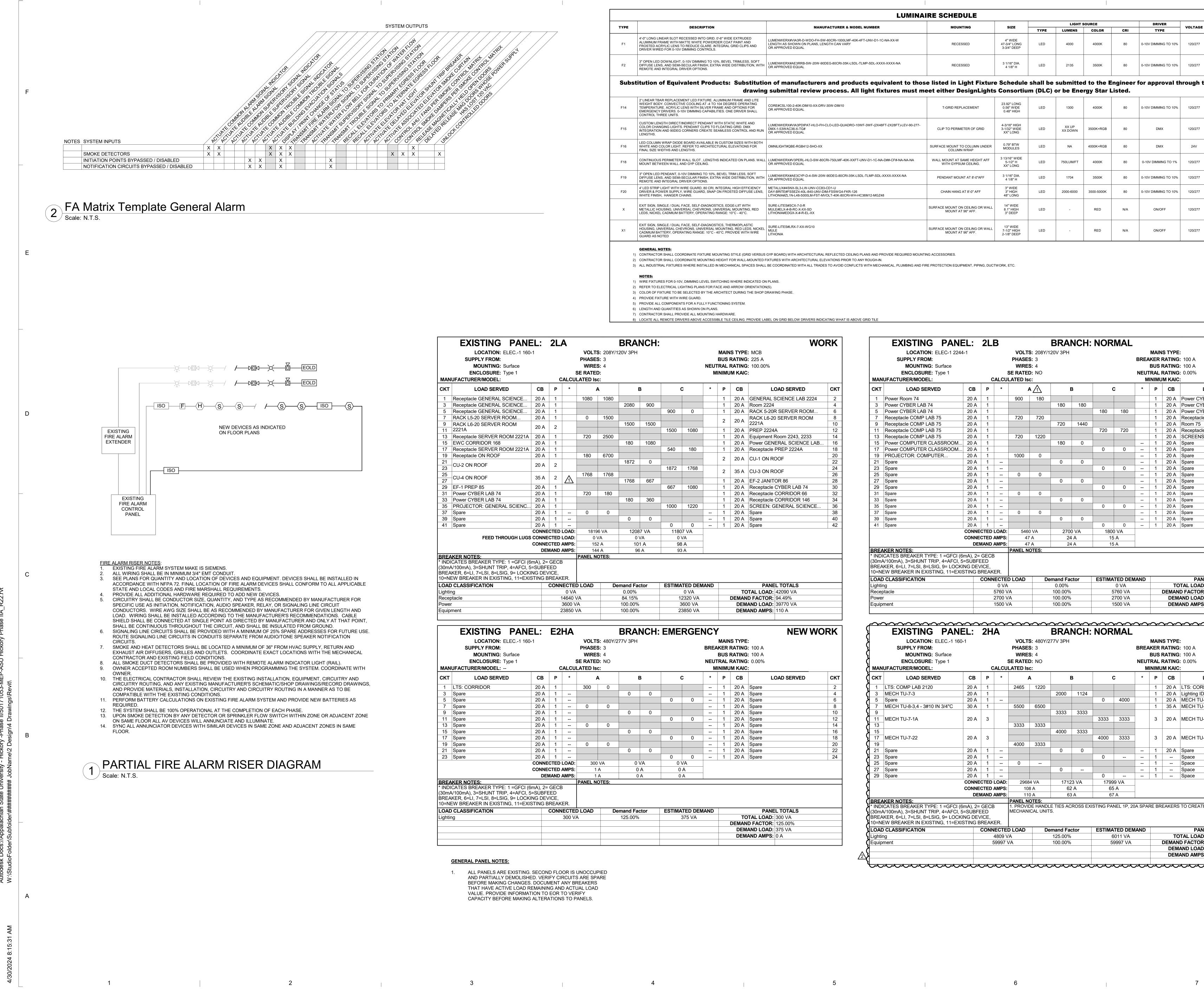


	WALL RATING LEGEND:	KEYPLAN:
SINGLE MEANS AT R RIC OVIDED BY TED. SINGLE MEANS AT R ATIC FLUSH MBING	FIRE WALLS 3-HR FIRE WALL FIRE PARTITIONS 2-HR FIRE BARRIER 1-HR FIRE BARRIER	
BE		

	DIV	ERSIFIED	ARCHITE	CTURAL C	
		Ch	arlotte (704) 5	, NC 2820 25-6350	Suite 1600 02 e . c o m
	This prope Const	drawing a rty of Liti ulting. Ti	nd the de tle Divers he reprodi	sign shown ified Archin uction, copyr	are the ectural ing or other
	is pro	hibited an al action.	od any inj	fringement u e 2024 —	itten consent vill be subject
				ngineers	nc.
			919.881.99 NC License	C 27607-3073 939 e No. F-0929 Project #:501	71053
			5		
GEN LAB 84					
CHEMISTRY 83					
RRIDOR 148					
		NUN NUN		11111111111111111111111111111111111111	
		TITITITITITI	SE 38A86FD1B 038(NGII	NEEP UN	MILLIN
	1550E	for D SET		024	
	issue 03 revisi NO.	.25.20	24 REASC	DN	DATE
	1 2		NDUM 1 NDUM 2		04/29/2024 04/30/2024
		EER OF RE HAEL ER FER A	. YOU		
	DESIG TRA PROJEC	NER CYV	AN A		SE IIA
SOUTH	SC0 800		22-25 St NW	410-01. /	
	projec 11	320	474	01	
	SEC	COND)r po\ Ia nof	
	SHEET	NUMBER			
			-12	2A	N



DocuSign Envelope ID: 7C9FAFD4-54BB-4F26-ADE3-AAEF525B7358

TYPE DESCRIPTION 4'-0" LONG LINEAR SLOT RECESSED INTO GRID. 0'-6" WIDE EXTRUDED UMENWERX#VIA3R-D-WDC ALUMINUM FRAME WITH MATTE WHITE POWERDER COAT PAINT AND LENGTH AS SHOWN ON PLA OR APPROVED EQUAL FROSTED ACRYLIC LENS TO REDUCE GLARE. INTEGRAL GRID CLIPS AND DRIVER WIRED FOR 0-10V DIMMING CONTROLS. 3" OPEN LED DOWNLIGHT, 0-10V DIMMING TO 10%, BEVEL TRIMLESS, SOFT DIFFUSE LENS, AND SEMI-SECULAR FINISH, EXTRA WIDE DISTRIBUTION, WITH REMOTE AND INTEGRAL DRIVER OPTIONS. Substitution of Equivalent Products: Substitution of manufactu drawing submittal revie 2' LINEAR TBAR REPLACEMENT LED FIXTURE. ALUMINUM FRAME AND LITE WEIGHT BODY. CONVECTIVE COOLING AT -4 TO 104 DEGREE OPERATING CORE#CSL100-2-40K-DIM10-X F14 TEMPERATURE. ACRYLIC LENS WITH SILVER FRAME AND OPTIONS FOR OR APPROVED EQUAL EMERGENCY DRIVERS. 0-10V DIMMING CAPABILITIES. ONE DRIVER SHALL CONTROL THREE UNITS. CUSTOM LENGTH DIRECT/INDIRECT PENDANT WITH STATIC WHITE AND COLOR CHANGING LIGHTS. PENDANT CLIPS TO FLOATING GRID. DMX INTEGRATION AND 90DEG CORNERS CREATE SEAMLESS CONTROL AND RUN OR APPROVED EQUAL LUMENWERX#VIA3PDIPAT-HI F15 LED COLUMN WRAP DIODE BOARD AVAILABLE IN CUSTOM SIZES WITH BOTH WHITE AND COLOR LIGHT. REFER TO ARCHITECTURAL ELEVATIONS FOR FINAL SIZE WIDTHS AND LENGTHS. F16 CONTINUOUS PERIMETER WALL SLOT, LENGTHS INDICATED ON PLANS. WALL LUMENWERX#V3PERL-HLO-S F18 MOUNT BETWEEN WALL AND GYP CEILING. OR APPROVED EQUAL 3" OPEN LED PENDANT, 0-10V DIMMING TO 10%, BEVEL TRIM LESS, SOFT 3" OPEN LED PENDANT, 0-10V DIMMING TO 10%, BEVEL TRIM LESS, SOFT DIFFUSE LENS, AND SEMI-SECULAR FINISH, EXTRA WIDE DISTRIBUTION, WITH DEMOTE AND INTEGRAL DRIVER OPTIONS F19 REMOTE AND INTEGRAL DRIVER OPTIONS. 4' LED STRIP LIGHT WITH WIRE GUARD, 80 CRI, INTEGRAL HIGH EFFICIENCY METALUX#4SNX-SL3-LW-UN DRIVER & POWER SUPPLY, WIRE GUARD, SNAP ON FROSTED DIFFUSE LENS, WHITE FINISH, HANGER CHAINS. DAY-BRITE#FSSE24-40L-840-1 LITHONIA#ZL1N-L48-5000LM-I F20 EXIT SIGN, SINGLE / DUAL FACE, SELF-DIAGNOSTICS, EDGE-LIIT WITH SURE-LITES#SCX-7-0-R METALLIC HOUSING, UNIVERSAL CHEVRONS, UNIVERSAL MOUNTING, RED LEDS, NICKEL CADMIUM BATTERY, OPERATING RANGE: 10°C - 40°C. UITHONIA#EDGX-X#-R-EL-XX EXIT SIGN. SINGLE / DUAL FACE. SELF-DIAGNOSTICS. THERMOPLASTIC EXIT SIGN, SINGLE / DUAL FACE, SELF-DIAGNOSTICS, THERMOPLASTIC HOUSING, UNIVERSAL CHEVRONS, UNIVERSAL MOUNTING, RED LEDS, NICKEL CADMIUM BATTERY, OPERATING RANGE: 10°C - 40°C. PROVIDE WITH WIRE GLIARD AS NOTED GUARD AS NOTED **GENERAL NOTES:** 1) CONTRACTOR SHALL COORDINATE FIXTURE MOUNTING STYLE (GRID VERSUS GYP BOARD) WITH ARCHITECTURAL REFLECTED CEILING PLANS AND PROVIDE REQUIRED MOUNTING ACCESSORIES. 2) CONTRACTOR SHALL COORDINATE MOUNTING HEIGHT FOR WALL-MOUNTED FIXTURES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ANY ROUGH-IN. NOTES: 1) WIRE FIXTURES FOR 0-10V, DIMMING LEVEL SWITCHING WHERE INDICATED ON PLANS. 2) REFER TO ELECTRICAL LIGHTING PLANS FOR FACE AND ARROW ORIENTATION(S). 3) COLOR OF FIXTURE TO BE SELECTED BY THE ARCHITECT DURING THE SHOP DRAWING PHASE. 4) PROVIDE FIXTURE WITH WIRE GUARD. 5) PROVIDE ALL COMPONENTS FOR A FULLY FUNCTIONING SYSTEM.

6) LENGTH AND QUANTITIES AS SHOWN ON PLANS.

7) CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE.

EXISTING PAN	EL: 2	LA			BRAN	CH:				W	DRK	EXISTING	G PANEL:	2LB		BRA	NCH:	NORM	/IAL			
LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface	60-1		PHASE WIRE	S : 4	120V 3PH		N	BU IEUTRA	AINS TYPE: MCB IS RATING: 225 A AL RATING: 100.00%			SUPPLY FROM MOUNTING	G: Surface		PHASES: WIRES:	4	ł			REAKER F BUS F	RATING:	100 A 100 A
ENCLOSURE: Type 1 MANUFACTURER/MODEL:			SE RATE					MINI	MUM KAIC:			ENCLOSUR MANUFACTURER/MODE			SE RATED: LATED lsc:				N	EUTRAL F MINIMU		0.00%
				A			•	+ F	P CB I		OKT		-			^		0		+ 5		
CKT LOAD SERVED	CB P			A	В		L I			OAD SERVED	СКТ	CKT LOAD SE				<u>/1\</u>	В	C		т Р	СВ	
1 Receptacle GENERAL SCIENCE 3 Receptacle GENERAL SCIENCE	20 A 1 20 A 1		1080	1080	2080	900		1	1 20 A GENERAL 1 20 A Room 2224	SCIENCE LAB 2224	2	1 Power Room 74 3 Power CYBER LAB 7	20 A 74 20 A		900	180 180	180			1		Power CYBER LAB 74 Power CYBER LAB 74
5 Receptacle GENERAL SCIENCE	20 A 1				2000	900 900	0	1		+)R SERVER ROOM	6	5 Power CYBER LAB				100	100	180	180	1		Power CYBER LAB 74
7 RACK L5-20 SERVER ROOM	20 A 1		0	1500					RACK L6-2	20 SERVER ROOM	8	7 Receptacle COMP L			720	720				1		Receptacle COMP LAB 7
9 RACK L6-20 SERVER ROOM	20 A 2				1500 1	500			222 IA		10	9 Receptacle COMP L				720	1440			1		Room 75
11 2221A 13 Receptacle SERVER ROOM 2221			720	2500		1500	1080	1	1 20 A PREP 2224	4A Room 2243, 2233	12	11 Receptacle COMP L 13 Receptacle COMP L			720	1220		720	720	1		Receptacle COMP LAB 7 SCREENS: COMPUTER.
15 EWC CORRIDOR 168	20 A 1		720	2500	180 1	080		1		NERAL SCIENCE LAB.		15 Power COMPUTER			720	1220 180	0			1	20 A 3	
17 Receptacle SERVER ROOM 2221						540	180	1	1 20 A Receptacle		18	17 Power COMPUTER						0	0 -	1	20 A 🖇	•
19 Receptacle ON ROOF	20 A 1		180	6700		-		2	2 20 A CU-1 ON F	ROOF	20	19 PROJECTOR: COM			1000	0			-	1	20 A 💲	
21 23 CU-2 ON ROOF	20 A 2				1872	0 1872	1768				22 24	21 Spare 23 Spare	20 A 20 A			0	0	0	•	1 1	20 A 3	•
25		-	1768	1768		1072	1700	2	2 35 A CU-3 ON F	ROOF	24	25 Spare	20 A 20 A		0	0		0		1	20 A 3	
27 CU-4 ON ROOF	35 A 2	Λ			1768	667		1	1 20 A EF-2 JANI ⁻	TOR 86	28	27 Spare	20 A		-	0	0		-	1	20 A 💲	•
29 EF-1 PREP 85	20 A 1					667	1080	1	1 20 A Receptacle		30	29 Spare	20 A					0	0 -	1	20 A 💲	· · · · · · · · · · · · · · · · · · ·
31Power CYBER LAB 7433Power CYBER LAB 74	20 A 1 20 A 1		720	180	100	260		1	1 20 A Receptacle		32	31 Spare	20 A		0	0	0			1	20 A 3	•
33 POWER CYBER LAB 74 35 PROJECTOR: GENERAL SCIENC					180	360 1000	1220	1	1 20 A Receptacle	GENERAL SCIENCE	34	33 Spare 35 Spare	20 A 20 A			0	0	0	-	1 1	20 A 3	
37 Spare	20 A 1		0	0		1000		1	1 20 A Spare		38	37 Spare	20 A		0	0			-	1	20 A	•
39 Spare	20 A 1			-	0	0		1	1 20 A Spare		40	39 Spare	20 A			0	0			1	20 A 🖇	
41 Spare	20 A 1					0	0	1	1 20 A Spare		42	41 Spare	20 A					0	-	1	20 A 💲	Spare
				96 VA	12087 V		307 VA							ECTED LOAD: ECTED AMPS:	5460		00 VA	1800				
FEED THROUGH LUC				VA 52 A	0 VA 101 A		0 VA 98 A							ECTED AMPS: EMAND AMPS:			24 A 24 A	15 A 15 A				
		D AMPS:		14 A	96 A		93 A					BREAKER NOTES:					247	107				
BREAKER NOTES:			PANEL N	OTES:								* INDICATES BREAKER T										
* INDICATES BREAKER TYPE: 1 =GFCI												(30mA/100mA), 3=SHUNT BREAKER, 6=LI, 7=LSI, 8=										
(30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC												10=NEW BREAKER IN EXI										
10=NEW BREAKER IN EXISTING, 11=EX												LOAD CLASSIFICATION		CONNECTE	D LOAD	Demand F	actor	ESTIMATI	ED DEMAN	ID		PANEL TOTALS
LOAD CLASSIFICATION	CO		D LOAD	De	emand Factor	· ESTIM	ATED DEMAN	ND		EL TOTALS		Lighting		0 VA		0.00%) VA			AL LOAD: 9960 VA
Lighting		0 V A	۱		0.00%		0 VA		TOTAL LOAD	12000 \/A		Receptacle		5760 \	/Δ	100.00	%	576	60 VA	r	DEMAND	FACTOR: 100.00%
												· · · · · · · · · · · · · · · · · · ·										
Lighting Receptacle		14640	VA		84.15%		12320 VA		DEMAND FACTOR	: 94.49%		Power		2700 \	/A	100.00	%	270	00 VA		DEMA	ND LOAD: 9960 VA
Power			VA /A							: 94.49% : 39770 VA		· · · · · · · · · · · · · · · · · · ·			/A		%	270			DEMA	ND LOAD: 9960 VA ND AMPS: 28 A
Receptacle Power Equipment		14640 3600 \	VA /A		84.15% 100.00%		12320 VA 3600 VA		DEMAND FACTOR DEMAND LOAD	: 94.49% : 39770 VA		Power		2700 \	/A	100.00	%	270	00 VA		DEMA	
Power Equipment		14640 3600 \ 23850	VA /A		84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA		DEMAND FACTOR DEMAND LOAD	: 94.49% : 39770 VA : 110 A		Power Equipment		2700 \ 1500 \	/A /A		% %	27(15(00 VA 00 VA		DEMA DEMA	ND AMPS: 28 A
Power	EL: E	14640 3600 \	VA /A		84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA	CY	DEMAND FACTOR DEMAND LOAD	: 94.49% : 39770 VA	DRK	Power Equipment	G PANEL:	2700 \ 1500 \	/A /A		% %	27(15(00 VA 00 VA		DEMA DEMA	ND AMPS: 28 A
Power Equipment		14640 3600 \ 23850	VA /A VA		84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA		DEMAND FACTOR DEMAND LOAD	: 94.49% : 39770 VA : 110 A	DRK	Power Equipment EXISTING		2700 \ 1500 \	/A /A		[%] % NCH:	27(15(00 VA 00 VA	~~~	DEMA DEMA	ND AMPS: 28 A
Power Equipment EXISTING PAN		14640 3600 \ 23850	VA /A VA	'S: 480Y/2	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA	MA	DEMAND FACTOR DEMAND LOAD DEMAND AMPS	: 94.49% : 39770 VA : 110 A	ORK	Power Equipment EXISTING	G PANEL: N : ELEC1 160-1	2700 \ 1500 \	/A /A	100.00 100.00 BR/ 480Y/277V 3P	[%] % NCH:	27(15(00 VA 00 VA	~~~	DEMA DEMA	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface		14640 3600 \ 23850 2HA	VA /A VA VOLT PHASE WIRE	'S : 480Y/2 :S : 3 :S : 4	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A	: 94.49% : 39770 VA : 110 A	DRK	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING	G PANEL: N : ELEC1 160-1 M : G : Surface	2700 \ 1500 \ 2HA	VOLTS: PHASES: WIRES:	100.00 100.00 BR/ 480Y/277V 3P 3 4	[%] % NCH:	27(15(00 VA 00 VA AL BF	MAINS REAKER F BUS F	DEMA DEMA S TYPE: RATING: RATING:	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1		14640 3600 \ 23850 2HA	VA /A VA VOLT PHASE WIRE SE RATE	'S : 480Y/2 S : 3 S : 4 D : NO	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A AL RATING: 0.00%	: 94.49% : 39770 VA : 110 A	DRK	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1	2700 \ 1500 \ 2HA	/A /A VOLTS: PHASES: WIRES: SE RATED:	100.00 100.00 BR/ 480Y/277V 3P 3 4	[%] % NCH:	27(15(00 VA 00 VA AL BF	MAIN MAIN REAKER F BUS F EUTRAL F	DEMA DEMA S TYPE: RATING: RATING: RATING:	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface		14640 3600 \ 23850 2HA	VA /A VA VOLT PHASE WIRE	'S : 480Y/2 S : 3 S : 4 D : NO	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A	: 94.49% : 39770 VA : 110 A	DRK	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1	2700 \ 1500 \ 2HA	VOLTS: PHASES: WIRES:	100.00 100.00 BR/ 480Y/277V 3P 3 4	[%] % NCH:	27(15(00 VA 00 VA AL BF	MAINS REAKER F BUS F	DEMA DEMA S TYPE: RATING: RATING: RATING:	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1		14640 3600 \ 23850 2HA	VA /A VA VOLT PHASE WIRE SE RATE	'S : 480Y/2 S : 3 S : 4 D : NO	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA MINII	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC:	: 94.49% : 39770 VA : 110 A	ORK	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 L:	2700 \ 1500 \ 2HA CALCU	/A /A VOLTS: PHASES: WIRES: SE RATED:	100.00 100.00 BR/ 480Y/277V 3P 3 4	[%] % NCH:	27(15(00 VA 00 VA AL BF	MAIN MAIN REAKER F BUS F EUTRAL F	DEMA DEMA S TYPE: RATING: RATING: RATING:	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL:	60-1	14640 3600 \ 23850 2HA	VA /A VA VOLT PHASE WIRE SE RATE	'S : 480Y/2 S : 3 S : 4 D : NO	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA MINII	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC:	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB	2700 \ 1500 \ 2HA CALCU	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A	100.00 100.00 BR/ 480Y/277V 3P 3 4	[%] % NCH:	27(15(00 VA 00 VA AL BF	MAIN REAKER F BUS F EUTRAL F MINIMU	DEMA DEMA S TYPE: RATING: RATING: RATING: M KAIC: CB	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare	50-1 CB P 20 A 1 20 A 1	14640 3600 \ 23850 2HA	VA /A VA PHASE WIRE SE RATE	S : 480Y/2 S : 3 S : 4 D : NO S C: A	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA MINII	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: D CB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO	[%] % NCH : H			MAINS REAKER F BUS F EUTRAL F MINIMU * P 1	DEMA DEMA STYPE: RATING: RATING: RATING: M KAIC: CB 20 A I 20 A I	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare	CB P 20 A 1 20 A 1 20 A 1	14640 3600 \ 23850 2HA CALCU	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300	TS: 480Y/2 SS: 3 SS: 4 ID: NO SC: 0 0 0	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA MINII	DEMAND FACTOR DEMAND LOAD DEMAND LOAD DEMAND AMPS AINS TYPE: RATING: 100 A JS RATING: 100 A JS RATING: 100 A JS RATING: 100 A JS RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SER 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 SL: RVED CB 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA P * 1 1 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A 2465	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000	[%] % NCH : H		00 VA 00 VA AL BF	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1	DEMA DEMA STYPE: RATING: RATING: RATING: M KAIC: DB 20 A I 20 A I 20 A I	ND AMPS: 28 A 100 A 100 A 100 A 0.00% LOAD SERVEE _TS: CORRIDOR
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare	60-1 CB P 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA PHASE WIRE SE RATE	S : 480Y/2 S : 3 S : 4 D : NO S C: A	84.15% 100.00% 100.00%	CH: EME	12320 VA 3600 VA 23850 VA ERGEN(MA REAKE BU IEUTRA MINII	DEMAND FACTORDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:PCB120 A20 ASpare120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 SL: RVED CB 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA P * 1 1 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A 2465	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 1220 2000 6500	% % NCH: 1 B 1124			MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1	DEMA DEMA STYPE: RATING: RATING: RATING: M KAIC: DB 20 A I 20 A I 20 A I	ND AMPS: 28 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare	CB P 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300	TS: 480Y/2 SS: 3 SS: 4 ID: NO SC: 0 0 0	84.15% 100.00% 100.00%		12320 VA 3600 VA 23850 VA ERGENO BI N C C	MA REAKE BU IEUTRA MINII	DEMAND FACTOR DEMAND LOAD DEMAND AMPS DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: D CB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A 2465	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000	% % ANCH: H B 1124	27(15)		MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1	DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: M KAIC: CB 20 A I 20 A I 20 A I 20 A I 20 A I	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare	60-1 CB P 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300	TS: 480Y/2 SS: 3 SS: 4 ID: NO SC: 0 0 0	84.15% 100.00% 100.00%	CH: EME	12320 VA 3600 VA 23850 VA ERGEN(BI N C C 0 0	MA REAKE BU IEUTRA MINII	DEMAND FACTORDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:PCB120 A20 ASpare120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SER 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 SL: RVED CB 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A 2465 5500	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 1220 2000 6500	% % NCH: 1 B 1124	27(15)		MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1	DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: M KAIC: CB 20 A I 20 A I 20 A I 20 A I 20 A I	ND AMPS: 28 A 100 A 100 A 100 A 0.00% LOAD SERVEE _TS: CORRIDOR
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare	CB P 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 0 0	84.15% 100.00% 100.00%	CH: EME	12320 VA 3600 VA 23850 VA ERGEN(BI N C C 0 0	MA REAKE BU IEUTRA MINII * F 1 1 1 1 1	DEMAND FACTORDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 100 AJS ASpare120 ASpare120 ASpare120 ASpare120 ASpare120 ASpare120 ASpare120 ASpare	: 94.49% : 39770 VA : 110 A NEW WC		Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SER 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-1A	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A 2465 5500	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 3333	% % NCH: 1 1124 3333	27(15)		MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1	DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: M KAIC: CB 20 A I 20 A I 20 A I 20 A I 20 A I	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 17 Spare	CB P 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 0 0	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0	CH: EME CH: O CH: O	12320 VA 3600 VA 23850 VA ERGEN(BI N C C 0 0	MA REAKE BU IEUTRA MINII * F 1 1 1 1 1	DEMAND FACTORDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 100 AJS CBL120 A20 ASpare120 A20 ASpare120 A20 ASpare120 A20 ASpare120 A20 ASpare120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-22	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 ELE RVED CB 20 20 A 20 20 A 10 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 1	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: 2465 5500 33333	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 3333 3333 4000	% % NCH: 1 1124 3333	27(15) NORN		MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3	DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: CB 20 A I 20 A I 20 A I 20 A I 20 A I	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 17 Spare 19 Spare	CB P 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 0 0	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0	CH: EME CH: O CH: O	12320 VA 3600 VA 23850 VA ERGEN(BI N C C 0 0	MA REAKE BU IEUTRA MINII * F 1 1 1 1 1	DEMAND FACTORDEMAND LOADDEMAND AMPSDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:PCBL120 A20 ASpare120 A20 A	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-22 19	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 10 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 3 3	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: 2465 5500 33333	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 1220 2000 6500 6500 3333	% % NCH: 1 1124 3333	27(15) NORN	00 VA 00 VA 7AL BF NI 4000	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: M KAIC: DE 20 A I 20 A I 20 A I 20 A I 20 A I 20 A I 20 A I	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare	CB P 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE LATED Is 300 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 0 0 0 0 0 0 0 0	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0	CH: EME CH: CMA CHARACTER	12320 VA 3600 VA 23850 VA ERGEN(BI N C 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SER 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 ELE RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 1 1 1 1 1 1 3 3 1 	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: 2465 5500 33333	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 3333 3333 4000	% % NCH: 1 1124 3333	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 33333	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1 20 A 1 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 17 Spare 19 Spare	CB P 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VOLT PHASE WIRE SE RATE ILATED Is 300 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0	84.15% 100.00% 100.00% 277∨ 3PH 277∨ 3PH 0	CH: EME CH: CMA CHARTER CARACTER CARACT	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11	DEMAND FACTORDEMAND LOADDEMAND AMPSDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:PCBL120 A20 ASpare120 A20 A	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 A 20 A	2700 \\ 1500 \\ 2HA CALCU P * 1 1 1 1 1 3 3 1 1 	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: 2465 5500 33333 4000	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 3333 3333 4000 3333 0 0	% % NCH: 1 1124 3333	27(15) NORN	00 VA 00 VA 71AL BF NI 4000 33333	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: M KAIC: CB 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare	CB P 20 A 1 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VA VOLT PHASE WIRE SE RATE LATED Is 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO S: 0 A 0	84.15% 100.00% 100.00% BRANC 277V 3PH 277V 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME CH: CM CH: CM CM CH: CM C	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 25 Spare 23 Spare 25 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 SL: RVED CB 20 20 A 20 20 A 10 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 3 3 1 1 1 1 1 	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: 2465 5500 33333	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 3333 4 00 3333 0 0	% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 0	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 33333	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: M KAIC: CB 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare	CB P 20 A 1 20 A 1	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED IS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0	84.15% 100.00% 100.00% 277∨ 3PH 277∨ 3PH 0	CH: EME CH: CMA CHARACTER	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 27 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 410 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 3 3 1 1 1 1 1 	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: 2465 5500 33333 4000	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 3333 3333 4000 3333 0 0	% % NCH: 1 1124 3333	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 33333 3333 3333	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 2 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare	CB P 20 A 1 CONNECTE CONNECTE DEMAN DEMAN	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED IS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TS: 480Y/2 S: 3 S: 4 D: NO S: 0 A 0 0 0 0 0 0 0 0 0 VA 1 A	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME CH: CMA CHARACTER	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 25 Spare 23 Spare 25 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 A 20 A	2700 \\ 1500 \\ 2HA CALCU P * 1 1 1 1 1 1 3 3 1 1 1 1 1 1 1 1 	/A /A VOLTS: PHASES: WIRES: SE RATED: LATED ISC: A 2465 5500 33333 4000 4000	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 3333 4000 3333 0 3333 0 0 3333 0	% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 0	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 33333 3333 3333 	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 2 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 = GFCI	CB P 20 A 1 CONNECTE DEMAN (6mA), 2= GEO 0	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED IS 0 0 0 0 0 0 0 0 0 1 0 1 0 1 1 1 1	TS: 480Y/2 S: 3 S: 4 D: NO S: 0 A 0 0 0 0 0 0 0 0 0 VA 1 A	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME CH: CMA CHARACTER	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 27 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 10 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 1 3 3 3 1 	/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: 2465 33333 4000 33333 4000 29684 108	100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 3333 4000 3333 0 6500 6500 6500 6500 0 3333 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	% % % ANCH: 1 8 11124 33333 3333 3333 3333 0 0 0 123 VA 62 A	27(15) NORN	00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 2 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 = GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI	CB P 20 A 1 CONNECTE DEMAN GenA), 2= GEN 5=SUBFEED	14640 3600 \ 23850 2HA CALCU * 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED IS 0 0 0 0 0 0 0 0 0 1 0 1 0 1 1 1 1	TS: 480Y/2 S: 3 S: 4 D: NO S: 0 A 0 0 0 0 0 0 0 0 0 VA 1 A	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME CH: CMA CHARACTER	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 10 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA CALCU P * 1 1 1 1 1 3 3 1 	/A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 33333 4000 4000 33333 29684 108 110	100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 3333 4 00 3333 00 0 VA 17 A	% % % ANCH: 1 8 1124 3333 3333 3333 0 0 3333 0 0 0 0 0 0 0	27(15) NORN	00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A I 20 A I	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 = GFCI	CB P 20 A 1 CONNECTE DEMAN (6mA), 2= GEO SUBFEED KING DEVICE SUBFEED	14640 3600 \ 23850 2HA 2HA 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED IS 0 0 0 0 0 0 0 0 0 1 0 1 0 1 1 1 1	TS: 480Y/2 S: 3 S: 4 D: NO S: 0 A 0 0 0 0 0 0 0 0 0 VA 1 A	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME CH: CMA CHARACTER	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 1	DEMAND FACTORDEMAND LOADDEMAND LOADDEMAND AMPSAINS TYPE:RATING: 100 AJS RATING: 0.00%MUM KAIC:CBL120 A20 ASpare120 A20 ASpare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 E: RVED CB 20 20 A 20 20 A 20 A 20 A 20 A 20 A 210 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 1 1 1 1 1 1 3 3 3 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS:	/A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 33333 4000 4000 33333 29684 100 29684 108 110 PANEL NO	100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 3333 4 00 3333 00 0 VA 17 A 17 A	% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 VA A A	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E2 LOAD CLASSIFICATION	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA CALCU D LOAD: D AMPS: D AMPS: D AMPS: D AMPS:	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED IS 0 0 0 0 0 0 0 0 0 1 0 1 0 1 1 1 1	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 A 20 A 410 IN 3/4"C 30 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 1 1 1 1 1 1 1 3 3 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED</td> <td>/A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 33333 4000 4000 33333 29684 100 29684 108 110 PANEL NO</td> <td>100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 3333 4 00 3333 00 0 VA 17 A 17 A 17 A</td> <td>% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A</td> <td>27(15) NORN</td> <td>00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 VA A A</td> <td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1</td> <td>DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td> <td>ND AMPS: 28 A 100 A </td>	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 A 20 A 410 IN 3/4"C 30 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 1 1 1 1 1 1 1 3 3 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED	/A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 33333 4000 4000 33333 29684 100 29684 108 110 PANEL NO	100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 3333 4 00 3333 00 0 VA 17 A 17 A 17 A	% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 VA A A	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 15 Spare 15 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA CALCU D LOAD: D AMPS: D AMPS: D AMPS: D AMPS:	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED Is 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% 100.00% 277∨ 3PH 277∨ 3PH 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGEN BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS DEMAND AMPS ALRATING: 100 A JS RATING: 100 A JS RATING: 100 A JS RATING: 0.00% MUM KAIC: PCB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC -OAD SERVED </td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 1 1 1 1 1 1 1 3 3 3 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED VICE,</td> <td>/A /A /A //A //A</td> <td>100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 3333 4 00 3333 00 0 VA 17 A 17 A 17 A</td> <td>% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A</td> <td>27(15) NORN</td> <td>00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 VA A A</td> <td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1</td> <td>DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td> <td>ND AMPS: 28 A 100 A </td>	84.15% 100.00% 100.00% 100.00% 277∨ 3PH 277∨ 3PH 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGEN BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS DEMAND AMPS ALRATING: 100 A JS RATING: 100 A JS RATING: 100 A JS RATING: 0.00% MUM KAIC: PCB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC -OAD SERVED 	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 1 1 1 1 1 1 1 3 3 3 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED VICE,	/A /A /A //A	100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 3333 4 00 3333 00 0 VA 17 A 17 A 17 A	% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 VA A A	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 1 1 1 1 1	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E2 LOAD CLASSIFICATION	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA 2HA 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED Is 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS AMS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: PCB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC NEW WC EL TOTALS : 300 VA : 125.00%</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: EED VICE, BREAKER.</td> <td>/A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: A 2465 33333 4000 4000 29684 110 PANEL NO 1. PROVIDE MECHANIC</td> <td>100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 3333 4000 6500 6500 3333 0 6500 6500 6500 6500</td> <td>% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A ACROSS EX</td> <td>27(15) NORN</td> <td>00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 3333 VA A A C </td> <td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 </td> <td>DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td> <td>ND AMPS: 28 A 100 A </td>	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AMS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: PCB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC NEW WC EL TOTALS : 300 VA : 125.00%	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: EED VICE, BREAKER.	/A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: A 2465 33333 4000 4000 29684 110 PANEL NO 1. PROVIDE MECHANIC	100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 3333 4000 6500 6500 3333 0 6500 6500 6500 6500	% % % ANCH: 1 8 1124 3333 3333 3333 3333 0 0 123 VA 62 A 63 A ACROSS EX	27(15) NORN	00 VA 00 VA 7AL BF NI 4000 3333 3333 3333 3333 VA A A C 	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 1 20 A 1 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E2 LOAD CLASSIFICATION	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA 2HA 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED Is 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED VICE, BREAKER. CONNECTE</td> <td>/A /A //A <p< td=""><td>100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 2000 6500 2000 6500 2000 0 0 0 0 0 0 0 0 0 0 0 0</td><td>% % % ANCH: 1 124 3333 3333 3333 0 0 123 VA 62 A 63 A ACROSS EX</td><td>27(15)</td><td>00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 </td><td>DEMA DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>ND AMPS: 28 A 100 A </td></p<></td>	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED VICE, BREAKER. CONNECTE	/A /A //A <p< td=""><td>100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 2000 6500 2000 6500 2000 0 0 0 0 0 0 0 0 0 0 0 0</td><td>% % % ANCH: 1 124 3333 3333 3333 0 0 123 VA 62 A 63 A ACROSS EX</td><td>27(15)</td><td>00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7</td><td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 </td><td>DEMA DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td><td>ND AMPS: 28 A 100 A </td></p<>	100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 2000 6500 2000 6500 2000 0 0 0 0 0 0 0 0 0 0 0 0	% % % ANCH: 1 124 3333 3333 3333 0 0 123 VA 62 A 63 A ACROSS EX	27(15)	00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 	DEMA DEMA DEMA DEMA S TYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E2 LOAD CLASSIFICATION	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA 2HA 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED Is 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS AMS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: PCB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 23 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 1 1 2465 33333 4000 33333 4000 29684 108 100 1. PROVIDE MECHANIC DLOAD /A</td> <td>100.00 100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 4 00 3333 00 0 3333 00 0 0 1220 1220 2000 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>% % % ANCH: 1 B 11124 3333 3333 3333 3333 3333 3333 333</td> <td>27(15) NORN NORN 10 10 10 10 10 10 10 10 10 10 10 10 10</td> <td>00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 </td> <td>DEMA DEMA DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A EAKERS</td> <td>ND AMPS: 28 A 100 A </td>	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AMS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: PCB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 23 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1	/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 1 1 2465 33333 4000 33333 4000 29684 108 100 1. PROVIDE MECHANIC DLOAD /A	100.00 100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 4 00 3333 00 0 3333 00 0 0 1220 1220 2000 0 0 0 0 0 0 0 0 0 0 0 0	% % % ANCH: 1 B 11124 3333 3333 3333 3333 3333 3333 333	27(15) NORN NORN 10 10 10 10 10 10 10 10 10 10 10 10 10	00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 	DEMA DEMA DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A EAKERS	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E2 LOAD CLASSIFICATION	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA 2HA 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED Is 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED VICE, BREAKER. CONNECTE</td> <td>/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 1 1 2465 33333 4000 33333 4000 29684 108 100 1. PROVIDE MECHANIC DLOAD /A</td> <td>100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 2000 6500 2000 6500 2000 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>% % % ANCH: 1 B 11124 3333 3333 3333 3333 3333 3333 333</td> <td>27(15) NORN NORN 10 10 10 10 10 10 10 10 10 10 10 10 10</td> <td>00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 </td> <td>DEMA DEMA DEMA DEMA DEMA STYPE: RATING: RATING: RATING: 20 A A S A A A A A A A A A A A</td> <td>ND AMPS: 28 A 100 A </td>	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 ECTED LOAD: ECTED AMPS: MAND AMPS: EED VICE, BREAKER. CONNECTE	/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 1 1 2465 33333 4000 33333 4000 29684 108 100 1. PROVIDE MECHANIC DLOAD /A	100.00 100.00 100.00 BR 480Y/277V 3P 3 4 NO 1220 2000 6500 2000 6500 2000 6500 2000 6500 2000 6500 2000 0 0 0 0 0 0 0 0 0 0 0 0	% % % ANCH: 1 B 11124 3333 3333 3333 3333 3333 3333 333	27(15) NORN NORN 10 10 10 10 10 10 10 10 10 10 10 10 10	00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 	DEMA DEMA DEMA DEMA DEMA STYPE: RATING: RATING: RATING: 20 A A S A A A A A A A A A A A	ND AMPS: 28 A 100 A
Power Equipment EXISTING PAN LOCATION: ELEC1 16 SUPPLY FROM: MOUNTING: Surface ENCLOSURE: Type 1 MANUFACTURER/MODEL: CKT LOAD SERVED 1 LTS: CORRIDOR 3 Spare 5 Spare 7 Spare 9 Spare 11 Spare 13 Spare 13 Spare 15 Spare 15 Spare 17 Spare 19 Spare 21 Spare 21 Spare 23 Spare * INDICATES BREAKER TYPE: 1 =GFCI (30mA/100mA), 3=SHUNT TRIP, 4=AFCI BREAKER, 6=LI, 7=LSI, 8=LSIG, 9= LOC 10=NEW BREAKER IN EXISTING, 11=E2 LOAD CLASSIFICATION	CB P 20 A 1 CONNECTE DEMAN 6mA), 2= GEU SUBFEED KING DEVICE KING BREA	14640 3600 \ 23850 2HA 2HA 	VA /A VA VA VOLT PHASE WIRE SE RATE ILATED Is 0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	S: 480Y/2 S: 3 S: 4 D: NO Sc: A 0 <td>84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>CH: EME O CH: O CH CH</td> <td>12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>MA REAKE BU IEUTRA MINII * F 11 11</td> <td>DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare</td> <td>: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -</td> <td>CKT 2 4 6 8 10 12 14 16 18 20 22</td> <td>Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 23 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare</td> <td>G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A</td> <td>2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 1 1 2465 33333 4000 33333 4000 29684 108 100 1. PROVIDE MECHANIC DLOAD /A</td> <td>100.00 100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 4 00 3333 00 0 3333 00 0 0 1220 1220 2000 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>% % % ANCH: 1 B 11124 3333 3333 3333 3333 3333 3333 333</td> <td>27(15) NORN NORN 10 10 10 10 10 10 10 10 10 10 10 10 10</td> <td>00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7</td> <td>MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 </td> <td>DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A</td> <td>ND AMPS: 28 A 100 A </td>	84.15% 100.00% 100.00% BRANC 277∨ 3PH 277∨ 3PH 0 0 0 0 0 0 0 0 0 0 0 0 0	CH: EME O CH: O CH	12320 VA 3600 VA 23850 VA ERGENO BI N C 0 0 0 0 0 0 0 0 0 0 0 0 0	MA REAKE BU IEUTRA MINII * F 11 11 11 11 11 11 11 11 11 11 11 11	DEMAND FACTOR DEMAND LOAD DEMAND AMPS AINS TYPE: R RATING: 100 A JS RATING: 100 A JS RATING: 100 A AL RATING: 0.00% MUM KAIC: CB L 1 20 A Spare 1 20 A Spare	: 94.49% : 39770 VA : 110 A NEW WC NEW SERVED - - - - - - - - - - - - -	CKT 2 4 6 8 10 12 14 16 18 20 22	Power Equipment EXISTINC LOCATION SUPPLY FROM MOUNTING ENCLOSUR MANUFACTURER/MODE CKT LOAD SEN 1 LTS: COMP LAB 212 3 MECH TU-7-3 5 Spare 7 MECH TU-7-3 5 Spare 7 MECH TU-8-3,4 - 3# 9 11 MECH TU-7-1A 13 15 17 MECH TU-7-22 19 21 Spare 23 Spare 23 Spare 25 Spare 23 Spare 25 Spare 27 Spare 29 Spare 29 Spare 29 Spare	G PANEL: N: ELEC1 160-1 M: G: Surface E: Type 1 EL: RVED CB 20 20 A 20 20 A 20 20 A 20 A 20 A	2700 \ 1500 \ 2HA 2HA 2HA 2HA 2HA 1 1 1 1 1 1 1 1 1 1 1 1 1	/A /A /A /A /A /A /A /A VOLTS: PHASES: WIRES: SE RATED: LATED Isc: LATED Isc: 1 1 2465 33333 4000 33333 4000 29684 108 100 1. PROVIDE MECHANIC DLOAD /A	100.00 100.00 100.00 BR/ 480Y/277V 3P 3 4 NO 1220 2000 6500 6500 6500 6500 3333 4 00 3333 00 0 3333 00 0 0 1220 1220 2000 0 0 0 0 0 0 0 0 0 0 0 0	% % % ANCH: 1 B 11124 3333 3333 3333 3333 3333 3333 333	27(15) NORN NORN 10 10 10 10 10 10 10 10 10 10 10 10 10	00 VA 00 VA 7 7 7 7 7 7 7 7 7 7 7 7 7	MAINS REAKER F BUS F EUTRAL F MINIMU * P 1 1 1 1 1 3 3 3 1 1 1 1 	DEMA DEMA DEMA STYPE: RATING: RATING: RATING: CB 20 A 1 20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	ND AMPS: 28 A 100 A

1. ALL PANELS ARE EXISTING. SECOND FLOOR IS UNOCCUPIED AND PARTIALLY DEMOLISHED. VERIFY CIRCUITS ARE SPARE BEFORE MAKING CHANGES. DOCUMENT ANY BREAKERS THAT HAVE ACTIVE LOAD REMAINING AND ACTUAL LOAD VALUE. PROVIDE INFORMATION TO EOR TO VERIFY CAPACITY BEFORE MAKING ALTERATIONS TO PANELS.

LUMINAI	RE SCHEDULE								
				LIGHT	SOURCE		DRIVER		SYSTEM
MANUFACTURER & MODEL NUMBER	MOUNTING	SIZE	ТҮРЕ	YPE LUMENS		CRI	ТҮРЕ	VOLTAGE	WATTS
/DO-FH-SW-80CRI-1000LMF-40K-4FT-UNV-D1-1C-NA-XX-W PLANS, LENGTH CAN VARY	RECESSED	4" WIDE 47-3/4" LONG 3-3/4" DEEP	LED	4000	4000K	80	0-10V DIMMING TO 10%	120/277	34.4
W-20W-90DEG-80CRI-35K-LSDL-TLMP-SDL-XXXX-XXXX-NA	RECESSED	3 1/16" DIA. 4 1/8" H	LED	2135	3500K	80	0-10V DIMMING TO 10%	120/277	20
turers and products equivalent to those view process. All light fixtures must me	•					-	for approval th	rough th	e produc
110-XX-DRV-30W-DIM10	T-GRID REPLACEMENT	23.92" LONG 0.56" WIDE 0.48" HIGH	LED	1300	4000K	80	0-10V DIMMING TO 10%	120/277	10
NT-HLO-FH-CLO-LED-QUADRO-10WF-3WF-(2X48FT-2X28FT)-LEV-90-277-	CLIP TO PERIMETER OF GRID	4-3/16" HIGH 3-1/32" WIDE XX" LONG	LED	XX UP XX DOWN	3500K+RGB	80	DMX	120/277	1820
2-SHO-XX	SURFACE MOUNT TO COLUMN UNDER COLUMN WRAP	0.79" BTW MODULES	LED	NA	4000K+RGB	80	DMX	24V	90/SHEET
LO-SW-80CRI-750LMF-40K-XXFT-UNV-D1-1C-NA-D##-CF#-NA-NA-NA	WALL MOUNT AT SAME HEIGHT AFF WITH GYPSUM CEILING.	3 13/16" WIDE 5-1/2" H XX" LONG	LED	750LUM/FT	4000K	80	0-10V DIMMING TO 1%	120/277	6.5W/FT
-4-SW-20W-90DEG-80CRI-35K-LSDL-TLMP-SDL-XXXX-XXX-NA	PENDANT MOUNT AT 8'-0"AFF	3 1/16" DIA. 4 1/8" H	LED	1704	3500K	80	0-10V DIMMING TO 10%	120/277	20
-UNV-CC83-CD1-U 840-UNV-DIM-FSSWG4-FKR-126 LM-FST-MVOLT-40K-80CRI-WH-HC36M12-MGZ48	CHAIN HANG AT 8'-0" AFF	3" WIDE 3" HIGH 48" LONG	LED	2000-6000	3500-5000К	80	0-10V DIMMING TO 10%	120/277	17-51
SD XX	SURFACE MOUNT ON CEILING OR WALL MOUNT AT 96" AFF.	14" WIDE 8.1" HIGH 3" DEEP	LED	-	RED	N/A	ON/OFF	120/277	3
'G10	SURFACE MOUNT ON CEILING OR WALL MOUNT AT 96" AFF.	13" WIDE 7-1/2" HIGH 2-1/8" DEEP	LED	-	RED	N/A	ON/OFF	120/277	3

3) ALL INDUSTRIAL FIXTURES WHERE INSTALLED IN MECHANICAL SPACES SHALL BE COORDINATED WITH ALL TRADES TO AVOID CONFLICTS WITH MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT, PIPING, DUCTWORK, ETC.

8) LOCATE ALL REMOTE DRIVERS ABOVE ACCESSIBLE TILE CEILING. PROVIDE LABEL ON GRID BELOW DRIVERS INDICATING WHAT IS ABOVE GRID TILE

		_							
TEM FTS	NOTES	-			220	T	ΤL		- 114
.4	1			DIV	/ERSIFIED	ARCHITE	CTURAL C	ONSULTIN	G
0	1			615	Ch	arlotte,	Street, NC 282 25-6350	02	500
oduct	/shop				w.li	ttle	onlin	e.co	m
0				prope Cons	erty of Lit. rulting. T	tle Diversi he reprodu	ign shown fied Archi action, copy ut their wr	tectural ing or othe	
20		-		is pro			ringement s		
IEET		_			D	ew	be	rry	®
//FT					Dew	2610 Wyclit Suite 410			
0		_				919.881.99 NC License	27607-3073 39 No. F-0929 Project #:501		
51		_							
3	2								
3	2								
						5			
	WOF	RK							
ERVED		скт	-						
5 74 5 74 5 74		2 4 6							
LAB 75		8 10							
LAB 75 JTER		12 14 16							
		18 20 22	-						
		24 26 28							
		30 32 34							
		36 38 40							
		42							
							1117.		
					A COLOR	TH CA	RO	11 auto	
ALS /A %					21 MIC	SEA 38A86FD1B76 0380	11 FQ 109 		
Ά						0380 0380 0380 0380 0380 0380 0380 0380	11111111 2024		
\sim	WOF	<u>∽∽</u> RK	В	issue BI	^{for} D SET	-			
				issue 03	date .25.20	24			
				REVIS NO. 1		REASO	N	DAT 04/29/2	
ERVED		СКТ 2	Š Š	2	ADDE	NDUM 2		04/30/2	2024
3, #100	6 IN 3/4"C	4 6 8	5						
		10 12 14	Ş						
		16 18 20							
		22 24 26	K						
		28 30	S B						
			ß	ENGIN	CT TEAM IEER OF RE	ecord YOU	NTS		
BREA	KERS FOR			CHECI PE	KER TER A	NDER			
ALS VA			K	PROJE	ACY V ct name	AN AU		0-	
% VA			ľ B	SC	O ID#	22-254	- PHA 410-01		
	·····		₿	800) 17th	St NW NC 286			
				PROJE		<u>/7//</u>	ገ 1		
				SHEET	TITLE	474(LES A			
				1	GRAN				

E-601A

sity - Hickory -Phase II/50171053-MEP-ASU Hickory Phase IIA_R22.
Autodesk Docs://Appalachian State Univer-

	ne\2 Design\4 Drawings\Revit\	
•	JobName\;	
	W:\StudioFolder\Subfolder\####### J	

	E
	D
	С
	в
	۸

DocuSign Envelope ID: 7C9FAFD4-54BB-4F26-ADE3-AAEF525B7358

	HVAC CONTR	OLS SYN
SYMBOL		DESCRIPTIO
	ELECTRONIC C	ONTROLS
	DDC CONTROL PO	
	TRANSFORMER	D "Al" = AN
R	RELAY	"AO" = AN
VFD	VARIABLE FREQUENCY DRIVE	"DI" = DI("DO" = DI(
VFD		
STR	STARTER	
 CT	CURRENT TRANSE	
	PUMP	
	FAN	
	AIR SIDE CON	ITROLS
Т	HARDWIRE THERM	IOSTAT
(T)	SPACE TEMPERAT	URE SENSOF
(H)	SPACE HUMIDITY S	SENSOR
 T	DUCT MOUNTED T	EMPERATUR
Η	DUCT MOUNTED H	UMIDITY SEN
<u>T/H</u>	DUCT MOUNTED T	EMPERATUR
DE	DUCT MOUNTED D	EW-POINT SI
T Ş	DUCT MOUNTED A	VERAGING T
 FZ	DUCT MOUNTED F	REEZESTAT
	DIFFERENTIAL PRE	ESSURE SEN
 PS⊸	DIFFERENTIAL PRE	ESSURE SWI
	AIR FLOW MEASUF	RING STATIO
	END SWITCH OR C	
	DUCT MOUNTED S	
Ц Ф	OCCUPANCY SENS	SOR
 €	OVERRIDE SWITCH	
	EMERGENCY POW	ER OFF SWIT
	MANUAL MOTOR S	
	HORSEPOWER (SE	
BAS TYPE	NETWORK POINT A BAS (BACnet, MODI	BUS, LON, ET
		NTROLS
<u></u>		N.O. =
FM	3-WAY CONTROL V	
	FLOW METER, IND	
UNIT/TIME	BTU METER, INDIC	
 P	PIPE TEMPERATUR	
 FS	PIPE PRESSURE S	
 	PIPE DIFFERENTIA	

FAN SCHEDULE

						EC			BRAKE	NOMINAL	MAX.			STARTER/	
				AIR FLOW	ESP	MOTOR	DRIVE	SPEED	MOTOR	MOTOR	SOUND	DAMPER	VOLTAGE/	DSCNNCT	
MARK	SERVICE	TYPE	MANUFACTURER / MODEL	(CFM)	(IN WG)	(Y or N)	TYPE	(RPM)	(HP)	(HP)	(SONES)	TYPE	PHASE	MEANS	NOTES
EF-1	PREP 2224A	DOWNBLAST DOME	GREENHECK / G-080-D	175	0.50	YES	DIRECT	1496	0.05	0.10	7.3	MOTOR-OPERATED	120/1	MRS	1,2,3
EF-2	JANITOR	DOWNBLAST DOME	GREENHECK / G-097-B	100	0.50	YES	DIRECT	1044	0.05	0.10	3.9	MOTOR-OPERATED	120/1	MRS	1,2,3

NOTES: 1. REFER TO SECTION 233400 FOR ADDITIONAL REQUIREMENTS.

2. PROVIDE STARTING AND DISCONNECTING MEANS AS SCHEDULED. (MRS = MOTOR RATED SWITCH; MS/D = COMBINATION MOTOR-STARTER AND DISCONNECT; VFD = VARIABLE FREQUENCY DRIVE; AND DISC = DISCONNECT) 3. PROVIDE FACTORY-FABRICATED ROOF CURB. COORDINATE EXACT LOCATION OF ROOF OPENINGS AND STRUCTURAL SUPPORT.

AIR DISTRIBUTION SCHEDULE

							MAX.	FACE	NECK		MAX.	
							AIR FLOW	SIZE	SIZE	APD	SOUND	
MARK	SERVICE	TYPE	MANUFACTURER / SERIES	MATERIAL	COLOR	PATTERN	(CFM)	(IN × IN)	(IN x IN)	(IN WG)	(NC)	NOTES
S1	SUPPLY	SQUARE LOUVER FACE	TITUS TMSA	STEEL	WHITE	360-DEG.	100	24 x 24	6	0.08	25	1,2,3,4,5
							200		8	0.08		1,2,3,4,5
							325		10	0.10		1,2,3,4,5
							500		12	0.10		1,2,3,4,5
							675		14	0.10		1,2,3,4,5
S2	SUPPLY	ROUND LOUVERED FACE	TITUS TMRA	ALUMINUM	WHITE	360-DEG.	100	18	6	0.08	20	1,2,3,4,5
							200	24	8	0.08		1,2,3,4,5
							300	29	10	0.08		1,2,3,4,5
							425	35	12	0.08		1,2,3,4,5
							575	41	14	0.08		1,2,3,4,5
R1 / E1	RETURN/EXHAUST	SQUARE PERFORATED FACE	TITUS PAR	STEEL	WHITE	N/A	200	24 x 24	8	0.10	25	1,2,3,4,5
							325	24 x 24	10	0.10		1,2,3,4,5
							450	24 x 24	12	0.10		1,2,3,4,5
							600	24 x 24	14	0.10		1,2,3,4,5
							800	24 x 12	22 x 10	0.10		1,2,3,4,5
							1,300	24 x 24	22 x 22	0.10		1,2,3,4,5
R2 / E2	RETURN/EXHAUST	STANDARD BLADE GRILLE	TITUS 350RL	STEEL	WHITE	N/A	200	12 x 8	10 x 6	0.10	25	1,2,3,4,5
							350	16 x 8	14 x 6	0.10		1,2,3,4,5
							500	18 x 10	16 x 8	0.10		1,2,3,4,5

1. REFER TO SECTION 233713 FOR ADDITIONAL REQUIREMENTS. 2. SOUND LEVELS SHALL BE BASED ON ASHRAE 70.

1

S SYMBOLS

CRIPTION

ROLS DESIGNATIONS I" = ANALOG INPUT

AO" = ANALOG OUTPUT DI" = DIGITAL INPUT 'DO" = DIGITAL OUTPUT

SENSOR

SOR

ERATURE SENSOR

DITY SENSOR

ERATURE / HUMIDITY SENSOR

POINT SENSOR

AGING TEMPERATURE SENSOR

ZESTAT JRE SENSOR

JRE SWITCH

STATION / PROBE

ENSATE FLOAT SWITCH

E DETECTOR

OFF SWITCH (E-STOP)

TER, FRACTIONAL

ARTER SCHEDULE FOR SIZE, ETC.) ONNECTION FOR SHUTDOWN

COMMUNICATION TYPE FOR <u>, LON, ETC.)</u>

OLS N.C. = NORMALLY CLOSED

N.O. = NORMALLY OPEN

RESSURE SENSOR

	TERMINAL UNIT SCH	EDULE					
							N
							D
2							s
	ROOM	PHASE	MARK	SOURCE	TYPE	MANUFACTURER / MODEL	(
لمر	$\cdots \cdots $	\sim	\sim		$\cdots \cdots $	$\cdots \cdots $	\sim
<pre>{</pre>	CYBER LAB - 2221	2A	TU-7-1A	AHU-7	PARALLEL FAN-POWERED	TITUS / DTQP	
{	CYBER LAB - 2221	2A	TU-7-1B	AHU-7	PARALLEL FAN-POWERED	TITUS / DTQP	
٦	SEMINAR-2202A	m2An			PARALLEL FAN-POWERED	MAND BAR	
	CORRIDOR - 226	2A	TU-7-3	AHU-7	SINGLE-DUCT	TITUS / DESV	
	TOILET ROOMS - 2233 & 2243	2A	TU-7-4	AHU-7	SINGLE-DUCT	TITUS / DESV	

AHU-8

SINGLE-DUCT

TITUS / DESV

NOTES: 1. REFER TO SECTION 233600 FOR ADDITIONAL REQUIREMENTS. 2. SOUND LEVELS SHALL BE BASED ON ASHRAE 130, AHRI 880 AND AHRI 885. 3. SUPPLY AIR BRANCH DUCTS FROM MAIN TO TERMINAL UNIT INLETS AND DISCHARGE DUCT SIZES SHALL MATCH UNIT CONNECTION SIZES UNLESS OTHERWISE NOTED. 4. COORDINATE CONTROL POWER TRANSFORMER INPUT VOLTAGE WITH THE LINE VOLTAGE PROVISIONS. 5. PROVIDE SINGLE POINT CONNECTION AND FUSED DISCONNECT SWITCH FOR EACH TERMINAL UNIT WITH AN ELECTRIC REHEAT COIL. 6. PROVIDE SCR CONTROLLER FOR ELECTRIC HEATING COILS. COIL CAPACITIES SHALL BE NO LESS THAN MINIMUM AND NO MORE THAN THE ELECTRICAL DESIGN BASIS SCHEDULED.

TU-8-4

2A

7. COORDINATE UNBALANCED ELECTRICAL CONNECTION ACROSS PHASES WITH E.C. SO THAT EACH PHASE ON EACH PANEL IS DISTRIBUTED EQUALLY. 8. FOR UNITS WITH ELECTRIC REHEAT, CONTRACTOR SHALL ADJUST HEATING MINIMUM AIR FLOWS AS REQUIRED TO ENSURE PROPER OPERATION OF ELECTRIC HEAT. 9. SOUND LEVELS FOR SINGLE-DUCT UNITS ARE BASED ON 0.5-INCHES WG ACROSS UNIT INLET AND OUTLET.

10. SOUND LEVELS FOR PARALLEL FAN-POWERED UNITS ARE BASED ON FAN ONLY OPERATION.

DUCTLESS MINI-SPLIT UNIT SCHEDULE

ENTRY LOBBY - 2213

													-											
MARK	MARK					SUPPLY	COOLING			MAX. SOUND			ELECTRICAL - INDOOR UNIT			ELECTRICA	AL - OUTDO	OR UNIT	MAX. EQUIV. PIPE LENGTHS DIMENSIONS AND WEIGHT - OUTDC					
(INDOOR	(OUTDOOR	SERVICE	TYPE	MANUFACTURER / MODEL	REFRIG.	AIR FLOW	TOT. CAP.	SENS. CAP.	SEER/EER	AMB.	INDOOR	OUTDOOR	MCA	FLA	VOLTAGE/	MCA	MOCP	VOLTAGE/	HEIGHT	LENGTH	FOOTPRINT	HEIGHT	WEIGHT	NO.
UNIT)	UNIT)			INDOOR & OUTDOOR	TYPE	(CFM)	(MBH)	(MBH)	(BTUH/W)	(F)	(dBA)	(dBA)	(A)	(A)	PHASE	(A)	(A)	PHASE	(FT)	(FT)	(IN x IN)	(IN)	(LBS)	
DMSS-1	CU-1	SERVER ROOM	WALL MTD / COOLING ONLY	MITSUBISHI / MSY-GS24NA & MUY-GS24NA	R410A	424	22,400	16,800	20.5 / 12.6	95	47	53	1.0	0.50	208/1	18.0	20	208/1	50	100	34 X 13	35	118	1,2,3,4,5,6,
DMSS-2	CU-2	SERVER ROOM	WALL MTD / COOLING ONLY	MITSUBISHI / MSY-GS24NA & MUY-GS24NA	R410A	424	22,400	16,800	20.5 / 12.6	95	47	53	1.0	0.50	208/1	18.0	20	208/1	50	100	34 X 13	35	118	1,2,3,4,5,6,
DMSS-3	CU-3	CYBER LAB	CLG CASSETTE / COOLING ONLY	MITSUBISHI / SLZ-KF18NA & SUZ-KA18NAHZ	R410A	475	16,800	12,096	19 / 12.5	95	43	55	0.54	0.43	208/1	17.0	31	208/1	50	100	34 X 13	35	131	1,2,3,4,5,6,
DMSS-4	CU-3	CYBER LAB	CLG CASSETTE / COOLING ONLY	MITSUBISHI / SLZ-KF18NA & SUZ-KA18NAHZ	R410A	475	16,800	12,096	19 / 12.5	95	43	55	0.54	0.43	208/1	17.0	31	208/1	50	100	34 X 13	35	131	1,2,3,4,5,6,
DMSS-5	CU-4	CYBER LAB	CLG CASSETTE / COOLING ONLY	MITSUBISHI / SLZ-KF18NA & SUZ-KA18NAHZ	R410A	475	16,800	12,096	19 / 12.5	95	43	55	0.54	0.43	208/1	17.0	31	208/1	50	100	34 X 13	35	131	1,2,3,4,5,6,
DMSS-6	CU-4	CYBER LAB	CLG CASSETTE / COOLING ONLY	MITSUBISHI / SLZ-KF18NA & SUZ-KA18NAHZ	R410A	475	16,800	12,096	19 / 12.5	95	43	55	0.54	0.43	208/1	17.0	31	208/1	50	100	34 X 13	35	131	1,2,3,4,5,6,

8

800

240

N/A

240

NOTES: 1. REFER TO SECTION 238116 FOR ADDITIONAL REQUIREMENTS.

2. SOUND PERFORMANCE IS BASED ON SOUND PRESSURE LEVELS MEASURED AT 3 FEET FROM UNIT AT FULL CAPACITY IN ACCORDANCE WITH AHRI 270 AND 350. 3. ALL UNITS SHALL MEET OR EXCEED SEASONAL ENERGY EFFICIENCY RATIO (SEER) FOR NOMINAL COOLING SIZES LESS THAN 65.000 BTUH AND ENERGY EFFICIENCY RATIO (EER) FOR SIZES GREATER THAN OR EQUAL TO 65.000 BTUH. 4. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.

5. PROVIDE SINGLE-POINT POWER CONNECTION. PROVIDE FUSED-DISCONNECT SWITCH FOR OUTDOOR UNIT. PROVIDE MOTOR-RATED DISCONNECT SWITCH FOR INDOOR UNIT. 6. PROVIDE POWER CONNECTS AT EACH INDOOR AND OUTDOOR UNIT WHERE MULTIPLE INDOOR UNITS ARE FED BY A SINGLE CONDENSING UNIT.

7. PROVIDE LOW AMBIENT TEMPERATURE OPTION.

8. PROVIDE WIRED THERMOSTAT / TEMPERATURE SENSOR AS INDICATED. WIRELESS REMOTE CONTROLS ARE NOT ACCEPTABLE.

9. PROVIDE OPTIONAL CONDENSATE DRAIN PUMP WITH 3-FT LIFT AND INTEGRAL POWER CONNECTION. 10. ALTERNATE 3: REFER TO SECTION 012300 FOR MORE INFORMATION. ALTERNATE INCLUDES INDOOR/OUTDOOR UNITS, REFRIGERANT PIPING, CONDENSATE PIPING AND ELECTRICAL POWER.

3. VERIFY MOUNTING FRAME STYLE WITH ARCHITECTURAL REFLECTED CEILING PLANS, FINISH SCHEDULES AND EXISTING CEILINGS.

4. DUCT BRANCH FROM MAIN TAKEOFF TO AIR INLET / OUTLET SHALL MATCH SCHEDULED NECK SIZE UNLESS OTHERWISE NOTED.

5. PROVIDE INTEGRAL DAMPERS ADJUSTABLE AT THE DEVICE FACE ONLY AT LOCATIONS NOTED ON PLANS.

TERMINAL UNIT SCH	EDULE																						
					MAX.	MAX.	PRIMARY AIR VALVE				FAN			HEATING COIL									
						DISC. RADIATED INLET MAX. CLG. MIN. CLG. HEATING MOTOR AIR				AIR	ELECTRIC												
						SOUND	SOUND	SIZE	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	ESP	SIZE	VOLTAGE/	COIL FLOW	EAT	LAT MA	X. APD	MIN. CAP.	DESIGN	VOLTAGE/	1
ROOM	PHASE	MARK	SOURCE	TYPE	MANUFACTURER / MODEL	(NC)	(NC)	(INCHES)	(CFM)	(CFM)	(CFM)	(CFM)	(IN WG)	(HP)	PHASE	(CFM)	(F)	(F) (I	NWG)	(KW)	(KW)	PHASE	NOTES
\cdots		\sim		$\rightarrow \rightarrow $	$\cdots \cdots $						\sim	\rightarrow	\sim			\sim			\sim	\sim		\rightarrow	$\overline{\mathbf{h}}$
CYBER LAB - 2221	2A	TU-7-1A	AHU-7	PARALLEL FAN-POWERED	TITUS / DTQP	27	40	12	1,500	450	450	1,050	1.5	1.0	480/3	1,500	66	85	0.50	9.3	10.0	480/3	1,2,3,4,5,6,7,8,10
CYBER LAB - 2221	2A	TU-7-1B	AHU-7	PARALLEL FAN-POWERED	TITUS / DTQP	27	40	12	1,500	450	450	1,050	1.5	1.0	480/3	1,500	66	85	0.50	9.3	10.0	480/3	1,2,3,4,5,6,7,8,10
MAR-2202A	man 1			PARALLEL FAN-POWERED	MANDON DATE	128	μ_{40}	μ	1,000		-00e	Light have	L the	man	man m	-1,00		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	0.50		<u>~</u>	t 27m	1,2,3,4,5,6,7,8,10
CORRIDOR - 226	2A	TU-7-3	AHU-7	SINGLE-DUCT	TITUS / DESV	35	33	6	450	135	135	N/A	N/A	N/A	N/A	135	55	95	0.50	1.7	2.0	277/1	1,2,3,4,5,6,7,8,9
TOILET ROOMS - 2233 & 2243	2A	TU-7-4	AHU-7	SINGLE-DUCT	TITUS / DESV	31	24	8	600	180	180	N/A	N/A	N/A	N/A	180	55	95	0.50	2.3	2.5	277/1	1,2,3,4,5,6,7,8,9
			ᢇᠰᡛ᠋ᡰ᠊ᠯᢇ			29			359~	105~	405					405	-55-	-95	859		\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1,2,3,4,5,6,7,8,9
COMPUTER LAB - 2126	2A	TU-7-22	AHU-7	PARALLEL FAN-POWERED	TITUS / DTQP	29	42	12	1,800	540	540	1,260	1.5	1.0	480/3	1,800	66	85	0.50	11.2	12.0	480/3	3 1,2,3,4,5,6,7,8,10
min	h	m	m	m	m		hun	μ	μ	m	h	μ	-	m	h	h		~~	$\cdot \cdot \cdot \downarrow$			μ	
$\sim\sim\sim\sim\sim$			~~~~		mmm								~~~~							\sim	~~~~		
GENERAL LAB1 - 2224	2A	TU-8-2	AHU-8	PARALLEL FAN-POWERED	TITUS / DTQP	28	41	12	1,600	480	480	1,120	1.5	1.0	480/3	1,600	66	85	0.50	9.9	10.0	480/3	1,2,3,4,5,6,7,8,10

N/A

N/A

N/A

240

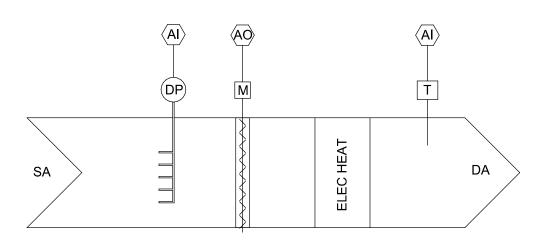
95

0.50

3.1

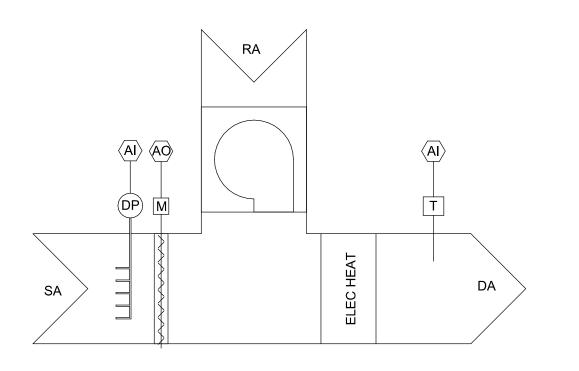
28

32

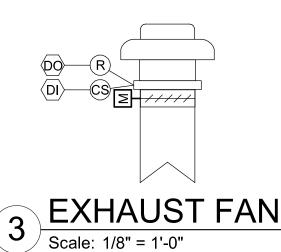


6

SINGLE DUCT AIR TEMINAL UNIT Scale: N.T.S.



2 FAN-POWERED AIR TERMINAL UNIT Scale: N.T.S.



<u>PREP. ROOM/STOR. ROOM EXHAUST FAN:</u> EXHAUST FAN SHALL BE HARDWIRED TO RUN CONTINUOUSLY ON AN OCCUPIED SCHEDULE. DAMPER SHALL BE INTERLOCKED TO THE START/STOP OF THE EXHAUST FAN. BAS SHALL MONITOR STATUS. ALARM ON FAN FAILURE.

OPERATIONAL MODES: SWITCH TO OPERATIONAL MODE BASED ON ASSOCIATED AHU STATUS. WHEN AHU IS OFF, OPEN PRIMARY AIR VALVE AND DE-ENERGIZE HEATING COIL. T AI SPACE TEMP PRIMARY AIR DAMPER CONTROL:

TERMINAL UNIT CONTROL

COMMANDS.

ZONE COOLING MODE: MODULATE PRIMARY AIR DAMPER BETWEEN MINIMUM AND MAXIMUM COOLING AIR FLOW SET POINTS AS MEASURED BY THE FLOW RING TO MAINTAIN ZONE TEMPERATURE COOLING SET POINT.

1,2,3,4,5,6,7,8,9

277/1

3.5

ZONE HEATING MODE: MODULATE PRIMARY AIR DAMPER TO MAINTAIN HEATING AIR FLOW SET POINT AS MEASURED BY THE FLOW RING.

ELECTRIC RESISTANCE COIL CONTROL

ZONE COOLING MODE: HEATING COIL SHALL BE DE-ENERGIZED.

ZONE HEATING MODE: UPON PROOF OF AIR FLOW, HEATING COIL CONTROLLER SHALL ENERGIZE TO MAINTAIN ZONE TEMPERATURE HEATING SET POINT.

PARALLEL FAN-POWERED VAV BOX CONTROL

SINGLE DUCT VAV BOX WITH REHEAT CONTROL

OPERATIONAL MODES: SWITCH TO OCCUPIED MODE BASED ON ASSOCIATED AHU STATUS.

WHEN ASSOCIATED AHU IS OFF, OPEN TERMINAL UNITS PRIMARY AIR VALVE, DE-ENERGIZE HEATING COIL, AND STOP FAN. CYCLE THE TERMINAL UNIT FAN ON / OFF AND MODULATE OR

POINT.

ENERGIZE HEATING COIL TO MAINTAIN UNOCCUPIED ZONE TEMPERATURE HEATING SET

PRIMARY AIR DAMPER CONTROL: ZONE COOLING MODE: MODULATE PRIMARY AIR DAMPER BETWEEN MINIMUM AND

MAXIMUM COOLING AIR FLOW SET POINTS AS MEASURED BY THE FLOW RING TO MAINTAIN ZONE TEMPERATURE COOLING SET POINT.

ZONE HEATING MODE: MODULATE PRIMARY AIR DAMPER TO MAINTAIN HEATING AIR FLOW SET POINT AS MEASURED BY THE FLOW RING.

T ______ AI SPACE TEMP VAV BOX FAN CONTROL: ZONE COOLING MODE: STOP FAN.

ZONE HEATING MODE: START FAN.

ELECTRIC RESISTANCE COIL CONTROL

ZONE COOLING MODE: HEATING COIL SHALL BE DE-ENERGIZED.

<u>ZONE HEATING MODE</u>: UPON PROOF OF AIR FLOW, HEATING COIL CONTROLLER SHALL ENERGIZE TO MAINTAIN ZONE TEMPERATURE HEATING SET POINT.

<u>GENERAL ALARMS CONTROL</u>: ALARM BAS OF THE FOLLOWING CONDITIONS: FAN FAILURES (FAN-POWERED UNITS ONLY) FAILURES TO MEET SET POINT TEMPERATURES WITHIN 15 MINUTES

GRAPHICAL DISPLAY: MINIMUM REQUIREMENTS INCLUDE:

COMPLETE SYSTEM GRAPHIC INCLUDING ALL CONTROL COMPONENTS BUILDING PLAN GRAPHIC WITH TERMINAL UNIT LOCATIONS AND AREAS SERVED OPERATIONAL MODE STATUS, INCLUDING TIME OF DAY FAN STATUS (FAN-POWERED UNITS ONLY)

PRIMARY AIR DAMPER POSITION AIR FLOW SET POINTS

AIR FLOW RATES MEASURED

ZONE TEMPERATURE SET POINTS ZONE TEMPERATURE SENSOR VALUES, DISCHARGE AND ZONE

ELECTRIC HEATING COIL STATUS ZONE UNOCCUPIED MODE INITIATIONS AND DURATIONS (TIME AND VALUE) ALL ALARMS

