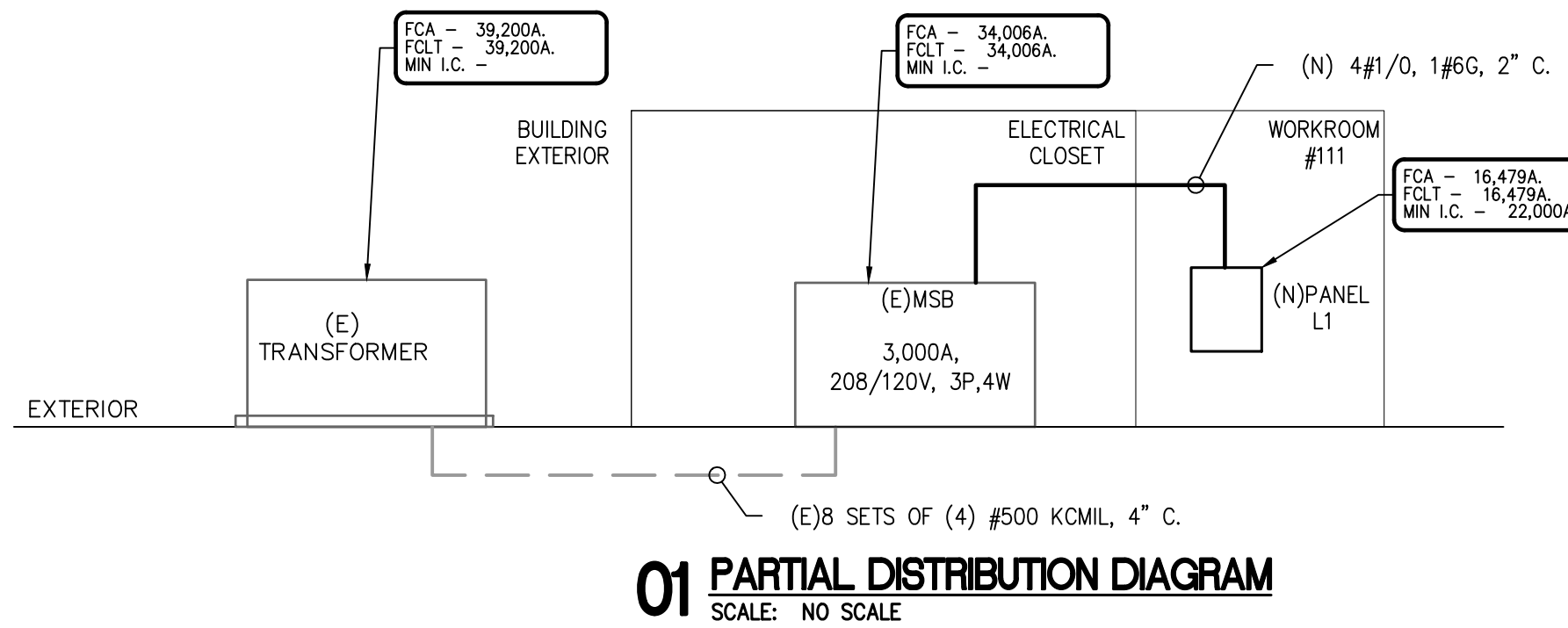


ELECTRICAL LOAD ANALYSIS					
PROJECT NAME: WOODFOREST NATIONAL -- CONROE					
PROJECT NUMBER: 26024.00					
SERVICE VOLTAGE: 120/208V, 3 PHASE, 4 WIRE, WYE					
SERVICE RATING: 150 AMPS					
GROSS AREA: 3,924 SQUARE FEET					
LOAD DESCRIPTION	CODE	CONNECTED	DEMAND	DESIGN	REMARKS
		LOAD (kVA)	FACTORS (%)	LOAD (kVA)	
LIGHTS (1.3 VA/FT2):	5.1	1.9	125%	6.4	NEC 220.42, 43, 44, 45
SIGN LIGHTS:		0.0	125%	0.0	NEC 220.14.F
SITE LIGHTS:		0.0	125%	0.0	NEC 220.42, 43, 44, 45
RECEPTACLES:	3.9	4.7	10kVA+50%	4.7	NEC 220.14.H, I, J, K, 220.47
EQUIPMENT:		7.6	100%	7.6	NEC 220.14.A
WATER HEATERS:		0.0	100%	0.0	NEC 220.14.A
HVAC:		18.8	100%	18.8	NEC 220.14.C, 220.50
ELECTRIC HEAT:		8.0	100%	8.0	NEC 220.51
LARGEST MOTOR:		0.0	125%	0.0	NEC 430.22
TOTAL DESIGN LOAD:					46 kVA
208V, 3 PHASE:					126 AMPS

NOTE: ALL LOADS AND DEMAND FACTORS ARE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NEC ARTICLE 220



ELECTRICAL DISTRIBUTION DIAGRAM NOTES:

- CONDUCTOR SIZES SHOWN ARE FOR COPPER CONDUCTORS WITH THWN INSULATION IN EMT (4" C. OR LESS) OR RIGID CONDUIT (> 4" C.). PROVIDE GROUNDING CONDUCTORS FOR ALL CONDUIT. GROUNDING CONDUCTORS ARE NEEDED FOR ALL PVC CONDUIT.
- SHORT CIRCUIT CURRENT VALUES ARE GIVEN IN RMS SYMMETRICAL AMPERES. PREFIX 'FCA' INDICATES MAXIMUM AVAILABLE FAULT CURRENT. PREFIX 'FCLT' INDICATES APPARENT LET-THRU CURRENT FROM UPSTREAM CURRENT LIMITING DEVICE.
- ELECTRICAL SYSTEM SHALL BE FULLY RATED. SERIES RATED EQUIPMENT IS NOT ACCEPTABLE.
- PROVIDE FULL LENGTH, FULL SIZE INSULATED GROUND AND NEUTRAL BUS IN ALL PANELBOARDS.
- REFER TO ELECTRICAL UTILITY SPECIFICATIONS FOR ALL WORK AT SERVICE POINT OF ATTACHMENT.
- CONTRACTOR TO VERIFY FAULT CURRENT AVAILABLE AT UTILITY TRANSFORMER SECONDARY WITH ELECTRICAL UTILITY FOR THE FINAL SELECTION OF EQUIPMENT AIC RATINGS.
- SPARES AND SPACES ARE INDICATED ON PANELBOARD SCHEDULES.
- FLEXIBLE METAL CONDUIT SHALL NOT BE USED IN WET LOCATIONS OR WET AREAS.
- ALL FEEDER AND BRANCH CIRCUIT WIRING METHODS SHALL INCLUDE AN EQUIPMENT-GROUNDING CONDUCTOR PER NEC.
- ALL CONDUIT BELOW GRADE OR IN CONCRETE SLABS SHALL BE PVC. MAXIMUM CONDUIT SIZE FOR CONDUIT IN CONCRETE SLABS IS 3/4".
- A PERMANENTLY AFFIXED LABEL SHALL BE APPLIED WITH THE AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION. THE LABEL SHALL BE 2 X 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. THIS LABEL SHALL ALSO INCLUDE THE DATE OF THE CALCULATION. COH ELECTRICAL CODE 504.1.1.

PROJECT NAME: WOODFOREST NATIONAL BANK -- CONROE												
PROJECT NUMBER: 26024.00												
PANEL: MSB												
VOLTAGE: 120/208V, 3PH, 4W												
BUS: 3000 AMP												
MAINS: M.L.O.												
ACCESSORIES:												
EXISTING PANEL												
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED												
CODE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	CODE		
2	5000	SPD	*	80/3	1	A	2	200/3	PANEL L1	14160	2	
2	5000	---	*	---	3	B	4	---	---	14160	2	
2	5000	---	*	---	5	C	6	---	---	14160	2	
		SPARE	**	200/3	7	A	8	200/3	SPARE	**		
		---	**	---	9	B	10	---	---	**		
		---	**	---	11	C	12	---	---	**		
		SPACE	***	---	13	A	14	150/3	PANEL L1	12838	7	
		---	***	---	15	B	16	---	---	14826	7	
		---	***	---	17	C	18	---	---	14670	7	
		SPARE	**	400/3	19	A	20	400/3	SPARE	**		
		---	**	---	21	B	22	---	---	**		
		---	**	---	23	C	24	---	---	**		
2	39600	BDP	*	600/3	25	A	26	---	SPACE	---		
2	39600	---	*	---	27	B	28	---	---	---		
2	39600	---	*	---	29	C	30	---	---	---		
2	50880	DP2A	*	800/3	31	A	32	800/3	DP3A	51680	2	
2	50880	---	*	---	33	B	34	---	---	51680	2	
2	50880	---	*	---	35	C	36	---	---	51680	2	
2	49850	DP3B	*	800/3	37	A	38	---	---	---		
2	49850	---	*	---	39	B	40	---	---	---		
2	49850	---	*	---	41	C	42	---	---	---		
		LIGHTS						PHASE	CONN.KVA	LOAD FACTORS	DES. KVA	DES. AMP
	0	0	21170	0	0	A		A	224.0	LIGHTS @ 125%	211.2	1758
	0	0	21170	0	0	B		B	225.2	EQUIP. @ 100%	211.2	1758
	0	0	21170	0	0	C		C	225.8	L.G. MOTOR @ 125%	211.2	1758
	0	0	633510	0	0	TOTAL		TOTAL	675.0	RECEPS @ 10kVA+50%	633.5	1758
SUB-FEED PANELS:												
						PANEL NAME	S.F. KVA	LOAD FACTORS	DES. KVA	DES. AMP		
						PANEL L1	41.5	SUB FEED @ 100%	41.5	115		
GRAND TOTAL												
							675.0		675.0	1874		

- * EXISTING CIRCUIT BREAKER - ESTIMATED LOAD
- ** EXISTING SPARE CIRCUIT BREAKER
- *** EXISTING BREAKER SPACE
- **** REPLACE EXISTING BREAKER AS SHOWN

PROJECT NAME: WOODFOREST NATIONAL BANK -- CONROE												
PROJECT NUMBER: 26024.00												
PANEL: L1												
VOLTAGE: 120/208V, 3PH, 4W												
BUS: 225 AMP												
MAINS: 150A. M.C.B.												
ACCESSORIES: INSULATED GROUND												
NEW PANEL												
CODES: 0=LIGHTS 1=RECEP 2=EQUIP 3=A/C 4=HTG 5=125% LGST MTR 6=KITCHEN 7=PREVIOUSLY CALCULATED												
CODE	LOAD	CIRCUIT DESCRIPTION	BKR	CKT	PH	CKT	BKR	CIRCUIT DESCRIPTION	LOAD	CODE		
0	950	LIGHTING		20/1	1	A	2	20/1	CONFERENCE GP	1260	1	
0	950	LIGHTING		20/1	3	B	4	20/1	G.P. RECEP	1260	1	
6	800	REF		20/1	5	C	6	20/1	G.P. RECEP	1080	1	
2	1200	PC		20/1	7	A	8	20/1	SPARE			
2	1200	PC		20/1	9	B	10	20/1	SPARE			
2	900	PC		20/1	11	C	12	20/1	SPARE			
1	540	RR/STORAGE GFCCI		20/1	13	A	14	20/1	SPARE	200	2	
2	800	DATA DEDICATED		20/1	15	B	16	20/1	SF-1,2,3/EF-1	180	1	
2	800	DATA DEDICATED		20/1	17	C	18	20/1	ROOF GFI	676	7	
2	720	PLOTTER		20/1	19	A	20	15/2	AHU-1	676	7	
2	400	WORKROOM APPLIANCE		20/1	21	B	22	---	---	676	7	
1	360	WORKROOM GP		20/1	23	C	24	15/2	AHU-2	676	7	
6	600	COFFEE MAKER		20/1	25	A	26	---	---	676	7	
3	2446	CU-1		30/2	27	B	28	15/2	AHU-3	676	7	
3	2446	---		---	29	C	30	---	---	676	7	
3	2879	CU-2		35/2	31	A	32	15/2	AHU-4	42	7	
3	2879	---		---	33	B	34	---	---	42	7	
3	2446	CU-3		30/2	35	C	36	30/2	IWH-1	2005	4	
3	2446	---		---	37	A	38	---	---	2005	4	
3	1648	CU-4		20/2	39	B	40	30/2	IWH-1	2005	4	
3	1648	---		---	41	C	42	---	---	2005	4	
		LIGHTS						PHASE	CONN.KVA	LOAD FACTORS	DES. KVA	DES. AMP
	950	1800	2520	5325	2005	A		A	14.2	LIGHTS @ 125%	12.8	107
	950	1260	2600	6973	2005	B		B	15.2	EQUIP. @ 100%	14.0	117
	0	1620	2500	6540	4010	C		C	16.2	L.G. MOTOR @ 125%	14.7	122
	1900	4680	7620	18638	8020	TOTAL		TOTAL	45.6	RECEPS @ 10kVA+50%	41.5	115

LABEL	MANUFACTURER + SPECIFICATION	MOUNTING	LAMP (NO./TYPE)	VOLTS	REMARKS
A24	MATCH 2ND FLOOR FIXTURE REFER TO REMARKS	RECESSED	LED (40 WATT MAX.)	120	CENTER BASKET LED 2'X4' LIGHT FIXTURE. 0-10V. DIMMABLE. PROVIDE WITH 90-MINUTE BATTERY PACK WHERE NOTED ON PLANS.
B22	MATCH 2ND FLOOR FIXTURE REFER TO REMARKS	RECESSED	LED (30 WATT MAX.)	120	FLAT LENS LED 2'X2' LIGHT FIXTURE. 0-10V. DIMMABLE. PROVIDE WITH 90-MINUTE BATTERY PACK WHERE NOTED ON PLANS.
C	MATCH 2ND FLOOR FIXTURE REFER TO REMARKS	RECESSED	LED (20 WATT MAX.)	120	RECESSED LED ROUND DOWNLIGHT. 0-10V. DIMMABLE. PROVIDE WITH 90-MINUTE BATTERY PACK WHERE NOTED ON PLANS.
L	TBD	SURFACE	LED (7W./FT MAX.)	120	RECESSED LED ROUND DOWNLIGHT. 0-10V. DIMMABLE. PROVIDE WITH 90-MINUTE BATTERY PACK WHERE NOTED ON PLANS.
S1	TBD	SUSPENDED	LED (20 WATT MAX.)	120	4' LED STRIP LIGHT, 0-10V. DIMMING. PROVIDE WITH 90-MINUTE BATTERY PACK WHERE NOTED ON PLANS.
S2	TBD	SUSPENDED	LED (26 WATT MAX.)	120	6' LED STRIP LIGHT, 0-10V. DIMMING.
UC	TBD	SURFACE	LED (7W./FT MAX.)	120	UNDER CABINET LED LIGHT.
X	MATCH BUILDING STANDARD EXIT SIGN REFER TO REMARKS	SURFACE	LED (<5W.)	120	PROVIDE WITH 90-MINUTE BATTERY BACK. MATCH DIRECTIONAL ARROWS AS NOTED ON PLANS.

THIS FIXTURE SCHEDULE IS INTENDED TO PROVIDE GENERAL LIGHTING FIXTURE QUALITY AND PERFORMANCE REQUIREMENTS ONLY. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN THE EXACT MODEL/CATALOG NUMBER OF THE LIGHTING FIXTURES LISTED ABOVE. ANY DIFFERENCES BETWEEN THIS LIGHTING FIXTURE SCHEDULE AND ARCHITECTURAL DRAWINGS OR MANUFACTURERS PRODUCT LISTINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

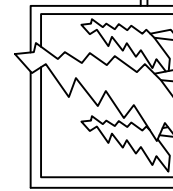


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www.sligroup.com

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NATIONAL BANK

400 W. DAVIS
CONROE, TX 77301

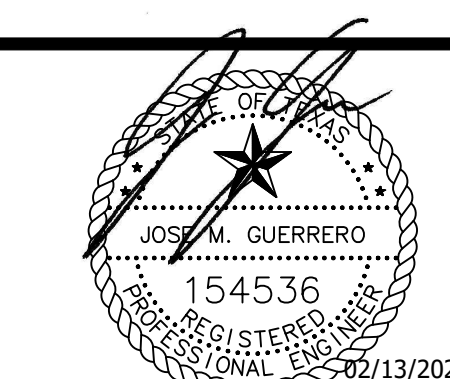


E/B/E Project Number : 25026

ISSUED FOR CLIENT APPROVAL	DATE
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	02/13/2026
ISSUED FOR CONSTRUCTION	

REVISIONS		
MARK	DESCRIPTION	DATE
	90% REVIEW SET	2026/02/06
	ISSUED FOR PERMIT	2026/02/13

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DRAWING TITLE
ELECTRICAL SCHEDULES

SHEET NO.

E4.01

SCALE: N.T.S.

EIBIE Mechanical Electrical Plumbing
CONSULTING ENGINEERS

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PM	MECH	ELEC	PLBG	CHCK
JG	THV	JG	BM	JG