCESSORIES			200% SN + EQP GND + IG + SPD																
DEVICE				BRANCH CIRCUIT				PHASE LOAD				BRANCH CIRCUIT				DEVICE			
AMPS	TRIP	POLES	TYPE	LOAD	DESCRIPTION	VOLT	NO	A	B	C	NO	VOLT	AMPS	DESCRIPTION	LOAD	TYPE	POLES	AMPS	
20	1			R	HSMX-HOUSE MIXER	1000	1	2000			2	1000	AMRK-AMP RACK		R		1	20	
20	1			R	HSMX-HOUSE MIXER	1000	3		2000		4	1000	AMRK-AMP RACK		R		1	20	
20	1				SPARE		5				6	1000	AMRK-AMP RACK		R		1	20	
20	1		R		STGC-STAGE	1000	7	2000			8	1000	AMRK-AMP RACK		R		1	20	
20	1		R		STGC-STAGE	1000	9		2000		10	1000	AMRK-AMP RACK		R		1	20	
20	1		R		STGA-STAGE	1000	11			2000	12	1000	AMRK-AMP RACK		R		1	20	
20	1		R		STGA-STAGE	1000	13	2000			14	1000	FHDY-LOBBY DISPLAY		R		1	20	
20	1		R		STGA-STAGE	1000	15		2000		16	1000	FHDY-LOBBY DISPLAY		R		1	20	
20	1		R		STGA-STAGE	1000	17			2000	18	1000	FHDY-LOBBY DISPLAY		R		1	20	
20	1		R		STFB-STAGE FLOOR BOX	1000	19	1000			20		SPARE				1	20	
20	1		R		STFB-STAGE FLOOR BOX	1000	21		1000		22		SPARE				1	20	
20	1		R		HSAX-HOUSE AUX	1000	23			1000	24		SPARE				1	20	
20	1		R		STSC-PROJECTOR SCREEN	1000	25	1000			26		SPACE						
20	1		R		STPA-PROJECTOR	1000	27		1000		28		SPACE						
					SPACE		29				30		SPACE						
					SPACE		31				32		SPACE						
					SPACE		33				34		SPACE						
					SPACE		35				36		SPACE						
					SPACE		37				38		SPD				3		
					SPACE		39				40		-					-	
					SPACE		41				42		-					-	
TOTAL								8000	8000	6000	22 KVA (CONNECTED)				61 AMPS (CONNECTED)				
											16 KVA (DEMAND)				44 AMPS (DEMAND)				

PANEL		LAVDP		MOUNTING		SURFACE		LOCATION		BSMT		MAIN BUS RATING				225		AMPS			
MAIN		CB		POLES		3		FRAME		200		TRIP		200							
VOLTAGE		208Y/120		PHASE		3		MINIMUM BREAKER INTERRUPTING CAPACITY										10ka			
ACCESSORIES 200% SN + EQP GND + IG + SPD																					
DEVICE			BRANCH CIRCUIT					PHASE LOAD			BRANCH CIRCUIT							DEVICE			
AMPS	TRIP	POLES	TYPE	LOAD	DESCRIPTION	VOLT	NO	VOLT AMPS			VOLT	NO	AMPS	DESCRIPTION	LOAD	TYPE	POLES	AMPS	TRIP		
100	3			S	LAV	8000	1	8000			2		CS-1 COMPANY SWITCH	S			3	100			
-				S	LAV	8000	3		8000		4		-	S				-			
-				S	LAV	6000	5			6000	6		-	S				-			
					SPACE		7				8		SPACE								
					SPACE		9				10		SPACE								
					SPACE		11				12		SPACE								
					SPACE		13				14		SPD				3				
					SPACE		15				16		-					-			
					SPACE		17				18		-					-			
							19				20										
							21				22										
							23				24										
							25				26										
							27				28										
							29				30										
							31				32										
							33				34										
							35				36										
							37				38										
							39				40										
							41				42										
							41				42										
TOTAL								8000	8000	6000	22 KVA (CONNECTED) 16 KVA (DEMAND)			61 AMPS (CONNECTED) 44 AMPS (DEMAND)							

PANEL		M	MOUNTING		SURFACE		LOCATION		BSMT MECH		MAIN BUS RATING		100	AMPS				
MAIN		LO	POLES		3		FRAME		TRIP									
VOLTAGE		208Y/120		PHASE		3						MINIMUM BREAKER INTERRUPTING CAPACITY		42kA				
ACCESSORIES SN + EOP GND																		
DEVICE		BRANCH CIRCUIT					PHASE LOAD			BRANCH CIRCUIT					DEVICE			
AMPS	TRIP	POLES	TYPE	LOAD	DESCRIPTION	VOLT	NO	A	B	C	VOLT	NO	AMPS	DESCRIPTION	LOAD	TYPE	POLES	TRIP
20	1	1			(E) UNKNOWN		1				2			(E) UNKNOWN			1	20
20	1	1			SPARE		3				4			(E) UNKNOWN			1	20
20	1	1			(E) UNKNOWN		5				6			(E) UNKNOWN			1	20
20	1	1			(E) UNKNOWN		7				8			(E) UNKNOWN			1	20
20	1	1			(E) UNKNOWN		9				10			(E) UNKNOWN			2	
20	1	1			(E) UNKNOWN		11				12			-				-
30	2				(E) UNKNOWN		13				14			SPARE			1	20
-					-		15				16			(E) UNKNOWN			1	20
20	1	1			(E) UNKNOWN		17				18			(E) UNKNOWN			1	20
20	3				(E) UNKNOWN		19				20			(E) UNKNOWN			3	20
-					-		21				22			-				-
-					-		23				24			-				-
-		3			(E) UNKNOWN		25				26			(E) UNKNOWN			1	40
-					-		27				28			(E) UNKNOWN			1	40
-					-		29				30			(E) UNKNOWN			1	40
					SPACE		31				32			SPACE				
					SPACE		33				34			SPACE				
					SPACE		35				36			SPACE				
					SPACE		37				38			SPACE				
					SPACE		39				40			SPACE				
					SPACE		41				42			SPACE				
TOTAL								0	0	0	0 KVA (CONNECTED)			0 AMPS (CONNECTED)				
											0 KVA (DEMAND)			0 AMPS (DEMAND)				

Volume _____

VOLUME 1

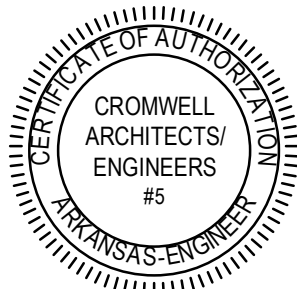
Design Phase _____

CONSTRUCTION DOCUMENTS

Revisions _____

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E-602