PANEL NAME: LP2 SUPPLY FROM: WIREWAY LOCATION: PRE-SALES 106 DISTRIBUTION SYSTEM: 208/120V 3PH 4W MAINS RATING (A): 225 MAINS TYPE: MAIN LU FEEDER ID: X225													CIRC	UIT RA	RENT (A ATING (A IGS TYP	A): EXI: E:	STING	PHASE: Existing SURGE SUPRESSION: ULSE: 200% NEUTRAL:				
	FEEDER: EXISTING FEEDER, AT			1					ED OT	HERW	ISE		ENG	CLOSU	RE TYP	E: NEN	ΛΑ 1			l	SOLATED GROUND:	
CKT	CIRCUIT DESCRIPTION					FRAME	POLE		A	ı	В	C	;	POLE	FRAME	TRIP					CIRCUIT DESCRIPTION	CKT
1	(#) RCPT 101A,101B	0.142	#12	#12	20 A	20 A	1	0.36	1.08					1	20 A	20 A	#12	#12	0.271	(#) RCPT 1	01B,101A	2
3	(G)(LT) HAND DRYER NON-CONT. TOILET 105	1.405	#12	#12	20 A	20 A	1			1.80	0.90			1	20 A	20 A	#12	#12	2.408	(#) RCPT 1	01A,101B	4
5	(G)(LT) HAND DRYER NON-CONT. TOILET 104	1.163	#12	#12	20 A	20 A	1					1.80	0.44	1	20 A	20 A	#12	#12	0.529	(#) DOORB	ELL RCPT, NON-CONT. PRE-SALES 106	6
7	(#) WH-2-A HEATING TOILET 104	1.074	#12	#12	20 A	20 A	1	1.50	0.40					1	20 A	20 A	#12	#12	1.237	(#) EMPLO	YEE AREA PLUGMOLD NON-CONT	8
9	(#) WH-1-A HEATING TOILET 105	1.931	#12	#12	20 A	20 A	1			1.50	0.18			1	20 A	20 A	#12	#12	0.5	(#) RCPT P	RE-SALES 106	10
11	(#) RCPT HALL 103	0.066	#12	#12	20 A	20 A	1					0.18	0.18	1	20 A	20 A	#12	#12	0.5	(#) RCPT P	RE-SALES 106	12
13	(#) AC-1-A MOTOR SALES 101A	2.956	*#8	*#8	20 A	20 A	1	1.73	0.18					1	20 A	20 A	#12	#12	0.033	(#) RCPT P	RE-SALES 106	14
15	(#) WALK-IN COOLER NON-CONT. PRE-SALES 106	2.126	*#10	*#10	20 A	20 A	1			1.55	0.54			1	20 A	20 A	#12	#12	1.93	(#) RCPT S	ALES 101A	16
17												2.86	0.18	1	20 A	20 A	#12	#12	0.665	(#) ICE CRI	EAM BUNKER RCPT	18
19	WALK-IN FREEZER NON-CONT. PRE-SALES 106	2.816	#10	#10	30 A	30 A	2	2.86	0.20					1	20 A	20 A	#12	#12	0.528	(#) SNACK	ZONE NON-CONT.	20
21										1.70	0.20			1	20 A	20 A				` '	ZONE NON-CONT. SALES 101A	22
23	REACH-IN 2-DR COOLER NON-CONT. SALES 101B	1.05	#12	#12	20 A	20 A	2					1.70	0.20	1	20 A	20 A				` '	ZONE NON-CONT. SALES 101A	24
25								3.12	0.52					1	20 A	20 A				` '	OTOR PRE-SALES 106	26
27	REACH-IN 5-DR FREEZER NON-CONT. SALES 101B	B 1.039	#8	#10	30 A	30 A	2		0.02	3 12	2.00			1	20 A	20 A				· / ·	CONTINUOUS PRE-SALES 106	28
29										0.12		3.12	0.72	1	20 A	20 A	#12			RCPT SALE		30
31	REACH-IN 5-DR FREEZER NON-CONT. SALES 101B	1.343	#8	#10	30 A	30 A	2	3 12	0.00			0.12	0.72	1		20 A				(#) SPARE	20 1010	32
33								0.12	0.00	0.20	0.00			1		20 A				(#) SPARE		34
35	PLUG MOLD NON-CONT. OFFICE 102	0.412	#12	#12	20 A	20 A	2			0.20		0.20	0.00	1		20 A				(#) SPARE		36
	(#) SPARE				20 A		1	0.00	0.00			0.20	0.00	1		20 A				(#) SPARE		38
							1	0.00	0.00	0.00	0.00			1				-		` '		_
	(#) SPARE		-		20 A		1			0.00		0.00	0.00	1		20 A				(#) SPARE		40
41	(#) SPARE		L		20 A		1	45.4		40.7		0.00		1	-	20 A				(#) SPARE		42
	OLASOIFICATION CONNECTED LOA			IOIAL		ECTED L			kVA	13.7	kVA	11.6		ND							NEL TOTAL O	
LOAD CLASSIFICATION CONNECTED LOAD DEMAND FACTOR Continuous 2000 VA 125.00%							ESTIMATED DEMAND								PANEL TOTALS (ISTING CONNECTED LOAD:							
	Continuous 2000 VA Cooling 0 VA		-	125.00% 0.00%							2500 VA 0 VA									FACTOR:		\longrightarrow
Eleva	<u> </u>					0.00%						0 V/				LAISTI				ED LOAD:	40326 VA	
	Heating 3000 VA					100.00						3000									40020 V/1	
Kitchen Equipment 0 VA			\rightarrow			0.00%						0 V/				DEN	IAND (CALC	LATIC	N NOTES:		
Lighting 0 VA						0.00%						0 V						7	OTAL	DEMAND:	41258.0 VA	
Motor 2248 VA						119.22°						2680										
Non-0	Non-Continuous 28218 VA			100.00%							28218 VA							OTAL	DEMA	ND AMPS:	115 A	
Rece	otacle 4860 VA					100.00°	%					4860	VA									
NOTE	S.		-						1	DEAK	ER QU	ANITIT	IEC /N	EW O	ν \							

	PANEL NAM																					PHASE: Existing		
SUPPLY FROM: D1				MAINS RATING (A): 400									FAULT CURRENT (A): 15472									SURGE SUPRESSION:		
	LOCATI	ON: PRE-SALES 106 MAINS TYPE: MAIN LUGS ONLY SHORT CIRCUIT RATING (A): EXISTING										ULSE:												
	DISTRIBUTION SYST	FEEDER ID: X400									LUGS TYPE:									200% NEUTRAL:				
	FEED	DER: EXISTING FEEDER, AT	RATIN	G INDI	CATE	D, TO F	REMAIN	UNLES	S NOTE	ED OTI	HERWI	SE		ENC	CLOSU	RE TYPI	E: NEN	/A 1				ISOLATED GROUND:		
СКТ	CIRCUIT I	DESCRIPTION	VD%	AWG	GND	TRIP	FRAME	POLE	Δ.	4	В	3	(;	POLE	FRAME	TRIP	GND	AWG	VD%		CIRCUIT DESCRIPTION	CH	
1									5.76	0.02													2	
3 B	BALER MOTOR PRE-SA	LES 106	0.543	#4	#10	60 A	60 A	3			5.76	0.02			3 20	20 A	20 A	#12 #	#12	0.001	PHASE LO	OSS MONITOR NON-CONT. PRE-SALES	ALES 106 4	
5													5.76	0.02									6	
7 9 (#) SPARE								3	0.00	0.00													8	
						70 A					0.00	0.00			3		100 A				(#) SPARE		1	
11													0.00	0.00									1:	
13						150 A	150 A		13.40	13.40														
15 (E								3			13.40	13.40	0		3 15	150 A	150 A	-			(EX) RTU-	1-A MOTOR SALES 101A	1	
17	,											13.40	13.40								·	18		
'					TOTAL	CONN	NECTED	LOAD:	32.6	kVA	32.6	kVA	32.6	kVA										
LOAD (CLASSIFICATION	CONNECTED LOA	AD DEMAND FACTOR									ESTIN	ND		PANEL TOTALS									
Continuous		0 VA												EXISTING CONNECTED LOAD:										
Cooling		0 VA	0.00%										0 V			EXISTING LOAD DEMAND FACTOR:								
Elevator		0 VA	0.00%										0 V					ADDE	D CO	NNEC	TED LOAD:	97740 VA		
Heating		0 VA	0.00%										0 VA				DEMAND CALCULA				ON NOTES:			
	n Equipment	0 VA		0.00%									0 V											
Lighting	9	0 VA	0.00%												TOTAL DEMAND:					107791.2 VA				
Motor		97690 VA		\rightarrow			110.29						107741 VA								. N.D. 4.4.D.O.			
	ontinuous	50 VA 0 VA	100.00% 0.00%									50 V			TOTAL DEMAND AMPS:					299 A				
1						0	0 VA BREAKER QUANTITIES (NEW ONLY)																	
NOTES) ;														EW ON	iLY)								
										[((1) 20A / 3P, (1) 60A / 3P													

PROVIDE LOCK-OUT/TAG-OUT DEVICE

WIRE SIZED TO COMPENSATE FOR VOLTAGE DROP

REFER TO DRAWINGS FOR SPECIFICATIONS

DETERMINE EXACT POLE ASSIGNMENT(S) BASED ON EXISTING COLOR-CODING

OF THE BRANCH CIRCUIT CONDUCTOR INSULATION. PROVIDE NEW BREAKER IF

SL = SEE THE SINGLE LINE DIAGRAM / SCHEDULE FOR WIRE SIZE AND VOLTAGE DROP

PANEL SCHEDULE GENERAL NOTES CONNECT BRANCH CIRCUIT, WHICH WAS DISCONNECTED FROM ANOTHER SOURCE AS PART OF SELECTIVE DEMOLITION, TO POLE SPACE(S) INDICATED,

LARGEST MOTOR, 100% OF ALL OTHER MOTORS.

PROVIDE HACR RATED BREAKERS ON ALL MOTOR LOADS. ALL CONDUCTORS SHOWN ARE COPPER.

ALL VOLTAGE DROP CALCULATIONS AND COMPENSATED WIRE SIZES ARE BASED ON RIGHT ANGLE CIRCUIT LENGTHS. ACTUAL VOLTAGE DROP MAY VARY BASED ON INSTALLED WIRE LENGTH. VOLTAGE DROP CALCULATIONS AND WIRE SIZES SHOWN IN THE PANEL SCHEDULES ARE FOR HOMERUN CONDUCTORS ONLY. FOR CIRCUITS WITH MORE THAN 1 DEVICE, THESE SIZES ASSUME THE CONDUCTORS DOWNSTREAM OF THE HOMERUN DEVICE ARE THE MINIMUM SIZE REQUIRED BY THE NEC BASED ON THE RATING OF THE CIRCUIT. WHERE THIS IS NOT THE CASE, IT HAS BEEN

INDICATED ON THE DRAWINGS. VOLTAGE DROP TO THE FARTHEST DEVICE HAS BEEN CALCULATED TO NEVER EXCEED 5%. RECEPTACLE LOADS CALCULATED AT 100% OF FIRST 10kVA, 50% OF REMAINDER. MOTOR LOADS CALCULATED AT 125% OF THE **GENERAL ELECTRICAL POWER DISTRIBUTION NOTES**

- PARALLEL CONDUCTOR SETS: CUT PARALLEL SERVICE/FEEDER CONDUCTORS TO EXACTLY THE SAME LENGTHS AND USE CONDUCTORS FROM THE SAME FACTORY RUN. TORQUE ALL CONNECTIONS FOR PARALLEL SERVICE/FEEDER CONDUCTORS TO IDENTICAL VALUES. OVERCURRENT PROTECTION RATINGS: UNLESS INDICATED OTHERWISE, PROVIDE FULLY-RATED OR SERIES-RATED OVERCURRENT PROTECTION (OCP) AS REQUIRED TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 70. PROVIDE EQUIPMENT AND OCP RATED TO MEET OR EXCEED THE AVAILABLE SERIES-RATED FAULT CURRENT AT THE RESPECTIVE NODE IN THE POWER DISTRIBUTION SYSTEM, SERIES-RATED BREAKERS/SYSTEMS ARE NOT PERMITTED WHERE PROHIBITED BY PREVAILING CODES AND STANDARDS. INCLUDING APPLICATIONS INVOLVING MOTOR CONTRIBUTION AS ADDRESSED IN ARTICLE 240.86(C) OF NEPA 70. FURNISH FLECTRONIC COPIES OF THE ELECTRICAL DOCUMENTS TO THE MANUFACTURER'S REPRESENTATIVE AND/OR EQUIPMENT SUPPLIER SO THAT PROPERLY RATED AND BRACED EQUIPMENT IS PROVIDED UNDER BASE BID. IF
- FAULT CURRENT VALUES ARE NOT INDICATED ON PLANS, ALSO PROVIDE FAULT CURRENT CALCULATIONS AND FURNISH RESULTS WITH EQUIPMENT SUBMITTALS. GROUNDING ELECTRODE CONDUCTOR SYSTEM: PROVIDE GROUNDING ELECTRODE CONDUCTOR SYSTEM IN STRICT COMPLIANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), INCLUDING ARTICLE 250 AND TABLE 250.66. THESE CONDUCTORS MAY OR MAY NOT BE INDICATED ON SINGLE-LINE DIAGRAMS, BUT SHALL BE PROVIDED UNDER BASE BID NEVERTHELESS FLUSH MOUNTED EQUIPMENT: PROVIDE FLUSH MOUNTED POWER DISTRIBUTION AND RELATED
- INSTALLATIONS WITH ARCHITECT, OWNER AND AFFECTED TRADES. ELSEWHERE PROVIDE SURFACE MOUNTED EQUIPMENT UNLESS FLUSH MOUNTED EQUIPMENT IS SHOWN ON DRAWINGS OR UNLESS NEEDED TO ACCOMMODATE UNUSUAL CONDITIONS. POWER DISTRIBUTION EQUIPMENT LABELS: IN ADDITION TO LABELS REQUIRED WITHIN THE PECIFICATIONS, INCLUDE CORRESPONDING MAXIMUM AIC (AVAILABLE INRUSH CURRENT) AND

EQUIPMENT FOR APPLICATIONS IN FINISHED AREAS AND COORDINATE THESE LOCATIONS AND

AVAILABLE. ELSEWHERE, PROVIDE INSULATED BUTT-SPLICES OR EQUIVALENT METHOD, WITH TAILS SIZED TO FIT LUGS/TERMINALS, PROVIDE SPLICES IN SEPARATE BOXES IF REQUIRED BASED ON

- SHORT-CIRCUIT CURRENT RATING (SCCR) FOR EACH PIECE OF POWER DISTRIBUTION EQUIPMENT, ALONG WITH ARC FLASH LABELS COMPLIANT WITH ARTICLE 110.16 OF NFPA 70. ALSO INCLUDE CONDUCTOR COLOR CODING FOR THE BUILDING AND PHASE ROTATION AS APPLICABLE. CONDUCTOR TERMINATIONS: IN CASES WHERE CONDUCTOR SIZES ARE TOO LARGE TO FIT INTO LUGS/TERMINALS, PROVIDE APPROPRIATE FACTORY LUG KITS FOR AFFECTED EQUIPMENT IF
- FIELD CONDITIONS, BOX SIZE LIMITATIONS, ETC. CONCEAL BOXES IN ACCESSIBLE OVERHEAD JOIST SPACES IN FINISHED REGULARLY OCCUPIED AREAS. ALUMINUM CONDUCTORS: PROVIDE THE FOLLOWING SUPPLEMENTAL WORK FOR ALUMINUM-CONDUCTOR ELECTRICAL EQUIPMENT CONNECTIONS, REGARDLESS OF WHO FURNISHES THE EQUIPMENT: REVIEW EQUIPMENT SUBMITTALS, INSTALLATION DOCUMENTS AND NAMEPLATES TO DETERMINE IF THERE ARE ANY WARRANTY OR UL LIMITATIONS REGARDING COPPER VERSUS ALUMINUM WIRING CONNECTIONS AT EQUIPMENT: IF THERE ARE ANY LIMITATIONS. PROVIDE LOCAL
- DISCONNECT AT OR NEAR EQUIPMENT (EXTERNAL TO THE EQUIPMENT) AND TERMINATE ALUMINUM CONDUCTORS TO THE LINE-SIDE LUGS/TERMINALS OF THE DISCONNECT SWITCH; PROVIDE COPPER CONDUCTORS FROM LOAD-SIDE LUGS/TERMINALS OF THE DISCONNECT SWITCH TO THE RESPECTIVE EQUIPMENT FACTORY DISCONNECT OR LUG/TERMINALS AS APPLICABLE; COORDINATE ALL RELATED WORK WITH ALL AFFECTED INSTALLERS. BREAKER FRAME SIZES: AMPERE RATINGS INDICATED ON DRAWINGS FOR CIRCUIT BREAKERS ARE SHOWN TO DEFINE OVERCURRENT REQUIREMENTS/TRIP RATINGS. PROVIDE BREAKER FRAMES IN
- SIZES AND TYPES GREATER THAN THE DESIGNATED OVERCURRENT TRIP RATINGS WHERE NECESSARY TO ACHIEVE THE REQUIRED SELECTIVE COORDINATION, AND/OR AS NECESSARY FOR OTHER APPLICABLE REASONS. PLYWOOD EQUIPMENT BOARDS: SEE SPECIFICATION SECTION 260529.00 FOR REQUIREMENTS ASSOCIATED WITH PLYWOOD EQUIPMENT BOARDS. FIELD ADJUSTMENTS OF CIRCUIT BREAKERS: SET FIELD-ADJUSTABLE OVERCURRENT TRIP VALUES

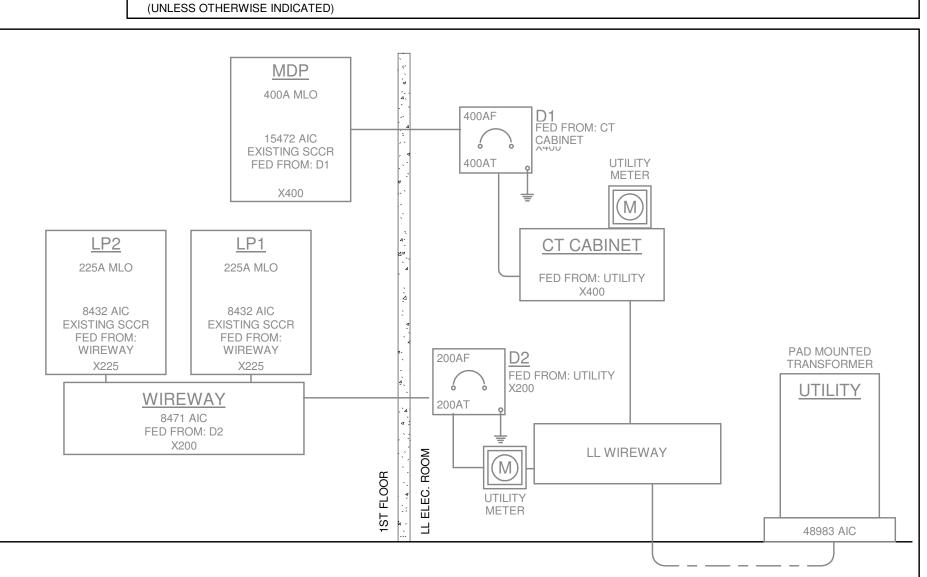
AS INDICATED ON DRAWINGS (UNLESS OTHERWISE SPECIFIED IN OVERCURRENT PROTECTIV DEVICE COORDINATION STUDY). UNLESS INDICATED OTHERWISE ON DRAWINGS, OR DIRECTED OTHERWISE BY ALLI OR PREVAILING CODES, MANUFACTURER SHALL FURNISH SETTING

- INFORMATION BASED ON PROJECT REQUIREMENTS AND PREVAILING CODES, WHILE MINIMIZING THE POSSIBILITY OF NUISANCE TRIPPING. MANUFACTURER SHALL PROVIDE REMOVABLE AND SEALABLE COVERS OVER ALL ADJUSTABLE CIRCUIT BREAKER SETTINGS PER NEC 240.6(C). ELECTRIC UTILITY SERVICE WORK: PROVIDE ALL ELECTRIC UTILITY SERVICE WORK IN STRICT COMPLIANCE WITH PREVAILING REQUIREMENTS OF THE UTILITY COMPANY. THE DRAWINGS INDICATE RELATED REQUIREMENTS AT A SCHEMATIC LEVEL. IT IS NOT THE INTENT OF THESE DRAWINGS TO DETAIL ANY SUCH WORK. UTILITY COMPANY WILL PROVIDE (FURNISH AND INSTALL) UTILITY TRANSFORMER(S). PROVIDE METER SOCKET(S) AND EMPTY CONDUIT (WITH DRAG LINE) FROM MFTER TO CURRENT TRANSFORMER LOCATION. UNLESS METERING OCCURS AT A PAD-MOUNTED UTILITY TRANSFORMER, PROVIDE CURRENT TRANSFORMER (CT) CABINET COMPLIANT WITH UTILITY COMPANY STANDARDS. PROVIDE CONCRETE PAD OR VAULT FOR PAD-MOUNTED UTILITY TRANSFORMER(S), AS DIRECTED BY UTILITY COMPANY AND COMPLIANT WITH UTILITY
- COMPANY STANDARDS. COORDINATE WITH UTILITY COMPANY AS REQUIRED TO PROVIDE COMPLETE OPERATIONAL ELECTRIC SERVICE(S) NATIONAL ACCOUNT VENDOR: FOR INTERIOR PANELS CONTRACTOR SHALL CONTACT NATIONAL
- ACCOUNT VENDOR FOR FOUIPMENT TO BE FURNISHED BY TENANT FOR THE PROJECT. CONTRACTOR SHALL PROVIDE ALL OTHER EQUIPMENT INCLUDING EXTERIOR CABINETS, DISCONNECTS, METERS, WIREWAYS, CONDUIT AND WIRE NEEDED FOR COMPLETE SYSTEM.
- PROVIDED BY CONTRACTOR: ALL CONDUIT, WIRE, MISCELLANEOUS ITEMS AND HARDWARE, ETC... FOR A COMPLETE AND OPERATIONAL SYSTEM. EMS UPDATES: CONTRACTOR IS TO COORDINATE ANY EMS UPDATES AND CHANGES FOR LIGHTING CONTROL AND HVAC SYSTEMS INCLUDING ANY CONTRACTOR LABOR AND MATERIALS NEEDED TO
- COMPLETE SYSTEM REVISIONS. DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING
- THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO
- MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT. REFER TO LANDLORD DRAWINGS FOR AIC RATINGS FOR ALL ELECTRICAL EQUIPMENT

PLAN-VIEW AND GRAPHIC LINE TYPES

WORK SHOWN BOLD-CONTINUOUS INDICATES NEW WORK

(UNLESS OTHERWISE INDICATED) WORK SHOWN FADED INDICATES EXISTING WORK TO REMAIN OR NEW WORK BY OTHERS AS APPLICABLE



FAULT CURRENT CALCULATIONS

TRANSFORMER AT 1.7% IMPEDANCE. VERIFY THE AVAILABLE FAULT CURRENT AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

FAULT CURRENT CALCULATIONS ARE BASED ON A 300 KVA UTILITY

DOLLAR TREE ELECTRIC SINGLE LINE EQUIPMENT SCHEDULE YPICAL FOUIPMENT NAME NOMENCLATURE: FEEDER ID NOMENCLATURE: ALL CONDUIT SIZES INDICATED ARE MINIMUM SIZES. INCREASE SIZES AS REQUIRED TO 1 - POWER DISTRIBUTION SYSTEM (BLANK - NORMAL, E - EMERGENCY, S - STANDBY, L - LIFE SAFETY) * - INDICATES FEEDER SIZED TO COMPENSATE FOR VOLTAGE DROP 2 - CONDUCTOR AMPACITY - GROUND TYPE (MAY BE BLANK) 3 - TOTAL NUMBER OF PHASE AND GROUNDED ("NEUTRAL") CONDUCTORS ACCOMMODATE CONDUCTOR PULLING EASE, FIELD CONDITIONS, ETC. 2 - DESCRIPTION (H - 480Y/277V, L - 208Y/120V) 4 - CONDUCTOR MATERIAL: C = COPPER, A = ALUMINUM 3 - FLOOR / LEVEL U = EQUIPMENT GROUND CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY P = PARITY-SIZED EQUIPMENT GROUND CONDUCTOR 5 - SPECIAL (MAY BE BLANK) "CU" = COPPER CONDUCTOR, "AL" = ALUMINUM CONDUCTOR 4 - SEQUENCE I = ISOLATED GROUND (PROVIDE CONTINUOUS INSULATED ISOLATED EQUIPMENT GROUNDING CONDUCTOR(S) FROM INSULATED ISOLATED GROUND BAR(S) TO X = EXISTING FEEDER TO REMAIN UNLESS OTHERWISE NOTED T = UPSIZED GROUND CONDUCTORS FOR TRANSFORMER SECONDARY RESPECTIVE UPSTREAM SERVICE ENTRANCE OR DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE. FAULT SHORT MAINS | MAINS FRAME ENCLOSURE SUPPLY SPACE CURRENT CIRCUIT **EQUIPMENT** FROM NUMBER RATING (A) NEMA 3R EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE NEMA 1 31838 EXISTING 32 x 24 x 10 EXISTING FEEDER. AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE 29900 EXISTING Yes NEMA 1 Enclosed Circuit Breake 107.8 kVA EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE Distribution Panelboard EXISTING PRE-SALES MAIN LUGS ONLY 18718 EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE 0.594 Yes NEMA 1 EXISTING **Enclosed Circuit Breaker** 54.4 kVA FUSED 8471 8432 8432 EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE 1.752 EXISTING WIREWAY Existing THERMAL MAGNET NEMA 1 EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE 1.754 EXISTING Branch Panelboard WIREWAY 106 PRE-SALES MAIN LUGS ONLY NEMA 1 EXISTING FEEDER, AT RATING INDICATED, TO REMAIN UNLESS NOTED OTHERWISE PRE-SALES NEMA 1 EXISTING Branch Panelboard WIREWAY 106 MAIN LUGS ONLY

PANEL SCHEDULE LEGEND NEW CIRCUIT TO EXISTING CIRCUIT BREAKER PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) CIRCUIT BREAKER (GÉ) (ST) PROVIDE GROUND-FAULT EQUIPMENT PROTECTION (GFEP) CIRCUIT BREAKER PROVIDE SHUNT TRIP CIRCUIT BREAKER PROVIDE ARC FAULT CIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKER (A) =PROVIDE LOCK-ON DEVICE

Engineers, PSC PC ECHANICAL/ELECTRICAL ENGINEERS WWW.KLHPE.COM 206 CLIFF AVENUE PELHAM, NY 10803 859-442-8050 PELHAM, NEW YORK FORT THOMAS, KENTUCKY



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KLH PROJECT