

PROJECT NO. 21-174017 100% CONSTRUCTION DOCUMENTS - DECEMBER 1, 2023

PROJECT DESCRIPTION

THE SCOPE OF WORK INCLUDES UPPRAGNICH THE ELECTRICAL DISTRIBUTION MINISTRUCTION THE MAIN SERVICE PERMACEN STREBUTIONS WITHOUGH AND THE PANELS THROUGHOUT THE BULLDON, THERE ARE PANELS WHICH HALL BE PANELS WHICH HALL BE PANELS WHICH HALL BE PANELS WITHOUT THE BULLDON THE BULLDON STREAM A REVER PANELS WHICH HALL BE PANELS WITHOUT THE BULLDON STREAM A REVER PANELS WHICH THE PANELS WITHOUT THE BULLDON STREAM, A REVER PANELS WITHOUT THE BULLDON STREAM A REVER PANELS WITHOUT THE BULLDON STREAM AND BULLDON STR

BUILDING CODE REFERENCES

INTERNATIONAL BIRDING CODE (2021 EDITION)
INTERNATIONAL FIRE CODE (2021 EDITION)
INTERNATIONAL MECHANICAL CODE (2021 EDITION)
INC NATIONAL ELECTRIC CODE (2020 EDITION)
INTERNATIONAL ELECTRIC CODE (2020 EDITION)
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PROJECT TEAM

UNIVERSITY OF COLORADO - DENVER FACALITES PROJECT DISSON

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.ECTRICAL.

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DRAWING INDEX



CU DENVER BUILDING - VICINITY MAP





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CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #: 210002
Scale: 58F = 10/F
Drawn By: JR
Designed By: ASSOR
Checked By: ACRUE



NOTE:

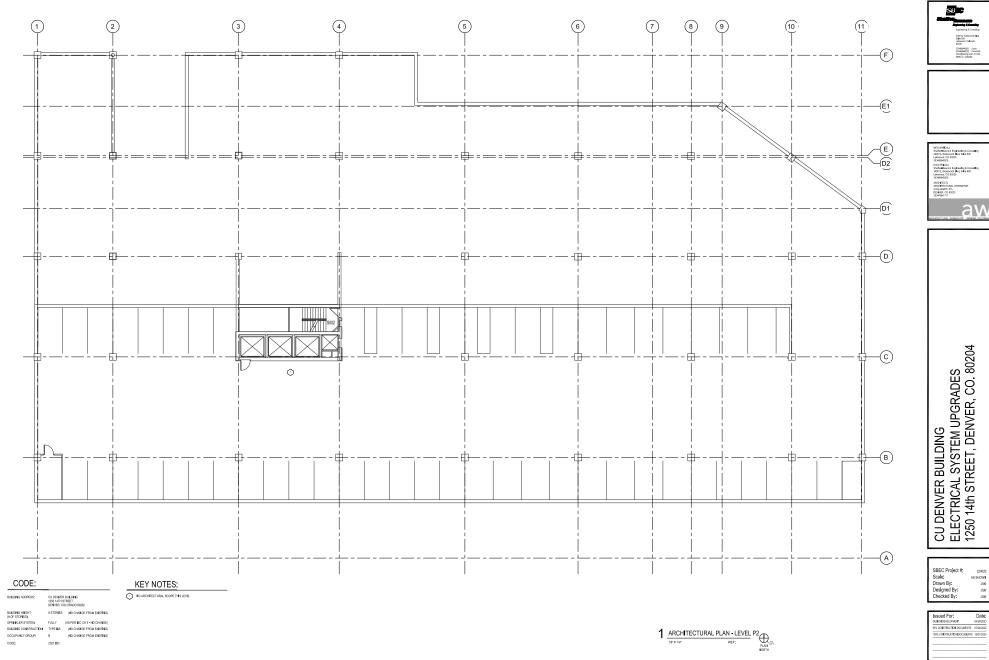
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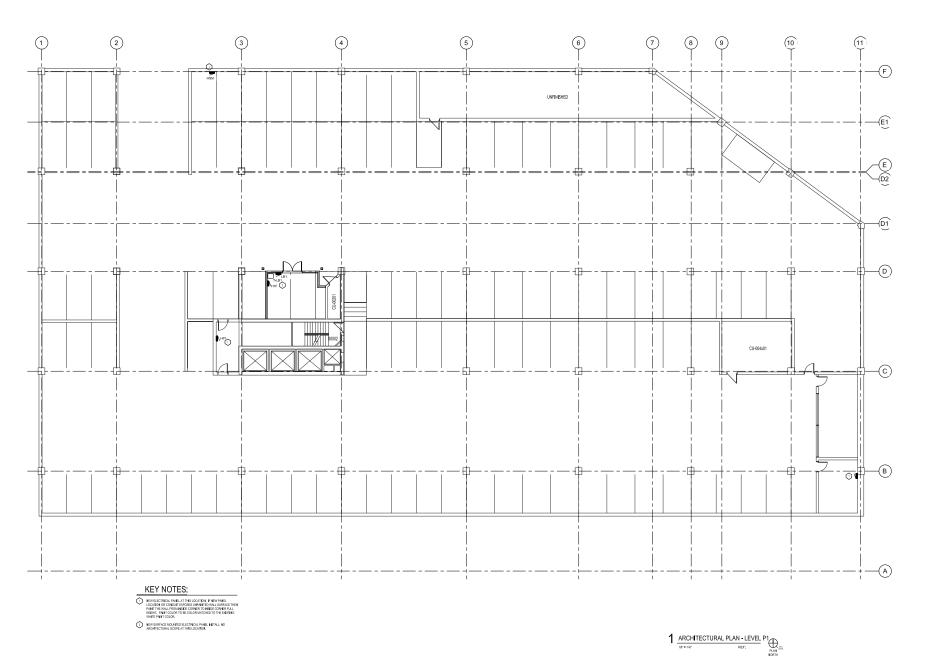
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OVERALL ARCHITECTURAL PLAN - LEVEL P2 AND BLDG, CODE A2.00



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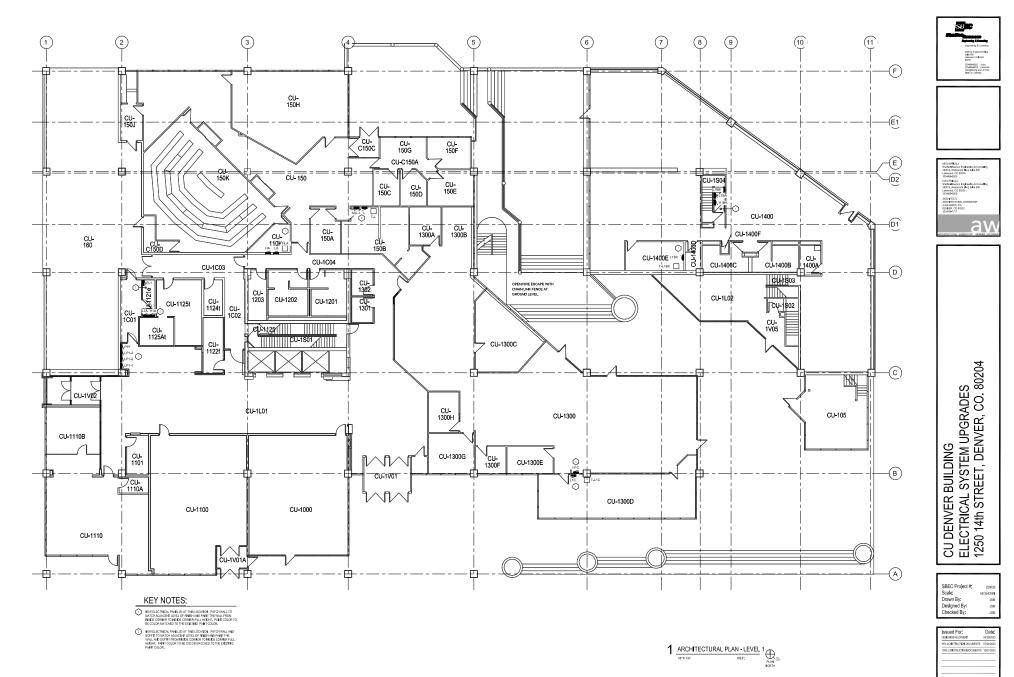
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OVERALL ARCHITECTURAL PLAN - LEVEL P1



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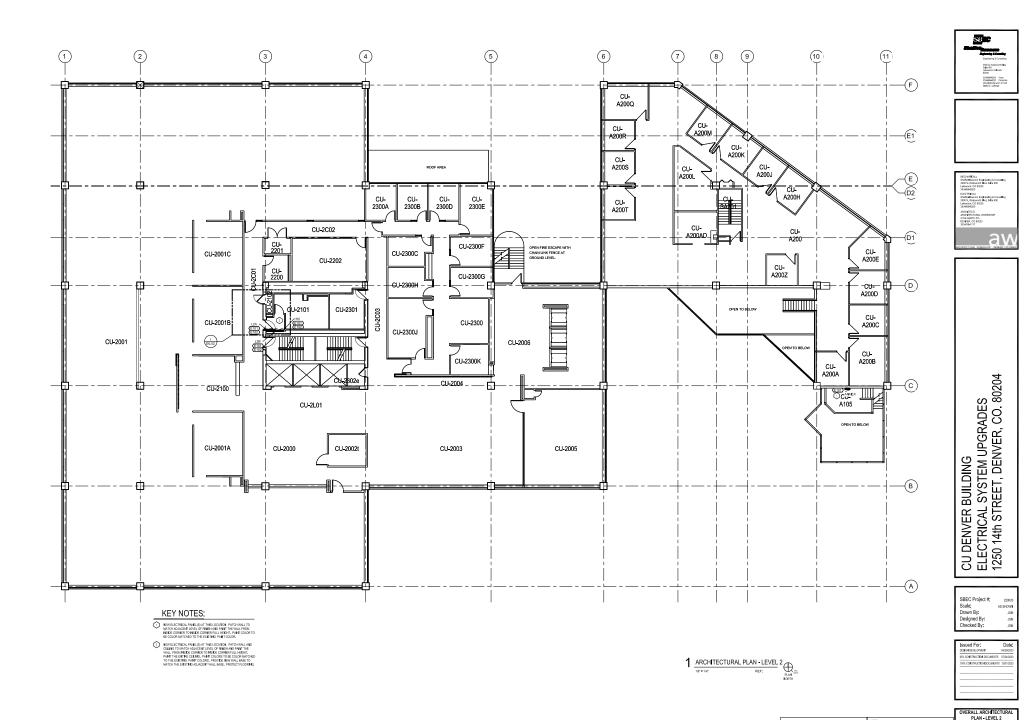
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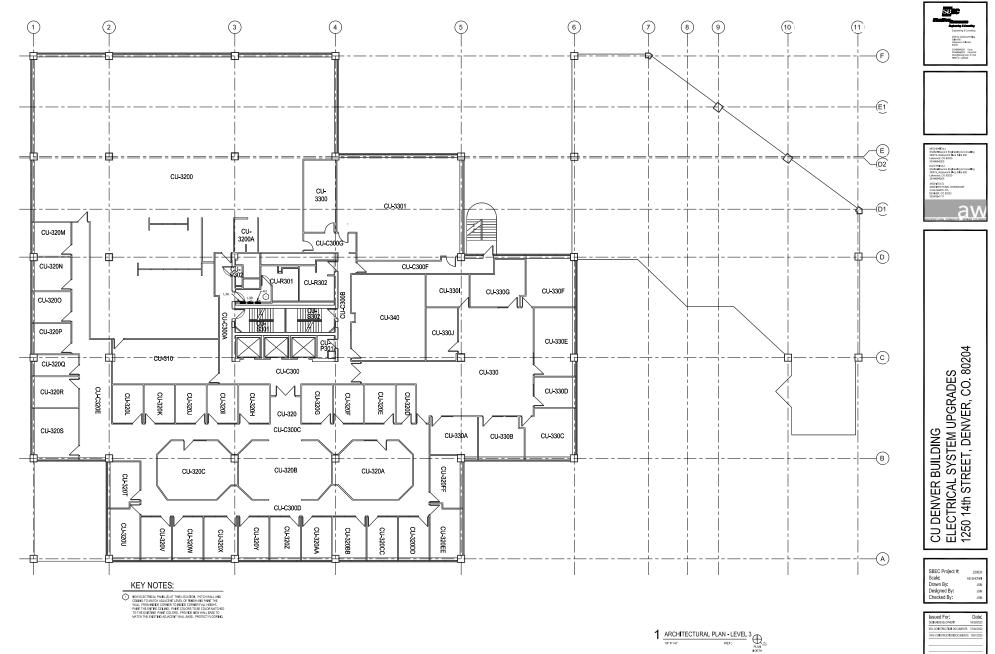
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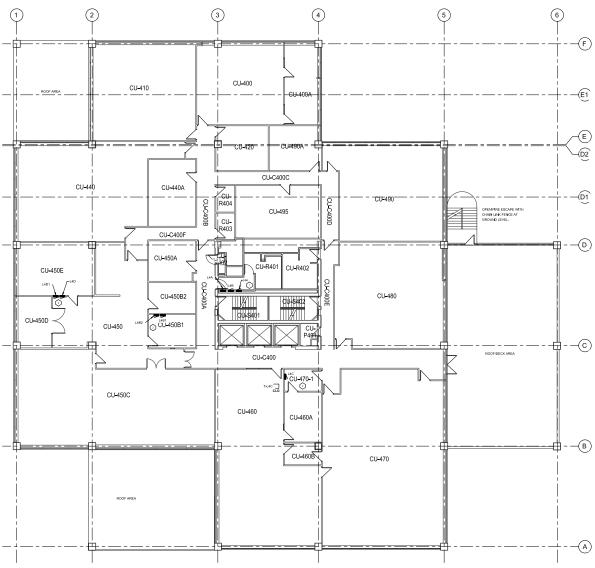


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PLAN - LEVEL 3 A2.30

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CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #: 020020 MINOHR RA MRU, MRU, MRU, SBEC Project # Scale: Drawn By: Designed By: Checked By:

Issued For: DESIGNOEVELOPMENT	Date:
95% CONSTRUCTION DOCUMENTS	07/24/2023
100% CONSTRUCTION DOCUMENTS	12/01/2023

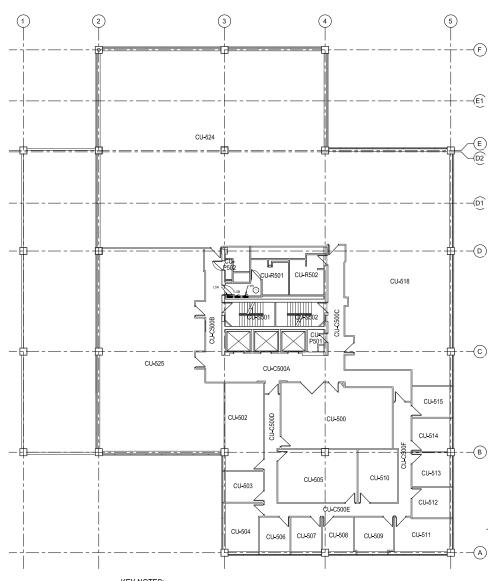
PLAN - LEVEL 4

EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT. NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

ARCHITECTURAL PLAN - LEVEL 4

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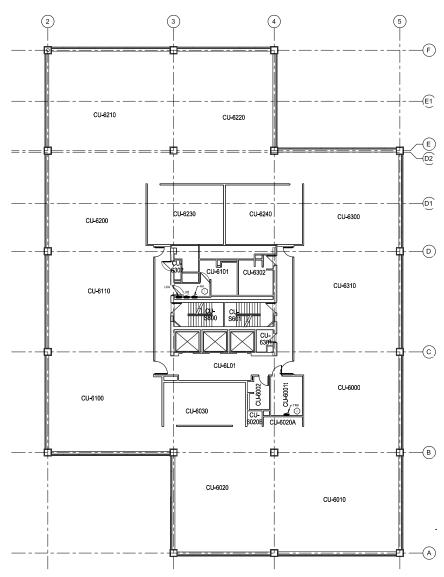
OVERALL ARCHITECTURAL PLAN - LEVEL 5

EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT. NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

ARCHITECTURAL PLAN - LEVEL 5 PLAN (SIGN) SEF: SPAN (SIGN)

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CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #: Scale; Drawn By: Designed By: Checked By: 020020 MINOHR RA MRU, MRU, MRU,

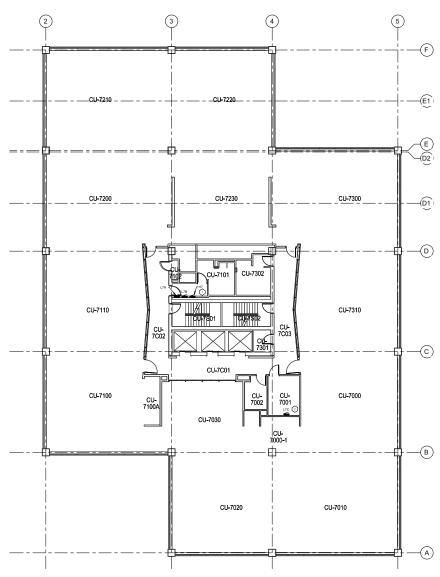
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ARCHITECTURAL PLAN - LEVEL 6 REF: SPAN SIGNED

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PLAN - LEVEL 6 A2.60



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CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

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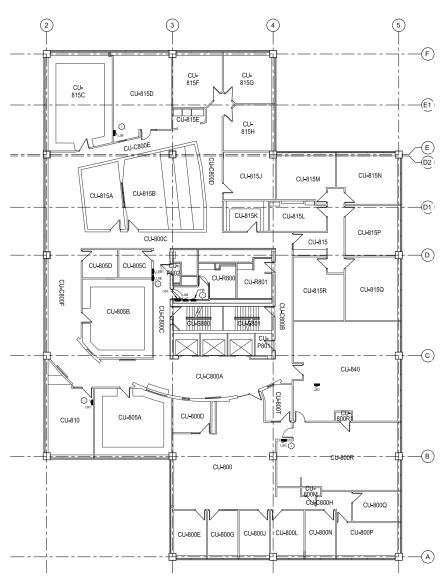
OVERALL ARCHITECTURAL PLAN - LEVEL 7

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ARCHITECTURAL PLAN - LEVEL 7 PLAN SEF: 7 PLAN SECTION SECTION

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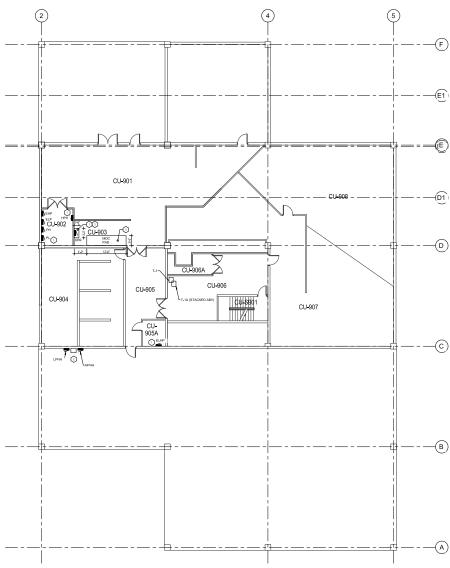
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PLAN - LEVEL 8 A2.80

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CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204





OVERALL ARCHITECTURAL PLAN - LEVEL 9

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ARCHITECTURAL PLAN - LEVEL 9

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		1		(Not all symbols listed be		
SYMBOL	DESCRIPTION	SY		DESCRIPTION	SYMBOL	
	FIRE AL	.AR	M			
FACP	FIRE ALARM CONTROL PANEL	(٠.	SMOKE DETECTOR (* INDICATES DEVICE)		SURFACE LUMINAIRE
FAA	FIRE ALARM ANNUNCIATOR PANEL		ВT	PHOTOELECTRIC ION/ZATION		RECESSED LUMNAIRE
EVAC	VOICE EVACUATION CONTROL UNIT		BR	BEAM TRANSMITTER BEAM RECEIVER	OR T	EMERGENCY OPERATIO
MC	REMOTE VOICE EVACUATION MICROPHONE		UF AS	BELOW RAISED ACCESS FLOOR	9 OR V	CRITICAL OPERATION
GAP	GRAPHIC ANNUNCIATOR PANEL		SS	SNGLE STATION	1 101	STRIPLUMNAIRE
ECCU	EMERGENCY COMMUNICATIONS CONTROL UNIT	:0	<u>)</u>	DUCT SMOKE DETECTOR (* INDICATES DEVICE)	1 10	SURFACE CEILING MOU
FSCP	FIRE SUPPRESSION CONTROL PANEL		R	SUPPLY RETURN		RECESSED CELLING MO
ARCM	AREA OF REFUGE EWERGENCY COMMUNICATION SYSTEMMASTER UNIT		P	PHOTOELECTRIC KONZATION	ю	WALL MOUNTED LUMIN
ARCR	AREA OF REFUGE ENERGENCY COMMUNICATION SYSTEMREMOTE UNIT	0	D .	HEAT DETECTOR/SENSOR (* INDICATES DEVICE)		COVE LIGHT/UNDERCOL
ESR	ELEVATOR STATUSIRECALL		F R	FIXED TEMPERATURE RATE OF RISE		RECESSED WALL LUMN
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	0	<u>ن</u> (ا	FLAME DETECTOR (* INDICATES DEVICE)] —	NECESSED WALL COMM
HVAC	CONTROL PANEL FOR VENTILATION, PRESSURIZATION		F	ULTRAWOLET INFRARED	- 1	
18	KNQX BOX	- 6	<u> </u>	FLAME DETECTOR (* INDICATES DEVICE)	0-	SINGLE RECEPTACLE
E	MANUAL PULL STATION	H	ii) ਜk1	SMOKEHEAT DETECTORISENSOR COMBINATION AUDIBLE NOT FIGATION HORN	⊕	DUPLEX RECEPTAGLE
(AIV)	ADDRESSABLE INPUT MODULE	H	H	AUDIBLE NOTIFICATION SPEAKER	060	ISOLATED GROUND
(AOM)	ADDRESSABLE OUTPUT MODULE	H	2 4	COMBINATION AUDIBLE/VISIBLE NOTIFICATION HORNSTROBE	●	DUPLEX RECEPTACLE, GI WEATHER PROOF (WEAT
WF	SPRINKLER FLOW SWITCH		⊠•	COMBINATION NOTIFICATION SPEAKER/STROBE	•	DUPLEX RECEPTAÇUE, ES
VS.	VALVE SUPERVISORY SWITCH PRESSURE SWITCH	Ø	颅	VISIBLE FIRE ALARM STROBE (CELLING & WALL MOUNT)	•	DUPLEX RECEPTACLE, HA
PS		cd	cd	od - CANDELA RATING (IF SHOWN)	(D)	DOUBLE DUPLEX RECEPT
DH	DOOR HOLDER, MAGNETIC	Ø	巡	REWOTE INDICATOR LIGHT (CELLING & WALL MOUNT)	⊕ (⊕)	DUPLEX RECEPTACLE, CE
DOL	DOOR CLOSER	¥	×	of - CANDELA RATING (IF SHOWN) VISIBLE MASS NOTIFICATION STROBE (CELLING & WALL MOUNT)	- (♣)	DOUBLE DUPLEX RECEPT (ESSENTIAL POWER)
⊠ _{RTS}	DUCT SMOKE DETECTOR REMOTE INDICATOR LIGHT AND REMOTE TEST STATION	Ri	Rf	od - CANDELA RATING (IF SHOWN)		DUPLEX RECEPTACLE, FL
	AIR SAMPLING DETECTOR PIPING AND PORT	Г	ъ	FIRE ALARW BELL	∰ (∰)	DOUBLE DUPLEX RECEPT (ESSENTIAL POWER)
₡.	FIRE SERVICE OR EMERGENCY PHONE (* INDICATES DEVICE)	F	7	ABORT SWITCH	9 + 8 •	SPECIAL RECEPTACLE: W
A J	ACCESSIBLE 1ACK		1	MANUAL RELEASING STATION	1 1	COMMUNICATION/POWER
н_	HANOSET	_			∤ -	COMMUNICATION POWER
	COMMUNICATION	١A١	ΝD	SYSTEMS		COMMUNICATION POWER
	TELEPHONE TERMINAL BOARD	П	D	DATA OUTLET		BUS DUCT
$\overline{}$	VOICE DEVICE		<u>.</u>	DATA OUTLET, FLOOR MOUNTED	1 -	
▶ W	WALL PAY		<u> </u>	COMBINATION TELEPHONEIDATA OUTLET	1	
₽	VOICE DEVICE FLOOR MOUNTED	11	<u>.</u>	COMBINATION TELEPHONE DATA OUTLET, FLOOR MOUNTED	s s	SINGLE POLE SWITCH IS SWITCHING ZONE
₩	TELEVISION DEVICE		•	COMMUNICATION POWER FLOOR BOX, DEVICES AS INDICATED	1 ;	TWO POLE SWITCH
®©+	BELLICLOCK DEVICE		<u></u>	COMMUNICATION POWER POKE THROUGH, DEVICES AS INDICATED	1 1	FOUR-WAY SWITCH KEY OPERATED SWITCH
WAP	WIRELESS ACCESS POINT		Ĭ	COMMUNICATION POWER POLE, DEVICES AS INDICATED	M(TO)	TWO POLE SWITCH THREE WAY SWITCH FOUR-WAY SWITCH KEY OPERATED SWITC MOTOR RATED SWITCH DWIMER SWITCH
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SCP	SECURITY CONTROL PANEL	۱ ،	\$ <u>.</u>	SECURITY DEVICE (* INDICATES DEVICE)	PI VS	SWITCH WIS PLOT LIG VARIABLE SPEED SWIT
PAMC	PUBLIC ADDRESS MASTER CONTROL		AC	ACCESS CONTROL		-
PAA	PUBLIC ADDRESS AMPLIFER		C CR	CAMERA CARD READER DOOR RELEASE PUSHBUTTON	ł L	
♠.	PUBLIC ADDRESS (* INDICATES DEVICE)		DR DS ED	DOOR RELEASE PUSHBUTTON DOOR SENSOR	l 1===	CONDUIT CONDUIT, UNDERGRO
₫>.	FLOOR MOUNTED	1	ED DL	DOOR SENSOR ELECTRIC DOOR STRIKE ELECTRIC DOOR LATCH		CONDUIT, ENGERENC
B BZ	BELL BUZZER	1	GB H	ELECTRIC DOOR STRIKE ELECTRIC DOOR LATCH GLASS BREAK SENSOR HOPN	***	INDICATES DEMOLITIC
I MC	BUZZER INTERCOMISTATION MICROPHICNE	1	DL GB H KP M	KEY PAD MONITOR	888888888	CABLE TRAY
PB PB	PUSHBUTTON SPEAKER	1	MDI	MOTION DETECTOR INFRARED MOTION DETECTOR INFRARED MOTION DETECTOR ULTRASONIC	→ FB	PULLBOX
S V	VOLUME CONTROL		MDU PB	PANC PUSHBUTTON	†	
	NURSE	CA	LI.		1	DISCONNECT SWITCH
NOCP	NURSE CALL CONTROL PANEL	Τ,	EF	EMERGENCY CALL STATION WITH FOOT SWITCH		DISCONNECT SWITCH, F
NOPP	NURSE CALL CONSOLE		EL. EP	ELAPSE TIMECLOCK EMERGENCY CALL STATION WITH PULL CORD EMERGENCY CALL STATION WITH PULL CORD, SHOWER		DISCONNECT SWITCH, F
			ES LCD	EMERGENCY CALL STATION WITH PULL CORD, SHOWER	1	
0 . 0+	NURSE CALL: CELLING, WALL MOUNTED (* INDICATES DEVICE) CORE ZERD (CODE BLUE)		MS			FUSE
CB CC			P PB	MASTER STATION PATERN STATION PUSHBUTTON	-	GROUND
DLZ DLZ	CALL CANCEL DONE LIGHT DONE LIGHT ZONE		PB PS R	PRESENCE STATION BEMOTE TIMES OCK CONTROL	1 7	CURRENT TRANSFORME
DS EB	DONE LIGHT ZONE DUTY STATION EMERGENCY CALL STATION WITH PUSHBUTTON		SL SS	STAFF LOCATER STATION STAFF STATION	-3⊱-	POTENTIAL TRANSFORM
	LIGHTNING	00'			{ <u></u>	WEATHERHEAD
_					×,	SHORT CIRCUIT CURREN
•	INSPECTION WELL	Ľ	<u> </u>	AR TERMINAL		CONTACT, NORMALLY OF
		1	_	EXOTHERMIC CONNECTION	#	CONTACT, NORMALLY C
• II	GROUND ROD	<u> </u>	•			
• — □	GROUND ROD SURGE ARRESTER WITH GROUND		r—	LIGHTINING PROTECTION BARE CONDUCTOR	→	TERMINATIONS LOAD RREAK
	SURGE ARRESTER WITH GROUND	_	_		LB NLB	LOAD BREAK NO LOAD BREAK
4	SURGE APRESTER WITH GROUND REFERENC	E S	ΥM	BOLS	LB NLB	LOAD BREAK NO LOAD BREAK ANSI PROTECTIVE DEVICE
⊕•	SURGE ARRESTER WITH GROUND REFERENCE KEY NOTE REFERENCE (DEMOLITION, WHERE APPLICABLE)	E S	ΥM	BOLS REVISION DELTA	18 NLB	LOAD BREAK NO LOAD BREAK ANSI PROTECTIVE DEVICE DRAW-OUT DEVICE
⊕• ←	SURGE APPESTER WITH GROUND REFERENCE ASY NOTE REFERENCE (DEMOLITION, WHERE APPLICABLE) RECORDS DEMOLITION	E S	ΥM	BOLS	18 (3) -≪≫-	LOAD BREAK NO LOAD BREAK ANSI PROTECTIVE DEVICE DRAW-OUT DEVICE
	SURGE APRESTER WITH CROUND REFERENC KEY NOTE REFERENCE (DEMOLITION, WHERE APPLICABLE) ROCKATES DEMOLITION FEEDER REFERENCE	E S	YM	BOLS REVISION DELTA BRANCH CROUT HOME RURANL CROUTS HAVE A DEDCATED NEUTRAL ARROWS RODATE HAMBER OF CROUTS TEXT ROLATES AND RELIGIAND CROST.	(1) IB NUB	LOAD BREAK NO LOAD BREAK ANSI PROTECTIVE DEVICE DRAW-OUT DEVICE DISCONNECT SWITCH, F ENCLOSED CIRCUIT BRE
⊕• ③ (③)	SURGE APPESTER WITH GROUND REFERENCE ASY NOTE REFERENCE (DEMOLITION, WHERE APPLICABLE) RECORDS DEMOLITION	E S	ΥM	BOLS REVISION DELTA BRUNCH CIRCUIT HOME RUNALL CIRCUITS HAVE A DEDICATED NEUTRAL.	18 (3) -≪≫-	LOAD BREAK NO LOAD BREAK ANSI PROTECTIVE DEVICE DRAW-OUT DEVICE DISCONNECT SWITCH, F

5. OUTAGES MAY BE REQUESTED FOR SPECIFIC INSTANCES NOT LESS THAN THREE WONTHS PROR TO THE SUGGESTED QUIRGE REQUESTS WILL BE REVIEWED BY THE UNIVERSITY WITHIN TWO WEENS, NUMERIES THE REQUEST MAY NOT SE ACCEPTED, REQUIRMS THE CONTRACTOR TO REVISE THER WORK TO AN APPROXICE OLLOWING WINDOW. THE CONTRACTOR MAY PERFORM WORK ON CONDUIT AND WIRING IN ADVANCE OF EQUIPMENT REPLACEMENTS QUEING NORMAL WORK HOURS, SUBJECT TO MINIMAL IMPACT TO THE CLASS ACTIVITIES AS MAY BE REQUESTED BY THE UNIVERSITY.

COORDINATE THE 4s-FLOOR AND 8s-FLOOR DATA EQUIPMENT POWER OUTAGES WITH THE DATA
CENTER MANAGER.

PHASING NOTES:

THE OUTAGE.

MAN DISTRIBUTION CENTER UTILITY OUTAGE WILL BE LANTED TO LANGRISHTY BREAK PERICOS SUCH AS HOLDAYS AND/OR SOFEDULED INTERMISSIONS IN CLASS FEROIDS. THE ORESAUL BUILDAY CULTULY OUTAGE PRESON USE LEURITED TO OR CULTURE AND TO NOT MOVE THAT WITH WEBS: THIS OUTAGE REQUIRES AN IMPO AND WILL BE CONSEINATED WITH THE LANGRISTY NO LESS THAY BUINTIN A NUMBER. OF THE WORK.

LEGS INTERVENCENT CONTRIBUTIONS OF THE FIRST PUMP TO BE AVAILABLE ON THE STANDARY GENERATOR FOR THE ENTIRE CUTAGE. THE CONTRACTOR WILL PRODUCE THE FLRE. FOR THE CUTAGE PERIOD AND WILL PROVIDE A FULL FILL TO "TOP-OFF" THE TANKS AT THE BIND OF THE PROJECT. PALACE.

3. THE BULDING HEATING AND COLUNG SYSTEMS WILL BE REQUIRED TO JANATIAN APPROPRIATE BULDING TRAVERSAMES CURING THE BULDING WES CUTLED. A TRAVERSAMY DOWN TO SCHEMATION, ME PROVISOR BINIT THE PAULY POTRIBUTION LANGUAGE CONSECTIONS TO THE MEDIC ON THE ME PROVISOR BINIT THE ANALY PORTIBUTION LANGUAGE CONSECTIONS TO THE MEDIC ON THE MEDICAL PROVISOR AND THE PAULY PROVISOR AND CONTROL THE THE PAULY BINIT THE PAULY PROVISOR AND CONTROL THE THE PAULY BINIT THE PAULY PROVISOR AND CONTROL THE THE TEMPORAL TO GENERAL COLONION WITH THE BUT PROSITY PROVISOR FAIL FOR THE DIMENTION OF

4. PAREL BOURD AND TRANSFORMER REPLACEMENTS WILL CODUR FROM FRIDAY STAFTING NO EARLES THAN 500P AND SHALL BHD NO LATER THAN 5000 ON MONDAY WORK ON PANEL BOARDS. AND TRANSFORMERS WILL BE ALLOWED TO BE EXTENDED OVER FEDERAL HOLIDAYS, SUBJECT TO BURNG BRACK ONLY IN END LATER THAN 5500 THE FOLLOWING DAY.

	RECESSED LUMNAIRE	0►	SURFACE WALL WASH LUMINAIRE
OR T	EMERGENCY OPERATION	00	DARKROOM SAFE LIGHT, AS INDICATED
9 OR V	CRITICAL DEFRATION	1	EMERGENCY BATTERY PACK UNIT
<u>~</u>	STRIPLUMNAIRE	8	SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS
-0		₫.	DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS
	SURFACE CELLING MOUNTED LUWINAIRE		POLE MOUNTED LUMINAIRE
0	RECESSED CEILING MOUNTED LUMINAIRE	4	FLOOD LIGHT
ю	WALL MOUNTED LUMINAIRE		TRACK LIGHTING
-	COVE LIGHT-UNDERCOUNTER LUMINAIRE	<u> </u>	UPPER CASE DESIGNATES LUMINAIRE TYPE
_	RECESSED WALL LUMINAIRE	- 4	SUBSCRIPT INDICATES SWITCHLEG
	PO	NER	
0-	SINGLE RECEPTACLE	-	GROUND BAR
⊕	DUPLEX RECEPTACLE	⊢ /# -	MULTI-CUTLET ASSEMBLY
	ISOLATED GROUND		# INDICATES DEVICE SPACING ON-CENTER
egec	DUPLEX RECEPTACLE, GFCI PROTECTED WEATHER PROOF (WEATHERPROOF WHILE IN-USE))	6	EXISTING PANELBOARD
•	DUPLEX RECEPTAGLE, ESSENTIAL POWER	_	NEW PANELBOARD OR NEW LOCATION
•	DUPLEX RECEPTIVOLE: HALF SWITCHED	T	TRANSFORMER
,	· ·	M	UTILITY NETER
(\$= (\$=)	DOUBLE DUPLEX RECEPTACLE (ESSENTIAL POWER)	마	NON-FUSED DISCONNECT SWITCH
+ (+)	DUPLEX RECEPTACLE, CEILING MOUNTED (ESSENTIAL POWER)	Eh.	FUSED DISCONNECT SWITCH
*	DOUBLE DUPLEX RECEPTACLE, CELLING MOUNTED (ESSENTIAL POWER)	[8]	GROUTBREAKER
	DUPLEX RECEPTACLE, FLOOR MOUNTED (ESSENTIAL POWER)	VFD	VARIABLE FREQUENCY DRIVE
∰ (∰)	DOUBLE DUPLEX RECEPTACLE, FLOOR MOUNTED (ESSENTIAL POWER)		
9-18-0	SPECIAL RECEPTAGLE: WALL, FLOOR, CEILING	⊠	NOTOR STARTER
	COMMUNICATION POWER POKE THROUGH, DEVICES AS INDICATED	N N	COMBINATION STARTER DISCONNECT
	COMMUNICATION POWER POKE THROUGH, DEVICES AS INDICATED	Ø.	MOTOR
Ť	COMMUNICATION POWER POLE, DEVICES AS INDICATED	T	PAD MOUNTED TRANSFORMER
	BUS DUCT		DISTRIBUTION EQUIPMENT
	S/MIT/	CHING	
s 5			OCCUPANCY SENSOR
	SINGLE POLE SWITCH (SUBSCRIPT DENOTES SWITCHING) SWITCHING ZONE	A A	UPPER CASE DESIGNATES TYPE
2 3 4	TWO POLE SWITCH THREE-WAY SWITCH FOUR-WAY SWITCH		SUBSCRIPT INDICATES SWITCH LEG
4	FOUR-WAY SWITCH KEY OPERATED SWITCH	EPO	PUSHBUTTON EMERGENCY POWER OFF
K M(TO) D	MOTOR RATED SWITCH (THERMAL OVERLOAD) DINMER SWITCH	PAD	POWER ASSIST DOOR
		OHD	
EP	EXPLOSION PROOF SWITCH		OVERHEAD DOOR
EP MC OS	EXPLOSION PROOF SWITCH MOMENTARY CONTACT SWITCH OCCUPANCY SENSOR	□.	LIGHTING CONTACTOR (REFERENCE SCHEDULE)
EP MC OS P		Ø.	LIGHTING CONTACTOR (REFERENCE SCHEDULE) PHOTOCELL CONTROL
	OCCUPANCY SENSOR SWITCH WITH ELLUMINATED HAND (LOAD OFF) SWITCH WITH PLOT LIGHT (LOAD ON) VARIABLE SPEED SWITCH	©.	LIGHTING CONTACTOR (REFERENCE SCHEDULE)
P	OCCUPANCY SERVICE SERVICE SAND CAPE (CAPE) SWITCH HIS LILUMINATED HAND (LOUD OFF) SWITCH HIS PEOT USER (LOND CR) WARRELE SPEED SWITCH RACE	WAYS	UISHTING CONTACTOR (REFERENCE SCHEOLLE) PHOTOCELL CONTROL TIME CLOCK
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P PI VS	OCCUMENT SERVICE HAND LOUG OFF) WARRIES PRED SWITCH WARRIES PRED SWITCH CORCUIT CORCUIT, UNDERGRIBUND OR UNDERFLOOR	WAYS	LIGHTNO CONTACTOR REFERENCE SCHEOLE) PHOTOCOLL CONTROL TIME CLOCK CONDUIT TURNED DOWN OR UP REDRIEL CONNECTION
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P P NS	COCUPANT SBEEDS WAND LOUD OFF) SWITCH HIS LULIWARD WAND LOUD OFF) SWITCH HIS LULIWARD WAND LOUD OFF) SWITCH HIS LOUD ON THE LO	WAYS	LIGHTNO CONTACTOR REFERENCE SCHEOLE) PHOTOCOLL CONTROL TIME CLOCK CONDUIT TURNED DOWN OR UP REDRIEL CONNECTION
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P H NS	COCINEY (FIRST TO WHAT AND	©. WAYS • ○ R • ○	UGHTHO CONFICTION PREPRIENCE SCHOOLE) THIS GLOCK COMMENT THEND COOKING OF IP FLORES CONNECTOR COMMENT THEND COOKING OF IP FLORES CONNECTOR COMMENT OF ARR RESPONSE CONFIDENT OF INCOMENTOR COMMENT OF ARR RESPONSE CONFIDENT OF INCOMENTOR CONFIDENT OF ARR RESPONSE CONFIDENT OF INCOMENTOR JUNIOTOR ION, NAIL ON CIELLING MOUNTED PLOOR MOUNTED)
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****	COCINETY FIRSTS WHITE IS AND THE CONTROL OF THE CO	WAYS WAYS ORAM GRAM S S S S S S S S S S S S S	LIGHTER CHARGE SEMECLE) FINE CLOCK CENEUT THREE COOKS OF UP FLENE CONCETTOR CREATE THREE COOKS OF UP FLENE CONCETTOR SEMES CONCETTOR SE
****	COCINET TREES COCINET TREES RACE CORREST AND FOR TREES TO CONTROL CORREST AND FOR TREES CORREST AND FOR TREES	WAYS WAYS OR O OR O GRAM S S S S S S S S S S S S S	UGHTNO CONTICTOR PREPRIENCE SCHOOLE) THIS CLOCK THIS CLOCK CONGUET THINKED DOWN OF UP FLEMES CONNECTION BURNED CONNECTIO
**************************************	COCINET THESE THE WAY THE	WAYS *** *** *** *** *** ** ** **	UGHTNO CONTICTOR PETERNICE SCHOOLE) PROTOCOLL CONNO. THE GLOCK CONDUIT TURNED CONNO ON UP PLEASE CONNECTION PLEASE CONNECTION PLEASE CONNECTION AND CONNECTION PLEASE CONNECT
****	COCINETY (INSIDE TO WHAT I SEE OF THE COCINETY OF TH	WAYS WAYS OR O OR O GRAM S S S S S S S S S S S S S	LIGHT TO CONTICTOR PERFERENCE SCHEALS) TIME GLOCK COMBUT THINKED DOWN OR UP FLEDRES COMPETTOR ENDRES COMPETTOR ANNICOTOR DE RESPES COMPUT WITH COMPUTOR ANNICOTOR DE RESPES COMPUTOR ANNICOTOR DE RESPESACION ANNICOTO
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R	COCINETY EMERICA SOURCE PROSPECT SERVICE AND SERVICE AND SERVICE SERVICE SOURCE PROS SERVICE SERVICE CORRESPONDED PROS SERVICE SERVI	WAYS OR O	LIGHT TO CONTICTOR PEPERANCE SCHOOLS) THE GLOCK CONDUIT THINED DOWN ON UP FLEDER, COMECTION CONDUIT THINED DOWN ON UP FLEDER, COMECTION BURNED COMECTION AMERICAN ON THE RESPONSE CONDUIT WITH CONDUCTION SOLIC OFF AMERICAN ON THE CONDUIT WITH CONDUIT ON THE CONDUIT ON
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P P P P P P P P P P	COCINETY PRINTER STREET	### SE	LIGHT TO CONTICTOR PETERNICE SCHOOLS] FINE CLOOK CREAT THREE COOKS OF UP FLENE CONCETTOR CREATE THREE COOKS OF UP FLENE CONCETTOR BURGE
F	COCINETY ERRORS WAS LOCKED FOR STATE OF THE	WAYS - ** * * * * * * * * * * * * * * * * *	LIGHT OF CONTICTOR PREPRINCE SCHOOLE) PROTOSCELL CORNICO THE CLOCK CONDUIT TURNED COWN ON UP FLURIS CONNECTION FLURIS C
	COCINETY PRINTER STREET	## ## ## ## ## ## ## ## ## ## ## ## ##	LIGHT TO CONTICTOR PETERNICE SCHOOLS] FINE CLOOK CREAT THREE COOKS OF UP FLENE CONCETTOR CREATE THREE COOKS OF UP FLENE CONCETTOR BURGE
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DESCRIPTION

SYMBOL

RECESSED WALL WASH LUMINARE

LIGHTING

DESCRIPTION

ELECTRICAL DRAWING INDEX								
SHEET NO.	SHEET TITLE							
E0.01	ELECTRICAL LEGENDS AND INDEX							
E0.10	ELECTRICAL DEMOLITION ONE-LINE DIAGRAM							
E0.11		ELECTRICAL NEW ONE-LINE DIAGRAM						
E0.20	ELECTRICAL SCHEDULES							
E0.30	ELECTRICAL PANEL SCHEDULES							
E0.31 E0.32	ELECTRICAL PANEL SCHEDULES ELECTRICAL PANEL SCHEDULES							
E0.32	ELECTRICAL PANEL SCHEDULES							
E0.33	ELECTRICAL PANEL SCHEDULES							
E0.35	ELECTRICAL PANEL SCHEDULES							
E0.36	ELECTRICAL PANEL SCHEDULES							
E0.37	ELECTRICAL PANEL SCHEDULES							
E0.38	ELECTRICAL PANEL SCHEDULES							
E0.39	ELECTRICAL PANEL SCHEDULES							
E0.40	ELECTRICAL PANEL SCHEDULES							
E0.41	ELECTRICAL PANEL SCHEDULES							
E0.42	ELECTRICAL PANEL SCHEDULES							
E0.43	ELECTRICAL PANEL SCHEDULES							
E0.44	ELECTRICAL PANEL SCHEDULES							
E0.45	ELECTRICAL PANEL SCHEDULES							
E0.46 E0.47	ELECTRICAL PANEL SCHEDULES ELECTRICAL PANEL SCHEDULES							
E2.00	OVERALL ELECTRICAL PLAN - LEVEL P2							
E2.01	OVERALL ELECTRICAL PLAN - LEVEL P1							
E2.10	OVERALL ELECTRICAL PLAN - LEVEL 1							
E2.20	OVERALL ELECTRICAL PLAN - LEVEL 2							
E2.30	OVERALL ELECTRICAL PLAN - LEVEL 3							
E2.40	OVERALL ELECTRICAL PLAN - LEVEL 4							
E2.50	OVERALL ELECTRICAL PLAN - LEVEL 5							
E2.60	OVERALL ELECTRICAL PLAN - LEVEL 6							
E2.70	OVERALL ELECTRICAL PLAN - LEVEL 7							
E2.80	OVERALL ELECTRICAL PLAN - LEVEL 8							
E2.90 E6.01	OVERALL ELECTRICAL PLAN - LEVEL 9 ENLARGED ELECTRICAL PLANS - LEVEL P1							
E6.01	ENLARGED ELECTRICAL PLANS - LEVEL PT							
E7.00	ELECTRICAL DETAILS							
	ABBREV	IATION	J.C					
			NO T					
A	AMPERES	MC	NOT IN CONTRACT					
AC AFF	ABOVE COUNTER ABOVE FINISHED FLOOR	NTS	NOT TO SCALE					
		(N)	NEW					
AFG	ABOVE FINISHED GRADE	NC	NORMALLY CLOSED					
ATS	AUTOMATIC TRANSFER SWITCH	NO	NORMALLY OPEN					

NIGHT LIGHT NL NIGHT LIGHT OC ON CENTER OHD OVERHEAD DOOR OHP OVERHEAD PROJECTOR PVC POLYVINIL CHLORIDE CONSUIT COLOURT COLOURT COLOUR OWNORTHE DEVELOPMENT COLOUR OWNORTHE DEVELOPMENT COLOUR OWNORTH COLOU C CONDUIT (R) RELOCATED (RR) REMOVE & RELOCATE RMF RAISED ACCESS FLOOR RMC REGID METAL ISTELLI CONDUIT RGS RIGID QALVANIZED STEEL CON SB STAND-BY SPD SURGE PROTECTION! TP TAMPER PROOF TYP TYPICAL UF UNDER FLOOR US UNDER GROUND UPS UNINTERRUPTABLE POWER S IS ISOLATED GROUND KWA KLOVOLT AMPERES KW KLOWATTS VFO VARIABLE PREQUE W/ WITH MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MLO MAIN LIUGS ONLY MV MEDIUM VOLTAGE WO WITH WO WITHOUT WG WIRE GLARD WP WEATHER PROOF XVMR TRANSFORMER

GENERAL NOTES_

- 2. WORK INCLUDED IN CONTRACT IS SHOWN WITH HEAVIER LINE WEIGHT WORK SHOWN WITH LIGHT LINE WEIGHT IS (E) TO REMAIN MAKE MODIFICATIONS TO (E) BRANCH CRECUITS TO RETAIN CONTRIBUTY, INCLUDING EQUIPMENT OUTSIDE THE AREA OF WORK.
- MAKE ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT.

- EACH MULTI-WIRE BRANCH CIRCUIT SHALL BE PROVIDED
 WITH A SEPARATE NEUTRAL FOR EACH BRANCH
 CIRCUIT.
 S.
- EQUIPMENT LOCATIONS ARE DIAGRAMMATIC AND SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS TO SHOULD EQUIPMENT AND SPACE. DISCONNECT SWITCH SHALL BE WITHIN SIGHT OF EQUIPMENT SERVED AND SHALL MAINTAIN REQUIRED CLEARANCES.

GENERAL DEMOLITION NOTES_

- 1. WORK SHOWN HATCHED IS TO BE REMOVED: WORK SHOWN WITH LIGHT LIME WEIGHT IS (E) TO REMAIN MAKE MODERATIONS TO IE BRANCH CROUTS TO RETAIN CONTINUITY, INCLUDING FOURMENT AND DEVICES OUTSIDE THE AREA OF WORK AND RELOCATED EQUIPMENT AND DEVICE.
- DEMOLITION DRAWINGS ARE INCLUDED TO GIVE A COMMON BASIS FOR BIDDING. CONTRACTOR IS TO VERIFY (E) CONDITIONS AND REQUIRED DEMOLITION WORK PRIOR TO BID.
- EQUIPMENT:

 4. ALL COMDUIT SHALL BE INSTALLED CONCEALED IN FINISHED AREAS UNLESS OTHERWISE NOTED.

 FINISHED AREAS UNLESS OTHERWISE NOTED.

 FOR THE AREA OF WORK.
- 5. FRE SAL, ALL FRE RATED WALL AND FLOOR 4. THE CONTROL SHALL HAVE FREST FORM TO REMOVED PRINTERS AND CHAPTER TO REMOVED THE CONTROL SHALL BELL BORDER OF FROM THE CONTROL THE REMOVED DEVICES OR GOLDWENT, THEN CONTROL THE CONTROL THE SHALL BERPOSE OF PROPERTY.
 - FIRE SEAL ALL FIRE RATED WALL AND FLOOR PENETRATIONS.
 - 6. THROUGHOUT THE BUILDING, NO MATTER THE EXTENT OF WORK IN THE PARTICULAR AREA (E) CABLING, CONDUIT, EQUIPMENT, ETC. SHALL BE PROPERLY SUPPORTED, JUNCTION BOXES COVERED, AND KNOCK OUT OPENINGS COVERED.
 - PRIOR TO DEMOLITION COMPLETELY CIRCUIT TRACE ALL ELECTRICAL SYSTEMS IN THE AREA OF REMOVATION AND SUBMIT INFORMATION, INCLUDING MARKED UP PANELBOARD DERCTORES, TO THE ARCHITECT, ADJUST REUSED CIRCUITS AS REQUIRED.
 - WHERE DEVICES AND EQUIPMENT ARE TO BE REMOVED, WALLS SHALL BE PATCHED TO MATCH ORIGINAL FINISH. BILANK COVER PLATES ARE NOT ACCEPTABLE UNLESS OTHERWISE NOTED.

ELECTRICAL SYSTEM UPGRADES	1250 14th STREET, DENVER, CO. 8020.
	ELECTRICAL SYSTEM UPGRADES

4

SB

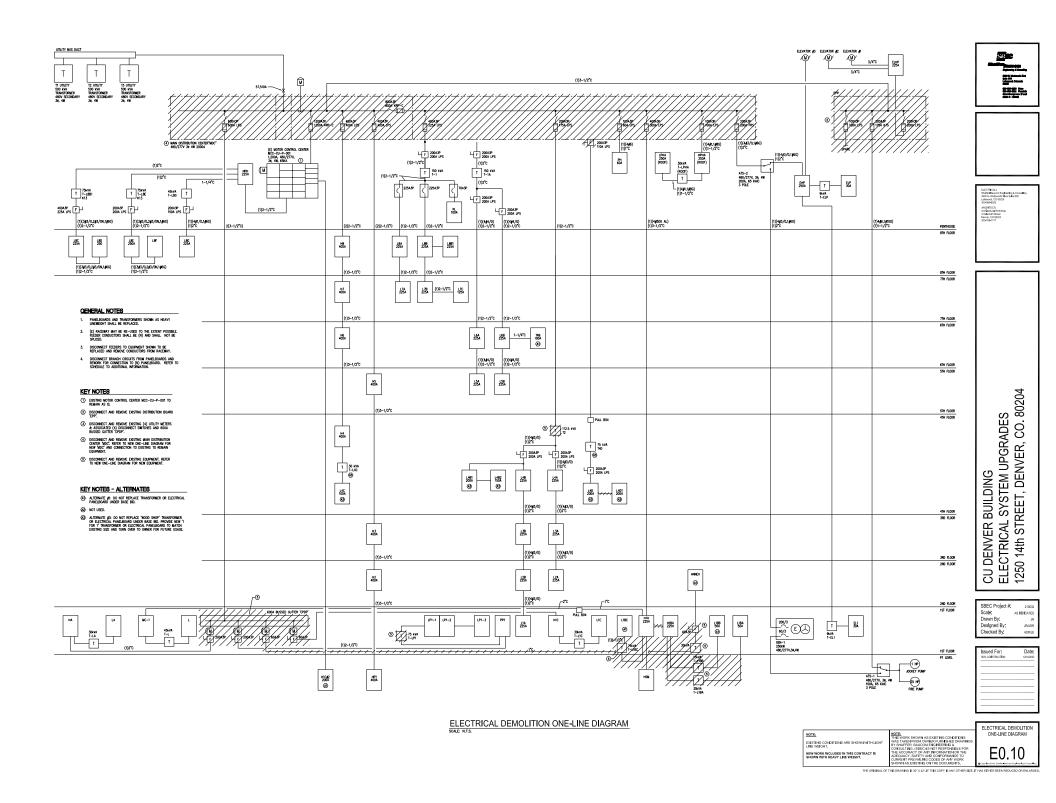
ELECTRICAL: Shaffer - Baucon Engineering & Consulting 3500 5. Washarorfs Blvd. State 600 Lithercool. CO 90235 300-998-8200

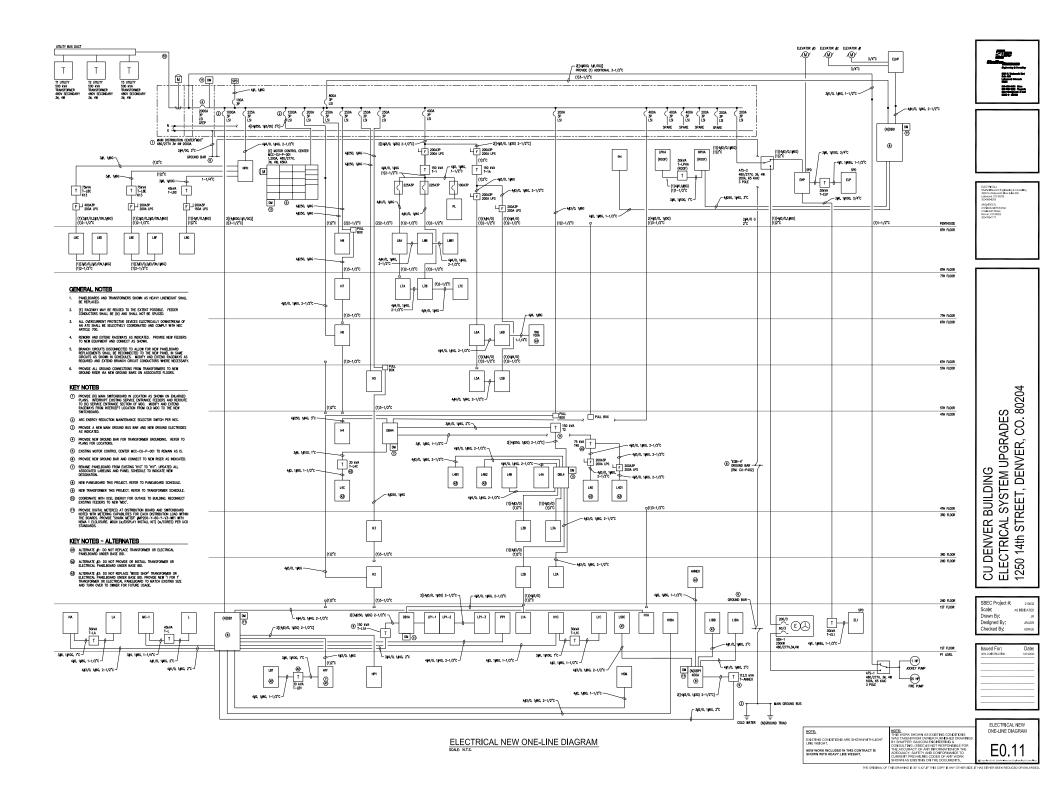
SBEC Project #: As indicate Drawn By: Designed By: Checked By: JRWOR AGRUE

Issued For: 100% CONSTRUCTION	Date:
100% CONSTRUCTION	1201/2023

ELECTRICAL LEGENDS AND INDEX E0.01

EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT. NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.





THREE PHASE DRY-TYPE TRANSFORMER SCHEDULE											
		PRIMARY SECONDARY								GROUNDING	
		CAL CHARACHT			EEDER	I			FEEDER	ELECTRODE	
DESIGNATION	kVA	VOLTS	FLA	OCP	DESIGN.	VOLTS	FLA	OCP	DESIGN.	DESIGNATION	REMARKS
T-LPHA	30	480 V	36 A	45 A	(3#6,1#10g)1°C	208 V	83 A	100 A		(1#6GEC)3/4°C	
T-ELP	30	480 V	36 A	45 A	(3#6,1#10g)1°C	208 V	83 A	100 A		(1#6GEC)3/4°C	
T-EL1	30	480 V	36 A	45 A	(3#6,1#10g)1°C	208 V	83 A	100 A		(1#6GEC)3/4°C	
T-LB1	30	480 V	36 A	45 A	(3#6,1#10g)1°C	208 V	83 A	100 A	(4#1,1#6BJ)1-1/2°C	(1#6GEC)3.4°C	
T-LA	45	480 V	54 A	70 A	(384,188G)1-1/4°C	208 V	125 A	150 A	(4#1/0,1#8BJ)2°C	(1#6GEC)3/4°C	
T-L	45	480 V	54 A	70 A	(3#4,1#8G)1-1/4°C	208 V	125 A	150 A	(4#1/0,1#8BJ)2°C	(1#6GEC)3/4°C	
T-L1C	45	480 V	54 A	70 A	(3#4,1#8G)1-1/4°C	206 V	125 A	150 A	(4#1/0,1#6BJ)2°C	(1#6GEC)3/4°C	
T-L8G	45	480 V	54 A	70 A	(3#4,1#8G)1-1/4°C	206 V	125 A	150 A	(4#1/0,1#6BJ)2°C	(1#6GEC)3/4°C	
T-L8E	75	480 V	90 A	110 A	(3#2,1#6G)1-1/2°C	206 V	208 A	250 A	(4#250,1#2BJ)3°C	(1#2GEC)3/4°C	
T-LBC	75	480 V	90 A	110 A	(3#2.1#6G)1-1/2°C	206 V	205 A	250 A	(4#250,1#2BJ)3°C	(1#2GEC)3/4°C	
T-4D	75	480 V	90 A	110 A	(3#2.1#6G)1-1/2°C	208 V	205 A	250 A	(4#250,1#2BJ)3°C	(1#2GEC)3/4°C	
T-ANNEX	112.5	480 V	135 A	175 A	(3#2/0,1#6G)2°C	208 V	312 A	400 A		(1#1/0GEC)3/4* C	
T-1	150	480 V	180 A	225 A	(3#4/0,1#4G)2°C	208 V	416 A	500 A	2[(4#250,1#1/0BJ)3*C]	(1#1/0GEC)3/4* C	
T-1A	150	480 V	180 A	225 A	(3#4/0,1#4G)2°C	208 V	416 A	500 A	2((4#250,1#1/0BJ)3°C)	(1#1/0GEC)3.4* C	
T-L1A	150	480 V	180 A	225 A	(3#4/0,1#4G)2°C	208 V	416 A	500 A	2[(4#250,1#1/0BJ)3*C]	(1#1/0GEC)3/4* C	

		SUR	GE PR	C	TΙ	ΕC	CT	IVI	E DEV	ICE SC	HED	ULE		
DESIGNATIO	SERVICE	MAXIMUM CONTINUOUS OPERATING	CONNECTION		MOD ROTI				FEEDER		MINIMUM SURGE RATING			
N N	VOLTAGE	VOLTAGE	METHOD							MANUFACTURER	(kA)	VPR		REMARK
	480Y/277	>115% AND <125%	PARALLEL	Υ	Y	Y	Y	100A	4-110AGa	CURRENT TECHNOLOGIES	400	L-N 1200 L-L 1800 L-G 1200 N-G 1200	EXTERIOR	1, 2, 3, 4
	208Y/120	>115% AND <125%	PARALLEL	Υ	Υ	Y	Y	100A	4-110AGa	CURRENT TECHNOLOGIES	400	L-N 600 L-G 700 N-G 600 L-L 1200	EXTERIOR	1, 2, 3, 4
	480Y/277	>115% AND <125%	PARALLEL	Y	Y	Y	Y	100A	4-110AGa	CURRENT TECHNOLOGIES	200	L-N 1200 L-G 1200 N-G 1200 L-L1800	EXTERIOR	1, 2, 3, 4
	2089/120	>115% AND <125%	PARALLEL	Y	Υ	Y	Y	100A	4-110AGa	MATCH PANELBOARD	200	N-G 600 L-L 1200	INTEGRAL TO PANELBOARD	
	480Y/277	>115% AND <125%	PARALLEL	Y	Y	Y	Y	60A	4-60AGs	MATCH PANELBOARD	100	L-N 1200 L-G 1200 N-G 1200 L-L 1800	INTEGRAL TO PANELBOARD	1
	20897120	>115% AND <125%	PARALLEL	Y	Y	Y	Y	60A	4-90AGs	MATCH PANELBOARD	100	L-N 600 L-G 700 N-G 600 L-L 1200	INTEGRAL TO PANELBOARD	1

GENERAL REMARK

- A SUBMIT PRODUCT DATA, INCLUDING PERFORMANCE AND INSTALLATION INSTRUCTIONS FOR EACH TYPE OF TVSS UNIT.
- B INSTALL UNITS PER MANUFACTURER'S RECOMMENDATIONS, INCLUDING CONDUCTOR SIZE, KEEPING LEAD LENGTHS AS SHORT AS POSSIBLE WITH NO SHARP BENDS.
- C UNITS SHALL MEET AND BE TESTED TO THE LATEST VERSION OF THE FOLLOWING STANDARDS AND CODES: UL1449, NEMA LS-1, UL123, IEEE C62.41 AND C62.45, NFPA 70.
- D UNITS SHALL HAVE A 5 YEAR WARRANTY.
- E TO MINIMIZE POTENTIAL OF ARC FLASH AND ELECTRICAL FIRES, UNITS SHALL NOT BE INSTALLED INTEGRAL TO THE DISTRIBUTION EQUIPMENT.
- F ENCLOSURES SHALL INCLUDE NEMA RATING APPROPRIATE FOR THE INTENDED INSTALLATION LOCATION.
- ALL PERFORMANCE RATINGS SHALL BE VERIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY WITH SPECIFIC TEST REPORT AVAILABLE FOR REVIEW.
- UNITS SHALL PROVIDE PROTECTION FOR ALL INDICATED MODES.
- ENVIRONMENTAL CONDITIONS: MINUS 40 DEGREES FAHRENHEIT TO 140 DEGREES FAHRENHEIT AND 5 PERCENT NON-CONDENSING HUMIDITY.
- SUPPLIER SHALL PROVIDE ANNUAL TESTING OF THE TVSS UNITS FOR S YEARS WITH A WRITTEN REPORT GIVEN TO THE BUILDING OWNER.
- GIVEN TO THE BUILDING OWNER.

 K MINIMUM SURGE CURRENT ARTHOUS PER PHASE SHOWN ABOVE, THREE PHASE, WYE SYSTEMS PER PHASE RATING SHALL EQUAL L-N AND L-G MODES ADDED TOGETHER. NO OTHER METHODS ARE ACCEPTABLE FOR PER PHASE SURGE CURRENT RATING CALCULATIONS.

SPECIFIC REMARKS:

- 1 WITH ALARM AND DISTURBANCE COUNTER.
- 2 NEMA 4 ENCLOSURE
- 3 WITH INTEGRAL LOW IMPEDANCE DISCONNECT
- 4 WITH AUDIBLE ALARM

	SHORT CIRCUIT CURRENT SCHEDULE								
DESIGNATION	CURRENT I	N AMPERES							
DESIGNATION	AVWLABLE	LET-THROUGH							
MDC	57,510	-							
DB1 MC-1	35,415 16,655	-							
MC-1 T-L	16,055	-							
L	2,030	-							
HA T-LA	20,744	-							
LA	1,418								
T-L1A	6,706	-							
DB1A LP1-1	6,036 5,919	-							
LIA	5,497								
PP1	24,282	-							
H1C T4.1C	6,043 1,322	-							
LIC	1,256								
H1A	28,226	-							
HP1 H1F	27.457 22.753	-							
T-LB1	1,421	-							
LB1	1,393	-							
HSM	11,094	-							
T-ANNEX	4,431								
DBP1	4,307	-							
LIBC ANNEX	2,809 2,706	-							
L188	2,408								
LIBA	2,491	-							
HPH TABC	39,303 3,511	-							
LEC	3,433								
LED	3,421	-							
T-LSE LBE	3,511 4,752	-							
LEF	4,731	-							
TLEG	2,140	-							
LBG MCC-CU-P-001	3,590 53,300								
H6	22,776	-							
HB	31,057	-							
DB9 ELHP	50,765 23,732								
ELEVATOR #1	1,872	-							
ELEVATOR #2 HPHA	1,896 29,429	-							
T-LPHA	29,429 1,430								
LPHA	1,365	-							
PH HT	36,092 28,001	-							
16	23,669								
HS.	29,457	-							
T-1 LBA	6,923 6,211	-							
LEB	5,602	-							
L88 L891 L7B	2,260	-							
L78	6,005 5,813	-							
LTA	5,813	_							
Pt.	6,669	-							
T-1A LEA	30,451 15,159	-							
LEB	13,988	-							
TRG	1,299	-							
LSB LSA	13,999 12,943	-							
H2	16,773	-							
DBH4	31,611	-							
H4 T-L4C	21,624								
L4C	1,432	-							
T-2	6,643	-							
DBL4 L481	6,534 5,920								
L482	5,974	-							
L4B L4A	5,369	-							
LIB	6.198								
LIA	5,390	-							
1.28	6.143 5.159	-							
L2A T-4D	5,159 3,479	-							
L4D	3,402	-							
L4D1 EHP	3,402 43,405	-							
EHP T-ELP	43,485 1,440								
ELEVATOR #3	2,234	-							
BLP T-EL1	1,417	-							
EL1	1,417								





BLECTRICAL: Shafter - Bascont Engineering & Consulting 3500 S. Wastworth Bhvd. Salts 600 Lakewood, CD 80236 300-989-6000
ARCHETECT: Acchilectural Workshop 2 Kalamath Street Deney, CO 90223 300-785-1717

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #:	210032
Scale:	58" = 158"
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For: 100% CONSTRUCTION	Date:

NOTE:

EXSTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT.

NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

* BASED UPON EXISTI (3) 500 KVA XCEL TRANSFORMERS.

NOTE:
THIS WORK SHOWN AS EXISTING CONDITIONS
WAS TAKEN FROM OWNER FURNISHED
DEAVINGS BY SHAFFER BAUCOM ENGINEERIN
A CONSULTING, (SBEC) IS NOT RESPONSIBLE
FOR THE ACCURACY OF ANY INFORMATION OR
THE ADEQUACY SAFETY AND COOPERSANCE
TO CURRENT PREVAILING CODES OF ANY WORK
SHOWN AS EXISTING ON THE DOCUMENTS.

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custo	MIZATIO	Branch Panel: HA MANUFACTURER AND TYPE: — INSTALLED: Electrical Upge DEMOLISHED: Name BUS RATING: 225 A AIC RATING: 22000 A DEMOLISHED: Name AIC RATING: 22000 A	ades				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		F		NORMAL F SPD: HROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB1	OWER	
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		۵.	_	R		c	POLES	TRIP	LOAD DESC	URTION CO	T NOTES
WOILD		SPACE EGAD DESCRIPTION	INIF	TULES 1	-	T OVA	_	-		_	PULES	INF	LUAD DESCI	urion CKI	1 140.20
_	3	LIGHTING	20 A	1		U VA	0 VA	0 VA			3	45 A	TRANSFORMER FOR PAN		-
	5	LIGHTING	20 A	1			0.474	01/	OVA	0 VA	1 "	4074	THE STATE OF THE S	6	-
	7	LIGHTING	20 A	1	OVA	0.VA		_	UVA	UVA	1	20 A	EXISTING EQUIPMENT	8	_
_	9	LIGHTING	20 A	1	- IA		0 VA	0 VA	_		+	20 A	EXISTING EQUIPMENT	10	-
	11	LIGHTING	20 A	1			1 - 1/2	- '^	OVA	0.VA	1	20 A	EXISTING EQUIPMENT	12	
_	13	LIGHTING	20 A	1	0 VA	0 VA	_		V 7/A	- vvn	_	237	COOLING EQUIPMENT	14	
_	15	SPACE	207	1	OIA	UVA		0 VA	_	_		60.6	DUCT HEATER #2	16	
_	17	SPACE	-	1		_	-	UIA	-	0 VA	1 "	UU A	DOC! HEATEN ME	18	
	19	or noc	-		0 VA	0 VA	_	_	-	0.471	-	_		20	
	21	SUPPLY FAN #1	20 A	3	UIA	UVA	0 VA	0 VA			3	30 A	DUCT HEATER #1	22	
	23	0011211111111	2071			_	0.471	0.171	OVA	0 VA	1 "	0011	DOOT HERTERIA	24	
	25		_	 	0 VA	0.VA			UIA	UVA				26	
	27	SUPPLY FAN #2	20 A	3	0.111	9 111	0 VA	0 VA	_		3	30 A	WATER HEATER	28	
	29	GOLLET LANGE	100	_	_	_	0.44	01/4	0 VA	0 VA	1 "	2014	WATERTIER	30	
_	31	SPACE	-	- 1		-	_	_	0.44	UVA	1		SPACE	32	
	33	SPACE	-	1		-	-	-	_	_	1		SPACE	34	
	35	SPACE	-	1		 	-	-	-	-	1		SPACE	36	
	37	SPACE	-	1		-	_	_	_	_	i		SPACE	38	
_	39	SPACE		1		-		-	_	_	1		SPACE	40	
	41	SPACE		1		_	_	-	-	-	1		SPACE	42	
_	41	STALE		L LOAD:	0			VA		VA.			SPACE	42	_
				L AMPS:		VA.		A		VA.	ı				
HTG - H EQP - E	CATED EATING QUIPME	ENT			RCPT - REG LTG - LIGH (E) - EXISTI	TING ING LOAD						MTR - I	MOTOR DTCHEN APPLIANCE		
		CATION	_		CTED LOAD) (DEMAND FAC	TOR		D DEMAND			PANEL T	DTALS	
LIGHTIP			-		0 VA	_	0.00%			VA	-				
RECEP			_		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD:		
иотов			-		0 VA	_	0.00%	$\overline{}$		VA	-	_	TOTAL EST. DEMAND:		
EQUIPM			-		0 VA	_	0.00%			VA	-		TOTAL CONN. CURRENT:		
HEATIN			_		0 VA	_	0.00%	_		VA		IOIALI	EST. DEMAND CURRENT:		
KITCHE	rs .		-		0 VA	_	0.00%	_		VA	-		CAPACITY:		
					0 VA		0.00%		0	VA			SPARE CAPACITY: 2	UU A	

custo	MIZATIO	Branch Panel: MC-1 MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AIC RATING: 22500 A					VOLTS. PHASES. WIRES. GROUND. MAIN CB.	4 X	'ye		F		NORMAL SPD: HROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB1			
NOTES		LOAD DESCRIPTION	TRIP	POLES	_	Δ.	_	B	_	С	POLES		LOAD DESC		СКТ	NOTES
NOTES	1 1	110 RECEPTACLES	20 A	PULES	0.04	A OVA	_	В		_	PULES	IMP	LUAD DESC	RIPTION	2 CKI	MOTES
	3	150 COPIER ROOM	20 A	1	UVA	UVA	DVA	0.VA	_	_	1 3		EXISTING EQUIPMENT		4	-
	5	EXISTING EQUIPMENT	20 A	1	_	_	0 VA	UVA	0.74	0 VA	1 "	10 A	EXISTING EQUIPMENT		6	-
-		EXISTING EQUIPMENT	20 A	H÷.	0.VA	OVA			UVA	- VA					8	-
	9	110 HALLWAY	20 A	1	UIA	VVA	0 VA	0 VA	_	_	3	15.6	EXISTING EQUIPMENT		10	1
-	11	EXISTING EQUIPMENT	20 A	H÷.			JVA	UVA	0.VA	0 VA	1 '	.34	LOUDING EQUIPMENT		12	1
	13	EXISTING EQUIPMENT	40 A	-	OVA	D.VA	_	_	UVA	UVA	_	_			14	-
	15	AIR HANDELING 110	20 A	3	UIA	0.111	0 VA	0 VA	_	_	1 3	20.6	EXISTING EQUIPMENT		16	1
	17	AUCTIPALIZATION TO	100			 	UVA	VIA	OVA	DVA	1 "	207	LAGING EQUI MEN		18	1
		SPARE	20 A	1	0.74	OVA	_	_	V III	0 1771	-				20	-
	21	SPARE	20 A	1	VIA	U VA	0 VA	0 VA	-		3	70 A	T.I		22	1
		SPARE	20 A	1			0.471	0.171	OVA	DVA	1 ° 1				24	1
		SPARE	20 A	1	0.VA	-	_		UIA	0.44	1		SPACE		26	-
		SPARE	20 A	1	0.111		D.VA				1		SPACE		28	-
		SPARE	20 A	1			0.477		0 VA	-	1		SPACE		30	-
				LLOAD	0	VA	0	VA		VA		_	0		1	
			TOTAL	L AMPS:		A	-	IA.	1 - 0	A						
HTG - H EQP - E	CATED EATING QUIPME			001111	RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD	DEMAND FAC		FOTHER	D DEMAND			WOTOR OTCHEN APPLIANCE PANEL 1	20741.0		
LIGHTIN		TEATION	_		O VA	<u> </u>	0.00%	JUR		VA.	_		PANEL	UIALS		
RECEPT			_		0 VA	-	0.00%	_		VA	\rightarrow		TOTAL CONN. LOAD:	0.114		
MOTOR			_		0 VA	-	0.00%	_		VA	-		TOTAL EST, DEMAND:			
FOLIPM			_		0 VA	-	0.00%	_		VA	-	_	TOTAL CONN. CURRENT:			
HEATIN			_		0 VA	-	0.00%	_		VA	-		EST. DEMAND CURRENT:			
KITCHE			_		OVA	_	0.00%			VA	_	OIAL	CAPACITY:			
			_		0 VA	-	0.00%	$\overline{}$		VA	-		SPARE CAPACITY:			
(E)																

		Branch Panel: LA MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Electrical Upgrac DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A	ies				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	1			SPD: FEED-THROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM:				
custo	MIZATIO	INS:														
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		3		c	POLES		LOAD DESCRIPTION	CKT	NOTE	
	1				0 VA	0 VA					1	20 A	WIREMOLD RECEPT.	2		
	3	MAIN BREAKER	100 A	3	_	_	0 VA	0 VA			1	20 A	DEDICATED RECEPT.	4	-	
	5 7	LIGHTING/TVs	20 A	-	0 VA	0 VA			0 VA	AV 0	1	20 A	DEDICATED RECEPT.	6	-	
	9	RECEPTACIES	20 A	+	UVA	UVA	0 VA	n va		_	1	20 A	LIGHTING	10	+	
	11	RECEPTACLES	20 A	H i	_	_	UVA	UVA	0 VA	0.VA	1	20 A	LIGHTING	12	+	
	13	RECEPTACLES	20 A	1	0 VA	0 VA			UIA	01/4	1	20 A	RECEPTACLES	14	+-	
	15	RECEPTACLES	20 A	i i	UVA	UVA	0 VA	0 VA			1	20 A	EXT. 1/2 WALL RECEPT, CONFERENCE	16	+	
_	17	RECEPTACLES	20 A	1			UVA	UVA	0 VA	0 VA	-			18	+-	
	19	RECEPTACLES	20 A	1	0 VA	0 VA	_		01/1	V III	2	30 A	COFFEE MAKER	20	1	
_	21	RECEPTACLES	20 A	1			0.VA	0.VA			1	20 A	TELEPHONE RECEPT.	22	-	
	23			_			V 111	0.471	0 VA	0 VA	1	20 A	HALLWAY CLOSET LIGHT	24	-	
	25	RECEPT., KITCHEN ICE MAKER & COFFEE POT	20 A	2	0 VA	0 VA					1	20 A	BATH LIGHT	26	+	
	27	KITCHEN RECEPT, COUNTER	20 A	1			0.VA	0 VA			1	20 A	WATER HEATER CIR. PUMP	28	-	
	29	RECESSED LIGHTING CLASSROOM	20 A	1					0 VA	0.VA	1	20 A	CLOSET RECEPT.	30	-	
	31	HEAT TRACE - DOOR OPERATOR	20 A	1	0 VA	0 VA					-1	20 A	HEATER WEST DOOR	32	-	
	33	NEW FAN	20 A	1			0.VA	0 VA						34	_	
	35	WIREMOLD RECEPTACLES	20 A	1					0 VA	OVA	2	20 A	HEATER HVAC CONTROL PANEL	36	1	
	37	DESK OUTLETS	20 A	1	0 VA	0 VA					1	20 A	SPARE	38	-	
	39	DESK OUTLETS	20 A	1			0 VA	0 VA			-1	20 A	SPARE	40	т	
	41	DESK OUTLETS	20 A	1					0 VA	0 VA	1	20 A	EXT. 1/2 WALL RECEPT. CONFERENCE	42	-	
	43	SPARE	20 A	1	0 VA						1	-	SPACE	44	$\overline{}$	
	45	SPARE	20 A	1			0 VA	-			1	-	SPACE	46	\top	
	47	SPARE	20 A	- 1					0 VA		1	-	SPACE	48	T = T	
	49	SPARE	20 A	-	0 VA						1	-	SPACE	50		
	51	SPARE	20 A	- 1			0 VA				1	-	SPACE	52		
	53	SPARE	20 A	1					0 VA		1		SPACE	54	_	
				LOAD:		VA	0.0		01		J					
			TOTAL	AMPS:		I.A.		A	- 0	A						
HTG - H		FULLY BUSSED SPACE TO BE PROVIDED			RCPT - RE- LTG - LIGH (E) - EXIST	TING						MTR - N KTN - K	IOTOR ITCHEN APPLIANCE			
OAD (LASSIF	ICATION	\neg	CONNE	CTED LOAD) [EMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL TOTALS		_	
IGHTI!					0 VA		0.00%		0.							
	TACLE				0 VA		0.00%		0.				TOTAL CONN. LOAD: 0 VA			
OTOF					0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA			
QUIP			\perp		0 VA		0.00%		0.				OTAL CONN. CURRENT: 0 A			
EATIN			\perp		0 VA	_	0.00%			VA	1	TOTAL E	ST. DEMAND CURRENT: 0 A			
ITCHE	N		_		0 VA		0.00%		0.				CAPACITY: 83 A			
OTES					0 VA		0.00%		0.	VA			SPARE CAPACITY: 83 A			





ELECTRICAL:
Shaller Separethy & Corealing
Claseroot College State 66

Lakeroot College State 66

XXX 938 900

ARCHITECT
ANCIENCE Window
ACCEPT
ANCIENCE
ACCEPT
ANCI

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #: 210032 Scale: Drawn By: JR Designed By: JR-WOR Checked By: ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

BOILE

DOSTRUO CONCITIONS ARE SHOWN WITH LIGHT

WAS TAKEN FROM CONCITIONS ARE SHOWN WITH LIGHT

WAS TAKEN FROM CONCITIONS ARE SHOWN WITH LIGHT

WAS TAKEN FROM CONCIDENCE SHORT SHOR

		Branch Panel: HP1 MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 400 A AC RATING: 35000 A					VOLTS PHASES WIRES GROUND MAIN CB	4 X	ye		ı		NORMAL POWER SPD: RROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB1		
	MIZATIO														
NOTES		LOAD DESCRIPTION	TRIP	POLES		A	_	В		¢	POLES		LOAD DESCRIPTION		NOTE
_		ELEVATOR ROOM LIGHTS	20 A	1	0 VA	0 VA	_				1	20 A	TIMECLOCK MOTOR	2	-
		PARKING LIGHTS P2	20 A	1			0 VA	0 VA			1		STAIR HEATER	4	_
		PARKING LIGHTS P2	20 A	1					0 VA	0 VA	1		HX	- 6	_
		PARKING LIGHTS P1	20 A	1	0 VA	0 VA					1	20 A	PUMP ROOM HEATER	8	-
		PARKING LIGHTS P1	20 A	- 1			0 VA	0 VA			1		ELEVATOR ROOM HEATER	10	_
		SPARE	20 A	- 1			_		0 VA	0 VA	1	20 A	AIR COMPRESSOR PUMP ROOM	12	_
		HEAT TAPE	20 A	- 1	AV 0	0 VA					1			14	4
		HEAT TAPE	20 A	- 1			0 VA	0 VA			3	15 A	AIR COMPRESSOR PUMP ROOM	16	4
		HEAT TAPE	20 A	1					OVA	0 VA				18	_
	19				AV 0	0 VA					1			20	4
		SUMP PUMP #2	15 A	3			0 VA	0 VA			3	15 A	SUMP PUMP #1	22	4
	23								0 VA	0 VA				24	_
	25				0 VA	0 VA								26	_
		G-FAN #2	30 A	3			0 VA	0 VA			3	40 A	ELEVATOR ROOM HEATER	28	4
	29								0 VA	0 VA				30	_
	31				0 VA						1		SPACE	32	
		G-FAN #1	30 A	3			0 VA				1		SPACE	34	_
	35								0 VA		- 1		SPACE	36	_
	37				0 VA						1		SPACE	38	_
		BASEBOARD HEAT PUMP	20 A	3			0 VA	-			1		SPACE	40	
	41								0 VA		1		SPACE	42	
				L LOAD:	0			VA		VA					
			TOTA	L AMPS:		IA.		I.A.		A					
HTG - H		FULLY BUSSED SPACE TO BE PROVIDED			RCPT - REI LTG - LIGH (E) - EXIST	TING						MTR - N KTN - K	NOTOR ITCHEN APPLIANCE		
OAD C	LASSIF	CATION		CONNE	CTED LOAD		DEMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL TOTALS		
IGHTIN	IG				0 VA		0.00%		0	VA					
RECEP'	FACLE				0 VA		0.00%		0	VA			TOTAL CONN. LOAD: 0 VA		
MOTOR					0 VA		0.00%		0	VA	\neg		TOTAL EST. DEMAND: 0 VA		
QUIPN					0 VA		0.00%			VA			TOTAL CONN. CURRENT: 0 A		
EATIN					0 VA		0.00%		0	VA		TOTAL E	ST. DEMAND CURRENT: 0 A		
кпсне	N				0 VA		0.00%			VA			CAPACITY: 400 A		
					0 VA		0.00%		0	VA	\neg		SPARE CAPACITY: 400 A		

NOTES														•	
		Branch Panel: PP1											NORMAL	POWER	
		MANUFACTURER AND TYPE: SQUARE DINF						480/277 W	/ye				SPD:		
		INSTALLED: Electrical Upgra DEMOLISHED: None	des				PHASES: WRES:				F	EED-TH	HROUGH LUGS: X MOUNTING: SURFACE	-	
		BUS RATING: 225 A					GROUND:						ENCLOSURE: NEMA 1	-	
		AIC RATING: 35000 A					MAIN CB:						SUPPLY FROM: DB1		
HIETO	MIZATIO	we.													
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES	TRIP	LOAD DESC		NOTE
	3	FAN COIL UNIT 3, 5, 6	15 A	3	0 VA	0 VA	D.VA	0 VA	-	-			FAN COIL UNIT	2	4
	5	PAR COLUMN 3, 5, 6	10 /	3			OVA	UVA	0 VA	0 VA	1 '	10 A	PAIN COIL GIVII	6	-
	7				0 VA	0 VA					1	20 A	LIGHTING	8	\pm
	9	RM 1000 UNIT #2 FCU-1, 2, 4	15 A	3			0 VA	0 VA			1	20 A	LIGHTING	10	
_	11		_		0 VA	0 VA	_	-	0 VA	0 VA	1	20 A	VESTIBULE HEAT SPARE	12	
	15	SPARE	20 A	3	UVA	UVA	0 VA	0 VA		_	1	20 A	CAN LIGHTS	16	
	17								0 VA	0 VA				18	
	19	SPACE		- 1		0 VA					3	20 A	SPARE	20	
_	21	SPACE SPACE		1			-	0 VA			1		SPACE	22	
_	25	SPACE		1	-	-			-	-	1		SPACE	26	
	27	SPACE		- 1			-				1		SPACE	28	
	29	SPACE		- 1						-	1		SPACE	30	
_	31	SPACE SPACE		1		-	-			-	1		SPACE SPACE	32 34	
_	35	SPACE SPACE		1			-	-	-	-	H		SPACE	34	
	- 00	911100		L LOAD:		VA	- 0	VA		VA	_		017100		
			TOTA	L AMPS:	0	A		I A) A					
TG-H					RCPT - REG LTG - LIGH (E) - EXISTI	TING						MTR - N KTN - K	WOTOR STCHEN APPLIANCE		
		ICATION	$\overline{}$		CTED LOAD		DEMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL	TOTALS	_
GHTI	4G				0 VA		0.00%		0	VA					
	TACLE				0 VA		0.00%			VA			TOTAL CONN. LOAD:		
OTOR			\perp		0 VA		0.00%			VA	_		TOTAL EST. DEMAND:		
QUIPN	rENT .				0 VA		0.00%		0	VA	- 1	1	TOTAL CONN. CURRENT:	IO A	

custor	WIZATIO	Branch Panel: L MANUFACTURER AND TYPE: - INSTALLED: Electrical Up DEMOLISHED: None BUS RATING: 229 A AIC RATING: 10000 A DNS:	grades				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		ı		NORMAL SPD: ROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM:			
VOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		4		R		С	POLES	TRIP	LOAD DESC	RIPTION CI	кт	NOTE
	1	SPACE SESSION TION	1101	1	-	ì .		ĭ		ĭ	1		SPACE		2	-
	3	SPACE	-	1					_	_	1		SPACE		4	-
-	5	SPACE	-	1		_			-	-	1		SPACE		6	-
	7	EXISTING EQUIPMENT	20 A	1	OVA	DVA	_				1		EXISTING EQUIPMENT		В	-
_	9	EXISTING EQUIPMENT	20 A	1	- 771	3 1/1	0 VA	0 VA			i		SPARE		10	-
_	- 11	EXISTING EQUIPMENT	20 A	1			1 710	- 1/1	0.VA	0 VA	1	20 A	SPARE		12	-
_	13	EXISTING EQUIPMENT	20 A	1	0 VA	D.VA			1	2.171	1		EXISTING EQUIPMENT		14	-
_		EXISTING EQUIPMENT	20 A	1	V III	UVA	0 VA	0 VA		_	1		EXISTING EQUIPMENT		16	_
		EXISTING EQUIPMENT	30 A	1		_	0.171	0.111	0 VA	D.VA.	1		EXISTING EQUIPMENT		18	-
_	19	SPARE	20 A	1	0 VA	0 VA	_		0.111	0 177	i		SPARE		20	-
_	21	SPARE	20 A	1	UVA	UVA	0 VA	O.VA	_	_	1	20 A	SPARE		22	-
-	23	SPARE	20 A	1		_	01/1	0.111	0.7/4	0 VA	i	20 A	SPARE		24	-
_	25	SPARE	20 A	1	0.VA	0 VA			UVA	0.44	1	20 A	SPARE		26	_
	27	SPARE	20 A	1	V III	0.00	0 VA	0 VA	_	_	i		SPARE		28	-
_	29	SPARE	20 A	1		_	UVA	VIA	0 VA	0 VA	1		SPARE		30	_
-	31	EXISTING EQUIPMENT	20 A	1	OVA	DVA	_		9 777	0.171	1		EXISTING EQUIPMENT		32	-
-	33	SPARE	20 A	1			0 VA	-	_	_	1		SPACE		34	-
	35	SPARE	20 A	1		_	0.00		D.VA	-	1		SPACE		36	-
	37	SPARE	20 A	1	0 VA		_			_	1		SPACE		38	-
	39	SPACE	-	1						1	1		SPACE		40	_
	41	SPACE	-	1		_	_	_		-	1		SPACE		42	-
	-71	OT PICE		LOAD:	0	VA.	- 0	VA	-	VA.			IN AGE		4.5	_
				L AMPS:	-			IA.		DA.	,					
TG - H	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING NG LOAD						MTR - M KTN - K	ITCHEN APPLIANCE			
		FICATION			CTED LOAD		DEMAND FAC	TOR		ED DEMAND			PANEL 1	OTALS		
GHTIN			_		0 VA	_	0.00%	\rightarrow		VA	-					
ECEP.			_		0 VA	_	0.00%	_		VA.	_		TOTAL CONN. LOAD:			
OTOR			_		0 VA	_	0.00%	$\overline{}$		VA	-	_	TOTAL EST. DEMAND:			
QUIPM			_		0 VA	_	0.00%	_		VA.	-		OTAL CONN. CURRENT:			
EATIN			_		0 VA	_	0.00%	_		VA	_	DIALE	ST. DEMAND CURRENT:			
TCHE	N		_		0 VA	_	0.00%	$\overline{}$		VA	-		CAPACITY:			
					0 VA		0.00%			IVA.			SPARE CAPACITY:			

		Branch Panel: H1F MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOUSHED: None BUS RATING: 250 A AIC RATING: 35000 A					VOLTS PHASES WIRES GROUND MAIN CB	: 4 : X	ye		F		NORMAL SPD: IROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB1			
CUSTOR																
NOTES		LOAD DESCRIPTION	TRIP	POLES		Α		В		¢ .	POLES	TRIP	LOAD DESC	CRIPTION	CKT	NOTE
- 1	3	T-I B1	45 A	3	0VA	0 VA	0 VA	OVA	_	_			PUMP SKID		2	4
ł	5	I-LB1	45 A	3		_	UVA	UVA	OVA	n va	3	80 A	PUMP SKID		6	-
-	7	SPACE	-	1	-	0.VA	_	_	UVA	UVA					8	+
	9	SPACE	-	1		0 171	-	OVA	_	_	3	15 A	UNIT HEATER		10	1
	11	SPACE	-	1			_		-	0 VA	1 1				12	1
	13	SPACE		1		-					1		SPACE		14	_
-	15	SPACE	-	1			-				1		SPACE		16	-
	17	SPACE	-	1						-	1		SPACE		18	
	19	SPACE	-	1	-	-					1		SPACE		20	т
	21	SPACE		1			-				1		SPACE		22	
	23	SPACE		1							1		SPACE		24	
$\overline{}$	25	SPACE		1							1		SPACE		26	_
_	27	SPACE		1			-				1		SPACE		28	_
	29	SPACE		1		VA		VA	-	VA -	1		SPACE		30	_
				L LOAD:				14		A .	J					
ITG - H	CATED EATING QUIPM	FULLY BUSSED SPACE TO BE PROVIDED			RCPT - REC LTG - LIGH (E) - EXISTI	TING NG LOAD	DEMAND FA	CTOR	ESTIMATE	D DEMAND		MTR - I KTN - F	WOTOR STCHEN APPLIANCE PANEL	TOTALS		
.IGHTIN					0 VA		0.00%			VA						
RECEPT	FACLE		-		0 VA	\neg	0.00%		0	VA	\neg		TOTAL CONN. LOAD:	0 VA		
MOTOR					0.VA		0.00%			VA			TOTAL EST. DEMAND:			
EQUIPM					0 VA		0.00%			VA			TOTAL CONN. CURRENT:			
HEATIN					0 VA	-	0.00%			VA		TOTAL	EST. DEMAND CURRENT:			
KITCHE!	N				0 VA		0.00%			VA.			CAPACITY:			
					0 VA		0.00%			VA			SPARE CAPACITY:			





Shi SSC Lak	TERRICA Nor - Ba D.S. Wa Invocol, I 985-801	ucom E devioră 20 802	Blvd. S	ing & Cor uite 600	sulting
Arc 2 K Det	nitectura starsath ser, CO -788-17	Works Street 80223	hop		

SBEC Project #: Scale:	210032
Drawn By:	JR
Designed By:	JRWOR
Checked By:	ADRIJE

Issued For: 100% CONSTRUCTION	Date: 12/01/2023

		Branch Panel: HSM MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AC RATING: 14000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		F		NORMAL POWER SPD: BROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: D81		
CUSTO	MIZATIO	ons:													
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α		В		С	POLES	TRIP	LOAD DESCRIPTION	СКТ	NOTE
	1				0 VA	0 VA								2	_
		RAMP SNOW HEATERS	30 A	3			0 VA	0 VA			3	30 A	RAMP SNOW HEATERS	4	
	5								0 VA	0 VA				6	
	7				0 VA	0 VA								8	_
		RAMP SNOW HEATERS	30 A	3			0 VA	0 VA			3	30 A	RAMP SNOW HEATERS	10	4
_	11		-				_		0 VA	0 VA				12	-
	13				O VA	0 VA					2	20 A	SPARE	14	4
		RAMP SNOW HEATERS	30 A	3		-	0 VA	0 VA			-			16	-
	17		_						0 VA	-	1		SPACE	18	+
_		SPACE	-	1			_				1		SPACE	20	+-
_		SPACE		1		_	-		_		1		SPACE	22	+-
		SPACE		1					-	-	1		SPACE		_
_		SPACE		1			_				1		SPACE	26	-
		SPACE		1			-				1	**	SPACE	28	_
_		SPACE	-	1		-	-			-	1		SPACE SPACE	30	+-
		SPACE		1			_				1			32	+
_		SPACE	-	1		_					1		SPACE	34	+-
		SPACE		1			_			-	1		SPACE	36	+-
		SPACE		- 1		-	_				1		SPACE	38	_
		SPACE		1						_	1		SPACE	40	_
	41	SPACE		1							1	**	SPACE	42	
				L LOAD:		VA		VA.		VA	ı				
LEGENI			IUIA	L AMPS:		JA.		A		A					_
"" INDI HTG - H EQP - E	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD						MTR - N KTN - K	ITCHEN APPLIANCE		
		ICATION			CTED LOAD		DEMAND FAC	TOR		D DEMAND			PANEL TOTALS		
LIGHTIN			$ \Box$		0 VA		0.00%	$\overline{}$		VA					
RECEP.					0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA		
MOTOR			-		0 VA	-	0.00%	$\overline{}$		VA			TOTAL EST. DEMAND: 0 VA		
					0 VA		0.00%			VA			TOTAL CONN. CURRENT: 0 A		
HEATIN			-		0 VA	-	0.00%	$\overline{}$		VA		TOTAL E	ST. DEMAND CURRENT: 0 A		
КІТСНЕ	¥				0 VA	_	0.00%			VA			CAPACITY: 100 A		
(E)			OVA				0.00%		0 VA		SPARE CAPACITY: 100 A				

custor	WIZATIO	Branch Panel: H1A MANUFACTURER AND TYPE: SQUARE 0 IN INSTALLED: Empirical Upg DEMOLISHED: None BUS RATING: 35000 A AIC RATING: 35000 A					PHASES WIRES GROUND	VOLTS: 480/277 Wye PHASES: 3 WIRES: 4 GROUND: X MAIN CB:			NORMAL POWER FEED-THROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: 0B1				
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α		В	_	c	POLES	TRIP	LOAD DESCRIPTION	СКТ	NOTE
		LIGHTING LOBBY	20 A	1	0 VA	Î OVA		Ť	_	Ť	1		TIME CLOCK #3	2	+
-		LIGHTING LOBBY	20 A	1	9.111	0.17	OVA	0 VA	_		1	20 A	TIME CLOCK #3 & DOCK LIGHTS	4	+
-		LIGHTING ELEC AND TELEPHONE RM	20 A	1		_	0111	0 111	0.VA	0.04	1	20 A	SPARE	- 6	+
_	7	SPARE	20 A	1	0 VA	0 VA		1		0.01	1	20 A	SPARE	8	+
-		EXISTING LOAD	20 A	1	0.471	0.47	OVA	0 VA	_		1	20 A	SPARE	10	+
		LOBBY COVE LIGHTS	20 A	1					0 VA	0 VA	1	20 A	SPARE	12	
-		SPARE	20 A	1	0 VA	0 VA			0.471	0.171	1	20 A	SPARE	14	
_		SPARE	20 A	1	- 177	1 017	0.04	0 VA			1	20 A	SPARE	16	
_	17	SPARE	20 A	1			017	- VVA	0 VA	0 VA	1	20 A	SPARE	18	
_	19	SPARE	20 A	1	0 VA	0 VA	_		0 1/1	01/4	-	LUM	OF PARE	20	
_	21	SPARE	20 A	1	0.44	0.47	OVA	D.VA	_	_	3	20.4	(E) EQUIP	22	
-		SPARE	20 A	1	_	_	01/4	0 9 / 1	0 VA	0 VA	- "	20 /	(E) Eduir	24	
_	25	SPARE	20 A	1	DVA	0 VA	_	-	0.44	UIA		_		26	
-	27	1110 LIGHTS	20 A	1	UVA	0 47	OVA	0 VA	_	_	3	20.4	HEATER LOADING DOCK/STORE RO		
_	29	SPARE	20 A	1	_	_	UIA	0.111	0 VA	0 VA	4 ° I	LUA	TEXTER EGRENING EGGREGATORE NO	30	
_	31	SPACE	200	1	-	0 VA	_		0 VA	UIA		_		32	
_		SPACE	-	1		0 07	-	0 VA	_	_	3	70 A	ROOM 150 LIGHTS/FAN COIL	34	
_	35	SPACE		1	_	_	-	0.44	-	0.VA	1 1	10 A	NOOM 130 EGIT SIT AN COLE	36	
_	37	SPACE	1	1		0 VA	_			UVA	1	20 A	SPARE	38	
_	39	SPACE		1		UVA	-	0 VA	_	_	1	20 A	SPARE	40	
_	41	SPACE		1		-		OVA	_	0 VA	1	20 A	SPARE	40	
	41	SPACE		L LOAD:		_	_		-		1	20 A	SPARE	42	
				L LOAD:		VA I A		VA NA		VA LA	J				
TG - H QP - E	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAI	D						MOTOR ITCHEN APPLIANCE		
		FICATION	_		CTED LOAD	,	DEMAND FAI	JUK		D DEMAND	_		PANEL TOTALS		
IGHTIN			_		0 VA	_	0.00%	$\overline{}$		VA	-				
RECEPT			_		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD: 0 VA		
MOTOR			_		0 VA	_	0.00%	_		VA	-	_	TOTAL EST. DEMAND: 0 VA		
QUIPN			_		0 VA	_	0.00%	_		VA	-		FOTAL CONN. CURRENT: 0 A		_
HEATIN					0 VA		0.00%			VA		TOTAL	ST. DEMAND CURRENT: 0 A		
STCHE	N		_		0 VA	_	0.00%	$\overline{}$		VA	_		CAPACITY: 225 A		
E)					0 VA		0.00%			VA			SPARE CAPACITY: 225 A		

usto	MIZATIO	Branch Panel: H1BA MANUFACTURER AND TYPE: SOUARSE INSTALLED: FOU Ropal DEMOLISHED: None BUS BATING: 225 A AIC RATING: 14000 A ONS:	NE				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		ı		NORMAL POWER SPD: ROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB1		
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		_		В		c	POLES	TOLO	LOAD DESCRIPTION	СКТ	NOTE
101110	1	EXISTING EQUIPMENT	20 A	1	0.VA	T OVA	_	-	_	<u> </u>	TOLES		EXISTING EQUIPMENT	2	11011
	3	SPARE	20 A	1	UIA	UVA	D.VA	0 VA	_	_	+	20 A	SPARE	1	+
_	5	EXISTING EQUIPMENT	20 A	1	_	_	0 VA	UVA	0 VA	0 VA	Ť	20 A	SPARE	6	-
_	7	EXISTING EQUIPMENT	20 A	H÷.	0.VA	0 VA	_	_	UVA	UVA	-	20 A	SPARE	8	-
_	9	EXISTING EQUIPMENT	20 A		UVA	UVA	0 VA	0 VA	_	_	3	475.	T-ANNEX	10	LSI
_	11	HEATERS ENTRY WINDOW	20 A	1			UVA	U VA	0.VA	0 VA	3	175 A	I-MINISTA	12	- I LSI
_	13			1	O.VA	O.VA	_	_	UVA	UVA	-	_		14	-
_	15	HEATERS ENTRY WINDOW LIGHTS 1ST FLOOR	20 A	1	UVA	JVA	0 VA	0 VA			3		SPARE	16	-
_	15			1		-	UVA	UVA	O.VA	D.VA	3	20 A	SPARE	18	-
_	19	SPARE	20 A		0.04	0.7/4	_		UVA	UVA	-			20	-
		SPARE	20 A	1	UVA	UVA	_				1	20 A	SPARE SPARE		_
_	21	SPARE	20 A	1		-	0 VA	0 VA	_	_	1	20 A		22	+-
	23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24	_
_	25	SPARE	20 A	1	0 VA	0 VA	_				1	20 A	SPARE	26	+-
	27	2ND FLOOR FEED	30 A	2			0 VA	0 VA			1	20 A	SPARE	28	-
	29								0 VA	0 VA	1	20 A	SPARE	30	
	31				0 VA	0 VA								32	4
	33	FAN COIL 1ST FLOOR	20 A	3			0 VA	0 VA			3	15 A	EXISTING EQUIPMENT	34	4
	35								0 VA	0 VA				38	-
	37			1	O VA	0 VA								38	
	39	SPARE	40 A	3			0 VA	0 VA			3	15 A	EXISTING EQUIPMENT	40	1
	41								0 VA	0 VA				42	
			TOTA	L LOAD:	0	VA	0	VA	0	VA					
			TOTA	L AMPS:		ı.A.		A		A					
TG - H					RCPT - REI LTG - LIGH (E) - EXIST	TING						MTR - I	WOTOR BITCHEN APPLIANCE		
OAD C	LASSIF	FICATION		CONNE	CTED LOAD		DEMAND FAC	TOR	ESTIMATE	D DEMAND	\neg		PANEL TOTALS		
IGHTIN					0 VA	\neg	0.00%			VA					
ECEP.	TACLE				0 VA		0.00%		0	VA	\neg		TOTAL CONN. LOAD: 0 VA		
OTOR					0 VA	\neg	0.00%		0	VA			TOTAL EST. DEMAND: 0 VA		
QUIPM	PMENT 0 VA TING 0 VA				0 VA		0.00%		0	VA			TOTAL CONN. CURRENT: 0 A		
EATIN					0 VA		0.00%		0	VA	_	TOTAL I	EST. DEMAND CURRENT: 0 A		
псне	N				0 VA		0.00%		0	VA			CAPACITY: 225 A		
				O VA			0.00%		DVA		SPARE CAPACITY: 225 A SPARE CAPACITY: 225 A				

custo	MIZATIO	Branch Panel: L1BC MANUFACTURER AND TYPE: SIQUARED IN MINTALLED: Electrical Upgr DEMOLISHED: None BUS RATING: None AUC RATING: 10000 A ONS:					VOLTS PHASES WIRES GROUND MAIN CB	4 X	ve		F		NORMAL POWER SPD: SPD: SPD: HROUGH LUIGS: X MOUNTING: SURFACE ENCLOSURE: NEWA-1 SUPPLY FROM: DBP1		
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		R		С	POLES	TRIP	LOAD DESCRIPTION	CKT	NOTE
	1	COND DESCRIPTION	1101	1 OLLO	0 VA	1 ov		ĭ		ř –				2	+
	3	ONC MACHINE	100 A	3			OVA	0 VA		1	2	50 A	NE WELDING RECEPT.	4	1
	- 5			1					0 VA	OVA	1	20 A	RECEPTACLES	6	-
	7				0 VA	0.0					1	20 A	RECEPTACLES	- 8	T
	9	DUST COLLECTOR	30 A	3			0 VA	0 VA						10	_
	11	1	1						0 VA	0 VA	2	90 A	WELDER	12	1
	13				0 VA	0 V					1	20 A	CEILING RECEPTACLE	14	-
	15	AIR COMPRESSOR	50 A	3			0 VA	0 VA			2	50 A	TABLE SAW	16	1
	17	1							0 VA	0 VA	1 2	50 A	TABLE SAW	18	1
	19	RECEPTACLES	20 A	1	0 VA	0 V.	1				1	20 A	RECEPTACLES - WEST	20	-
	21	RECEPTACLES	20 A	1			0 VA	0 VA			1	20 A	RECEPT, ADJACENT TO CNC CONTROL PNL	22	1
	23	EXISTING EQUIPMENT	20 A	1					0 VA	0 VA	1	20 A	RECEPT, CEILING CNC	24	-
	25	NORTH ROOM WELDING RECEPT.	50 A	2	0 VA	0 V.					1	20 A	CNC RECEPT, NORTH, LOW	26	T
	27	NORTH ROOM WELDING RECEPT.	50 A	2			0 VA	0 VA			1	20 A	CNC RECEPT. NORTH, HIGH	28	\top
	29		50 A	2					0 VA	OVA	1	20 A	EXISTING EQUIPMENT	30	-
	31	PLASTER AREA WELDING RECEPT.	50 A	2	0 VA						1		SPACE	32	T
	33	SPACE		1				-			1		SPACE	34	-
	35	SPACE	-	1						-	-	-	SPACE	36	Т
	37	SPACE		1							1		SPACE	38	
	39	SPACE		1			-				-1		SPACE	40	T
	41	SPACE		1							1		SPACE	42	-
			TOTA	L LOAD:	0	VA	0	VA		VA				•	
			TOTA	L AMPS:		I.A.) A) A					
HTG - H		FULLY BUSSED SPACE TO BE PROVIDED 3 ENT			RCPT - REG LTG - LIGH (E) - EXIST	TING						MOTOR KITCHEN APPLIANCE			
		ICATION			CTED LOAD)	DEMAND FA	CTOR		ED DEMAND			PANEL TOTALS		
IGHTIN		<u> </u>	$-\Gamma$		0 VA	T	0.00%			VA					
RECEP'					0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA		
MOTOR			-		0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA		
					0 VA		0.00%			VA			TOTAL CONN. CURRENT: 0 A		
HEATIN			$ \square$		0 VA	-T	0.00%			VA	\Box	OTAL E	EST. DEMAND CURRENT: 0 A		
KITCHE	N .				0 VA		0.00%			VA			CAPACITY: 250 A		
E)					0 VA		0.00%			VA			SPARE CAPACITY: 250 A		





ELECTRICAL: Shaffer - Bascom Engineering & Consulting 3500 S. Washworth Brist Suite 600 Lehencot, CO 90226	-
300-989-8000 ARCHITECT: Architectural Workshop 2 Kalamash Street Denner, CO 80223 300-789-1717	

SBEC Project #:	210032
Scale: Drawn Bv:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

custo	MIZATIO	Branch Panel: L1BA MANUFACTURER AND TYPE: SOLUMED IN: INSTALLED: FOU Repalem DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A DNS:	PMASS: 3 WRES: 4 GROUND: X MAIN CB:									SPD: FEED-THROUGH LUGS: XURFACE MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: CBP1					
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ	_	R	_	c	POLES	TRIP	LOAD DESC	RIPTION	скт	NOTES	
	1	LIGHT CLOSET OUTLET RECEPT.	30 A	1	0.VA	ï -		Ī			1		SPACE		2	_	
	3	103, 104 RECEPT.	20 A	- 1			0 VA				1		SPACE		4	$\overline{}$	
	5	LIGHT CLOSET EQUIPMENT	20 A	1					OVA	-	1	-	SPACE		6	-	
	7	2ND FLOOR POWER	20 A	1	0.VA	0.VA	_				1	20 A	SPARE		8	-	
	9	2ND FLOOR POWER	20 A	1			0 VA	0.04		_	1	20 A	103 DOOR OP/RECEPT.		10	-	
	11	2ND FLOOR POWER	20 A	1		_			OVA	D.VA	-	30 A	EXISTING EQUIPMENT		12	-	
	13	NE FAN COIL UNITS	30 A	1	OVA	OVA			- "	- "	1	20 A	EXISTING EQUIPMENT		14	-	
	15	SPARE	20 A	1	- 1/1		0 VA	0 VA	1		1	20 A	EXISTING EQUIPMENT		16	-	
_	17	BATH LIGHTS/POWER	20 A	1		_		1 310	0 VA	DVA	1	20 A	EXISTING EQUIPMENT		18	-	
_	19	104 TOOL STORE/IT LIGHTS	20 A	l i	0 VA	0 VA	_		V 1/A	- vn	1	20 A	EXISTING EQUIPMENT		20	-	
	21	EXISTING EQUIPMENT	20 A	1	UIA	0.44	0.VA	0 VA		_	1	20 A	EXISTING EQUIPMENT		22	-	
_	23	FAN CONTROLLER BOXES	20 A	1	_		0 VA	UVA	0 VA	0 VA	1	20 A	EXISTING EQUIPMENT		24	-	
_	25			H-i	0.VA	OVA		_	UVA	UVA	-	20 A	EXISTING EQUIPMENT		26	-	
_		WATER HEATER, N BATH	20 A		UVA	UVA			_	-						-	
	27	EXISTING EQUIPMENT	20 A	1			0 VA	0 VA			1	20 A	102 CORE RECEPT.		28	-	
_	29	SPARE	20 A	1			_	-	0 VA	0 VA	1	20 A	EXISTING EQUIPMENT		30	-	
	31	SPARE	20 A	- 1	0 VA	0 VA					1	40 A	EXISTING EQUIPMENT		32	-	
	33	CONTACTOR	20 A	- 1			0 VA	0 VA			1	20 A	EXISTING EQUIPMENT		34	_	
	35			1					0 VA	0 VA	- 1	40 A	EXISTING EQUIPMENT		36		
	37	WATER HEATER BATHS	20 A	3	AV 0	0 VA					1		EXISTING EQUIPMENT		38		
	39						0 VA	0 VA			1	20 A	EXISTING EQUIPMENT		40		
	41	SPACE		1						0 VA	- 1	20 A	EXISTING EQUIPMENT		42		
	43	(E) EQUIP	20 A	- 1	0 VA	0 VA					1	20 A	SPARE		44		
	45	SPACE		1			-	0 VA			- 1	20 A	SPARE		46		
	47	SPACE	-	- 1					-	0 VA	- 1	20 A	SPARE		48	$\overline{}$	
	49	SPACE	-	- 1		0 VA					- 1	20 A	SPARE		50		
	51	SPACE	-	1			-	0 VA			1	20 A	SPARE		52	$\overline{}$	
	53	SPACE	-	1						0 VA	1	20 A	SPARE		54	$\overline{}$	
			TOTA	L LOAD:		VA.	0	VA	0	VA.							
			TOTA	L AMPS:) A		I A		A	-						
TG - H	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	ITING ING LOAD						MTR - M	OTCHEN APPLIANCE				
		CATION	_		CTED LOAD	,	DEMAND FAC	IUK		D DEMAND	-		PANEL '	UIALS		_	
IGHTIN			_		0 VA	_	0.00%			VA	-		TOTAL COURT LTTT	0114			
			_		0 VA	_	0.00%	_		VA	-		TOTAL CONN. LOAD:				
OTOR			_		0 VA	_	0.00%			VA	-		TOTAL EST. DEMAND:				
QUPM			-		0 VA	_	0.00%	_		VA	-		TOTAL CONN. CURRENT:				
EATIN			_		0 VA	_	0.00%			VA	_	TOTAL	EST. DEMAND CURRENT:				
TCHE	N				0 VA		0.00%			VA			CAPACITY:				
E)					0 VA		0.00%		0	VA			SPARE CAPACITY:	50 A			
(OTES:																	

		Branch Panel: L1C MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Electrical Upgra DEMOLSHED: Norne BUS RATING: 225 A AC RATING: 10000 A	des				VOLTS PHASES WIRES GROUND MAIN CB	: 4 : X	/ye		,		NORMAL POWER SPD: IROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM:		
CUSTOR	MIZATIO	DNS:													
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES		LOAD DESCRIPTION		NOTE
	1	CATERING	20 A	- 1	0 VA	0 VA					1	20 A	1300G FREEZER	2	
	3	CATERING	20 A	- 1			0 VA	0 VA			1		HEAT TRACE	4	_
\rightarrow	5	TELE, SYSTEM	20 A	1			_	_	0 VA	0 VA	1		DISPOSER/DISHWASHER	- 6	-
	7	RECEPT. BREAK COUNTER	20 A	- 1	0 VA	0 VA					1	20 A	RECEPT, CEILING	8	
	9	RECEPT. BREAK COUNTER	20 A	- 1			0 VA	0 VA			1	20 A	RECEPT. CEILING	10	T
\neg	11	EXISTING HVAC	20 A	- 1					0 VA	0 VA	1	20 A	RECEPT, CONFERENCE ROOM	12	$\overline{}$
\neg	13	REFRIGERATOR	20 A	- 1	O VA	0 VA								14	$\overline{}$
	15	RECEPT, CEILING	20 A	-1			0 VA	0 VA			2	30 A	RECEPT. L14-30R	16	7
\neg	17	RECEPT, OPEN SPACE	20 A	1					OVA	0 VA	1	20 A	RECEPT, CEILING	18	-
	19	RECEPT, OFFICE 110C/D	20 A	1	0.VA	0.VA			210	- **	-		RECEPT, CEILING	20	+
-	21	RECEPT, OFFICE 100B/D	20 A	1	V 1/A		0 VA	OVA	_		1	20 A	RECEPT, CEILING	22	+
-	23	RECEPT. OFFICE/STUDIO	20 A	1		_	UVA	UVA	0 VA	0 VA	1	20 A	RECEPT CEILING	24	_
\rightarrow		RECEPT, OFFICE/STUDIO					_	-	UVA	UVA			RECEPT, CEILING 100A	26	-
_	25		20 A	1	0 VA	0 VA				_	1	20 A	RECEPT. CEILING 100A		-
-	27	SPARE	20 A	- 1		_	0 VA	0 VA			2	20 A	OFFICE 100A L14-20R	28	4
- 1	29	OFFICE 100 L14-20R	20 A	2					0 VA	0 VA	-			30	_
	31	011100 100011 0011	2011		AV 0	0 VA					1		MAIN ENT. A	32	
	33	RECEPT, CEILING 100A	20 A	2			0 VA	0 VA			1		HVAC 354	34	
- 1	35	RECEPT. CEIDING TOUR	20 A	- 2					0 VA	0 VA	1	20 A	SPARE	36	-
	37				0 VA	-					1		SPACE	38	
1	39	EXISTING EQUIPMENT	50 A	3			0 VA	0 VA			1	20 A	RECEPT, CEILING	40	-
- 1	41					_		_	OVA	-	1		SPACE	42	+
-	43	SPARE	20 A	- 1	0 VA	-	_	_	0.11	_	1		SPACE	44	-
_	45	SPARE	20 A	1	01/4		0 VA	_	_	_	1		SPACE	46	-
-	47	SPARE		1		_	UVA	-	0.VA	-	1		SPACE	48	-
\rightarrow			20 A				_	-	UVA	-					-
_	49	SPARE	20 A	1	O VA			_			1	**	SPACE	50	_
\rightarrow	51	SPARE	20 A	- 1			0 VA				1		SPACE	52	-
	53	SPARE	20 A	1					0 VA	-	1		SPACE	54	
			TOTA	L LOAD:	0	VA	0	VA	0	VA					
			TOTAL	L AMPS:		i A) A		IA.					
TG - H	CATED EATING DUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD						MTR - N KTN - K	ITCHEN APPLIANCE		
		ICATION			CTED LOAD		DEMAND FA	CTOR		D DEMAND			PANEL TOTALS		
IGHTIN	G				0 VA		0.00%		0	VA					
RECEPT	ACLE				0 VA		0.00%		0	VA			TOTAL CONN. LOAD: 0 VA		
MOTOR			\neg		0 VA		0.00%		0	VA	\neg		TOTAL EST. DEMAND: 0 VA		
QUIPM	ENT				0 VA		0.00%		0	VA		-	TOTAL CONN. CURRENT: 0 A		
EATIN			_		0 VA		0.00%			VA	_		ST. DEMAND CURRENT: 0 A		
CITCHE			_		0 VA	-	0.00%			VA	_		GAPACITY: 100 A		
E)	_		_		0 VA		0.00%			VA	_		SPARE CAPACITY: 100 A		
OTES:					V 1/4		3.00%			***			OF PART OF MOTTE 100 X		

CUSTON	NZATIC	Branch Panel: L1BB MANUFACTURER AND TYPE: — INSTALLED: Blooked Upgn DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A DINS:	ades				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	/yo				NORMAL SPD: IROUGH LUGS: X MOUNTING: SURFACI ENCLOSURE: NEMA 1 SUPPLY FROM: DBP1			
OTES	CKT	LOAD DESCRIPTION	TOID	POLES	_		_	R	_	r.	POLES	TRIP	LOAD DESC	PRINTION	СКТ	NOTES
0120		SPACE ECAD DESCRIPTION	INF	1	-	I OVA	_	1	_	_	1		SPARE	MITION	2	HOIL
_	3	SPACE	-	1	_	0.171	-	D.VA	_	_	1	20 A	101 RECEPT., TV		4	+
-		SPARE	20 A	1		_	_	0.111	0 VA	0 VA	1		SPARE		6	-
_	7		-	_	0 VA	0.VA	_				1		POWER 2ND FLOOR		8	_
- 1	9	POWER 2ND FLOOR SW	20 A	2			0 VA	0 VA	_		1		SPARE TO IT CLOSET		10	-
_	11	POWER 2ND FLOOR SW	20 A	1			_	· ·	0 VA	0 VA	1		SPARE TO IT CLOSET		12	
_		BIKE KIOSK OUTSIDE	20 A	1	0 VA	0 VA			1	- "	1		POWER 2ND FLOOR NW		14	-
\neg		SPARE	20 A	1			0 VA	0 VA			1		POWER 2ND FLOOR NW		16	
\neg	17	POWER 2ND FLOOR NE	20 A	1					0 VA	0 VA	- 1	20 A	SPARE		18	
\neg	19	101 SIGN FEED	20 A	1	0 VA	0 VA			1		- 1	20 A	103 CORD REEL SW		20	-
\neg	21	SPARE	20 A	1			0 VA	0 VA			-1	20 A	SPARE		22	
\neg	23	SPACE	-	1					-	0 VA	1	20 A	102 CORD REEL		24	
_	25	SPACE		1	-						-1		SPACE		26	
\neg	27	103 CORD REEL SE	20 A	1			0 VA				- 1		SPACE		28	
\neg	29	SPACE	-	1					-		1	-	SPACE		30	
\neg	31	SPACE		1	-	0 VA					-1	20 A	SPARE		32	
\neg	33	SPACE	-	1				0 VA			- 1	20 A	SPARE		34	
	35	SPACE	-	1					-	0 VA	- 1	20 A	SPARE		36	
\neg	37	SPACE	-	1	-	0 VA					1	20 A	SPARE		38	
\neg	39	SPACE		-1				0 VA			-1	20 A	SPARE		40	
\neg	41	SPACE		1						0 VA	1	20 A	SPARE		42	-
				LOAD:		VA		VA		VA		•				
			TOTAL	AMPS:	- 0	A		IA.		A						
G - H					RCPT - REI LTG - LIGH (E) - EXIST	TING						MTR - A KTN - K	NOTOR ITCHEN APPLIANCE			
		ICATION			CTED LOAD		DEMAND FAC	TOR		D DEMAND			PANEL '	TOTALS		
					0 VA		0.00%			VA						
CEPT	ACLE	The state of the s			0 VA		0.00%			VA			TOTAL CONN. LOAD:			
TOR					0 VA		0.00%			VA			TOTAL EST. DEMAND:			
UIPM					0 VA		0.00%			VA			OTAL CONN. CURRENT:			
ATIN					0 VA	-	0.00%			VA		TOTAL E	ST. DEMAND CURRENT:			
TCHE	4				0 VA	_	0.00%			VA	_		CAPACITY:			
TOHEN				0 VA			0.00%		VA			SPARE CAPACITY:				

custo	MIZATIO	Branch Panel: H1C MANUFACTURER AND TYPE: SQLARED IN INSTALLED: Bledsted Upon DEMOLISHED: None BUS RATING: 225 A AC RATING: 14000 A			VOLTS PHASES WIRES GROUND MAIN CB	4 X	'ye	NORMAL POWER PED-THROUGH LUGS X MOUNTING SUPFACE ENCLOSURE: NEAM 1 SUPPLY FROM: DB1								
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		R	1 c		POLES	TRIP	LOAD DESC	RIPTION	СКТ	NOTE
	1	ECHD BEGGINF FROM	11507	FULLU	0 VA	O VA		Ť		Ť	POLLO	Trair	LOAD DLOC	au non	2	
	3	HVAC #2	15 A	3			0 VA	0 VA	_		3	50 A	TRANSFORMER for PANE	1.10	4	1
	- 5			1 -					0 VA	OVA	1 -				6	1
	7				0 VA	0 VA					1	20 A	LIGHTING		8	
	9	HVAC #1	15 A	3			0 VA	0 VA							10	
	11	1							0 VA	0 VA	1 3	20 A	SPARE		12	1
	13	SPACE	-	1		0 VA			1		1				14	1
	15	SPACE	-	1			-	-			1	-	SPACE		16	
	17	SPACE	-	1					-	-	1	-	SPACE		18	
	19	SPACE	-	1	-	0 VA					1	20 A	SPARE		20	
	21	SPACE		1			-	0 VA			1	20 A	SPARE		22	
	23	SPACE	-	1					-	AV0	1	20 A	SPARE		24	
	25	SPACE		1		0 VA					- 1	20 A	SPARE		26	
		SPACE	-	1			-	0 VA			1	20 A	SPARE		28	
	29	SPACE	-	- 1						0 VA	- 1	20 A	SPARE		30	
		-		L LOAD:	0	VA	0	VA	0	VA						
			TOTA	LAMPS:		I.A.) A	. 0	I.A.						_
TG - H	CATED EATING DUIPME				RCPT - REG LTG - LIGH (E) - EXIST	TING ING LOAD			ESTIMATE		MTR - F	MOTOR KITCHEN APPLIANCE				
IGHTIN		ICATION	-		0 VA	,	0.00%	JUK		VA.	-		PANEL	IUIALS		
ECEP			_		0 VA	-	0.00%			VA VA	+		TOTAL CONN. LOAD:	0.374		
MOTOR			-		O VA	_	0.00%	_		VA	-		TOTAL EST. DEMAND:			
CUIPN			-		0 VA	_	0.00%			VA	-	_	TOTAL CONN. CURRENT:			
EATIN			-		0 VA	_	0.00%			VA	_		EST. DEMAND CURRENT:			
ITCHE			-		0 VA	_	0.00%			VA	_	TOTAL	CAPACITY:			
F)	-		_			_		_		VA	-		SPARE CAPACITY:			
	TES:				0 VA			0.00%								





ELECTRICAL: Shafter - Bascon Engineering & Consulting 3500 5: Wasteverth Brvd. Salte 500 Litelevock, CO 80236 303-989-9200
ARCHITECT: Architectural Workshop 2 Kalamath Street Denies, CO. 80223 303-785-1717

SBEC Project #: 210032 Scale: Drawn By: JR Designed By: JRMOR Checked By: ACRUE

Issued For:	Date:
100 /s CONSTRUCTION	120112023

NOTE
EXEMPTION CONCIDENCE ARE SHOWN WITH LIGHT
LIGHT WIGHT FRANK CONCIDENCE ARE SHOWN WITH LIGHT
WAS WORK REQUIRED IN THE CONTRACT IS
SHOWN BY THE AREA OF THE ACCURACY OF ANY PROPRIATION OF
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E0.33

usto	MIZATIO	Branch Panel: EHP MANUFACTURER AND TYPE: SQLIARED IN RINSTALLED: Electrical Upgra DEMOLISHED: None BUS RATING: 228 A AIC RATING: 65000 A					PHASES: WIRES: GROUND:	4	ye		EMERGENCY BRANCH SPO. NTEGRAL FEED-THROUGH LUGS: TEGRAL FEED-THROUGH LUGS: TEGRAL EMERGENE STEPACE ENCLOSUME: NEWA 1 SUPPLY FROM: ATS 2					
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES	_	Α	В		_	c	POLES	TOUR	LOAD DESC	OUT CAT	NOTE	
OILO	1	W. STAIR LIGHTS	30 A	1	0 VA	T OVA	_	-	_	_	1		E. STAIR LIGHTS	urion CKI	HOLE	
_	3	W. STAIR LIGHTS	20 A	1	UIA	UVA	0 VA	0 VA			1		8TH FLOOR LIGHTS	4	+	
_	5	W. STAIR LIGHTS	20 A	l i				UVA	OVA	0 VA	1		E. STAIR LIGHTS	- 6	+	
	7	W. STAIR LIGHTS	20 A	1	0 VA	0.VA		_	UIA	UVA	+		E. STAIR LIGHTS	8	-	
_	9	2ND STORY BUILDING LIGHTS	20 A	1	UVA	UVA	0 VA	0 VA	_	_	1		CENTER STAIR LIGHTS	10	-	
_	11	PARKING STAIR LIGHTS	20 A	1			- VA	U VA	OVA	0.VA	_	AUA	GENTLIK DIAIR LIGHTS	12	+	
_	13	PANNING STRIP DOTTO	20 A	+-	0.04	OVA			VVA	- VA	3	45.6	T-EL1	14	-	
	15	SPO	100 A	3	VYA	UVA	0 VA	0 VA	_	_	1 °	43 A	1	16	-	
	17	SPU	100 A	3	_	-	UVA	UVA	OVA	0 VA	1	20 A	2nd FLOOR EM	18	-	
_	19		-	-	0 VA	0 VA	_	_	0.44	UVA	1		SPARE	20	-	
	21	ELEVATOR #3	70 A	3	UVA	UVA	DVA	0 VA	-	_	-	20 A	SPARE	20	-	
	23	ELEVATORIIS	70 A	3		_	UVA	UVA	AVO	-	+	20 A	SPACE	22	-	
_	25		-	-	0 VA	-	_	_	UVA	-	-		SPACE	26	-	
	27	STAIR PRESSURIZATION MOTOR	40 A	3	UVA	-	0 VA	0 VA	-	_		20 A	SHOP LIGHTS	28	-	
		STAIR PRESSURIZATION MOTOR	40 A	3			UVA	UVA	OVA		1	20 A	SPACE	30	_	
_	29		-	-	OVA	-	_		OVA	-	+		SPACE	30	-	
			I		UVA					_					-	
	33	T-ELP	45 A	3		_	0 VA				1		SPACE	34	+-	
_	35		-	-			_		0 VA	-	1		SPACE	36	-	
			1		0 VA						1		SPACE	38	_	
	39	SPARE	150 A	3			0 VA			_	1		SPACE	40	_	
	41								0 VA		1	**	SPACE	42		
				L LOAD:		VA.		VA		VA	J					
TG - H	CATED EATING QUIPME		, , , , ,		RCPT - REI LTG - LIGH (E) - EXIST	CEPTACLE TING ING LOAD	AD.		0.4		MTR - KTN - I		NOTOR ITCHEN APPLIANCE PANEL T	OTAL S		
JGHTIP		TUATION	_		O VA		0.00%	IUN		D DEMAND VA	-		PANEL I	UIALO		
ECEP			-		0 VA	-	0.00%	_		VA VA	+		TOTAL CONN. LOAD:	1114		
OTOR			_		O VA	-	0.00%			VA VA	+		TOTAL CONN. LOAD: I			
			-			_		_			-	_				
QUIPN			_		0 VA	_	0.00%	_		VA	_		TOTAL CONN. CURRENT:			
EATIN			_		0 VA	_	0.00%			VA		IUIALE	ST. DEMAND CURRENT:			
TCHE	rs .		-		O VA	_	0.00%	_		VA	_		CAPACITY:			
	OHEN						0.00%		0 VA		SPARE CAPACITY					

custo	MIZATIO	Branch Panel: ELP MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 255 A AIC RATING: 10500 A DNS:					VOLTS. PHASES: WIRES GROUND MAIN CB	4 X	yo.	EMERGENCY BRANCH SPO. NITGORAL FEEDTHROUGH LUGS: X FEEDTHROUGH LUGS: X EMERGE ENCLOSURE: MEMA 1 SUPPLY FROM: T-ELP						
VOTES	СКТ	LOAD DESCRIPTION	TRIP	POLES		Δ.	_	B	т —	c	POLES	TDID	LOAD DESCRIPTION		скт	NOTE
	1	EGNE DEGGIAI TIGH		, occ	0 VA	î -		Ĭ		ř	1		SPACE	THE THOR	2	1
	3	SPD	100 A	3			0 VA				1		SPACE		4	-
	5	1							0 VA	-	1		SPACE		6	-
	7	SPARE	20 A	1	0 VA	0 VA					1	20 A	ELEV: CAR#1 LIGHT		8	$\overline{}$
	9	SPARE	20 A	1			0 VA	0 VA			1	20 A	ELEV. CAR#2 LIGHT		10	-
	11	DUCT JBOX HEATER	20 A	1					0 VA	0 VA	1	20 A	ELEV. CARA'S LIGHT		12	$\overline{}$
	13	DAMPER MOTOR	20 A	- 1	0 VA	0 VA					- 1	20 A	SPARE		14	т
	15						0 VA	0 VA			2	20 A	IT ROOM & FLOOR		16	т
	17	SPARE	20 A	3					0 VA	0 VA					18	1_
	19				0 VA	0 VA					1	20 A	SPARE		20	
	21	SPARE	20 A	- 1			0 VA	0 VA			1	20 A	SPARE		22	
	23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE		24	
	25	SPARE	20 A	2	AV 0	0 VA					1	20 A	SPARE		26	_
	27			_			0 VA				1		SPACE		28	
	29	SPARE	20 A	2					0 VA	-	1		SPACE		30	_
	31			-	0 VA	0 VA	_	_		_	1				32	4
	33	SPARE	20 A	2			0 VA	0 VA			3	30 A	ELEVATOR A/C UNIT	L	34	4
_	35		_	٠.			_	-	0 VA	0 VA	1	_			38	-
	37	SPACE	-	1		-	_			_			SPACE		38	-
_	39	SPACE		1		-					1		SPACE		40	-
	41	SPACE	-							VA.	1		SPACE		42	
				L LOAD:		VA A		VA LA		VA VA	J					
ITG - H	ICATED IEATING COUIPME	FULLY BUSSED SPACE TO BE PROVIDED SENT		CONNE	RCPT - REC LTG - LIGH (E) - EXISTI	TING ING LOAD		TOR	ESTIMATE		MTR - I KTN - F	NOTOR STCHEN APPLIANCE PANEL T	OTALS			
IGHTI					0 VA		0.00%			VA						
RECEP					0 VA		0.00%			VA			TOTAL CONN. LOAD:			
MOTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND:			
EQUIPM			$ \top$		0 VA	-	0.00%	$\overline{}$		VA	-		TOTAL CONN. CURRENT:			
HEATIN					0 VA		0.00%			VA		TOTAL I	EST. DEMAND CURRENT:			
КІТСНЕ	N.		_		AV 0	_	0.00%			VA	_		CAPACITY:			
(E)	TEN .			0 VA			0.00%		0	VA			SPARE CAPACITY:	83 A		

custor	MZATIO	Branch Panel: L1A MANUFACTURER AND TYPE: SQUARE D INSTALLED: Sectorial Ug DEMOLISHED: None BUR RATING: 225 A AIC RATING: 10000 A DNS:					VOLTS PHASES WIRES GROUND MAIN CB	4 X	ув	SPD: FEED-THROUGH LUGIS: X MOUTHING: SURFACE ENCLOSURE: NEAM 1 SUPPLY FROM: DB1A					
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A	_	R	_	С	POLES TRIP		LOAD DESCRIPTION		NOTE
	1	BAS ELEVATOR ROOM	20 A	1	0 VA	T OVA		Ť		ĭ	1	20 A	NIV	CKT	-
-	3	RECEPT PARKING LOT	20 A	1	0.00		0.VA	DVA	_		1	20 A	PHOTO CELL	4	+
$\overline{}$	- 5	RECEPT. PARKING LOT	20 A	1		_	v m	0 1/1	0 VA	OVA	1	20 A	TIMECLOCK	- 6	+
-	7	HEAT TRACE LEVEL 1	20 A	1	0 VA	0 VA	_	_			1	20 A	BUILDING DIRECTORY	8	_
\rightarrow	9	SUMP PUMP	20 A	1	0.474	0.174	0 VA	0 VA	_		1	20 A	RECEPT, TELECOM ROOM	10	-
-	11	TICKET SPITER	20 A	1			UVA	0 1/1	0 VA	OVA	1	20 A	RECEPT. FLEC ROOM	12	+
\rightarrow	13	PARKING CASHER BOOTH	20 A	1	0 VA	OVA	_	_		. vn		LVA.	THEORY IS ELECTROOM	14	+
-	15	GARAGE GATE	20 A	1	UVA	UVA	0 VA	0 VA	_		3	30 A	ROLL UP GATE	16	4
\rightarrow	17	ECUNIT 7	20 A	1			- VVA	U VA	OVA	OVA	1 ' 1	J. A.	NOLE OF SMILE	18	-1
\rightarrow	19	LOBBY LIGHTS	20 A	1	0 VA	0 VA		_	UVA	UVA	1	20 A	TIMECLOCK #2	20	+
-	21	LOBBY LIGHTS	20 A	1	UVA	UVA	0.VA	0 VA			1	20 A	TIMECLOCK #2	20	+-
\rightarrow	23	BUILDING SIGN	20 A	1				U VA	0 VA	OVA	1	20 A	SPRINKLER CONTROL	24	+
_	25		20 A	+	0 VA	0.VA		_	UVA	OVA		20 A	CARD READER PARKING		-
\rightarrow		GENERATOR CONTROLS		1	UVA	OVA			_		1 1			26	-
_		LOBBY BELL	20 A				0 VA	0 VA				20 A	DOCK STORAGE LIGHTS	28	-
\rightarrow	29	SPARE	20 A	1		-	_	-	0 VA	0VA	1	20 A	RECEPT. DOCK STORAGE	30	-
\rightarrow	31	LIGHTS PUMP P1	20 A	1	0 VA	0 VA					1	20 A	TIME CLOCK #5	32	_
_	33	RECEPT. PARKING LOT	20 A	1			0 VA	0 VA			1	20 A	ENG OFFICE	34	_
	35 37	208V RECEPT. SERVER ROOM	20 A	2	0 VA	0 VA			0 VA	0 VA	2	15 A	ACCU-7	36	
ł	39	206V RECEPT. SERVER ROOM	20 A	2			0 VA	0 VA	0 VA	OVA	1 1	20 A	PUMP RM RECEPT, & LIGHT SPARE	40	+
	43	SPARE	20 A	1	0 VA						1	-	SPACE	44	
	45	SPARE	20 A	1			0 VA	-			1		SPACE	46	
-	47	SPARE	20 A	1					0 VA	-	1		SPACE	48	_
-	49	SPARE	20 A	1	0.VA						1		SPACE	50	_
\neg	51	SPARE	20 A	1			0 VA	-	_		1		SPACE	52	-
	53	SPARE	20 A	1					0 VA		1		SPACE	54	+
\neg	55	SPARE	20 A	1	0 VA	-	_	_			1		SPACE	56	_
-	57	SPARE	20 A	1			0.VA	-	_		1	-	SPACE	58	+
-	59	SPARE	20 A	1	_		9.111	_	0.VA	-	1		SPACE	60	-
_	00	DI PATE		L LOAD:	0	VA	0	VA		VA.		-	or Noc		_
				L AMPS:		IA.) A			,				
TG - H					RCPT - RE LTG - LIGH (E) - EXIST	TING				0 A		MTR - F	MOTOR ITCHEN APPLIANCE		
		ICATION			CTED LOAD		DEMAND FA	CTOR		D DEMAND			PANEL TOTALS		
IGHTIN	G				0 VA		0.00%		0	VA					
ECEP1	ACLE				0 VA		0.00%		0	VA			TOTAL CONN. LOAD: 0 VA		
OTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA		
QUIPN					0 VA		0.00%		0	VA			TOTAL CONN. CURRENT: 0 A		
EATIN	3				0 VA		0.00%		0	VA	Т	OTAL E	ST. DEMAND CURRENT: 0 A		
ITCHE	N				0 VA		0.00%		0	VA			CAPACITY: 200 A		
E)					0 VA		0.00%		0	VA			SPARE CAPACITY: 200 A		
OTES:			_												

custo	MIZATIC	Branch Panel: EL1 MANUFACTURER AND TYPE: SOLURE D NI MINTALLED: Edebtral Uggi DEMOLISHED: None BUS RATING: 20000 A AIC RATING: 10000 A	VOLTS: 120208 Wye PMASES: 3 WINESS: 4 GROUND: X MAIN CB: 100 A								EMERGENCY BRANCH SPD: RITGRAL FEED-THROUGH LUGS: YETGRAL FEED-THROUGH LUGS: YETGRACE ENCLOSURE: NEW 1 SUPPLY FROM: T-EL1					
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В	T .	c	POLES	TRIP	LOAD DESC	RIPTION C	кт	NOTE
	1				0 VA	-					1		SPACE		2	_
	3	SPD	100 A	3			0 VA	-			1		SPACE		4	
	- 5	1							0 VA		1		SPACE		6	_
	7	ELEVATOR PIT LIGHTS	20 A	1	0 VA	0.0	A				1	20 A	DAMPERS FCS 2-8		8	
		ELEVATOR PARKING	20 A	1			0 VA	0 VA			1		IT ROOM		10	
	11	SPARE	20 A	1					0 VA	O VA	1	20 A	REMOTE STROBE		12	
		F.A. CONTROL	20 A	1	0 VA	0.0					2	20 A	208V UPS IT ROOM		14	_
	15	ADT MONITOR	20 A	-1			0 VA	0 VA			1 1	200	200V OF STI NOOM		16	
		IT ROOM	20 A	1					0 VA	OVA.	-	20 A	IT ROOM		18	
		SPARE	20 A	1	0 VA						1		SPACE		20	
		SPARE	20 A	1			0 VA	-			1		SPACE		22	
		SPARE	20 A	1					0 VA		1		SPACE		24	
		SPARE	20 A	1	0 VA						1		SPACE		26	
		SPARE	20 A	1			0 VA				1		SPACE		28	
	29	SPARE	20 A	1					0 VA		1		SPACE		30	
				L LOAD:		VA		VA		VA	J					
			TOTA	L AMPS:	0	A		A	. 0	A						
ITG - H				RCPT - REG LTG - LIGH (E) - EXIST	TING						MTR - F KTN - H	MOTOR ITCHEN APPLIANCE				
OAD C	LASSIF	CATION	\neg	CONNE	CTED LOAD	-	DEMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL T	OTALS		
JGHTIN					0 VA		0.00%			VA						
RECEP					0 VA		0.00%			VA			TOTAL CONN. LOAD:			
MOTOR		0 VA					0.00%			VA			TOTAL EST. DEMAND:			
QUIPN						0.00%			VA			TOTAL CONN. CURRENT:				
EATIN			-		0 VA	\perp T	0.00%			VA		OTAL	ST. DEMAND CURRENT:			
CITCHE	N				0 VA		0.00%			VA			CAPACITY:			
E)	0 VA					0.00%	0 VA			SPARE CAPACITY: 83 A						





BLECTRICAL: Shafter - Baycon Engineering & Consulting 3500 S. Wadework Brvd. Suite 600 Lakewood, CO 80236 303-995-8050
ARCHITECT: Architectural Workshop 2 Nationarth Street Detwice, CO 90223 303-783-1717

SBEC Project #: Scale:	210032
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	1201/2023

NOTE: EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT. NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

		Branch Panel: LP1-2 MANUFACTURER AND TYPE: SQUARE D INSTALLED: Electrical Up DEMOLISHED: None BUS RATING: 400 A AIC RATING: 10000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye	SPD. FEED-THROUGH LUGS: X MOUNTING: SUPFACE ROCCUSINES INDA'S SUPFACE LUFA:						
CUSTOR		ons:														
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES		LOAD DESCRIPTION		NOTE	
		RECEPT. RM 130A, B, IT	20 A	1	AV 0	0 VA					1		RECEPT. RM 174	2	_	
		RECEPT, RM 151 IT	20 A	1			0 VA	0 VA			1	20 A	SPARE	4		
_		TV LOBBY	20 A	1					0 VA	0 VA	1	20 A	SPARE	- 6	_	
		TELEPHONE ROOM	20 A	1	0 VA	0 VA					- 1	20 A	SPARE	- 8		
		RECEPT, LOBBY RM 130A	20 A	- 1			0 VA	0 VA			1	20 A	SPARE	10		
_		SPARE	20 A	1					0 VA	0 VA	1	20 A	(E) EQUIP	12	_	
		SPARE	20 A	1	0 VA	0 VA					2	20 A	TELECOM ROOM	14		
_		SPARE	20 A	1			0 VA	0 VA				2011	TELEGOIII NOOM	16	_	
		FAN COIL UNIT	20 A	1					0 VA	0 VA	2	30 A	RECEPT, PHONE ROOM	18	_	
_		SPARE	20 A	1	AV 0	0 VA					,	0011	TIESES TITTIONE TOOM	20	_	
_		RECEPT. RM 170, 171	20 A	1			0 VA	0 VA			2	30 A	SPARE	22	4	
		RECEPT. RM 158, 174	20 A	1					0 VA	0 VA		0011	01710	24	_	
$\overline{}$		RECEPT. GUARD DESK	20 A	1	AV 0	0 VA					2	30 A	SPARE	26	_	
_		RECEPT, GUARD DESK	20 A	1			0 VA	0 VA						28	_	
\rightarrow		RECEPT. GUARD DESK	20 A	1					0 VA		1		SPACE	30	_	
Į.	31				0 VA	0 VA					2	20 A	TELECOM ROOM	32	4	
- 1		TELEPHONE ROOM	20 A	3			0 VA	0 VA						34	_	
_	35								0 VA	0 VA	1	20 A	RECEPT. RM 167, 168, 169	36	-	
_		SPARE	20 A	1	AV 0	-					1		SPACE	38	_	
		SPARE	20 A	1			0 VA				1		SPACE	40		
	41	SPARE	20 A	1					0 VA		1	**	SPACE	42		
				L LOAD:	0			VA		VA	J					
			TOTA	L AMPS:		IA.		I.A.) A						
ITG - H	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD							WOTOR RITCHEN APPLIANCE			
		CATION	-		CTED LOAD		DEMAND FAC	TOR		D DEMAND			PANEL TOTALS			
IGHTIN			_		0 VA	\rightarrow	0.00%			VA	-					
RECEPT					0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA			
OTOR			_		0 VA	_	0.00%	_		VA	-		TOTAL EST. DEMAND: 0 VA			
QUIPM			_		0 VA	_	0.00%			VA	_		TOTAL CONN. CURRENT: 0 A			
EATIN			_		0 VA	_	0.00%			VA		TOTAL I	EST. DEMAND CURRENT: 0 A			
(ITCHE)	4		-		0 VA	_	0.00%	_		VA VA	-		CAPACITY: 400 A			
				O VA			0.00%			SPARE CAPACITY: 400 A						

custo	MIZATI	Branch Panel: LP1-1 MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Norice Upgin DEMOLISHED: Norice BUS RATING: 400 A AC RATING: 10000 A DNS:		WISES: 4 GROUND: X MAIN CB: 400 A								NORMAL POWER SPO. SPO. FEED-THROUGH LUBE: X MOUNTING SUPEAGE ENCLOSURE: MEMA 1 SUPPLY FROM: DOTA						
NOTES	CNT	LOAD DESCRIPTION	TOID	DOL 55	POLES A		В		$\overline{}$	r	POLES	TRIP	LOAD DESC	DIDTION (ЖT	NOTES		
	1	(E) EQUIP	20 A	1	0 VA	0 VA				Ī	1	20 A	(E) EQUIP		2	_		
	3	(E) EQUIP	20 A	1	0.01		0.VA	DVA	_		1		(E) EQUIP		4	_		
	5	(E) EQUIP	20 A	1					0 VA	0 VA	1		(E) EQUIP		6	-		
	7	(E) EQUIP	20 A	1	0.VA	0 VA	_				1		(E) EQUIP		8	 		
	9	(E) EQUIP	20 A	1	2 111		0 VA	0 VA	_		1		(E) EQUIP		10	-		
	11	(E) EQUIP	20 A	1			1		0 VA	OVA	1	20 A	(E) EQUIP		12	†		
-	13	(E) EQUIP	20 A	1	D.VA.	OVA			1	- "	1	20 A	(E) EQUIP		14	_		
	15	(E) EQUIP	20 A	1	- 1/1		0 VA	0 VA			1		(E) EQUIP		16	-		
	17	(E) EQUIP	20 A	1			4 111	0.111	0 VA	0 VA	1		(E) EQUIP		18	_		
	19	(E) EQUIP	20 A	1	0 VA	0 VA	_	_			1		(E) EQUIP		20	-		
	21	(E) EQUIP	20 A	1			0.VA	D.VA	_		1	20 A	(E) EQUIP		22	_		
	23	(E) EQUIP	20 A	1					0 VA	0 VA	1	20 A	(E) EQUIP		24	-		
		(E) EQUIP	20 A	1	0 VA	0 VA	_				_				26	 		
	27	(E) EQUIP	20 A	1			0 VA	0 VA			2	20 A	(E) EQUIP		28	1		
	29	(E) EQUIP	20 A	1					0 VA	0 VA	1	20 A	SPARE		30	_		
	31	(E) EQUIP	20 A	1	II VA	O VA					- 1	20 A	SPARE		32			
	33	(E) EQUIP	20 A	1			0 VA	0 VA			1	20 A	SPARE		34	_		
	35	(E) EQUIP	20 A	1					0 VA	0 VA	1	20 A	SPARE		36			
	37	SPARE	20 A	1	0 VA		_	_			1		SPACE		38			
	39	SPARE	20 A	1			0 VA				- 1		SPACE		40			
	41	SPARE	20 A	1					OVA		1	-	SPACE		42	-		
		1		L LOAD:	0	VA.	0	VA	- 0	VA	_				-			
				L AMPS:		A		A		IA.	,							
HTG - H EQP - E	CATED EATING QUIPM	ENT			RCPT - REG LTG - LIGH (E) - EXIST	DEPTACLI TING NG LOAD	LE						MOTOR KITCHEN APPLIANCE					
		FICATION			CTED LOAD)	DEMAND FAC	TOR		D DEMAND			PANEL 1	TOTALS				
LIGHTIN			_		0 VA		0.00%			VA	_							
RECEP					0 VA		0.00%			VA			TOTAL CONN. LOAD:					
MOTOR			_		0 VA		0.00%			VA	_		TOTAL EST. DEMAND:					
EQUIPN					0 VA		0.00%			VA			TOTAL CONN. CURRENT:					
HEATIN			-		0 VA		0.00%			VA		TOTAL I	EST. DEMAND CURRENT:					
KITCHE	N		_		0 VA		0.00%						CAPACITY:					
					0 VA		0.00%		0	VA			SPARE CAPACITY:	400 A				
(E) NOTES:					0 VA		0.00%		0 VA 0 VA				SPARE CAPACITY:	400 A		=		

Branch Panel: LB1 MANUFACTURER AND TYPE: MANUFACTURER AND TYPE: DEMOLASHED: None BUS RATING: 225 A AIC RATING: 10000 A CUSTOMIZATIONS:			yades				VOLTS PHASES WIRES GROUND MAIN CB	4 X	'ye		F		NCRIMAL SPD: IROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA-1 SUPPLY FROM: T-LB1		
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ.		В		С	POLES	TRIP	LOAD DESC	RIPTION CKT	NOTE
	1	SPARE	20 A	1	0 VA	OVA		Ī		i –	1		SPARE	2	+
-	3	SPARE	20 A	- 1			0 VA	0 VA			1	20 A	SPARE	4	\neg
	5	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	6	-
	- 7	SPARE	20 A	- 1	0 VA	0 VA					-	20 A	SPARE	8	-
	9	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	10	-
	11	SPARE	20 A	1				T	0 VA	0 VA	1	20 A	SPARE	12	-
	13	SPARE	20 A	- 1	0 VA	0.7/					1	20 A	SPARE	14	\neg
	15	SPARE	20 A	1		1	0 VA	0 VA			1	20 A	SPARE	16	-
	17	SPARE	20 A	- 1					0 VA	0 VA	1	20 A	SPARE	18	-
	19	SPARE	20 A	1	0 VA	0.74					1	20 A	SPARE	20	
	21	SPARE	20 A	- 1			0 VA	0 VA			-	20 A	SPARE	22	-
	23	SPARE	20 A	1		_	-	-	0 VA	0 VA	1	20 A	SPARE	24	
	25	SPARE	20 A	1	0.VA	0 VA					1	20 A	SPARE	26	
	27	SPARE	20 A	1	0.111		DVA	OVA		 	1	20 A	SPARE	28	
	29	SPARE	20 A	1		_			OVA	0 VA	1	20 A	SPARE	30	+
	31	SPACE		1		-	_		* ***		1		SPACE	32	
	33	SPACE	-	1			-	T	_	_	1		SPACE	34	
	35	SPACE	-	1		1			-	-			SPACE	36	+
	37	SPACE		1							1	**	SPACE	38	-
	39	SPACE	-	1			-		_	_	1		SPACE	40	
_	41	SPACE	-	1		+	_	-	-	-	1		SPACE	42	
		OT FIGE		L LOAD:		VA	-	VA	- 0	VA.	_		OI FILE	71.	_
				L AMPS:		IA.		IA.) A					
TG - H QP - E	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	ITING ING LOA	D						MOTOR OTCHEN APPLIANCE		
		FICATION	_		CTED LOAD	·	DEMAND FAC	TOR		ED DEMAND	_		PANEL	OTALS	
GHTIN			_		0 VA	_	0.00%			VA					
			_		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD:		
OTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND:		
			_		0 VA	-	0.00%			VA	_		TOTAL CONN. CURRENT:		
EATIN					0 VA		0.00%			VA		OTAL E	EST. DEMAND CURRENT:		
ПСНЕ	N		_		0 VA	_	0.00%			VA			CAPACITY:		
E)					0 VA		0.00%			VA	1		SPARE CAPACITY:		

MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Restricted Ligardes DEMOLISHED: None BUS RATING: 400 A AIC RATING: 1000 A CUSTOMIZATIONS:			VOLTS: 120/208 Wys PHASES: 3 WIRES: 4 GROUND: X MAIN CB:							ı	SPD: FEED-THROUGH LIDGS: MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: LP1-2				
NOTES	CKT	LOAD DESCRIPTION	TOID	POLES		A		В	_	С	POLES	TRIP	LOAD DESC	RIPTION CKT	т ПОТЕ
		LINISEX RESTROOM	20 A	1	0.VA	Î ov		ĭ	_	Ť	1	20 A	SPARE	2	
	- 3	CEILING OUTLET PROJECTOR	20 A	1			0.VA	D.VA			1	20 A	SPARE	4	+
		SYNCROFLOW PUMP	20 A	1					0 VA	0 VA	1	20 A	SPARE	6	_
		FIRE DAMPER	20 A	1	0 VA	0.00					1	20 A	SPARE	8	_
		SPARE	20 A	1	. *//	1	OVA	0 VA			1	20 A	SPARE	10	_
		ATM	20 A	1					0 VA	0 VA	1	20 A	TELEPHONE ROOM	12	
	13	SPARE	20 A	1	0 VA	0.00			1		1	20 A	UNKNOWN	14	
		SPARE	20 A	1			0 VA	0 VA	_		1	20 A	UNKNOWN	16	_
_	17	SPARE	20 A	1					0 VA	0 VA	1	20 A	UNKNOWN	18	
	19		_	_	ΠVA	0.94	_	_	01/1	V III	1	30 A	UNKNOWN	20	
	21	SPARE	30 A	2	010	01/	OVA	0 VA			-			22	
_	23		-	+	_	_	UVA	0 VA	OVA	OVA	2	20 A	UNKNOWN	24	
	25	TELEPHONE A/C COMPRESSOR	30 A	2	0 VA	0.00		_	010	UIA	1	20 A	TELEPHONE RECEPT.	26	
_	27	UNKNOWN	20 A	1	0.44	0.17	OVA	0 VA	_	_	1	20 A	TELEPHONE RECEPT.	28	
		SPACE	20 A	l i	_	_	UVA	UVA	-	OVA	<u> </u>	20 A	TELEPHONE RECEPT.	30	
		MAIN TELEPHONE ROOM	20 A	1 :	0 VA	0.00	_	_		UVA	2	30 A	SPARE	32	
_		MAIN TELEPHONE ROOM	20 A	l i	OVA	0.17	OVA		_	_	1	-	SPACE	34	
		MAIN TELEPHONE ROOM	20 A	H + +		-	0.04		0 VA	0 VA	1	20 A	SPARE	36	
_	37	SPARE	20 A	1 1	n va		_	_	01/	UVA	1	201	SPACE	38	
	39	SPARE	20 A	1 1	U VA		0 VA		_		1	-	SPACE	40	
_						-	UVA	-	_						
	41	SPARE	20 A	1					0 VA	**	1		SPACE	42	
				L LOAD:		VA		VA		VA	J				
			TOTA	L AMPS:	0	I A) A		A					
ITG - H					RCPT - REG LTG - LIGH (E) - EXIST	TING ING LOA							MOTOR KITCHEN APPLIANCE		
OAD C	LASSIF	ICATION	\neg	CONNE	CTED LOAD	_	DEMAND FAC	CTOR	ESTIMATE	D DEMAND			PANEL T	DTALS	
IGHTIN					0 VA		0.00%			VA	\neg				
RECEP'	TACLE				0 VA		0.00%		0	VA			TOTAL CONN. LOAD:	IVA	
MOTOR			-		0 VA		0.00%		0	VA			TOTAL EST. DEMAND:	IVA	
QUIPN	ENT				0 VA		0.00%		0	VA			TOTAL CONN. CURRENT:	I A	
EATIN	G				0 VA	\neg	0.00%		0	VA		TOTAL	EST. DEMAND CURRENT:	IA.	
CITCHE	N				0 VA		0.00%		0	VA			CAPACITY:	100 A	
E)					0 VA		0.00%		n	VA			SPARE CAPACITY:	00 A	





3500 S.	Baucom Engineering & Consulting Nacionarth Blvd. Suite 600 d. CO 80236
2 Kalara	ural Workshop sh Street CO 80223
505-788	1717

SBEC Project #: Scale:	210032
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Date:
12/01/2023

NOTE:

EXETING CONDITIONS ARE SHOWN WITH LIGHT

EXETING CONDITIONS ARE SHOWN WITH LIGHT

WAS YOURS REQUIRED AN EXPORTING CONDITIONS

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	Branch Panel: L2A MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Electroal Upgrades DBND GRAPHS: 2006 BURN SAND: 2006 AND RATHOR: 2000 A AND RATHOR: 2000 A					VOLTS: 120/208 Wye PHASES: 3 WRES: 4 GROUND: X MAIN CB:						NORMAL POWER SPO: FEED-THROUGH LIUGS: X MOUNTING: FLUSH ENCOSCIPIE: NEMA 1 SUPPL-FROM: DBL4				
				_								_				
NOTES		LOAD DESCRIPTION	TRIP	POLES		Α		В		¢	POLES	TRIP	LOAD DESCRIPTION		NOTE	
	1				0 VA	0 VA					3			2	4	
	3	RECEPTACLES RM 2100 SOUTH	20 A	3		_	0 VA	0 VA	0.74	0.7/4	3	20 A	RECEPTACLES RM 2006	8	4	
_	7		_	_	0.VA	0.VA	_	-	UVA	UVA		20 A	RECEPTACLES BM 2006 BOOTHS	8	+	
	9	RECEPTACLES RM 2100 EAST	20 A	3	UVA	0.44	0 VA	0 VA	_	_	,	20 A	RECEPTACLES RM 2006 BOOTHS	10	+	
	11	TOUCH THULESTON A TOU EAST	AU A	1 3		_	- VVA	JVA	0.VA	0.VA	3	20 A	TRACK LIGHTS & RECEPTACLES - 2003	12	1	
_	13			_	0 VA	0 VA	_	_	0.44	UVA	"	201	TRACK EIGHTS & RECEP TAGEES - 2003	14	-1	
	15	RECEPTACLES RM 2100 NORTH	20 A	3	UVA	377	0 VA	0 VA	1			_		16	+	
	17		2011	-		_	0.00	0.171	OVA	DVA	3	20 A	TRACK LIGHTS & RECEPTACLES - 2003	18	4	
	19	RECEPTACLES RM 2000, 2001A	20 A	1	0 VA	0 VA	_	_	- Unit	0.111	, ,	2014	TOTOL CIOTTO WILDED THOLED - 2000	20	-1	
	21	RECEPTACLES RM. 2000, 2003, 2005	20 A	1			0 VA	0.VA	_	 		20 A	NE SIGN	22	+-	
	23	RECEPTACLES RM 2001, 2001B, C. 2100, 2102	20 A	1		_	0.171	0.174	0.VA	0.7/4	1	20 A	SPARE	24	-	
	25	RECEPTACLES RM 2005, 2008	20 A	1	0 VA	0.VA						20 A	SPARE	26	-	
	27						0 VA	0 VA					SPARE	28	+	
	29	RECEPTACLES RM 2102, 2200, 2202, 2300A.B.D.E.F.G	20 A	3					0 VA	0 VA	2	20 A	SPARE	30	1	
	31	23004,B,D,E,F,G			0 VA	0 VA					1	20 A	SPARE	32	τ	
	33	RECEPTACLES RM 2400, 2301, 2300 C.H.J	20 A	2			0 VA	0 VA			1	20 A	SPARE	34	-	
	35	RECEPT MOLES RW 2400, 2301, 2300 C,H,J	20 A	2					0 VA	0 VA	1	20 A	SPARE	36	$\overline{}$	
	37	RECEPTACLES RM 2006, 2300, 2300G	20 A	1	0 VA	0 VA					1	20 A	SPARE	38	т	
	39	ACCU-1	20 A	2			0 VA	0 VA			1	20 A	SPARE	40	T	
	41	AUUU-1	20 A	2					0 VA	0 VA	1	20 A	SPARE	42	-	
		•	TOTAL	LOAD:	0	VA	0	VA	0.	VA			•			
			TOTAL	AMPS:		A.	- 0	I A		A						
HTG - H					RCPT - REI LTG - LIGH (E) - EXIST	TING						MTR - I	MOTOR RITCHEN APPLIANCE			
LOAD C	LASSIF	CATION		CONNE	CTED LOAD	_	DEMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL TOTALS			
JIGHTIN		·			0 VA		0.00%			VA						
RECEP.					0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA			
MOTOR			-		0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA			
QUPN			-		0 VA		0.00%			VA			TOTAL CONN. CURRENT: 0 A			
EATIN			-		0 VA		0.00%			VA		TOTAL I	EST. DEMAND CURRENT: 0 A			
КПСНЕ	N		\perp		0 VA	_	0.00%			VA	_		CAPACITY: 200 A			
(E)					0 VA		0.00%			VA		SPARE CAPACITY: 200 A				

Branch Panel: H2 MANUFACTURE NAN TYPE: — MANUFACTURE SHAPE SHAPE SHAPE MEDIAL SHAPE SHAPE SHAPE BUS RATHIG: 400 A ACC RATHIG: 10000 A							VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4	ув		1		NORMAL SPD: HROUGH LIGHS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: MDC	POWER		
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ.		a .		c	POLES	TRIP	LOAD DESI	CRIPTION C	KT.	NOTE
	1	SPARE	20 A	1	0 VA	I OVA				Ī	1	20 A	SPARE		2	-
	3	SPARE	20 A	1			OVA	DVA			- 1	20 A	SPARE		4	
	5	SPARE	20 A	1		_			0 VA	0 VA	1	20 A	SPARE		6	-
	7	LIGHTING RM 2001	20 A	1	0 VA	0 VA					- 1	20 A	SPARE		8	-
	9	LIGHTING RM 2001	20 A	1			0 VA	0 VA			1	20 A	SPARE		10	-
	11	LIGHTING RM 2001	20 A	1					0 VA	0 VA	1	20 A	SPARE		12	-
	13	LTS, 2001B, C, 2101-02, 2200-02, 2301	20 A	1	0 VA	0 VA									14	-
		LTS, 2000, 2001A, 2100, 2101	20 A	1		1	0 VA	0 VA			3	30 A	SPARE		16	
	17	LTS, 2102, 2300, 2300A-H, 2300K, 2301	20 A	1					0 VA	0 VA	1		1		18	
	19	LTS. 2004, 2102, 2300J	20 A	1	0 VA	0 VA									20	-
	21	LTS, RM 2005, 2006	20 A	1			0.VA	0 VA			3	30 A	SPARE		22	
	23	SPARE	20 A	1		-			0 VA	0 VA	1 .				24	
	25	SPARE	20 A	1	0 VA	0 VA									26	_
	27	SPARE	20 A	1			0 VA	0 VA			3	40 A	SPARE		28	
	29	SPARE	20 A	1					0 VA	OVA	1				30	
	31	SPACE	-	1							- 1		SPACE		32	-
	33	SPACE	-	1			-	-			1		SPACE		34	
	35	SPACE	-	1							- 1		SPACE		36	-
	37	SPACE	-	1		-					1		SPACE		38	
	39	SPACE		1							1		SPACE		40	
	41	SPACE		1					-		1		SPACE		42	-
			TOTAL	L LOAD:	- 0	VA	0.	VA.	0	VA						_
			TOTAL	L AMPS:		IA.	0	A	-	IA.	-					
HTG - H EQP - E	CATED EATING QUIPMI				RCPT - RE- LTG - LIGH (E) - EXIST	ITING ING LOAD				ED DEMAND			MOTOR KITCHEN APPLIANCE	TOTALS		
LIGHTIN		TOATION	_		0 VA	-	0.00%	IUK		VA.	_		PANEL	TUTALO		_
RECEP			-		0 VA	-	0.00%	_		VA VA	-		TOTAL CONN. LOAD:	nava.		_
MOTOR			_		0 VA	_	0.00%			VA	+		TOTAL EST. DEMAND:			_
EQUIPA			-		0 VA	_	0.00%	_		VA VA	-		TOTAL EST. DEMAND:			_
HEATIN			_		0 VA	_	0.00%			VA	_		EST. DEMAND CURRENT:		_	_
KITCHE			-		0 VA	_	0.00%			VA VA	-	IVIAL	CAPACITY:			_
(E)	٧		-		0 VA	_	0.00%	_		VA	-		SPARE CAPACITY:			_
NOTES:								,			•					

custo	MIZATIO	Branch Panel: L2B MANUFACTURER AND TYPE: SQUARED NO INSTALLED: Electrical Upper DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A CNS:					VOLTS PHASES WIRES GROUND MAIN CB	4 X	ye		ı		NORMAL POWER SPD: 4ROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: DBL4		
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		B		С	POLES	TDID	LOAD DESCRIPTION	CKT	NOTE
	1	RECEPT. RM 2000, 2001C	20 A	1	0 VA	0 VA	_	Ī		i –	1		SPARE	2	+
-	3	RECEPT, RM 2001 AC FLAT PANELS	20 A	1			0 VA	0.VA	1	_	1		SPARE	- 4	+-
	- 5	RECEPT. RM 2001	20 A	1					0 VA	0 VA				- 6	+
	7	RECEPT. RM 2000, 2003, 2005	20 A	1	0 VA	0.VA					2	30 A	SPARE	8	1
	9						n va	0.VA			-1	20 A	SPARE	10	-
	11	RECEPT. RM 2300J, 2300, 2300K SOUTH	20 A	3		t -			0 VA	0 VA	1	20 A	SPARE	12	-
	13		1 -011	1	0 VA	0 VA			1	1	1	20 A	SPARE	14	+
	15		-	_			0.7/4	0 VA	_	_	1	20 A	SPARE	16	+
	17	RECEPT. RM 2300K SOUTH, 2300K NORTH	20 A	2		†			OVA	DVA	1	20 A	SPARE	18	-
	19	VAV CONTROL	20 A	1	0 VA	0 VA	_			-	1	20 A	SPARE	20	+
	21	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	22	-
	23	FA PANEL	20 A	1					0 VA	0 VA				24	+
	25	DRINKING FOUNTAIN	20 A	1	0 VA	0 VA	_				2	20 A	SPARE	26	1
	27	FA CURTAINS	20 A	- 1	0.111	9 111	D.VA.	OVA	1		1	20 A	SPARE	28	+
	29	RECEPT. STUDIO WALL	20 A	1					0 VA	0 VA	1	20 A	SPARE	30	+
	31	RECEPT, UNDERCTR STUDIO	20 A	1	0 VA	0.VA	_				1	20 A	SPARE	32	-
	33	BATHROOM RECEPT.	20 A	1		-	0.74	0.04	_	_	1	20.4	SPARE	34	+
	35	SPARE	20 A	1					OVA	-	1		SPACE	36	-
	37	SPARE	20 A	1	0 VA	0 VA	_		- 111		1	20 A	SPARE	38	-
	39		_				0 VA	0 VA	_	_	1	20 A	SPARE	40	+
	41	COFFEE MAKER	30 A	2	_	 	0.171	01/	OVA	-	1	2074	SPACE	42	-
	41		TOTA	L LOAD:		VA	-	VA		VA.	_		017400	76	_
				L AMPS:		IA.		IA.) A	1				
HTG - H EQP - E	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD)						MOTOR RITCHEN APPLIANCE		
		FICATION	_		CTED LOAD		DEMAND FAC	TOR		ED DEMAND	_		PANEL TOTALS		
.IGHTIN			_		0 VA	_	0.00%			VA	-				
RECEP.			-		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD: 0 VA		
MOTOR			_		0 VA	_	0.00%			VA	_	_	TOTAL EST. DEMAND: 0 VA		
			-		0 VA	-	0.00%			VA	-		TOTAL CONN. CURRENT: 0 A		
HEATIN			_		0 VA	_	0.00%			VA		TOTAL I	EST. DEMAND CURRENT: 0 A		
KITCHE (E)	N		-		0 VA	_	0.00%			VA	-		CAPACITY: 200 A		
					0 VA		0.00%			VA			SPARE CAPACITY: 200 A		

Branch Panel: ANNEX MANUFACTURER AND TIPE: BISTALLED: Electrical Upgrades DEBIOLISHED: None BUS RATING: 225 A AC RATING: 19009 A CLISTOMIZATIONS:							VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	ye		,		NORMAL SPD: HROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DBP1		
NOTES	CKT	LOAD DESCRIPTION	TOID	POLES		A	_	R		С	POLES	TRIP	LOAD DESC	RIPTION CK	т Іноте
		SPARE	20 A	1	0.VA	0.04		ĭ		ř	1	20 A	LOBBY LIGHTS - EM	2	
	3	SPARE	20 A	1			0.VA	0.VA			1	20 A	SPARE	4	-
	- 5	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	6	-
	7	A/C PLUG	20 A	1	0 VA	0 VA			1		1	20 A	SPARE	8	\neg
	9	A/C PLUG	20 A	1			0 VA	0 VA			1	20 A	SPARE	10	
	11	A/C PLUG	20 A	1					0 VA	OVA.	1	20 A	SPARE	12	
	13	FLOOR BOX	20 A	1	0 VA	0 VA					1	20 A	SPARE	14	
	15	FRIDGE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16	
	17	MEZZANINE PLUG	20 A	1					0 VA	0 VA	1	20 A	SPARE	18	
	19	MEZZANINE PLUG	20 A	1	0 VA	0 VA					1	20 A	SPARE	20	-
	21	HANDICAP DOOR	20 A	1			0 VA	0 VA			1	20 A	SPARE	22	
	23	WATER COOLER PLUG	20 A	-1					0 VA	0 VA	1	20 A	SPARE	24	
	25				0 VA	0 VA					1	20 A	SPARE	26	\neg
		HEATER - VESTIBULE	30 A	3			0 VA	0 VA			1	20 A	SPARE	28	
	29								0 VA	O VA	1	20 A	SPARE	30	
				LOAD:	0	VA	0	VA	0	VA.					
			TOTA	. AMPS:	- 0	A) A	- 0	I A					
HTG - H EQP - E	CATED EATING QUIPMI	ENT			RCPT - REG LTG - LIGH (E) - EXIST	TING NG LOAL	-						MOTOR ITCHEN APPLIANCE		
LOAD C		CATION	_		O VA	-	DEMAND FAC	TON		VA VA	+		PANEL 1	IUIALS	
RECEP			_		0 VA	_	0.00%	_		VA VA	-	_	TOTAL CONN. LOAD:	03/4	
MOTOR			_		0 VA	_	0.00%			VA VA	_		TOTAL CONN. LOAD:		
EQUIPN			-		0 VA	_	0.00%			VA	-	_	TOTAL CONN. CURRENT:		
HEATIN			_		0 VA	-	0.00%			VA VA	+-		ST. DEMAND CURRENT:		
KITCHE			_		0 VA	_	0.00%	_		VA	_	UIALI	CAPACITY:		
E)	Α		-		0 VA	_	0.00%	_		VA	_		SPARE CAPACITY:		





Shi Sac Lak	TERRICA Nor - Ba D.S. Wa Invocol, I 985-801	ucom E devioră 20 802	Blvd. S	ing & Cor uite 600	sulting
Arc 2 K Det	nitectura starsath ser, CO -788-17	Works Street 80223	hop		

SBEC Project #: Scale:	210032
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/2022

NOTE: EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT. E0.36

custo	Branch Panel: L3A MANUFACTURER NO TYPE SOLUES DNO VOLTS: 120/208 Vye INSTALLED Exercise Lygrades DRANGLED: Solution Lygrades UNIS NATING: 225 A GROUND: X AC NATING: 1000 A MAR CB:										NCRIML POWER PEED-THROUGH LUGS: MOUNTING: FLUSH ENCLOSHEE: NIMA 1 SUPPLY FROM: DOL4							
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES				B		c	POLES	TDID	LOAD DESC	PIDTION	СКТ	NOTES		
NO.LO	1	TELECOM ROOM	20 A	TULES	0.VA	T OVA				Ť	1		RECEPT. HALL 313	MITHUN	2	11012		
_	3	RESTROOM LIGHTS	20 A	1	UIA	0.47	DVA	OVA		 	1		RECEPT, HALL		1 4	+-		
	5	HEATER UNIT FC-1	20 A	1		_	0.171	01/	0 VA	0 VA	1		HEATER UNIT FC-2		6	+-		
	7	SPARE	20 A	1	0.VA	0.VA					1		HEATER UNIT FC-2		8	+		
	9	HEATER UNIT FC-3	20 A	1			0 VA	0 VA		_	1	20 A	SPARE		10	-		
		RECEPT. RM 356	20 A	1					OVA	0 VA			RECEPT. NEW OFFICES		12	+-		
	13	RECEPT. RM 356	20 A	1	0 VA	0 VA			1	1	1		SPARE		14	+		
	15	RECEPT. RM 355-356	20 A	1			0 VA	0 VA	_	_	1	20 A	SPARE		16	+		
_	17	RECEPT. RM 357	20 A	1			0.00	0.01	0 VA	-	1		SPACE		18	+-		
	19	SPARE	20 A	1	0 VA	0 VA		_			1	20 A	SPARE		20	-		
_	21	SPARI	20 A	1			0 VA	0.VA	_	_	1	20 A	SPARE		22	+		
	23	RECEPT. RM 321-322	20 A	1					OVA	0 VA	1		PLOTTER SUITE 340		24	-		
	25	RECEPT. RM 322	20 A	1	0.VA	0.VA							RECEPT BENCH		26	+-		
	27	VENDING MACHINE RM 310	20 A	1			0 VA	0 VA		_	1	20.4	RECEPT, BENCH		28	-		
	29	VENDING MACHINE RM 310 20 A					0 1/1	1	OVA	0 VA	1		RECEPT, BENCH		30	+-		
	31	TRACK LIGHTING	20 A	1	OVA	O.VA					1	20 A	RECEPT RM 340		32	-		
	33	TRACK LIGHTING	20 A	1			0 VA	0 VA		 	1	20 A	SPARE		34	+		
	35	COFFEE MAKER RM 340	20 A	- 1					OVA	D.VA	1	20 A	TRACK LIGHTING RM 320	IA.	36	-		
	37	TRACK LIGHTING	20 A	1	0 VA	0 VA									38	+		
	39	TRACK LIGHTING	20 A	- 1			n va	0.04			3	20.4	RECEPT, RM 3301		40	7		
	41	SPACE		1					-	0 VA					42	-		
			TOTA	L LOAD:	0	VA	_	VA		VA		_						
				L AMPS:		IA.		A) A								
HTG - H EQP - E	CATED EATING QUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAI	D					MTR - N KTN - K	OTCHEN APPLIANCE					
		FICATION			CTED LOAD		DEMAND FAC	TOR		D DEMAND			PANEL	TOTALS				
LIGHTIN			_		0 VA	_	0.00%			VA	_							
RECEP.			_		0 VA		0.00%			VA			TOTAL CONN. LOAD:					
MOTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND:					
EQUIPM			_		0 VA	_	0.00%			VA	_		TOTAL CONN. CURRENT:					
HEATIN			_		0 VA	_	0.00%			VA		TOTAL E	EST. DEMAND CURRENT:					
KITCHE	٧		_		0 VA	_	0.00%			VA	_		CAPACITY:					
					0 VA		0.00%			VA			SPARE CAPACITY:					

custor	MIZATIC	MANUFACTURES AND TIME SIGNARE DUF MANUFACTURES AND TIME SIGNARE AND TI											POWER		
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ	_	R	_	r.	POLES	TRIP	LOAD DESC	RIPTION CK	т Іпоте
		LIGHTING	20 A	1	0 VA	0 VA		Ť		ĭ	1		EXISTING EQUIPMENT	2	
-		LIGHTING	20 A	1	0.07	0.111	0.VA	DVA	_		-1		EXISTING FOURMENT	4	
$\overline{}$		LIGHTING	20 A	1	_	_	UM	0 1/1	0 VA	OVA	1		EXISTING EQUIPMENT	6	
-		LIGHTING	20 A	1	0 VA	0.VA		_			1	20 A	EXISTING FOURMENT	8	
-		LIGHTING	20 A	1	0 171	01/1	0 VA	0 VA	_		1		EXISTING EQUIPMENT	10	
		LIGHTING	20 A	1			277	- **	0 VA	OVA	1		EXISTING EQUIPMENT	12	
-		LIGHTING	20 A	1	D VA	0 VA			1	V //A	1		EXISTING EQUIPMENT	14	
-		LIGHTING	20 A	1	01/0	01/4	0 VA	0 VA			1		EXISTING EQUIPMENT	16	
-		LIGHTING	20 A	1	_	_	UVA	0.44	0 VA	OVA	1		EXISTING EQUIPMENT	18	
-		LIGHTING	20 A	1	0 VA	0.04	_	_	01/4	V III	1		EXISTING EQUIPMENT	20	
-		LIGHTING	20 A	1	0 47	VIA	0.VA	0.VA	_		1		EXISTING EQUIPMENT	22	
\rightarrow		LIGHTING	20 A	1	_	_	UVA	0.00	0 VA	0 VA	1		EXISTING EQUIPMENT	24	
-		LIGHTING	20 A	1	0 VA	0 VA	_	_	010	U IA	1		EXISTING EQUIPMENT	26	
\rightarrow		LIGHTING	20 A	1	0 1/4	UIA	0 VA	0 VA	_	_	1		EXISTING EQUIPMENT	28	
-		LIGHTING	20 A	1	_	_	UVA	UVA	0 VA	0 VA	1		EXISTING EQUIPMENT	30	
-	31 LIGHTING 33 SPACE		20 A	1	II VA	O.VA		_	UVA	UVA	1		EXISTING EQUIPMENT	30	
$\overline{}$			20 N	i i	UVA	0.474		-	_		1		SPACE	34	
-		SPACE		-	_	_				-	1	-	SPACE	36	
-		SPACE	-	1			_	_			1		SPACE	38	
-		SPACE		1	-	-	-	-			1	-	SPACE	40	
\rightarrow		SPACE			_			-	_		1		SPACE	40	
	41	SPACE		L LOAD:		VA		VA		VA	1		SPACE	42	
				AMPS:		A		A.		A .					
HTG - H	CATED EATING QUIPME	ENT			RCPT - REG LTG - LIGH (E) - EXIST	TING NG LOAD					MTR - MOTOR KTN - KITCHEN A		OTCHEN APPLIANCE		
		FICATION	_		CTED LOAD	,	DEMAND FAC	IUK		D DEMAND	_		PANEL 1	IUIALS	
JGHTIN			_		0 VA	_	0.00%			VA	-				
RECEPT			_		0 VA	_	0.00%			VA	+		TOTAL CONN. LOAD:		
MOTOR			_		0 VA	_	0.00%			VA	-	_	TOTAL EST. DEMAND:		
QUIPN			_		0 VA	_	0.00%			VA	+-		TOTAL CONN. CURRENT:		
EATIN			_		0 VA	_	0.00%			VA		UIAL	EST. DEMAND CURRENT:		
STCHE	N		_		0 VA	_	0.00%			VA	-		CAPACITY:		
E)					0 VA		0.00%		0	VA			SPARE CAPACITY:	400 A	

		Branch Panel: L3B MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A			WELTS: 120200 Wys PHASES: 3 WIRES: 4 GROUND: X MAIN CB:							NORMAL POWER SPD: FEED-THROUGH LUIGS: MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: DBI.4					
custo	MIZATIO	ONS:															
OTES		LOAD DESCRIPTION		POLES		Ą		В		c	POLES	TRIP	LOAD DESCRIPTION	CKT	NOT		
		RECEPT. RM 332,336,337,338	20 A	1	0 VA	0 VA					1		SPARE	2			
	3	RECEPT. RM 331-335	20 A	1			0 VA	0 VA			1	20 A	RECEPT. RM 330	4	+		
	5	WALL RECEPT. RM 300 RECEPT. RM 327-329-334-344	20 A	1	01/4	0 VA		_	0 VA	0VA	1		WALL POWER POLE RM 300 CUBICLES 46.7 RM 300	6	+		
_	7 9	RECEPT: RM 327-329,334,344 RECEPT: RM 346	20 A	1	0 VA	0 VA	0 VA	0 VA	_		1 1	20 A	COLUMN N.E. RM 300	8 10	-		
_	11	RECEPT. RM 348-354	20 A	1			UVA	UVA	0 VA	0 VA	1	20 A	CUBICLES 48.9 RM 300	10	+		
_	13	RECEPT. RM 340-354	20 A	1	0 VA	OVA		-	UVA	UVA	1		CUBICLES #10.11 RM 300	14	+		
_	15	RECEPT. RM 315	20 A	1	UVA	0.1/4	0 VA	0 VA	_	_	1		SPARE	16	+		
		SPARE	20 A	1		_	UVA	0 1/4	0 VA	0 VA	1		SPARE	18	+		
_	19	COLUMN RM 300	20 A	1	0 VA	0 VA	_	_	UVA	0.44	1	30 A	COLUMN RECEPT. RM 300	20	-		
-	21	EAST PERIMETER WALL RECEPT.	20 A	1	- 1/2		0 VA	0 VA			1		QUAD WALL RECEPT, RM 300	22	+		
	23	WEST PERIMETER WALL RECEPT.	30 A	1			V 111	0.171	0.VA	OVA	1		COFFEE MAKER	24	_		
	25	CUBICLES #2.3 RM 300	20 A	1	0 VA	0 VA								26	+		
	27	CUBICLES #4.5 RM 300	20 A	1	0.00	0.111	0 VA	0 VA	_	_	2	30 A	COPIER 208 VOLT	28	-		
		FLOOR BOXES RM 314	20 A	1					0 VA	OVA	1	20 A	CUBICLE #1 RM 300	30	_		
	31	VENDING MACHINE RM 310	20 A	1	0 VA	0 VA					-1	20 A	SPARE	32			
	33	COPIER RM 320E	20 A	1			0 VA	0 VA			1		SPARE	34	_		
	35	POWER POLE	20 A	1					0 VA	0 VA	1	20 A	VENDING MACHINE RM 310	36			
	37	POWER POLE	20 A	1	0 VA	0 VA					1	20 A	RECEPTACLE	38			
	39	9 POWER POLE 20 A 1			0 VA	0 VA			-1	20 A	COPIER	40					
	41	POWER POLE	20 A	1					0 VA	OVA	1	20 A	POWER POLE	42			
	43	SPARE	20 A	1	0 VA	-					1		SPACE	44			
	45	SPARE	20 A	1			0 VA				1		SPACE	46			
	47	SPARE	20 A	1					0 VA		1		SPACE	48			
	49	SPARE	20 A	1	0 VA						1		SPACE	50			
	51	SPARE	20 A	1			0 VA				1		SPACE	52			
	53	SPARE	20 A	1					0 VA		1		SPACE	54			
				L LOAD:		VA A		VA 14		VA I A	J						
TG - H	END: NDICATED FULLY BUSSED SPACE TO BE PROVIDED HEATING - EQUIPMENT				RCPT - REG LTG - LIGH (E) - EXIST	CEPTACLI TING						MTR - F	MOTOR LITCHEN APPLIANCE	,			
OAD C	LASSIF	FICATION	-	CONNE	CTED LOAD	—	DEMAND FA	CTOR	ESTIMATI	ED DEMAND	\neg		PANEL TOTALS				
IGHTIN	VG				0 VA	-	0.00%		0	VA							
RECEP	TACLE				0 VA		0.00%		0	VA			TOTAL CONN. LOAD: 0 VA				
OTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA				
QUIPN					0 VA		0.00%			VA			FOTAL CONN. CURRENT: 0 A				
EATIN			$ \Box$		0 VA		0.00%			VA	1	OTAL	ST. DEMAND CURRENT: 0 A				
KITCHE	N .				0 VA		0.00%			VA			CAPACITY: 225 A				
E) OTES:					0 VA		0.00%		- 0	VA			SPARE CAPACITY: 225 A				





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SBEC Project #:	21003
Scale:	
Drawn By:	1
Designed By:	JRWO
Checked By:	ACRU

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		Branch Panel: L4C MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A			VOLTS PHASES WIRES GROUND MAIN CB	4 X	łye		NOSALA POWER SPD. FEED-THROUGH LUGS: X MOUTHING: SURFACE ENCLOSURE: NEAN 1 SUPPLY ROOM, TALC							
custor		ONS:														
NOTES		LOAD DESCRIPTION		POLES		A		В		С	POLES	TRIP	LOAD DESC		OKT NOT	
		RECEPT. COMPUTER LAB	20 A	1	0 VA	0 VA					1	20 A	RECEPT. COMPUTER LA		2	
	3	RECEPT. COMPUTER LAB	20 A	1			0 VA	0 VA			1	20 A	RECEPT, COMPUTER LAI		4	
	5	RECEPT. COMPUTER LAB	20 A	- 1					0 VA	0 VA	1	20 A	RECEPT. COMPUTER LAI	8	6	
	7	RECEPT. COMPUTER LAB	20 A	1	0 VA	0 VA					1	20 A	RECEPT. COMPUTER LAI		8	
	9	RECEPT. COMPUTER LAB	20 A	-1			0 VA	0 VA			1	20 A	RECEPT. COMPUTER LAI		10	
\neg		RECEPT. COMPUTER LAB	20 A	1					0 VA	0 VA	1	20 A	RECEPT. COMPUTER LA		12	
	13	RECEPT. COMPUTER LAB	20 A	1	0 VA	0 VA					1	20 A	RECEPT. COMPUTER LA		14	
	15	RECEPT. COMPUTER LAB	20 A	1			0 VA	0 VA			1	20 A	PROJECTOR		16	
	17	SPARE	20 A	1					0 VA	0 VA	1	20 A	RECEPT. COMPUTER LA		18	
	19	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE		20	
	21	SPACE		- 1				-			1		SPACE		22	
	23	SPACE	-	1					-		1		SPACE		24	
	25	SPACE	-	1	-	-					1	-	SPACE		26	
	27	SPACE		- 1				-			1		SPACE		28	
	29	SPACE	-	1					-	-	1	-	SPACE		30	
	31	1 SPACE - 1			-						-1		SPACE		32	
	33	SPACE	-	1				-			1		SPACE		34	
	35	SPACE	-	1					-	-	-1	-	SPACE		36	
	37	SPACE		1							1		SPACE		38	
	39	SPACE		1				-			1		SPACE		40	
\neg	41	SPACE		1					-		1		SPACE		42	
			TOTAL	L LOAD:	0	VA	0	VA	- 0	VA						
			TOTAL	L AMPS:		I A) A	-	I A	•					
HTG - H	END: IDICATED FULLY BUSSED SPACE TO BE PROVIDED - HEATING - EQUIPMENT				RCPT - REG LTG - LIGH (E) - EXIST	TING ING LOAD					MTR - MOTOR KTN - KTCHEN APPLIANCE					
		FICATION			CTED LOAD		DEMAND FAI	CTOR		ED DEMAND			PANEL 1	TOTALS		
IGHTIN			$ \Box$		0 VA		0.00%			VA						
ECEP1					0 VA		0.00%			VA			TOTAL CONN. LOAD:			
OTOR			$ \Box$		0 VA		0.00%			VA			TOTAL EST. DEMAND:			
QUIPN					0 VA		0.00%			VA			TOTAL CONN. CURRENT:			
EATIN			-		0 VA	-	0.00%			VA	47	OTAL	EST. DEMAND CURRENT:			
JTCHE	N				0 VA		0.00%			VA			CAPACITY:			
E)					0 VA		0.00% 0.VA			VA SPARE CAPACITY: 83 A						

		Branch Panel: H4 MANUFACTURER AND TYPE: SOLURE D N: INSTALLED: Electrical Upgr DEMOLISHED: None BUS RATING: 400 A AIC RATING: 3900 A		VOLTS: 480/277 Wys PHASES: 3 WIRES: 4 GROUND: X MAIN CB:								NOEML FOWER SPD. FEED-THROUGH LUGS: X MOUTTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: CDHH							
custo	MIZATIC	ONS:																	
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES	TRIP	LOAD DESCRIPTION	CKT	NOTE				
		LIGHTING RM 414	20 A	1	0 VA	0 V/					1		LIGHTING RM 417	2					
		LIGHTING RM 414	20 A	1			0 VA	0 VA			1	20 A	LIGHTING RM 421-425	4					
		LIGHTING RM 414	20 A	- 1					0 VA	0 VA	1	20 A	LIGHTING RM 423-428	6					
	7	LIGHTING RM 414	20 A	1	0 VA	0 V/					1	20 A	LIGHTING	8					
	9	LIGHTING RM 414	20 A	- 1			0 VA	0 VA			- 1	20 A	LIGHTING RM 433	10					
	11	LIGHTING RM 440	20 A	1					0 VA	O VA	1	20 A	LIGHTING RM 433	12					
	13	LIGHTING RM 414	20 A	- 1	0 VA	0.00					- 1	20 A	LIGHTING RM 433	14					
		SPARE	20 A	1		1	0 VA	0 VA			1		LIGHTING RM 433	16	-				
	17	LIGHTING RM 414	20 A	- 1					0 VA	0 VA	1	20 A	SPARE	18					
		LIGHTING RM 416	20 A	1	0 VA	0.00		_			1		SPARE	20	_				
		LIGHTING RM 416	20 A	1			DVA	0 VA	_	1	1	20 A	SPARE	22	+				
		LIGHTING RM 416	20 A	1					0 VA	0 VA	1	20 A	SPARE	24	-				
_		SPARE	20 A	1	0 VA	0.00		_			1	20 A	SPARE	26	+				
		SPARE	20 A	1	0.471	0.11	0 VA	0 VA	_		1	20 A	SPARE	28	+				
		SPARE	20 A	i		_	0.111	0 171	0.VA	0.VA	1	20 A	HEATING UNIT 29	30	+				
	31	SPANE.	200	-		0 1/		-	VIA	0.44	-	207	III.CATING GATI 29	32	+				
	33		-		_	0.47	`	0 VA	_		3	40 A	SPARE	34	-				
	35		-	_		-		UVA	_	OVA	٠, ١	40 A	SPARC	36	-				
	37		-			0.00		-	_	UVA	_			38	-				
			_		_	0.07	1	_			-				4				
	39		_	_				0 VA	_		3	225 A	T-2 (FOURTH)	40	LSI				
	41		_						_	0 VA	-			42					
				L LOAD:		VA		I VA		VA	J								
			TOTA	L AMPS:		I.A.		0 A) A									
ITG - H	CATED EATING QUIPME	ENT			RCPT - REG LTG - LIGH (E) - EXISTI	TING ING LOA	D						MOTOR KITCHEN APPLIANCE						
		CATION			CTED LOAD)	DEMAND FA	CTOR		ED DEMAND			PANEL TOTALS						
IGHTI		·	$-\Gamma$		0 VA	-T	0.00%			VA									
	TACLE				0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA						
MOTOR					0 VA		0.00%		0	VA			TOTAL EST. DEMAND: 0 VA						
EQUIP	MENT		\neg		0 VA	\neg	0.00%		0	VA		_	TOTAL CONN. CURRENT: 0 A						
	IG.		\neg		0 VA	\neg	0.00%		0	VA		OTAL E	EST. DEMAND CURRENT: 0 A						
					0 VA		0.00%		0	VA			CAPACITY: 400 A						
HEATIN		0.04		0.00%		n													

		MANUFACTURER AND TYPE: SQUARE DI-L INSTALLED: Biocrical Upgr DEMOLISHED: None BUS RATING: 600 A AIC RATING: 10000 A										NCHMLPOWER SPD: FEED-THROUGH LUGS: MOUNTING: FUISH ENCLOSURE: NEWA 1 SUPPLY FROME DG: 4						
USTON	MIZATIO	ONS:																
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α		В		С	POLES	TRIP	LOAD DESCRIPTION	СКТ	NOTE			
\neg	1	TELEPHONE ROOM	20 A	1	0 VA	0 VA					1		HALLWAY RECEPT.	2	\top			
	3	RESTROOMS	20 A	- 1			0 VA	0 VA			1		HALLWAY RECEPT, & RM 411	4				
	5	SPARE	20 A	1					0 VA	0 VA	1		RECEPT. RM 430	6				
_	7	SPARE	20 A	1	AV 0	0 VA					1		RECEPT. RM 430	- 8	_			
_	9	RECEPT. 428-425	20 A	1			0 VA	0 VA			1		RECEPT. RM 430	10	_			
_	11	RECEPT. RM 427	20 A	1					0 VA	0 VA	1		RECEPT. RM 420	12	-			
_	13	RECEPT. RM 427	20 A	1	0 VA	0 VA					1		RECEPT. RM 433	14	-			
_	15	RECEPT. RM 427	20 A	1			0 VA	0 VA			1		RECEPT. RM 433	16	+			
_	17	RECEPT. RM 427, 430	30 A	1					0 VA	0 VA	1	20 A	SPARE	18	-			
	19	RECEPT. RM 428, 429	20 A	1	0 VA	0 VA					1		SPARE	20	_			
_	21	TELEPHONE ROOM	20 A	1			0 VA	0 VA			1		PLOTTER & TAPEDRIVE	22	_			
	23	RECEPT. RM 423	20 A	1					0 VA	0 VA	1		PLOTTER & TAPEDRIVE	24				
	25	KEYPUNCH & SOTER	20 A	1	0 VA	0 VA					1		RECEPT. RM 418	26				
	27	DECOLLATER RM 418	20 A	1			0 VA	0 VA			1	20 A	KEYPUNCH	28				
	29	DECOLLATER RM 418	20 A	1					0 VA	0 VA	1		RECEPT. RM 460	30				
	31	PRINTER RM 418	20 A	1	0 VA	0 VA					1		READER 1 CPU	32				
	33	PRINTER RM 418	20 A	1			0 VA	0 VA			1	20 A	LOBBY LIGHTS	34				
	35	SPARE	20 A	1					0 VA	0 VA	2	30 A	AC RM 460	36				
	37	SPARE	20 A	1	0 VA	0 VA					1 '	30 A	AC RM 400	38	1_			
	39	COPIER & TELAX	20 A				0 VA	0 VA			2	30 A	AC RM 460	40	Т			
\neg	41 COPIER & TELAX 43		30 A	1					0 VA	0 VA	1 ′	30 A	AC RM 400	42	1			
\neg				_										44	-			
\neg	45													46	1			
\neg	47						1							48	-			
	49													50				
\neg	51										_			52	-			
\neg	53													54	-			
\neg	55	SPARE	20 A	1	0 VA						1		SPACE	56	-			
\neg	57	SPARE	20 A	1			0 VA	-			1	-	SPACE	58	-			
\neg	59	SPARE	20 A	- 1					OVA	-	1		SPACE	60	_			
_			TOTA	L LOAD:		VA	0	VA	0.	VA.		_			_			
				L AMPS:		i A		I A										
G - HI IP - EC	CATED EATING DUIPME	ENT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD						MTR - I KTN - K	ITCHEN APPLIANCE					
		FICATION	_		CTED LOAD		DEMAND FAC	TOR		D DEMAND	_		PANEL TOTALS					
GHTIN					0 VA		0.00%		0									
					0 VA	_	0.00%		0				TOTAL CONN. LOAD: 0 VA					
OTOR					0 VA		0.00%		0				TOTAL EST. DEMAND: 0 VA					
QUIPM			_		0 VA	_	0.00%		- 0		_		TOTAL CONN. CURRENT: 0 A					
EATING					0 VA		0.00%		0			TOTAL E	ST. DEMAND CURRENT: 0 A					
TCHE	٧		_		0 VA	_	0.00%		0		_		CAPACITY: 417 A					
)					0 VA		0.00%		0	VA			SPARE CAPACITY: 417 A		_			
OTES:																		

custo	MIZATIO	Branch Panel: L4B MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	ye		SPD: FEED-THROUGH LUGS: X MOUNTING: PULSH ENCLOSURE: YEAN 1 SUPPLY FROM: OSL4						
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		В		c	POLES	TRIP	LOAD DESC	RIPTION CK	т Поте		
	1	RECEPT, RM 413-434 FLOOR BOX 414	20 A	1	0 VA	-		Ī		Ī	1		SPACE	2	_		
	- 3	RECEPT, RM 414 PLUGMOLD	20 A	1			0 VA	-			1		SPACE	4			
	- 5	POWER POLE & LOUNGE	20 A	1					0 VA	0 VA	1	20 A	ITEK 175	6			
	7	COPIER	20 A	1	0 VA	0.0	A		—	· · · · ·							
	9	COPIER	20 A	1			0 VA	0 VA			2	20 A	WATER HEATER WOOD S	HOP 10			
	11	RECEPT, RM 414	20 A	1					0 VA	0 VA	1	20 A	RECEPT, RM 440	12			
	13	RECEPT. RM 414	20 A	1	0 VA	0.0	Α		1		1	20 A	RECEPT, RM 440	14			
	15	FLOOR BOXES 414	20 A	1	- 1//	1	0 VA	0 VA			_	2370		16			
	17	SPARE	20 A	1			-	1	0.VA	OVA	3	20 A	SPARE	18			
	19	KODAK MRG-1	20 A	1	0 VA	0.0	A		1	- "	1 1		1	20			
	21	RECEPT, RM 416	20 A	1		1	0 VA	0 VA			1	20 A	EXISTING EQUIPMENT	22			
		FACP	20 A	1			0.111	0.171	0 VA	0 VA	1	20 A	EXISTING EQUIPMENT	24			
	25	SPARE	20 A	T i	0 VA	0.0	A		1 . 1/	- "	_	-37		26			
	27	SPARE	20 A	1	- "	1	DVA	D.VA			3	15 A	SPARE	28			
	29	SPARE	20 A	1 i			0111	- 1/1	0 VA	0 VA	1 1		I	30			
	31		1-00	+ -	0 VA	0.0	Α		H-1/2	- 1/1			1	32			
	33	SPARE	15 A	3	0.474		DVA	ΠVA			3	15.4	SPARE	34			
	35	To Asia	100	1 "			UVA	0 10	0.VA	OVA	1 1	1074	OT PAIGE	36			
		RECEPT, COMPUTER LAB	30 A	1	0 VA	0.0		_	0.111	0.111	_			38			
	39	SPARE	20 A	1	01/		OVA	0 VA			3	20 A	SPARE	40			
_		PROJECTOR RM 470, 480	30 A		_	-	0.111	0177	0 VA	0 VA	1 "	2074	OT PAIGE	42			
	*1	PROJECTOR R81470, 460		LLOAD		VA	-	VA		VA	-			42			
				L AMPS:		IA.		VA I A		IA.	1						
TG - H					RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOV	ND CO						MOTOR KITCHEN APPLIANCE				
		CATION	_		CTED LOAD	,	DEMAND FAC	CTOR		D DEMAND	-		PANEL T	OTALS			
IGHTIN			_		0 VA	_	0.00%			VA							
RECEP.			_		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD:				
OTOR			_		0 VA	\rightarrow	0.00%			VA			TOTAL EST. DEMAND:				
			-		0 VA	-	0.00%			VA	-		TOTAL CONN. CURRENT:				
HEATIN					0 VA		0.00%			VA	Ι.	TOTAL	EST. DEMAND CURRENT:				
KITCHE	N		_		0 VA	\rightarrow	0.00%			VA			CAPACITY:				
					0 VA		0.00%			VA			SPARE CAPACITY:				





ſ	ELECTRICAL: Shafter - Basconi Engineering & Consulting 3500 S. Wadeworth Blvd. Salte 500 Laterwood, CD 90226 300-999-9207
	ARCHITECT: Architectural Workshop 2 Kalamath Smat Denier, CO 980223 300-788-1717

SBEC Project #: Scale:	210032
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ADRIJE

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

custon	IIZATIO	Branch Panel: L4B2 MANUFACTURER AND TYPE: SOLIARE D IN INSTALLED: Electrical Up DEMOLSHED: None BUS RATING: 20000 A AIC RATING: 10000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	ye		F		NCRIMAL SPD: HROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DBL4			
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α		В	T .	0	POLES	TRIP	LOAD DESC	RIPTION	СКТ	NOTES
	1	EF-1	20 A	1	0 VA	0 VA					1		PROXXON RECEPT.		2	-
	3	SAW TRAX 1000	20 A	1			0 VA	0 VA	1						4	+-
	5						-		OVA	0 VA	2	20 A	WOODSHOP RECEPT.		6	1
l t	7	EXISTING EQUIPMENT	50 A	3	0 VA	0 VA									- 8	-
l 1	9						0 VA	0 VA			2	20 A	SPARE		10	1
	11	SPARE	20 A	- 1					OVA	0 VA	,				12	-
	13	SPARE	20 A	1	0 VA	0 VA					1 °	30 A	SPARE		14	1
	15	SPARE	20 A	1			0 VA	0 VA			2	30 A	EXISTING EQUIPMENT		16	$\overline{}$
	17	SPARE	20 A	1					0 VA	0 VA	1 °	30 A	EXISTING EQUIPMENT		18	1
	19	SPARE	20 A	1	0 VA	-					1		SPACE		20	$\overline{}$
	21	SPARE	20 A	- 1			0 VA				- 1		SPACE		22	$\overline{}$
	23	SPARE	20 A	1					0 VA	-	1		SPACE		24	$\overline{}$
	25	SPARE	20 A	1	0 VA	-					1		SPACE		26	
	27	SPARE	20 A	- 1			0 VA	**			1	**	SPACE		28	
	29	SPARE	20 A	1					0 VA	-	1		SPACE		30	
				L LOAD:		VA.		VA A	0	VA A						
HTG - HE EQP - EC	ATED ATING SUIPME	INT			RCPT - REC LTG - LIGH (E) - EXISTI	TING ING LOAD							WOTOR STCHEN APPLIANCE			
LOAD CL		ICATION	_		CTED LOAD	,	DEMAND FAC	TOR		D DEMAND	-		PANEL 1	IOTALS		
LIGHTIN			_		0 VA	_	0.00%	_		VA	+		TOTAL CONN. LOAD.	0.114		
RECEPT. MOTOR	AULE		_		O VA	_	0.00%			VA VA	-		TOTAL CONN. LOAD: TOTAL EST, DEMAND:			
EQUIPM			_		0 VA	_	0.00%	_		VA VA	_	_	TOTAL CONN. CURRENT:			
HEATING			_		0 VA	_	0.00%			VA VA	-		EST. DEMAND CURRENT:			
KITCHEN			-		0 VA	-	0.00%	-		VA VA	_	OIAL	CAPACITY:			
(E)	_		_		0 VA	_	0.00%	-		VA	-		SPARE CAPACITY:			
NOTES:					VIA	_	0.0039			*^	_		SPARE CAPACITI.	10074		_

custo	MIZATIO	Branch Panel: L4D1 MANUFACTURER AND TYPE: SQUARED INSTALLED: Electrical Up DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A					VOLTS PHASES WIRES GROUND MAIN CB	4 X	ye		,		NORMAL SPD: IROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: L4D			
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α	1	В	1	С	POLES	TRIP	LOAD DESC	RIPTION	СКТ	NOTE
		RECEPT RM 490	20 A	1	OVA	0.VA		Ï		Ť			20.0.0200		2	+
	3	RECEPT. RM 490	20 A	1			0 VA	0 VA			3	30 A	60 GAL COMPRESSOR		4	1
	- 5	RECEPT, RM 490	20 A	- 1					0 VA	0 VA					- 6	1
	7	RECEPT. RM 490	20 A	1	0 VA	0 VA					1	20 A	SPARE		8	-
	9	F/S DAMPERS	20 A	- 1			0 VA	0 VA			1	20 A	JOINTER		10	-
	11	COMPRESSOR QUAD	20 A	- 1					0 VA	OVA	1	20 A	DRUM SANDER		12	-
	13	SPARE ABOVE 450 B1	20 A	1	0 VA	0 VA				-	1	20 A	RECEPT, PAINT BOOTH		14	-
	15						D.VA	0.VA	1		1	20 A	EQ43,45,46		16	+
	17	LASER CUTTER	20 A	2					0 VA	0 VA	1	20.4	EQ COLUMN RECEPT.		18	-
	19		_		0 VA	0.VA	_								20	-
	21	LASER CUTTER	20 A	2	0.111	9 111	0 VA	0 VA	_		2	30 A	SPARE		22	1
		SPARE	20 A	1			0.17	VIA	0.VA	0 VA	-	20 A	TRANE/ROOF GECI		24	+
_	25	JFAN.	20 A	-	OVA	D.VA	_	_	0.44	0.44		207	TRANSMISSION OF CIT		26	+
	27	EQ 47 PAINTBOOTH EXHAUST	15 A	3	OIA	0 111	0 VA	0 VA			3	100 4	PLANER		28	-
	29	EQ417AINIDOOTTEADAOST	100		_	_	0.44	UIA	0 VA	0 VA	, ,	100 H	- LANEIX		30	-
_	31		_		0 VA	0 VA	_	_	0.44	UVA	1	20 A	SPARE		32	-
	33	SPARE	20 A	2	UVA	UVA	0.VA	0 VA			÷	20 A	SPARE		34	-
		SPARE	20 A				UVA	UVA	OVA	DVA	+	20 A	SPARE		36	-
		SPARE SPARE	20 A	1	0 VA	-	_		UVA	UVA	1		SPACE		36	-
_		SPARE	20 A		UVA		0 VA	_	-	_			SPACE		40	+
				1			UVA				1					_
	41	SPARE	20 A	1			_		0 VA	-	1		SPACE		42	_
				L LOAD:		VA		VA		VA						
	_		TOTA	L AMPS:		A		I A		A						
"" INDI HTG - H	NDICATED FULLY BUSSED SPACE TO BE PROVIDED RCPT - REC. - HEATING LTG - LIGHT - ECUIPMENT (E) - EXISTI					TING					MTR - I KTN - F	WOTOR STCHEN APPLIANCE				
LOAD C	LASSIF	ICATION		CONNE	CTED LOAD		DEMAND FAC	CTOR	ESTIMATE	D DEMAND	\neg		PANEL 1	OTALS		
LIGHTIN	IG.				0 VA		0.00%		0	VA	\neg					
RECEP*	FACLE				0 VA		0.00%		0	VA	\neg		TOTAL CONN. LOAD:	0 VA		_
MOTOR					0 VA		0.00%		0	VA			TOTAL EST. DEMAND:			
EQUIPM	ENT				0 VA		0.00%		0	VA	\neg		TOTAL CONN. CURRENT:	0 A		
HEATIN	G				0 VA		0.00%		0	VA	,	OTAL	EST. DEMAND CURRENT:	0 A		_
КІТСНЕ	N				0 VA		0.00%		0	VA			CAPACITY:	200 A		_
(E)					0 VA		0.00%		0	VA	\neg		SPARE CAPACITY:	200 A		
HEATIN KITCHE (E) NOTES:	G N			0 VA 0 VA 0 VA 0 VA 0 VA		0.00%		0 VA 0 VA 0 VA 0 VA		TOTAL EST. DEMAND CURRENT: 0 A TOTAL EST. DEMAND CURRENT: 0 A CAPACITY: 200 A SPARE CAPACITY: 200 A		0 A 200 A				

custon	AIZATIC	Branch Panel: L4B1 MANUFACTURER AND TYPE: SQUARED NO INSTALLED: Biectrical Upgra DEMOLISHED: None BUS RATING: 200 A AIC RATING: 10000 A	des				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	: 4 : X			,		NORMAL SPD: ROUGH LUGS: X MOUNTING: SURFACI ENCLOSURE: NEMA 1 SUPPLY FROM: DBL4					
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α.	_	В		С	POLES	TOID	LOAD DESC	PIRTION	скт	NOTES		
	1	EGNO DESCRIPTION	Hor	FOLLS	0 VA	O VA		Ĭ		ĭ	2		DELTA BAND SAW	ANT TON	2	110.00		
[3	TURIT VAC	30 A	3			0 VA	0 VA			1 '	20 A	DELTA BAND SAW		4	1		
\vdash	5 7	SPARE	20 A	1	OVA	0 VA	_	-	0.VA	0 VA	2	30 A	D.E. SANDER		6 8	4		
\vdash	9		_		UVA	UVA	0 VA	0 VA		_	-				10	-		
l t	11	PLUGMOLD SOUTH	20 A	2					0 VA	0 VA	2	40 A	SPARE		12	1		
	13	·				0 VA					2	20 A	SPARE SOUTH CEILING		14	Γ^{-}		
\vdash	15		_					0 VA		0 VA	1		WATER HEATER		16	+		
\vdash		PLUGMOLD EAST	20 A	1	OVA	0 VA				UVA	_				20	-		
\vdash		DELTA SANDING CTR	20 A	1	0.00	, ···	0 VA	0 VA			2	30 A	P.M. TABLE SAW		22	1		
	23	DRUM SANDER	20 A	2					0 VA	0 VA	1	20 A	EPO SWITCH		24			
\vdash	25	PLUGMOLD EAST	20 A		0 VA	0 VA	0 VA	0 VA			2	30 A	S.T. TABLE SAW		26 28	4		
\vdash	27			1		-	UVA	OVA	0 VA	0 VA	1	20.4	SPARE		30	+-		
l t	31	DELTA DUST COLLECTOR	20 A	2	0VA	0 VA									32	-		
	33						0 VA	0 VA			3	30 A	JOINTER		34	1		
1 1	35 MINI MAX SAW 37		20 A	3	0 VA	0 VA			0 VA	0 VA	-	20 A	SPARE		36	₩		
\vdash	39	9 514455		_	UVA	UVA	0 VA	0.VA		_	-				40	-		
l t	41								0 VA	0 VA	2	2 20	20 A	CEILING N. EAST		42	1	
	43	SPARE	30.4 2		30 A	2	0 VA	0 VA					2	20 A	SPARE		44	
\vdash	45	SPARE	20 A	1		_	0 VA	0 VA	0.VA	D.VA	-	20 A	SPARE		46	₩		
-	49	SPARE	20 A	1	OVA	-	_	_	UVA	UVA	1	20 A	SPACE		50	-		
-	51	SPARE	20 A	1	UM		0 VA	-					SPACE		52	-		
	53	SPARE	20 A	- 1					0 VA	-	1		SPACE		54			
	56	SPARE	20 A	1	AV0	-					1		SPACE		58			
\vdash	57	SPARE SPARE	20 A	1		_	0 VA		0 VA		1		SPACE SPACE		58 60	₩		
\vdash	59	Grand		L LOAD:	0	VA.	0	VA		VA		-	DPAGE		60	_		
								I A) A	,							
HTG - H	END: SUICATED FULLY BUSSED SPACE TO BE PROVIDED HEATING LEAGUREMENT D CLASSIFICATION TING EPTACLE	RCPT - RECE LTG - LIGHTIN (E) - EXISTING									MTR - N KTN - K	ITCHEN APPLIANCE						
				CTED LOAD		DEMAND FAC	CTOR		D DEMAND			PANEL	TOTALS					
LIGHTIN		-		0 VA	_	0.00%	$\overline{}$		VA VA	+		TOTAL CONN. LOAD:	0.114					
MOTOR		+		0 VA	+	0.00%	_		VA VA	+		TOTAL EST, DEMAND:						
EQUIPM		ENT		0 VA	-	0.00%			VA	-		OTAL CONN. CURRENT:	0 A		_			
HEATIN					0VA		0.00%			VA	1	OTAL E	ST. DEMAND CURRENT:					
KITCHE	٧		-		0 VA	_	0.00%	_		VA	_		CAPACITY: SPARE CAPACITY:					
(E) NOTES:					AV 0		0.00%		- 0	VA			OPARE CAPACITY:	200 A				

	Branch Panel: L4D MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Electrical Upgra DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	•				NORMAL SPD: IROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: T-4D		
USTOMIZATIO	ONS:													
OTES CKT	LOAD DESCRIPTION	TRIP	POLES		Ą.		В		9	POLES		LOAD DESC		T NOT
1 3	EXHAUST FAN LASER CUTTER	20 A	3	0 VA	0 VA	0 VA	0 VA			1	20 A	SPARE WOODSHOP RECEPT.	2	
5	EXHAUST FAN LASEN CUTTER	20 A	3		_	UVA	UVA	0 VA	0 VA	+	20 A	SPARE	- 4	+
7		-	_	0 VA	0 VA	_	_	UVA	UVA	1		AIR CLEANER/WALL REC		-
9	EXHAUST FAN LASER CUTTER	20 A	3	UVA	UVA	0 VA	0.VA		_	H +	20 A	BRYNE RECEPT.	CF1. 10	-
11	EXTROST PAR EXSER COTTER	200	-		_	0.44	UIA	OVA	0 VA	-	200	DICTRIC RECEPT.	12	
13		-	-	0 VA	0 VA	_		UVA	UVA	3	30 A	SPARE	14	
15	EXHAUST FAN LASER CUTTER	20 A	3	01/4	UVA	0.VA	0.VA		_	1 "	307	OF ALL	16	
17	ENGRICOTTEN DIOCHTOOTTEN	2011			_	0 171	0.17	0 VA	0 VA	1	20.6	WALL RECEPT.	15	
19		 	+-	0.VA	0.VA			- VA	U VA	+	35 A	SPARE	20	
21	EXHAUST FAN LASER CUTTER	20 A	3	- 7/1		0 VA	0 VA			_			22	
23	ENGAGOT FAIR ENGLINGOTTEN	1 ***			 	010	VIA	0 VA	0 VA	2	20 A	SPARE	24	
25		_		0 VA	0 VA	_		9 111	0.171		_		20	
27	ONEIDA DUST COLLECTOR	20 A	3	- VIII	0.411	0 VA	0 VA		_	2	20 A	THERMAL FORMER	28	
29			-		 			0 VA	0 VA	_	_		30	
31		-		0 VA	0 VA	_		V III	0 1/1	2	20 A	LASER CUTTER	33	
33	ONEIDA DUST COLLECTOR	20 A	3			0 VA	0 VA						34	
35	OHEDITOOT GOLLLOTOT	2011				0.471	0.111	0 VA	0 VA	2	20 A	LASER CUTTER	36	
37	AIR CLEANERS	20 A	1	O.VA	0 VA					1	35 A	SPARE	38	
39	RECEPT. RM 440	20 A	1			0 VA	0 VA			1	20 A	RM 440 LASER	40	-
41	RM 440 CLOSET	20 A	1		_	0.00		0 VA	0 VA	1		RM 440 SCREEN	42	
43				0 VA	0 VA				9.111				44	
45	SPARE	20 A	2			0 VA	0 VA			3	20 A	SPARE	46	
47	SPARE	20 A	1					0 VA	0 VA	1 "			46	
49	SPARE	20 A	1	0 VA	-					1		SPACE	50	-
51	SPARE	20 A	- 1		1	0 VA	-			1		SPACE	52	_
53	SPARE	20 A	1					0 VA	-	1		SPACE	54	
56	SPARE	20 A	1	0.VA	-					1		SPACE	56	-
57	SPARE	20 A	1			0 VA				1		SPACE	58	_
59										1	-	SPACE	60	\neg
	•			0	VA	0	VA	0.	VA		_			
					A		I.A.		A					
GEND: INDICATED G - HEATING IP - EQUIPME	FULLY BUSSED SPACE TO BE PROVIDED			RCPT - REI LTG - LIGH (E) - EXIST	TING						MTR - I	WOTOR STCHEN APPLIANCE		
AD CLASSIF	CATION	\neg	CONNE	CTED LOAD	0	EMAND FAC	TOR	ESTIMATE	D DEMAND	\neg		PANEL 1	TOTALS	
SHTING				0 VA		0.00%		0	VA					
CEPTACLE		-		0 VA		0.00%		0	VA	\neg		TOTAL CONN. LOAD:	0 VA	
OTOR				0 VA		0.00%		0	VA			TOTAL EST. DEMAND:	0 VA	
UIPMENT				0 VA		0.00%		0	VA	\neg		TOTAL CONN. CURRENT:		
ATING				0 VA		0.00%		0			TOTAL I	EST. DEMAND CURRENT:		
TCHEN				0 VA		0.00%		0	VA	\neg		CAPACITY:		
)				0 VA		0.00%		0	VA	\neg		SPARE CAPACITY:	200 A	
OTES:														





ELECTRICAL: Shafter - Bascon Engineering & Consulting 3500 5: Wasteverth Brvd. Salte 500 Litelevock, CO 80236 303-989-9200
ARCHITECT: Architectural Workshop 2 Kalemath Street Dense, CO 90223 SOS 783-1717

SBEC Project #: Scale:	210032
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

		Branch Panel: L5A MANUFACTURER AND TYPE: SQUARE D INSTALLED: Electrical Up DEMOLISHED: None BUS RATING: 225 A AIC RATING: 22000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	ye	NORMAL FOWER SPO FEED-THROUGH LUGS: X MOUNTHE, FLUSH SUPPLY FROM SUPPLY FROM					
custor	MIZATIC	ONS:	_												
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES		LOAD DESCRIPTION	CKT	NOTE
		TELEPHONE RM	20 A	1	O VA	0 VA					1	20 A	HALLWAY RECEPT /WATER COOLER	2	
		RESTROOM LIGHTS	20 A	- 1			0 VA	0 VA			1	20 A	HALLWAY RECEPT.	4	
		RECEPT. 6C,D	20 A	- 1					0 VA	0 VA	1	20 A	SPARE	- 6	
		RECEPT, 5C,D	20 A	- 1	0 VA	0 VA					1	20 A	POWER POLES RM 520	- 8	
		RECEPT. 7C,C	20 A	- 1			0 VA	0 VA			1 1	20 A	POWER POLES RM 521	10	
_		WIREMOLD SA,B /UNDERWINDOW	20 A	1					0 VA	0 VA	1	20 A	POWER POLES RM 520	12	_
		WIREMOLD 1C,D /UNDERWINDOW	20 A	- 1	0 VA	0 VA					1	20 A	POWER POLES RM 519	14	
_		RECEPT. 7A,C,6B,D	20 A	- 1			0 VA	0 VA			1	20 A	POWER POLES RM 518	18	_
		RECEPT, 3A,B	20 A	- 1					0 VA	0 VA	1	20 A	POWER POLES RM 518 E STUDIO	18	
_		RECEPT. 2A,B	20 A	- 1	AV 0	0 VA					1	20 A	POWER POLES RM 522	20	_
		FLOOR BOX 3C	20 A	- 1			0 VA	0 VA			1	20 A	POWER POLES RM 523	22	
		WIREMOLD 7A,B	20 A	- 1					0 VA	0 VA	1	20 A	POWER POLES RM 522 E STUDIO	24	_
$\overline{}$		SPARE	20 A	1	AV 0	0 VA					1	20 A	SPARE	26	_
		EXISTING EQUIPMENT	20 A	- 1			0 VA	0 VA			1 1	20 A	SPARE	28	
_		SPACE		- 1						0 VA	1	20 A	SPARE	30	_
		SPACE		- 1		0 VA					1	20 A	SPARE	32	
_		RECEPTACLES	20 A	- 1			0 VA				1		SPACE	34	_
		COPIER	20 A	- 1					0 VA	-	1		SPACE	36	_
		SPACE		- 1							1 1	**	SPACE	38	
		SPACE		- 1							1		SPACE	40	
	41	SPACE		- 1							1	**	SPACE	42	
				L LOAD:		VA		VA		VA	J				
			TOTA	L AMPS:) A		A		A					
" INDII HTG - H EQP - EI	DEND: NOTICATED FULLY BUSSED SPACE TO BE PROVIDED 3 - HEATING > - EQUIPMENT			RCPT - RECEPTI LTG - LIGHTING (E) - EXISTING L									WOTOR RITCHEN APPLIANCE		
		FICATION	-		CTED LOAD	0 0	EMAND FAC	TOR		D DEMAND			PANEL TOTALS		
IGHTIN			_		0 VA	_	0.00%			VA	_				
RECEPT			_		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD: 0 VA		
OTOR			_		0 VA	_	0.00%	$\overline{}$		VA	_		TOTAL EST. DEMAND: 0 VA		
QUPM			_		0 VA	_	0.00%			VA	_		TOTAL CONN. CURRENT: 0 A		
EATIN			_		0 VA	_	0.00%	_		VA		UIAL	EST. DEMAND CURRENT: 0 A		
KITCHE	4		-		0 VA	_	0.00%			VA	_		CAPACITY: 200 A		
E)				0 VA			0.00%			VA			SPARE CAPACITY: 200 A		

		MANUFACTURE AND TYPE: SQUARE D NF INSTALLED: Electrical Upgn DEMOLISHED: None BUS RATING: 225 A AIC RATING: 35000 A DNS:					PHASES:	480/277 W	ун		_		SPD:						
=							WIRES: GROUND: MAIN CB:	×			,		IROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: MDC						
=		LOAD DESCRIPTION	TRIP	POLES		Δ		R	_	c	POLES	TRIP	LOAD DESC	PIPTION	CKT	NOTES			
		LIGHTS 16A.B	20 A	1	0 VA	O VA		Ť		Ĭ	1		HVAC 68. 5C	nui non	2				
		LIGHTS 20A,B,C,D	20 A	1	0.01		0 VA	0 VA	_		1		LIGHTS 5C.D 6C. D		4	_			
		SPARE	20 A	1					0.04	0.04	1		LIGHTS 3A.B.C.D 6A.B		6	-			
_	7	EXISTING HVAC	20 A	1	0 VA	0 VA					1		LIGHTS SA,B		8	-			
-		LIGHTS 1A.B	20 A	1			0 VA	0 VA	_		1		LIGHTS 2C.D		10	-			
_		LIGHTS 11C D. 16B	20 A	1					0 VA	OVA	1		LIGHTS 2A.B		12	-			
		LIGHTS 9C.D. 14B	20 A	1	0 VA	0 VA			1 . 1/1	- "	1		LIGHTS 7C.D		14	-			
		LIGHTS 14A.C.D	20 A	1			0 VA	0 VA			1		LIGHTS 7A.B		16	_			
	17	LIGHTS	20 A	1					0 VA	0 VA	1	20 A	LIGHTS		18				
		LIGHTS	20 A	1	0 VA	0 VA		_			1		SPARE		20	_			
	21	LIGHTS	20 A	1			0.VA	0.VA			1	20 A	SPARE		22				
	23	SPARE	20 A	1					0 VA	0 VA	1	20 A	HVAC 11D		24				
	25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE		26				
	27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE		28				
	29	SPARE	20 A	1					0 VA	OVA	1	20 A	SPARE		30	-			
	31	SPACE		1							1		SPACE		32				
-	33	SPACE	-	1			-	-			1	-	SPACE		34	_			
	35	SPACE		1							-1		SPACE		36				
	37	SPACE	-	1					1		1		SPACE		38				
	39	SPACE		1			-				1		SPACE		40				
	41	SPACE		1							1		SPACE		42				
			TOTA	L LOAD:	0	VA	0.	VA	0	VA	_								
			TOTA	L AMPS:		A		A	0	A	,								
HTG - HEA	END: NDICATED FULLY BUSSED SPACE TO BE PROVIDED - HEATING - EQUIPMENT		FULLY BUSSED SPACE TO BE PROVIDED				TOTAL AMPS: 0 A RCPT - RECEPTA LTG - LIGHTING [E] - EXISTING LO			TING					MTR - N KTN - K	IOTOR ITCHEN APPLIANCE			
LOAD CLA		ICATION			CTED LOAD	_	DEMAND FAC	TOR		D DEMAND			PANEL T	OTALS					
LIGHTING					0 VA		0.00%		0										
	VCLE				0 VA		0.00%		0				TOTAL CONN. LOAD:						
MOTOR		$-\Gamma$		0 VA	$-\Gamma$	0.00%		0				TOTAL EST. DEMAND:							
EQUIPMEN					0 VA		0.00%			VA			OTAL CONN. CURRENT:						
HEATING			-		0 VA		0.00%		0			OTAL E	ST. DEMAND CURRENT:						
KITCHEN					0 VA		0.00%			VA			CAPACITY:						
(E) NOTES:					0 VA		0.00%		0	VA			SPARE CAPACITY:	225 A					

custo	MIZATIO	Branch Panel: L8C MANUFACTURER AND TYPE: SQUIARE INSTALLED: Electrical DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A ONS:					VOLTS: PHASES: WIRES: GROUND: MAIN CB	4 X	ie.		F		NORMAL POWER SPD: 4ROUGH LUGS: MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: T-LSC		
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ.		B	Π	С	POLES	TRIP	LOAD DESCRIPTION	СКТ	NOTE
	1	COMPUTER RECEPT 810	20 A	1	1400 VA	0 VA				i –	1	20 A	SPARE	2	-
$\overline{}$	3	COMPUTER RECEPT 810	20 A	- 1			1400 VA	0 VA			-	20 A	SPARE	4	1
	- 5	COMPUTER RECEPT 810	20 A	- 1					1400 VA	0 VA	1	20 A	SPARE	- 6	-
	7	COMPUTER RECEPT 810	20 A	- 1	1400 VA	0 VA					2			8	_
	9	COMPUTER RECEPT 810	20 A	- 1			1400 VA	0 VA			12	20 A	SPARE	10	1
-	11	COMPUTER RECEPT 810	20 A	1					1400 VA	0 VA				12	-
	13	COMPUTER RECEPT, - 810	20 A	- 1	1400 VA	0 VA				T	2	30 A	SPARE	14	1
	15	COMPUTER RECEPT 810	20 A	1			1400 VA	0 VA		_	1	20 A	SPARE	16	_
	17	COMPUTER RECEPT 810	20 A	- 1			1		1400 VA	1400 VA	1	20 A	COMPUTER RECEPT 805A	18	_
	19	COMPUTER RECEPT 810	20 A	1	1400 VA	1400 VA	_				1	20 A	COMPUTER RECEPT 805A	20	-
-	21	COMPUTER RECEPT 810	20 A	1			1400 VA	1400 VA		_		20 A	COMPUTER RECEPT 805A	22	_
	23	COMPUTER RECEPT 810	20 A	- 1					1400 VA	1400 VA	1	20 A	COMPUTER RECEPT 805A	24	
	25	COMPUTER RECEPT 806A	20 A	1	1400 VA	1400 VA	_				1	20 A	COMPUTER RECEPT 805A	26	-
	27	COMPUTER RECEPT - 805A	20 A	- 1			1400 VA	1400 VA			-	20 A	COMPUTER RECEPT 805A	28	
	29	COMPUTER RECEPT 805A	20 A	1					1400 VA	0 VA	1	20 A	SPARE	30	-
	31	COMPUTER RECEPT 805A	20 A	1	1400 VA	0 VA						20 A	SPARE	32	_
	33	COMPUTER RECEPT 805A	20 A	- 1	1100 111		1400 VA	0 VA			1	20 A	SPARE	34	-
	35	COMPUTER RECEPT 806A	20 A	1					1400 VA	0 VA		20 A	SPARE	36	_
	37	COMPUTER RECEPT 805A	20 A	- 1	1400 VA	0.VA					1	20 A	SPARE	38	
	39	COMPUTER RECEPT 805A	20 A	- 1	1100 111		1400 VA			_			SPACE	40	-
	41	SPACE	2074	1			1400 110	_	-	-	-	-	SPACE	42	+-
		OT TIGE	TOTA	LOAD:	120	IO VA	120	00 VA	112	00 VA	_		017100	1.0	_
				AMPS:		7 A		7 A		3 A					
TG - H				RCPT - RECEPTACLE LTG - LIGHTING (E) - EXISTING LOAD			LE D						WOTOR RITCHEN APPLIANCE		
		ICATION	_		CTED LOAD	, , ,	DEMAND FAC	TOR		D DEMAND	-		PANEL TOTALS		
IGHTIN			_		0 VA	_	0.00%	_		VA	_				
	TACLE		_		400 VA	_	63.74%	_		00 VA	_		TOTAL CONN. LOAD: 36400 VA		
OTOR				0 VA	_	0.00%	_		VA	_		TOTAL EST. DEMAND: 23200 VA			
QUIPM			_		0 VA	_	0.00%	\rightarrow		VA	_		TOTAL CONN. CURRENT: 101 A		
EATIN		_		0 VA	_	0.00%	_		VA		OTAL	EST. DEMAND CURRENT: 64 A			
(ITCHE	N				0 VA	_	0.00%	_		VA	_		CAPACITY: 200 A		
					0 VA		0.00%		0	VA			SPARE CAPACITY: 136 A		

custo	MIZATIO	Branch Panel: L5B MANUFACTURER AND TYPE: SQUARE D INSTALLED: Electrical U; DEMOUSHED: None BUS RATING: 225 A AND RATING: 22000 A DONS:					VOLTS PHASES WIRES GROUND MAIN CB	4 X	уе		SPD: FEED-THROUGH LIUSS: X MOURTING: FLUSH ENCLOSURE: NEWN 1 SUPPLY FROM:				
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Α		B		С	POLES	TRIP	LOAD DESC	RIPTION CKT	NOTE
	1	RECEPT, 15A.B.C.D	20 A	1	0 VA	0 VA		Ī		i –	1	20 A	LIGHTS 15B.D	2	
-	3	RECEPT, 16C D	20 A	1			0 VA	0 VA			1	20 A	LIGHTS 15A	4	_
	- 5	WIREMOLD 20A.C	20 A	1					0 VA	0 VA	1	20 A	LIGHTS 15C	6	_
	7	DED. RECEPT. RM 540	20 A	1	0 VA	0 VA		_			1	20 A	RECEPT, 20B 21A	8	_
	9	DED. RECEPT, RM 540	20 A	1			0.VA	D VA			1	20 A	WIREMOUD 21CD	10	
	11	SPARE	20 A	1					0 VA	0 VA	1	20 A	WIREMOLD 21B.D	12	-
	13	SPARE	20 A	1	0 VA	0.VA			1		1	20 A	POWER POLE RM 524	14	_
	15	SPARE	20 A	1			0 VA	0 VA			1	20 A	POWER POLE RM 524	16	_
	17	SPARE	20 A	1					0 VA	0 VA	1	20 A	POWER POLE RM 524 & 5	25 18	+
	19	SPARE	20 A	1	0 VA	0 VA					-1	20 A	RECEPT, 11A.B	20	_
	21	SPARE	20 A	1			0 VA	0 VA	_		1	20 A	WIREMOLD 11C D.16B	22	-
	23	J-BOX RM 500	20 A	1					0 VA	0 VA	1	20 A	EXISTING EQUIPMENT	24	_
	25	RECEPT. RM 500	20 A	1	0 VA	0 VA		_			1	20 A	EXISTING EQUIPMENT	26	-
	27	SPACE	-	1			-	D.VA			1	20 A	SPARE	28	_
	29	SPACE		1						0 VA	1	20 A	SPARE	30	-
	31	SPACE	-	1	-	-			_		1		SPACE	32	_
	33	SPACE	-	1			-	-	_		1		SPACE	34	_
	35	SPACE	-	1					-	-	1		SPACE	36	_
	37	SPACE	-	1					1		1		SPACE	38	_
	39	SPACE	-	1			-	-	_		1		SPACE	40	-
_	41	SPACE	-	1		_		_	-	-	1	-	SPACE	42	+
_	~1	3FAGE		LOAD	-	VA	- 0	VA		VA.			arnuc	42	_
				- AMPS:		IA.) A		IA .	,				
TG - H	CATED EATING QUIPMI	ENT	D SPACE TO BE PROVIDED RCPT - RECEP LTG - LIGHTIM LTG - EXISTING			TING ING LOAI						MOTOR KITCHEN APPLIANCE			
		ICATION	_			,	DEMAND FA	TOR		ED DEMAND	_		PANEL 1	OTALS	
IGHTIN					0 VA		0.00%			VA					
RECEP.			_		0 VA	-	0.00%			VA	-		TOTAL CONN. LOAD:		
MOTOR			_		0 VA	_	0.00%			VA	-	_	TOTAL EST. DEMAND:		
QUIPN			\rightarrow		0 VA	-	0.00%			VA	-		TOTAL CONN. CURRENT:		
HEATIN			_		0 VA	_	0.00%			VA		OTAL	EST. DEMAND CURRENT:		
KITCHE	N				0 VA		0.00%			VA			CAPACITY:		
E)					0 VA		0.00%			VA			SPARE CAPACITY:		





_	
	ELECTRICAL: Shaffer - Baucon Engineering & Consulting 3500 5: Washworth Elvid. Suite 600 Litherwood, CO 80036 300-986-6000
	ARCHITECT: Architectural Workshop 2 Kalamarkh Stevet Detreet, CO 90223 SIG-765-1717

SBEC Project #: Scale:	210032
Drawn By:	JR
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

0 VA		0 A RR GFCI RECEPT. 0 A RR LIGHTING	RIPTION CKT	NOTE		
0 VA	1 2 1 2 1 2	0 A RR GFCI RECEPT. 0 A RR LIGHTING				
0 VA	1 2	0 A RR LIGHTING		+		
0 VA	1 2			+		
0 VA	1 2		4 6	+		
0 VA				_		
0 VA			8 10	-		
		0.A. WEST CEILING RECEPT.	10	_		
			12	-		
		0 A WEST CEILING RECEPT. 0 A SPARE	14	_		
				-		
		0 A HALLWAY RECEPT.	18	-		
		0 A CRITIQUE 01 RECEPT. 0 A SPARE	20	_		
			22	-		
		0 A SPARE 0 A SPARE	24	_		
			26	-		
			30	_		
0 VA		0 A SPARE 0 A SPARE	30	-		
		UA SPARE	32	-		
				+		
		0 A SPARE 0 A SPARE	36	-		
				_		
		0 A SPARE	40	-		
0 VA	1 2	0 A SPARE	42			
	MTR - MOTOR KTN - KITCHEN APPLIANCE					
EMAND		PANEL T	OTALS			
	1			_		
		TOTAL CONN. LOAD:	0 VA			
		TOTAL EST. DEMAND:	0 VA			
		TOTAL CONN. CURRENT:	0 A			
	TOT	FAL EST. DEMAND CURRENT:	0 A			
		SPARE CAPACITY:	200 A			
		TO	TOTAL EST. DEMAND: TOTAL CONN. CURRENT: TOTAL EST. DEMAND CURRENT: CAPACITY:	TOTAL CORN LOAD O VA TOTAL EST CERMEND O VA TOTAL EST CERMEND O VA TOTAL CORN CURRENT O A TOTAL CST CERMENT O A SPREE CAPACITY ON A SPREE CAPACITY ON A		

		Branch Panel: H6 MANUFACTURER AND TYPE: SQUARE DI INSTALLED: Electrical Up DEMOLISHED: None BUS RATING: 225 A					VOLTS: PHASES: WIRES: GROUND:	4	tyn			EED-TI	NORMAL SPD: HROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEWA 1	POWER			
		AIC RATING: 35000 A					MAIN CB:						SUPPLY FROM: MDC				
custor	MZATIO	ONS:															
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В	т —	С	POLES	TRIP	LOAD DESI	CRIPTION C	жт	NOTE	
	1	LTG -WEST OPEN STUDIO	20 A	1	0 VA						1		SPACE		2	-	
	3	LTG -SOUTH OPEN STUDIO	20 A	- 1			0 VA	-			1		SPACE		4		
	5	LTG -NORTH OPEN STUDIO	20 A	1					0 VA	-	1	-	SPACE		6		
	7	LTG -EAST OPEN STUDIO	20 A	1	0 VA	-					1	-	SPACE		8		
	9	LTG -INTERIOR CRITIQUE RM	20 A	1			0 VA	-			1		SPACE		10	-	
	11	LTG -INTERIOR ROOMS	20 A	1					0 VA		1	-	SPACE		12		
	13	SPACE		1							1		SPACE		14		
	15	SPACE		1				-			1	-	SPACE		16		
	17	SPACE		- 1							1		SPACE		18		
	19	SPACE	-	1	-						1	1	SPACE		20		
	21	SPACE		- 1							1	-	SPACE		22		
	23	SPACE	-	1					-	-	1	1	SPACE		24		
	25	SPACE	-	1							1		SPACE		26	_	
	27			1							1		SPACE		28		
_	29			1				_			1		SPACE		30	_	
	31	SPACE		1							1		SPACE		32	_	
	33	SPACE		1			-	-			1	-	SPACE		34	_	
_	35	SPACE		- 1		_		_		-	1		SPACE		36	_	
_	37	SPACE		1							1		SPACE		38	_	
_	39	SPACE		- 1		_					1		SPACE		40	_	
	41	SPACE		1							1		SPACE		42		
				L LOAD:		VA		VA		VA	_						
FGEN			TOTA	L AMPS:		I A		A) A							
HTG - H	FATING	FULLY BUSSED SPACE TO BE PROVIDED 3 ENT			RCPT - RE- LTG - LIGH (E) - EXIST	ITING							MOTOR KITCHEN APPLIANCE				
		FICATION			CTED LOAD	D	DEMAND FAC	TOR		ED DEMAND			PANEL	TOTALS			
LIGHTIN					0 VA		0.00%			VA							
RECEPT					0 VA		0.00%			VA			TOTAL CONN. LOAD:				
MOTOR			_		0 VA		0.00%			VA		TOTAL EST. DEMAND: 0 VA					
EQUIPN					0 VA		0.00%			VA	TOTAL CONN. CURRENT: 0 A						
HEATIN					0 VA		0.00%			VA	TOTAL EST. DEMAND CURRENT: 0 A						
KITCHE	N		_		0 VA	_	0.00%			VA VA	_		CAPACITY:				
(E)				0 VA				0.00%			SPARE CAPACITY: 225 A						

custo	MIZATIO	Branch Panel: TR6 MANUFACTURER AND TYPE: SOLUARE! INSTALLED: Electrical to DEMOLISHED: None BUS RATING: 225 A AC RATING: 2200 A ONS:					VOLTS. PHASES. WIRES. GROUND. MAIN CB.	4 X	ye.		F		NCRIMAL SPD: IROUGH LUDG: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM:			
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		_		l B		С	POLES	TRIP	LOAD DESCRIPTION	RIPTION	СКТ	NOTE
	1	RECEPTACLES	20 A	1	0 VA	Î ov		Ĭ		Ť				Tui Tion	2	+
	3	RECEPTACLES - WEST	20 A	1			D.VA	0.VA			2	30 A	CU-1		4	1
	- 5	RECEPTACLES - EAST	20 A	1					0 VA	0 VA	1	20.4	RACK RECEPTACLES		- 6	-
	7	SPARE	20 A	1	0 VA	0.0					1		RACK RECEPTACLES		8	-
	9	SPARE	20 A	1			n va	0.74			1	20 A	VAV CONTROL PANEL		10	-
	11	SPARE	20 A	1		1			0 VA	0 VA	1		SPARE		12	-
	13	SPARE	20 A	- 1	0 VA	0.74					1	20 A	SPARE		14	-
	15	SPARE	20 A	1			0 VA	0 VA			1		SPARE		16	-
	17	SPARE	20 A	- 1					O.VA	DVA	1	20 A	SPARE		18	-
	19	SPARE	20 A	1	0 VA	0.0	_			-	1		SPARE		20	+
	21	SPARE	20 A	1			0 VA	0.VA			1		SPARE		22	+-
	23	SPARE	20 A	1					0 VA	DVA	1	20 A	SPARE		24	-
	25	SPACE		1		-	_				1		SPACE		26	+
	27	SPACE	-	- 1							1		SPACE		28	-
	29	SPACE	-	1					-	-	1		SPACE		30	-
			TOTA	L LOAD:		VA	0	VA	0	VA		_				
			TOTA	L AMPS:		A	•	I.A.		A	•					
LEGENO:							D			MTR - MOTOR KTN - KITCHEN APPLIANCE IMATED DEMAND PANEL TOTALS						
IGHTIN		FICATION	_		O VA	, +	DEMAND FAC	HOR		D DEMAND	-		PANEL	OTALS		
SECED.			-		0 VA	-	0.00%	_		VA VA	_		TOTAL CONN. LOAD:			_
MOTOR			_		0 VA	_	0.00%			VA VA	_		TOTAL CONN. LOAD:			
OUR			_		0 VA	\rightarrow	0.00%	_		VA.	_	_	TOTAL CONN CURRENT:			_
HEATIN			_		0 VA	_	0.00%			VA VA	-					
CITCHE			_		0 VA	\rightarrow	0.00%			VA VA	_	TOTAL EST. DEMAND CURRENT: 0 A CAPACITY: 80 A				
E)			-		0 VA	\rightarrow	0.00%		VA	_						
										SPARE CAPACITY: 60 A						

custo	MIZATIO	Branch Panel: L6B MANUFACTURER AND TYPE: - INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225A AIC RATING: 22000 A DANS:	ades				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		F		NORMAL POWER SPD: SPD: SPD: SPD: SPD: SPD: SPD: SPD:			
OTES	СКТ	LOAD DESCRIPTION	TRIP	POLES		Δ.		R	_	c	POLES	TRIP	LOAD DESCRIPTION	CKT	NOTE	
101100	1	SPARE EGAD DESCRIPTION	20 A	1	0 VA	OVA		•	_	<u> </u>	FULES		EAST CEILING RECEPT.	2	14011	
	3	SPARE	20 A	1	0.17	VIA	0 VA	0 VA			1		EAST CEILING RECEPT.	4	+	
	5	SPARE	20 A	1	_	_	0 111	0.471	0 VA	0 VA	1		NORTH CEILING RECEPT.	- 6	-	
	7	LI ALL	20.0	-	0 VA	0 VA		_	010	V IA	1		NORTH CELLING RECEPT.	8	+	
	9	PANEL TR6	60 A	3	0.071	0.111	0 VA	0 VA	_		1		SPARE	10	-	
	11	T ANALE THE	- O. A	,	-		- VIII	0 1/1	0 VA	0 VA	1		SPARE	12	+	
_		WEST WALL RECEPT.	20 A	1	D VA	O VA		_	***	- 1/1	1		SPARE	14	-	
	15	NORTH WALL RECEPT.	20 A	1	0 1/4	01/4	0 VA	0 VA	_		1		SPARE	16	-	
_		NORTH WALL RECEPT.	20 A	1	_	_	0.78	0.44	OVA	OVA	1		SPARE	18	+	
		EAST WALL RECEPT.	20 A	1	n va	0.74	_	_	UVA	044	1		SPARE	20	-	
		SOUTH WALL RECEPT.	20 A	-	UVA	UVA	0.VA	0 VA	_		1	20 A	SOUTH CEILING RECEPT.	20	+	
_		FIRE ALARM NAC	20 A	1	_	_	UVA	0.00	0 VA	0 VA	1		SOUTH CEILING RECEPT.	24	+	
	25	SMOKE DAMPERS	20 A	1	0 VA	0 VA		_	UVA	UVA	1		EAST CEILING RECEPT.	26	+	
_	27	SPARE	20 A	1	UVA	UVA	0 VA	DVA	_		1		SPARE	28	+	
	29	SPARE	20 A	1	_	_	UVA	UVA	0 VA	0 VA	1		SPARE	30	+	
	31	SPARE	20 A	1	0 VA	0 VA		_	UVA	UVA	1		SPARE	32	+	
_	33	SPARE	20 A	1	UVA	UVA	0.74	D.VA	_		1		SPARE	34	-	
_	35	SPARE	20 A	-	_	_	UVA	UVA	0 VA	OVA	1	20 A	SPARE	36	-	
_	37	SPARE	20 A	1	0 VA	0 VA	_	-	UVA	UVA	1		SPARE	38	-	
					U VA	UVA					1				+	
_	39	SPARE	20 A	1			0 VA	0 VA	_				SPARE	40	-	
	41	SPARE	20 A	1		VA.			0 VA	0 VA	1	20 A	SPARE	42		
				L LOAD:	_ 0			VA A		VA						
HTG - H	CATED EATING QUIPM		,		RCPT - REG LTG - LIGH (E) - EXISTI CTED LOAD	CEPTACL TING NG LOAD	E			D DEMAND	MTR - MOTOR KTN - KITCHEN APPLIANCE					
IGHTIN		IONITON	-		0 VA	_	0.00%	,,,,,,		VA	-		PANEL TOTALS			
RECEP			-		0 VA	_	0.00%			VA	-		TOTAL CONN. LOAD: 0 VA			
MOTOR			-		0 VA	_	0.00%			VA	-		TOTAL EST. DEMAND: 0 VA			
QUIPN			-		0 VA	_	0.00%			VA	-	_	TOTAL CONN. CURRENT: 0 A			
HEATIN			-		0 VA	_	0.00%			VA	٠,		EST. DEMAND CURRENT: 0 A			
KITCHE			-		0 VA	_	0.00%			VA	+-'	U.AL	CAPACITY: 200 A			
F)			-		0 VA	_	0.00%				-					
OTES:										0 VA			SPARE CAPACITY: 200 A			





ELECTRICAL: Shafter - Basconi Engineering & Consulting 3500 S. Wadeworth Blvd. Suite 500 Laterwood, CO 90235 303-989-8000
ARCHITECT: Architectusi Workshop 2 Katernath Steed Denies, CO 90223 S05-768-1717

SBEC Project #:	210032
Scale:	
Drawn By:	JR
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date
100% CONSTRUCTION	12/01/202

		Branch Panel: LTA MANUFACTURER AND TYPE: - INSTALLED: Blectrical Upgra DEMOLISHED: None BUS RATING: 225 A AC RATING: 10000 A	ades				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		NORMAL POWER SPO: FEED-THROUGH LUGS: MOUNTING: FLUSH ENCLOSUIRE: NEMA 1 SUPPLY FROM:							
custor																_		
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A.		В		c	POLES		LOAD DES	CRIPTION		NOTE		
\rightarrow		SPARE	20 A	1	0 VA	0 VA	_				1	20 A	SPARE		2	-		
_		BATHROOMS	20 A	- 1			0 VA	0 VA			1	20 A	SPARE		4	_		
_		SPARE	20 A	1				_	0 VA	0 VA	1	20 A	SPARE		6	-		
_		FLUSHDUCT	20 A	1	0 VA	0 VA			_		1	20 A	SPARE		8	-		
-		FLUSHDUCT	20 A	1			0 VA	0 VA	0.VA	D VA	1	20 A	SPARE SPARE		10	\vdash		
\rightarrow		FLUSHDUCT	20 A		0 VA	0 VA	-	_	OVA	0 VA	1	20 A	SPARE		12	-		
-		FLUSHDUCT	20 A	1	UVA	UVA	0 VA	0 VA			1	20 A	SPARE		16	-		
\rightarrow		FLUSHDUCT	20 A	1		-	UVA	UVA	0 VA	0 VA	1	20 A	SPARE		18	-		
\rightarrow		SPARE	20 A	1	0 VA	0 VA	_	_	UVA	UVA	1	20 A	SPARE		20	-		
-		SPARE SPARE	20 A	1	UVA	UVA	0.VA	0 VA		_	1	20 A	SPARE		20	-		
\rightarrow		SPARE	20 A	1	_	_	UVA	UVA	0.04	0 VA	1	20 A	SPARE		24	-		
_	25	SPARE	20 A	-	0.VA	OVA	_	_	UVA	UVA	-	20 A	SPARE		26	-		
- 1		IT PANEL	90 A	3	UVA	UVA	0 VA	0 VA	_	_	+	20 A	SPARE		28	-		
- 1	29	II PANEL	90 A	3	_		UVA	UVA	0.VA	0 VA	1	20 A	SPARE		30	-		
\rightarrow		SPARE	20 A	1	O.VA	DVA	-	_	UVA	UVA	-				30	-		
$\overline{}$		SPACE	20 A	l i	01/4	UVA		0 VA			2	30 A	SPARE		34	1		
-		SPARE	20 A	1		 		UVA	0 VA	0 VA	1	20 A	SPARE		36	-		
\rightarrow		SPARE	20 A	1	0 VA	-	-	_	044	UVA	1	20 A	SPACE		38	-		
-		SPACE	100	1	UIA	-	_	-		_	1		SPACE		40	_		
\rightarrow		SPACE	-	1	_	_	-	-	-	-	+		SPACE		42	-		
_	41	STANCE		LLOAD				VA		VA.			SPACE		42	_		
				L AMPS:		i A		A		A	ı							
TG - H	CATED EATING QUIPME			CONNE	RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD	DEMAND FAC	TOR	ESTIMATE			MOTOR GTCHEN APPLIANCE	TOTAL S					
IGHTIN		10000000	_		0 VA	_	0.00%			VA	-		1 Miles	i	_	_		
ECEPT			-		0 VA		0.00%			VA	\neg		TOTAL CONN. LOAD:	0 VA	_	_		
OTOR			-		0 VA	-	0.00%			VA	-		TOTAL EST, DEMAND		_	_		
QUIPM			_		0 VA		0.00%			VA		-	TOTAL CONN. CURRENT:		_	_		
EATIN	3		-		0 VA	\neg	0.00%		0	VA	1	TOTAL I	EST. DEMAND CURRENT:	0 A	_	_		
ПСНЕ	4				0 VA		0.00%		0	VA			CAPACITY:	200 A	_	_		
E)			-		0 VA		0.00%		0	VA			SPARE CAPACITY:		_	_		
NOTES:										0 VA					_			

		Branch Panel: H7 MANUFACTURER AND TYPE: INSTALLED: Electrical Upgra- DEMOLISHED: None BUS RATING: 225 A AIC RATING: 35000 A	des				PH/ W GRO	LTS: 480/27 SES: 3 RES: 4 UND: X I CB:	7 Wye		SPD: SPD: FEED-THROUGH LUGG: X MOUNTING: FLUGH ENCLOSURE: MENA 1 SUPPLY FROM MOC							
custon	NZATIC	ons:																
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		-		POLES	TRIP	LOAD DESC	RIPTION	CKT	NOTES	
		SPARE	20 A	1	0 VA	0,	/A					1	20 A	SPARE		2	1	
		SPARE	20 A	- 1			01	A 0.V	'A			- 1	20 A	SPARE		4		
		SPARE	20 A	1						0 VA	OVA	1	20 A	SPARE		- 6	1	
		LIGHTING	20 A	1	0 VA	0,						- 1	20 A	SPARE		8	T	
		LIGHTING	20 A	1			01	A 0.V	'A			1	20 A	SPARE		10		
		LIGHTING	20 A	1						0 VA	0 VA	- 1	20 A	SPARE		12	T	
		LIGHTING	20 A	1	0 VA	0,						- 1	20 A	SPARE		14		
\neg		LIGHTING	20 A	1			01	/ 0 N	A T			1	20 A	SPARE		16	1	
		LIGHTING	20 A	1						0 VA	0 VA	- 1	20 A	LIGHTING		18		
		LIGHTING	20 A	1	0 VA	0,						1	20 A	LIGHTING		20	1	
		LIGHTING	20 A	- 1			01	/ 0 A	A			- 1	20 A	LIGHTING		22		
		LIGHTING	20 A	1						0 VA	OVA	1	20 A	LIGHTING		24		
		SPARE	20 A	1	0 VA	0.						1	20 A	LIGHTING		26		
		SPARE	20 A	1			01	/ 0 N	'A			1	20 A	LIGHTING		28		
		SPACE		1							0VA	1	20 A	SPARE		30		
		SPACE		1								1		SPACE		32		
		SPACE		1								1		SPACE		34	T = T	
				1								- 1		SPACE		36	T	
	37	SPACE		1			-					1		SPACE		38		
	39	SPACE		1			_		_			1		SPACE		40	T	
	41	SPACE		1								- 1		SPACE		42	$\overline{}$	
			TOTAL	LOAD:	0	VA		0 VA	\neg	0'	/A		•	•		•		
			TOTAL	AMPS:	0	Α		0.A		0	A							
HTG - HI EQP - E	ATED EATING QUIPME	ENT			RCPT - REG LTG - LIGH (E) - EXIST	TING NG LC	AD						MTR - I	OTCHEN APPLIANCE				
		ICATION			CTED LOAD	,		FACTOR			D DEMAND			PANEL '	TOTALS			
LIGHTIN			-		0 VA	\neg		0%	_	0.		\perp						
RECEPT			-		0 VA	-		0%		0.				TOTAL CONN. LOAD:				
MOTOR			-		0 VA	\neg		0%		0.		\perp		TOTAL EST. DEMAND:				
EQUIPM			\perp		0 VA			10%		0.				TOTAL CONN. CURRENT:				
HEATING					0 VA	-T		00%		0.			TOTAL	EST. DEMAND CURRENT:				
KITCHE	ą.				0 VA			0%		0.				CAPACITY:				
(E)					0 VA		0.	00%		0.	VA			SPARE CAPACITY:	225 A			

custo	MANUFACTURER AND TYPE: SQUARED IN OR INSTALLED: Electrical Upgra- DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A JSTOMIZATIONS:						VOLTS PHASES WIRES GROUND MAIN CE	: 4 : X	/ye		SPD: FEED-THROUGH LUGS: X MOUNTING: SUPFACE ENCLOSURE: NEMA 1 SUPFLY FROM:						
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		В	1	С	POLES	TRIP	LOAD DESCRIPTION	СКТ	NOT		
	1				0 VA	0 VA		Ī		i –				2	-		
	3	SPARE	100 A	3			0 VA	0 VA			1 3	20 A	SPARE	4	_		
	5	1							0 VA	0 VA	1			6	_		
	- 7	LTS & GFCI	20 A	1	0 VA	0 VA					1	20 A	NORTHWEST RECEPT.	8			
	9	SOUTHEAST RECEPT.	20 A	1			0 VA	0 VA			1	20 A	SOUTHEAST RECEPT.	10	\neg		
	11	SPACE	-	1						0 VA	1	20 A	ON RACK RECEPTACLES	12			
	13	SPACE	-	- 1		-					1		SPACE	14			
	15	SPACE	-	1			-	-			1		SPACE	16	-		
	17	SPACE	-	- 1						-	1		SPACE	18			
	19	SPACE	-	1		-					1		SPACE	20	-		
	21	SPACE	-	- 1			-	-			-		SPACE	22			
	23	SPACE		1		_				-	1		SPACE	24			
	25	SPACE		- 1		-					1		SPACE	28			
	27	SPACE		- 1							1		SPACE	28			
	29	SPACE	-	1		_			-	-	1		SPACE	30	-		
	31	SPACE	-	- 1		-					1		SPACE	32			
	33	SPACE	-	1				-		_	1		SPACE	34	-		
	35	SPACE	-	- 1					-	_	-		SPACE	38			
	37	SPACE		- 1							1		SPACE	38	\neg		
	39	SPACE		- 1			-			_	1		SPACE	40	-		
	41	SPACE	-	1		_	_	_	-	-	1		SPACE	42	-		
		OT NOC		LOAD	-	VA		VA		VA	-		017402				
				L AMPS:		D A) A		D.A.							
HTG - H EQP - E	CATED EATING QUIPME	ENT			RCPT - RE LTG - LIGH (E) - EXIST	ITING ING LOAI)						MOTOR GTCHEN APPLIANCE				
		CATION	_		CTED LOA	D	DEMAND FA	CTOR		ED DEMAND	_		PANEL TOTALS				
IGHTIN					AV 0	_	0.00%			I VA							
RECEP.			_		0 VA	_	0.00%			I VA	_		TOTAL CONN. LOAD: 0 VA				
MOTOR			_		AV 0	_	0.00%			IVA	_	_	TOTAL EST. DEMAND: 0 VA				
			\rightarrow		0 VA	-	0.00%	_		I VA	_		TOTAL CONN. CURRENT: 0 A				
HEATIN					0 VA		0.00%			I VA		TOTAL I	EST. DEMAND CURRENT: 0 A				
КПСНЕ	N		\rightarrow		0 VA	-	0.00%	_		I VA	_		CAPACITY: 125 A				
F)					OVA		0.00%			I VA			SPARE CAPACITY: 125 A				

custor	MIZATIO	Branch Panel: L7B MANUFACTURER AND TYPE: SQUARE D IN INSTALLED: Existed Up; DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A ONS:					VOLTS PHASES WIRES GROUND MAIN CB	4 X	уе		NCRMAL POWER SPO. FEED-THROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM:					
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		c	POLES	TRIP	LOAD DESCRIPTION	CKT	NOT	
	1	WIREMOLD RECEPTACLES	20 A	1	0 VA	OVA		ĭ	_	ĭ	1		WIREMOUD RECEPTACLES	2	+	
-	- 3	WIREMOLD RECEPTACLES	20 A	1	0.00		0.VA	DVA	_		1	20 A	WIREMOLD RECEPTAGLES	4	+	
\rightarrow	5	WIREMOLD RECEPTACLES	20 A	1	_	_	0 111	0 171	0 VA	0 VA	1	20 A	TRACK LIGHTS	6	+	
-	7	WIREMOLD RECEPTACLES	20 A	-	0 VA	0 VA	_	_	UVA	UVA	1	20 A	TRACK LIGHTS	8	+	
\rightarrow	- /	WIREMOLD RECEPTACLES	20 A	1	UVA	0.44	0 VA	0 VA	_		1	20 A	WIREMOUD RECEPTACLES	10	+	
-	11	WIREMOLD RECEPTACLES	20 A	1	_		UVA	UVA	0 VA	OVA	1	20 A	WIREMOLD RECEPTACLES	10	+	
\rightarrow								-	UVA	OVA					-	
_	13	WIREMOLD RECEPTACLES	20 A	1	0 VA	0 VA					1	20 A	WIREMOLD RECEPTACLES	14	+	
_	15	WIREMOLD RECEPTACLES	20 A	1			0 VA	0 VA				20 A	WIREMOLD RECEPTACLES WIREMOLD RECEPTACLES	16	+	
_	17	COUNTER GFCI RECEPT.	20 A	1				_	0 VA	0 VA	1	20 A		18	_	
	19	CLASS OUTLETS	20 A	1	0 VA	0 VA		_			1		WIREMOLD RECEPTACLES	20	_	
_	21	REFRIGERATOR	20 A	1			0 VA	0 VA			1	20 A	WIREMOLD RECEPTACLES	22	_	
	23	SPARE	20 A	1					0 VA	0 VA	1		FLUSHDUCT	24		
	25	EXITS LOBBY	20 A	1	0 VA	0 VA					1		FLUSHDUCT	26		
	27	TRACK LIGHTS LOBBY	20 A	1			0 VA	0 VA			1	20 A	FLUSHDUCT	28		
	29	FLUSHDUCT	20 A	- 1					0 VA	0 VA	1		CLASSROOM LIGHTS	30	T	
	31	FLUSHDUCT	20 A	- 1	0 VA	0 VA					-1	20 A	FIRE DAMPERS	32	T	
	33	FLUSHDUCT	20 A	1			0 VA	0 VA			1	20 A	PRINTER AREA	34	T	
	35	SPARE	20 A	1					0 VA	OVA	1	20 A	SPARE	36	1	
\neg	37		-		0 VA	0 VA					1	20 A	RECEPTACLES	38	$\overline{}$	
- 1	39	FCU UNIT	20 A	3			OVA	0 VA			1	20 A	SPARE	40	+	
ŀ	41	1	1	1 1	_				0 VA	0 VA	1	20 A	FIRE DAMPERS	42	+	
$\overline{}$	43	SPARE	20 A	1	0 VA	-	_	_	01/4	O III	1	207	SPACE	44	+	
-	45	SPARE	20 A	1	0.47	-	O.VA	-	_	_	1	-	SPACE	46	+	
\rightarrow	47	SPARE	20 A	1	_	_	OVA	-	0 VA		1	-	SPACE	48	+	
-	49	SPARE	20 A	+	0 VA	-		_	UVA		1	-	SPACE	50	+	
\rightarrow	51	SPARE	20 A	1	UVA	-	0 VA		_		1		SPACE	52	+	
\rightarrow	53	SPARE	20 A	1	_	_	UVA	-	0 VA		1	-	SPACE	54	+	
\rightarrow						_		-	UVA						+	
_	55	SPARE	20 A	1	0 VA						1		SPACE	56	+	
\rightarrow	57	SPARE	20 A	1	_	_	0 VA	-	_		1	-	SPACE	58	+	
	59	SPARE	20 A	1	_				0 VA		1		SPACE	60		
				L LOAD:		VA		VA DA		VA	J					
TG - H QP - E	CATED EATING QUIPMI	ENT	1.014		RCPT - RE LTG - LIGH (E) - EXIST	TING NG LOAI	.E			^		MTR - F	TITCHEN APPLIANCE			
		ICATION	_		CTED LOAD	,	DEMAND FA	CTOR		D DEMAND			PANEL TOTALS		_	
IGHTIN			-		0 VA		0.00%			VA						
ECEP1					0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA			
					0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA			
QUIPN		·	-T		0 VA	$ \Box$	0.00%			VA			TOTAL CONN. CURRENT: 0 A			
EATIN					0 VA		0.00%			VA	1	TOTAL E	ST. DEMAND CURRENT: 0 A			
ITCHE	N				0 VA		0.00%		0	VA.			CAPACITY: 200 A			
E)					0 VA		0.00%		0	VA			SPARE CAPACITY: 200 A			
DTES:						_									_	





BLECTRICAL: Shafter - Baucom Engineering & Consu 3500 S. Wadwardh Bhid. Saits 500 Libberood, CO 80236 303-959-5230	ting
ARCHITECT: Architectural Workshop 2 Kalamath Street Denner, CO 80223 305-785-1717	

SBEC Project #:	210032
Scale:	
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

		Branch Panel: L8D MANUFACTURER AND TYPE: SQUARE D.I INSTALLED: Electrical Up DEMOLISHED: None BUS RATING: 225 A AC RATING: 10000 A				VOLTS PHASES WIRES GROUND MAIN CB	4 X	'ye	NOCHMAL POWER SPO: FEED-THROUGH LUGS: MOUNTING: FLUSH ENCLOSURE: NOMA 1 SUPPLY TROME LIC						
CUSTO				TRIP POLES A B C								_			
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES				В		c .	POLES	TRIP	LOAD DESCI		KT NOTE
_	1	COMPUTER RECEPT.	20 A	1	0 VA	0 VA	_				2	50 A	SPARE	L-2	
	3	COMPUTER RECEPT.	20 A	1			0 VA	0 VA	AVO	0.7/4		20.4	SPARE	- 4	6
_							_	_	OVA	UVA	1				
_	7	COMPUTER RECEPT.	20 A	1	0 VA	0 VA					1	20 A	SPARE		8
_	9	COMPUTER RECEPT.	20 A	1			0 VA	0 VA				20 A	SPARE	1	
_	11	COMPUTER RECEPT.	20 A	1			_	-	0 VA	0 VA	1	20 A	SPARE	1	
	13	COMPUTER RECEPT.	20 A	- 1	0 VA	0 VA	0 VA	0 VA			1	20 A	SPARE SPARE	1	
_				1		-	UVA	UVA			1				
	17	COMPUTER RECEPT.	20 A	- 1					0 VA	0 VA	1	20 A	SPARE	1	
_	19	COMPUTER RECEPT.	20 A	- 1	0 VA	0 VA			_		1	20 A	SPARE	2	
_	21	COMPUTER RECEPT.	20 A	- 1			0 VA	0 VA	_	_	1	20 A	SPARE	2	
	23	COMPUTER RECEPT.	20 A	- 1			_	_	0 VA	0 VA	1	20 A	SPARE	2	
_	25	COMPUTER RECEPT.	20 A	1	0 VA	0 VA	_				1	20 A	SPARE	2	
	27	COMPUTER RECEPT.	20 A	- 1			0 VA	0 VA			-1	20 A	SPARE	2	
_	29	COMPUTER RECEPT.	20 A	1			_	_	0 VA	0 VA	1	20 A	SPARE	3	
	31	COMPUTER RECEPT.	20 A	- 1	0 VA	0 VA					1	20 A	SPARE	3	
	33	COMPUTER RECEPT.	20 A	- 1			0 VA	0 VA			1	20 A	SPARE	3	
	35	COMPUTER RECEPT.	20 A	- 1					0 VA	0 VA	1	20 A	SPARE	3	
	37	COMPUTER RECEPT.	20 A	- 1	AV 0	0 VA					-1	20 A	SPARE	3	
	39	COMPUTER RECEPT.	20 A	- 1			0 VA				-1		SPACE	4	
	41	SPACE		- 1							1		SPACE	4	.2
				L LOAD:		VA		VA		VA					
EGENI			TOTA	L AMPS:		IA.		IA.		A					
	CATED				RCPT - REI LTG - LIGH (E) - EXIST	TING							MOTOR OTCHEN APPLIANCE		
OAD C	LASSIF	CATION		CONNE	CTED LOAD		DEMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL T	OTALS	
IGHTIN	G				0 VA		0.00%		0	VA					
ECEP.	ACLE				0 VA		0.00%		0	VA			TOTAL CONN. LOAD:		
OTOR					0 VA		0.00%		0	VA	\top		TOTAL EST. DEMAND: 0		
QUIPM	ENT				0 VA		0.00%		0	VA			TOTAL CONN. CURRENT: 0) A	
EATIN					0 VA		0.00%			VA		TOTAL	EST. DEMAND CURRENT:		
ПСНЕ	٧				0 VA		0.00%		0	VA			CAPACITY:	150 A	
					0 VA	-	0.00%		0 VA		-		SPARE CAPACITY:	150 A	

custo	Branch Panel: L881 MANUFACTURER AND TYPE: SOLUNED NO INSTALLED: Existing Upgrade DEMOLSHED: None BUS RATING: 225 A AC RATING: 10000 A						VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4	ую	NORMAL POWER SPD: FEED-THROUGH LUGS: MOUNTING. FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM:						
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		a .	_	c	POLES	TRIP	LOAD DESC	RIPTION	CKT	NOTE
	1	COPIER	20 A	1	0 VA	I OVA		Ĭ		Ť	1	20 A	WIREMOLD RM 824	IUI IIUI	2	-
	3	WIREMOLD RM 832	20 A	1		-	0 VA	0 VA			-1	20 A	WIREMOLD RM 824		4	
	5	WIREMOLD RM 832	20 A	1					0 VA	0 VA	1	20 A	WIREMOLD RM 824		6	-
	7	VENDING MACHING RM 807	20 A	1	0 VA	0 VA					-1	20 A	WIREMOLD RM 824		- 8	_
	9	VENDING MACHING RM 807	20 A	1			0 VA	0 VA	_		1	20 A	SPARE		10	-
	11	VENDING MACHING RM 807	20 A	1					0 VA	0 VA	1	20 A	SPARE		12	-
	13	RECEPT, RM 803	20 A	1	0 VA	0 VA					1	20 A	SPARE		14	1
	15	STUDIO SCREEN	20 A	1		1	0 VA	0 VA			1	20 A	SPARE		16	t
	17	FLOOR RECEPT.	20 A	1					0 VA	0 VA	1	20 A	SPARE		18	
	19	STUDIO SCREEN	20 A	1	0 VA	0 VA					1	20 A	LOBBY RECEPT.		20	_
	21	STUDIO SCREEN	20 A	1			0 VA	0 VA			1	20 A	RECEPT, RM 832		22	_
	23	WIREMOLD RM 805	20 A	1					0 VA	OVA	1	20 A	RECEPT. RM 836-839		24	_
	25	WIREMOLD RM 805	20 A	1	0 VA	0 VA					1	20 A	RECEPT. RM 832		26	
	27	WIREMOLD RM 805	20 A	1			0 VA	0 VA			1	20 A	SPARE		28	
	29	WIREMOLD RM 805	20 A	1					0 VA	0 VA	1	20 A	RECEPT. RM 805D		30	-
	31	FLOOR RECEPT.	20 A	1	0 VA	0 VA					-1	20 A	RECEPT, RM 805D		32	
	33	SPARE	20 A	1			0 VA	0 VA			1	20 A	RECEPT. RM 805D		34	-
	35	SPARE	20 A	1					0 VA		-1		SPACE		36	
	37	SPACE	-	1							1		SPACE		38	_
	39	SPACE		1							1		SPACE		40	1
	41	SPACE		1							1		SPACE		42	_
			TOTAL	L LOAD:	0	VA	0.	VA.	0	VA						
			TOTAL	L AMPS:		IA.	- 0	A		A						
HTG - H EQP - E	CATED EATING QUIPMI				RCPT - RE- LTG - LIGH (E) - EXIST	TING ING LOAD		TOD 1	FETHAT	ED DEMAND			MOTOR KITCHEN APPLIANCE	TOTAL S		
LIGHTIN		TOATION	_		0 VA	_	0.00%	IOR		VA.	+		PANEL	IUIALO		_
RECEP			-		0 VA	_	0.00%	\rightarrow		VA	+		TOTAL CONN. LOAD:	n va		
MOTOR			_		0 VA	_	0.00%	_		VA	-		TOTAL EST. DEMAND:			
FOUR			-		0 VA	_	0.00%			VA	_	-	TOTAL CONN. CURRENT:			
HEATIN			_		0 VA	_	0.00%	_		VA	_		EST. DEMAND CURRENT:			
KITCHE			_		0 VA		0.00%			VA	+	IUIAL	CAPACITY:			
(F)	٧		-		O VA	_	0.00%	_		VA	+		SPARE CAPACITY:			
NOTES:			'													

Branch Panel: L8F MANUFACTURER AND TYPE: SOLURED NO INSTALED: Beached Upgrad DEMOLSHED: None BUS RATING: 225 A AIC RATING: 10000 A CUSTOMIZATIONS:				VOLTS: 120208 N/ve PHASES: 3 WHEES: 4 GROUND: X MAN CB:									NCOMAL POWER SPO: FEED-THROUGH LUGS: MOUNTMO: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: LSE				
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ		В		c	POLES	TDID	LOAD DESC	DIDTION	жт	NOTES	
	1	WORKSTATION	20 A	1	720 VA	OVA	_	Ĭ -		Ť	1		SPARE		2	_	
	3	WORKSTATION	20 A	1	100 111		720 VA	0.VA			1		SPARE		4	_	
	- 5	WORKSTATION	20 A	1			120 471	0.174	720 VA	0 VA	1	20 A	SPARE		6	_	
_	7	WORKSTATION	20 A	1	720 VA	0 VA					1	20 A	SPARE		8	_	
	9	INSTRUCTOR STATION	20 A	1	720 771	9 111	180 VA	OVA			1	20 A	SPARE		10	_	
	11	INSTRUCTOR STATION	20 A	1				- 1/	180 VA	0 VA	1	20 A	SPARE		12	_	
	13	SURFACE RACE	20 A	1	180 VA	540 VA	_		100 111	9.111	1		WORKSTATIONS		14	_	
	15	SURFACE RACE	20 A	1	100 711	540 171	360 VA	540 VA		_	1		WORKSTATIONS		16	_	
	17	SPARE	20 A	1			300 TA	340 IA	O.VA	540 VA	1		WORKSTATIONS		18	_	
	19	SPARE	20 A	1	0 VA	540 VA	_	_	V III	010 171	i i		WORKSTATIONS		20	_	
_	21	SPARE	20 A	1	UIA	JAU VA	0 VA	540 VA		_	1		WORKSTATIONS		22	_	
_	23	WORKSTATIONS	20 A	1			OVA	340 YA	540 VA	540 VA	1		WORKSTATIONS		24	_	
_	25	WORKSTATIONS	20 A	1	540 VA	540 VA	_	_	540 VA	340 VA	1		WORKSTATIONS		26	_	
_	27	WORKSTATIONS	20 A	1	310 YA	JHU VA	540 VA	540 VA			1		WORKSTATIONS		28	_	
	29	WORKSTATIONS	20 A	1	_	_	040 TA	040 M	540 VA	540 VA	1		WORKSTATIONS		30	_	
	31	WORKSTATIONS	20 A	1	540 VA	OVA			JAVVA	340 VA	_				32	_	
	33	WORKSTATIONS	20 A	1	040 711	0.111	540 VA	0.74		_	2	20 A	SPARE		34		
	35	WORKSTATIONS	20 A	i i			SAUTA	VIA	540 VA	300 VA	1	20 A	PROJECTOR		38	_	
	37	WORKSTATIONS	20 A	1	540 VA	0 VA	_	_	010 111	000 171	1		SPARE		38	_	
	39	WORKSTATIONS	20 A	1	D40 7A	UVA	540 VA	-	_	_	1	AU PL	SPACE		40	_	
	41	SPACE	207	1	_	_	540 TA	-	-	-	1		SPACE		42	_	
	+1	armue		L LOAD:	400	0 VA	100	0 VA		0 VA	-		SPACE		42	_	
				L AMPS:		I A		I A		7 A	J						
HTG - H EQP - E	CATED EATING QUIPME	ENT	RCPT - REC LTG - LIGH (E) - EXISTI	TING NG LOAD							MOTOR OTCHEN APPLIANCE			_			
		FICATION	_		CTED LOAD	, , ,	DEMAND FAC	TOR		D DEMAND	_		PANEL	OTALS			
.IGHTI					0 VA		0.00%			VA	_						
RECEP					800 VA	_	85.23%			00 VA	_		TOTAL CONN. LOAD:				
MOTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND:				
					0 VA	_	0.00%			VA			TOTAL CONN. CURRENT:			_	
HEATIN					0 VA		0.00%			VA		TOTAL E	EST. DEMAND CURRENT:			_	
KITCHE	N		_		0 VA		0.00%			VA	_		CAPACITY:				
				OVA			0.00%		0 VA				SPARE CAPACITY:				

custor	MZATIO	Branch Panel: L8E MANUFACTURER AND TYPE: SQUARE INSTALLED: Electrical L DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A DNS:		VOLTS: 120/268 Wye PMASSIS: 3 WRISES: 4 GROUND): X MAIN CB:									SPD: FEEDTHROUGH LUGS: MOUNTING: FLUSH ENCLOSUME: NEWL 1 SUPPLY FROM: T-LSE					
OTES	CKT	LOAD DESCRIPTION	TOUR	POLES		Α	_	В	_	c	POLES	TRIP	LOAD DESC	POTTON	KT N	ОТЕ		
10120	1	COMPUTER RECEPT, 8058	20 A	1	0 VA	OVA		1	_	ĭ	TOLES		SPARE	AFTION	2			
-	3	COMPUTER RECEPT, 8058	20 A	1	0.47	UIA	0.VA	0 VA	_	-	-	20 A	SPARE		4	_		
-	5	COMPUTER RECEPT, 8058	20 A	i i	_	_	UVA	0 VA	0 VA	0 VA	1		SPARE		6	_		
-	7	COMPUTER RECEPT 8058	20 A	-	0 VA	0 VA	_	_	UVA	UVA	1	20 A	SPARE		8	_		
_	9	COMPUTER RECEPT, 8058	20 A	+	U VA	UVA	0 VA	0 VA		_	1	20 A	SPARE		10	_		
-	11	COMPUTER RECEPT 8058	20 A	+			- VA	U VA	0 VA	0.VA	1	20 A	SPARE		12	_		
\rightarrow	13	COMPUTER RECEPT, 8058	20 A	+	n va	O VA	_	-	UVA	UVA	-	20 A	SPARE		14	_		
\rightarrow	15	COMPUTER RECEPT, 8058	20 A	+	o VA	UVA	0 VA	0 VA			1	20 A	SPARE		16	_		
-	17	COMPUTER RECEPT, 8058	20 A	+	_		UVA	UVA	OVA	0.VA	1	20 A	SPARE		18	_		
\rightarrow	19	COMPUTER RECEPT, 8058	20 A	+	n va	0.04		_	UVA	UVA	1	20 A	SPARE		20	_		
-	21	COMPUTER RECEPT 8058	20 A	-	UVA	UVA	OVA	0 VA			1	20 A	SPARE		20	_		
\rightarrow	23	COMPUTER RECEPT, 8058	20 A		_		UVA	UVA	0 VA	0 VA	1		SPARE		24	_		
-	25	COMPUTER RECEPT 8058	20 A	1		0 VA		_	UVA	UVA	1	20 A	SPARE		26	_		
-	25	COMPUTER RECEPT 805B		1	0 VA	OVA	D.VA	DVA	_		1	20 A	SPARE SPARE		28	_		
\rightarrow			20 A				UVA	UVA			1					_		
-	29	COMPUTER RECEPT. 8058	20 A	1				_	0 VA	0 VA	1 1		SPARE		30			
\rightarrow	31	SPARE SPARE	20 A	1	0 VA	0 VA	0.74	n va	_			20 A	SPARE		32	_		
				1			0 VA	0 VA			1							
\rightarrow	35	SPARE	20 A	1	_			_	0 VA	0 VA	1	20 A	SPARE		36			
_	37	SPARE	20 A	1	0 VA	4950 VA								L	38			
\rightarrow	39	SPACE		1				4500 VA			3	20 A	L8F		40			
	41	SPACE		1						4440 VA					42			
				LOAD		0 VA		0 VA		IO VA	J							
FGEN			TOTA	AMPS:	- 4	A		8.A	. 3	7 A								
	CATED				RCPT - RE- LTG - LIGH (E) - EXIST	TING							MOTOR KITCHEN APPLIANCE					
OAD C	LASSIF	ICATION		CONNE	CTED LOAD	-	EMAND FAC	CTOR	ESTIMATE	ED DEMAND			PANEL.	TOTALS				
IGHTIN					0 VA		0.00%			VA						_		
RECEPT	ACLE			13	1800 VA		86.23%		119	AV 00			TOTAL CONN. LOAD:	13800 VA				
MOTOR					0 VA		0.00%		0	VA			TOTAL EST. DEMAND:	11900 VA		_		
QUIPN	ENT				0 VA		0.00%		0	VA		_	TOTAL CONN. CURRENT:	38 A		_		
-EATIN	3				0 VA		0.00%		0	VA	_	TOTAL E	EST. DEMAND CURRENT:	33 A		_		
KITCHE	N				0 VA		0.00%		0	VA			CAPACITY:	200 A		_		
					0 VA		0.00%		0 VA		SPARE CAPACITY: 167 A				_			





ELECTRICAL: Shafter - Basconi Engineering & Consulting 3500 S. Wadeworth Blvd. Salte 500 Laterwood, CO 90235 303-989-8000
ARCHITECT: Architectusi Workshop 2 Katernath Steed Denies, CO 90223 S05-768-1717

SBEC Project #: Scale:	210032
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
100% CONSTRUCTION	12/01/202

		Branch Panel: H8 MANUFACTURER AND TYPE: SQUARE D NI INSTALLED: Electrical Upgr DEMOLISHED: None BUS RATING: 225 A AIC RATING: 35000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		F		NORMAL POWER SPO: IROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: MDC		
CUSTOR	IIZATIO	INS:													
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES	TRIP	LOAD DESCRIPTION		NOTE
		LIGHTING W.	20 A	1	O VA	0 VA					1		LIGHTING	2	
		LIGHTING S.W.	20 A	- 1			0 VA	0 VA			1		LIGHTING N.	4	
		LIGHTING S.	20 A	- 1					0 VA	0 VA	1		LIGHTING N.W.	6	
		LIGHTING S.E.	20 A	- 1	0 VA	0 VA					- 1	20 A	LIGHTING	- 8	
		LIGHTING E.	20 A	- 1			0 VA	0 VA			1		LIGHTING	10	
\neg		SPARE	20 A	1					0 VA	0 VA	-	20 A	SPARE	12	\perp
		SPARE	20 A	- 1	0 VA	0 VA					1	20 A	SPARE	14	
		SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	16	
		SPARE	20 A	- 1					0 VA	0 VA	1	20 A	SPARE	18	
	19	SPARE	20 A	- 1	0 VA	0 VA					1	20 A	SPARE	20	Т
		SPARE	20 A	1			0 VA	0 VA			1		CAN LTS IN LOBBY	22	
		SPARE	20 A	- 1					O VA	0 VA	1	20 A	SPARE	24	Т
		SPARE	20 A	1	0 VA	0 VA					-	20 A	SPARE	26	
		SPARE	20 A	- 1			0 VA	0 VA			-1	20 A	SPARE	28	
		SPARE	20 A	- 1					0 VA	0 VA	-	20 A	SPARE	30	Т
\neg	31	SPACE		- 1		-					1		SPACE	32	т
	33	SPACE	-	- 1			-				1		SPACE	34	Т
	35	SPACE	-	- 1						-	1		SPACE	36	Т
		SPACE	-	1		-					1		SPACE	38	${}^{-}$
	39	SPACE	-	- 1			-				1	**	SPACE	40	Т
-	41	SPACE		- 1							1		SPACE	42	-
			TOTA	L LOAD:	0	VA	0	VA	0.	VA			•		•
			TOTAL	L AMPS:		A C	- 0	A		A.					
HTG - H EQP - E	ATED EATING QUIPME	INT			RCPT - REI LTG - LIGH (E) - EXIST	TING ING LOAD							WOTOR RITCHEN APPLIANCE		
		ICATION	_		CTED LOAD	- -	DEMAND FAC	TOR		D DEMAND	_		PANEL TOTALS		
IGHTIN			-		0 VA	_	0.00%	_		VA	_				
RECEPT			_		0 VA	_	0.00%			VA	_		TOTAL CONN. LOAD: 0 VA		
OTOR			_		AV 0	_	0.00%	_		VA	-	_	TOTAL EST. DEMAND: 0 VA		
QUPM			_		0 VA	_	0.00%			VA	-		TOTAL CONN. CURRENT: 0 A EST. DEMAND CURRENT: 0 A		
TCHE			_		O VA	_	0.00%	_		VA VA		UIALE			
	•		-			_		_			-		CAPACITY: 225 A		
E)					0 VA		0.00%			VA			SPARE CAPACITY: 225 A		

		Branch Panel: L8G											NORMAL POWER			
		MANUFACTURER AND TYPE: SQUARE D NI INSTALLED: Electrical Upgr DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	na				SPD: HROUGH LUGS: MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM: T-LSG			
custo	MIZATIO	ONS:														
NOTES		LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES		LOAD DESCRIPTION	CF		NOTE
	1				1356 VA	180 VA					1	20 A	COUNTER REC	2		10
10	3	COMPUTER - 800	20 A	3			1356 VA	1200 VA			1	20 A	MICROWAVE	4		10
	- 5								1356 VA	AV 0	,	25 A	SPARE	6		7
10	7	COMPUTER - 800	20 A	1	1356 VA	0 VA								8		_
10	9	COMPUTER - 800	20 A	1			1356 VA	580 VA			2	15 A	FCU-08-008	_11		3
	11	1							1356 VA	580 VA	_			1;		_
10	13	COMPUTER - 800	20 A	3	1356 VA	0 VA					1	20 A	SPARE	1-		
	15						1356 VA	0 VA			1	20 A	SPARE	- 10		
10		COMPUTER - 800	20 A	1					1356 VA	1356 VA				11		
10		COMPUTER - 800	20 A	1	1356 VA	1356 VA					3	20 A	COMPUTER - 800 & FRIDGE/DISPOSA			10
10		COMPUTER - 800	20 A	- 1			1356 VA	1356 VA						Z		
10		GENERAL RECEPTACLE	20 A	- 1					180 VA	AV 0	1	20 A	SPARE	2		
10	25	COMPUTER - 800	20 A	1	1356 VA	0 VA					1	20 A	SPARE	2	æ	
10	27	COMPUTER - 800	20 A	- 1			1356 VA	0 VA			-1	20 A	SPARE	2	18	
10	29	COMPUTER - 800	20 A	1					1356 VA	OVA.	1	20 A	SPARE	3	2)	
10	31	COMPUTER - 800	20 A	- 1	1356 VA	0 VA					-1	20 A	SPARE	3:	2	
10	33	COMPUTER - 800	20 A	1			1356 VA	0 VA			1	20 A	SPARE	3	4	-
10	35	COMPUTER - 800	20 A	1					1356 VA	1407 VA	1	20 A	DISPOSAL	3	8	10
10	37	COMPUTER - 800	20 A	1	1356 VA	1680 VA								3	8	_
10	39	COMPUTER - 800	20 A	1			1356 VA	1680 VA			3	20 A	CU-09-008	44	n	4
10		COMPUTER - 800	20 A	1	_	_			1356 VA	1680 VA	1 1			4		
-10		DOM GIER-BE		L LOAD:	127/	8 VA	1420	8 VA		39 VA	_	_	1			_
				L AMPS:		6 A	12			2 A	1					
LEGEN	D:	-	IOIA	L AMPO.	- 10	on.	12	UA		2.h	_	_		-	_	_
HTG - H EQP - E	EATING				RCPT - REG LTG - LIGH (E) - EXIST	TING							MOTOR KITCHEN APPLIANCE			
LOAD O	LASSIF	CATION		CONNE	CTED LOAD	_	DEMAND FAC	TOR	ESTIMATE	D DEMAND			PANEL TOTALS			_
LIGHTI			-		0 VA	_	0.00%			VA					_	_
RECEP	TACLE		-	34	155 VA		64.64%		220	78 VA			TOTAL CONN. LOAD: 40355 VA			_
MOTOR			-		200 VA	_	120.32%			IO VA	-		TOTAL EST. DEMAND: 29538 VA			_
FOUR			-		0.VA	_	0.00%			VA		_	TOTAL CONN. CURRENT: 112 A		_	_
HEATIN			-		0 VA	_	0.00%			VA	_		EST. DEMAND CURRENT: 82 A		_	_
KITCHE	N		-			_					-				_	_
			-			_					-					_
KITCHE (E) NOTES	N		+		0 VA 0 VA	+	0.00% 0.00%		0	VA VA	+	IOIAL	EST. DEMAND CUPRENT! [82 A CAPACITY: [150 A SPARE CAPACITY: [68 A			

		Branch Panel: L8A MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Electrical Upgre DEMOUSHED: Nane BUS RATING: 225 A AIC RATING: 10000 A					VOLTS PHASES WIRES GROUND MAIN CB	4 X	ye				NORMAL SPD: IROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM:	POWER		
custor	AIZATIO	ONS:														
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		C	POLES		LOAD DESC	RIPTION	CKT	NOTE
	1	COPIER IN OPEN SPACE	20 A	- 1	AV 0	0 VA					1	20 A	TRACK LIGHTS		2	
_	3	RECEPT. RM 810	20 A	- 1			0 VA	0 VA			1	20 A	TRACK LIGHTS		4	-
_	5	TRACK LIGHTS RM 810	20 A	1			_		0 VA	0 VA	1	20 A	TRACK LIGHTS		- 6	-
_		TRACK LIGHTS RM 820	20 A	1	0 VA	0 VA	_		_		+	20 A	WIREMOLD RECEPTACL		- 8	-
_	9	RESTROOM LIGHTS	20 A	- 1			0 VA	0 VA				20 A	WIREMOLD RECEPTACL		10	-
\rightarrow	11	TRACK LIGHTS RM 808	20 A	1			_	-	0 VA	0 VA	1	20 A	WIREMOLD RECEPTACL	ES	12	-
_	13	TRACK LIGHTS RM 815 TRACK LIGHTS RM 821	20 A	1	0 VA	OVA	0.1/4	0 VA			1	20 A	CAN LIGHTS IN HALL	TLOUBIOE	14	+
-	17	TRACK LIGHTS RM 821	20 A	1			0 VA	U VA	0 VA	0 VA	+	20 A	CAN LIGHTS IN STUDEN CAN LIGHTS IN RM 831	LUUNGE	18	+
_		TRACK LIGHTS RM 809 TRACK LIGHTS RM 806	20 A		0 VA	0 VA	_		UVA	U VA	+	20 A	WIREMOLD RECEPTACE		20	+
\rightarrow	19	HALL 816 DISPOSAL	20 A	1	UVA	U VA	0 VA	0.VA			+	20 A	CAN LTS IN LOBBY	50	20	+
\rightarrow	21	HALL S16 DISPOSAL HALL GFCI RECEPT.	20 A	1			UVA	UVA	0 VA	0 VA	+	20 A	TRACK LIGHTS		22	+
\rightarrow	25	TRACK LIGHTS RM 801	20 A	1	0 VA	0 VA		-	UVA	UVA	+	20 A	GECLIN DARK RM 817		26	-
\rightarrow	27	LIGHTS IN RM 812	20 A	1	UVA	UVA	0 VA	0 VA	-		+	20 A	LIGHTS IN STUDENT/840	D DECEDE	28	+
\rightarrow	29	LIGHTS IN STUDIO SPACE	20 A	1			UVA	UVA	OVA	0 VA	1	20 A	TRACK LIGHTS RM 802	PL REGER I.	30	-
-	31	DARK RM LIGHTS	20 A	1	0 VA	0 VA	_	_	0.14	0.44	H + +	20 A	LIGHTS IN HALLWAY		32	-
\rightarrow	33	LIGHTS IN CONTROL ROOM	20 A	1	UVA	UVA	0 VA	0 VA	_	_	1	20 A	CAN LIGHTS		34	+
-	35	STUDENT LOUNGE RECEPT.	20 A	1	_		0.44	VIA	0 VA	D.VA	H +	20 A	TRACK LIGHTS RM 821		36	-
	37	STUDENT LOUNGE RECEPT.	20 A	1	0 VA	0 VA	_		0.111	0.171	1	20 A	TRACK LIGHTS		38	-
-	39	CAN LIGHTS	20 A	1	UIA	0.111	0 VA	0 VA	-		_	_			40	-
\rightarrow	41	CAN LIGHTS	20 A	1		_	0.41	UIA	0 VA	0 VA	2	20 A	WATER HEATER		42	-
-	43	SPARE	20 A	1	0 VA	-		_	V III	0.471	1	-	SPACE		44	+
-	45	SPARE	20 A	1	UIA	-	D.VA		-		1		SPACE		46	+
$\overline{}$	47	SPARE	20 A	1			0.171		0 VA	-	1	-	SPACE		48	-
	49	SPARE	20 A	1	0 VA	-					-		SPACE		50	_
\rightarrow	51	SPARE	20 A	1	0.111		0 VA		_		1		SPACE		52	-
-	53	SPARE	20 A	1			- 111		OVA	-	1		SPACE		54	-
\neg	55	SPARE	20 A	1	0 VA		_				1		SPACE		56	+
\neg	57	SPARE	20 A	1			0 VA	-	_		1	-	SPACE		58	-
\neg	59	SPARE	20 A	- 1					0 VA						60	_
_				L LOAD:		VA	0	VA	0.	VA.	-	_				_
			TOTAL	L AMPS:	_	i A		I A		A						
TG - H		FULLY BUSSED SPACE TO BE PROVIDED			RCPT - REI LTG - LIGH (E) - EXIST	TING						MTR - N KTN - K	AOTOR JTCHEN APPLIANCE			
		CATION			CTED LOAD) (DEMAND FAC	CTOR		D DEMAND			PANEL	TOTALS		
GHTIN			\perp		0 VA		0.00%			VA						
					0 VA		0.00%			VA			TOTAL CONN. LOAD:			
OTOR					0 VA		0.00%			VA			TOTAL EST. DEMAND:			
					0 VA		0.00%			VA			TOTAL CONN. CURRENT:			
EATIN					0 VA		0.00%			VA		TOTAL E	ST. DEMAND CURRENT:			
TCHE	٧	<u> </u>			0 VA		0.00%	-		VA			CAPACITY:			
-					0 VA		0.00%		- 0	VA			SPARE CAPACITY:	200 A		
NOTES:																

		Branch Panel: L8B MANUFACTURER AND TYPE: SQUARE D NO INSTALLED: Electrical Upgra DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A	des				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	ye.				NORMAL POWER SPD: HROUGH LUGS: X MOUNTING: FLUSH ENCLOSURE: NEMA 1 SUPPLY FROM:		
custo	MIZATIO	ONS:													
NOTES	CKT	LOAD DESCRIPTION	TRIP	POLES		A		В		С	POLES	TRIP	LOAD DESCRIPTION	CKT	NOTES
	-1	REFRIGERATOR	20 A	1	0 VA	AV 0					1	20 A	RECEPT. RM 821	2	-
	3	MICROWAVE	20 A	1			0 VA	0 VA			1	20 A	RECEPT. RM 820	4	
	- 5	A/C GFCI RECEPT.	20 A	1					0 VA	0 VA	1	20 A	RECEPT. RM 815	6	
	7	DISPOSAL	20 A	1	0 VA	AV 0					1	20 A	RECEPT. RM 808	- 8	_
	9	RESTROOM RECEPT.	20 A	- 1			0 VA	0 VA			1	20 A	RECEPT. RM 808	10	
	11	RECEPT. RM 838-841	20 A	1					0 VA	OVA	1	20 A	RECEPT. RM 809	12	_
	13	CONF RM FLOOR RECEPT, 840	20 A	1	0 VA	O VA					1	20 A	RECEPT. RM 810	14	
	15	RECEPT. RM 825	20 A	1			0 VA	0 VA			1	20 A	RECEPT. 801, 806	16	_
	17	FURNITURE RECEPT.	20 A	1					0 VA	0 VA	1	20 A	RECEPT, RM 02	18	
	19	FURNITURE RECEPT.	20 A	1	0 VA	AV 0					1	20 A	LOBBY RECEPT.	20	1
	21	FURNITURE RECEPT.	20 A	1			0 VA	0 VA			1	20 A	RECEPT. RM 818	22	\perp
	23	RECEPT. RM 829	20 A	- 1					0 VA	0 VA	1	20 A	WIREMOLD RM 804,840 FLOOR RECEPT.	24	1
	25	RECEPT. SEMINAR RM 831	20 A	1	0 VA	AV 0					1	20 A	WIREMOLD RM 804	26	\perp
	27	CK LIGHTS	20 A	1			0 VA	0 VA			1	20 A	RECEPT. RM 812	28	
	29	FIRE ALARM	20 A	- 1					0 VA	0 VA	1	20 A	RECEPT. RM 812	30	T
	31	RECEPT. RM 823, 840	20 A	1	0 VA	0 VA					1	20 A	RECEPT. RM 813	32	
	33	STUDENT LOUNGE RECEPT.	20 A	- 1			0 VA	0 VA			1	20 A	RECEPT. RM 813	34	
	35	CONFERENCE RM FLOOR RECEPT.	20 A	-					0 VA	0 VA	1	20 A	SPARE	36	
	37	EXHAUST MOTORS	20 A	- 1	0 VA	O VA								38	
	39	SPARE	40 A	2			0 VA	0 VA			3	100 A	PANEL L881	40	1
	41	SPARE	40 A	4					0 VA	0 VA	1			42	1
	43	SPARE	20 A	1	0 VA						1	-	SPACE	44	1
	45	SPARE	20 A	- 1			0 VA	-			- 1	-	SPACE	46	
	47	SPARE	20 A	1					0 VA	-	1	-	SPACE	48	-
	49	SPARE	20 A	1	0 VA						1	-	SPACE	50	1
	51	SPARE	20 A	1			0 VA	-			1		SPACE	52	
	53	SPARE	20 A	1					0 VA		1		SPACE	54	-
	55	SPARE	20 A	1	0 VA						1		SPACE	56	-
	57	SPARE	20 A	1			0 VA	-			1	-	SPACE	58	-
	59	SPARE	20 A	- 1					0 VA		- 1	-	SPACE	60	
_			TOTAL	L LOAD:	0	VA.	0	VA	0	VA.					
			TOTAL	L AMPS:		I A	0) A	- 0	A	•				
HTG - H EQP - E	CATED EATING QUIPMI	ENT			RCPT - REG LTG - LIGH (E) - EXIST	TING ING LOAD						MTR - F	TCHEN APPLIANCE		
		ICATION			CTED LOAD)	DEMAND FAC	CTOR		D DEMAND			PANEL TOTALS		
LIGHTIN					0 VA		0.00%			VA					
RECEP'			-		0 VA		0.00%	-		VA			TOTAL CONN. LOAD: 0 VA		
MOTOR		·			0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA		
EQUIPN			$-\Gamma$		0 VA		0.00%			VA			TOTAL CONN. CURRENT: 0 A		
HEATIN					0 VA		0.00%			VA		TOTAL I	ST. DEMAND CURRENT: 0 A		
KITCHE	N				0 VA		0.00%			VA			CAPACITY: 200 A		
(E)					0 VA		0.00%		0	VA			SPARE CAPACITY: 200 A		
NOTES															





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Acc	nitectural Wor	ishop	
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SBEC Project #:	210032
Scale:	
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For: 100% CONSTRUCTION	Date:
100/s COMa (RUCTION	red reac

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LOJO DESCRIPTION AIR COMPRESSION AIR COMPRESSION AIR TRACE TOWER OF DREAD TRACE TOWER OF DREAD TRACE TOWER OF OWNER THAT TRACE TOWER OWNER THAT TRACE TOWER OWNER THAT TRACE TOWER OWNER THAT THAT TRACE TOWER OWNER THAT THAT THAT TRACE TOWER OWNER THAT THAT TRACE TOWER THAT THAT THAT THAT THAT THAT THAT THA	TRIP 20 A	POLES 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AVO AVO	OVA	0 VA	0 VA	OVA	0 VA	POLES 1 1	20 A	LOAD DESCRIPTION SIEMENS CONTROL PANEL UNIT HEATERIAN CONTROL PANEL	2 4 6	NOTE
AR COMPRESSOR HEAT TRACE TOWER OF DEVIATION OF PAMP OF ORCHANT OF THE PAMP OF TWEETER PAMP OF	20 A 20 A 20 A 20 A 20 A 20 A 20 A 20 A	1 1 1 1 1 1 1 1 1 1 1	AVO AVO	0 VA	0 VA	0 VA			1 1	20 A	SIEMENS CONTROL PANEL UNIT HEATER/FAN	2 4 6	NOTE
HEAT TRACE TOWER OF CIRCULAT ROME HOT WATER PUMP SPARE LIGHT AIR PLENAM CU SIGN CU SIGN CU SIGN CONTROL CHILLER 1 COUTTET WICH RM GO OUTTET WICH RM GO OUTTET WICH RM GO OUTTET COMM PANEL SPACE	20 A 20 A 20 A 20 A 20 A 20 A 20 A 30 A 30 A 20 A 20 A	1 1 1 1 1 1 1 1 1 1 1	0 VA	0 VA			0 VA	0 VA	1	20 A	UNIT HEATER/FAN	4 6	\pm
CT CIRCULATING PAMP SPAGE UGHT AMER PLENAM CU SIGN CU SIGN CONTROL CHILLER 1 SPAGE SOUTHET MECH RM SO OUTHET MECH RM SO OUTHET MECH RM SO OUTHET COMM PANNEL SPACE	20 A 20 A 20 A 20 A 20 A 20 A 20 A 30 A 30 A 20 A 20 A	1 1 1 1 1 1 1 1 1 1 1	0 VA				0 VA	0 VA	Ť			- 6	_
HOT WATER PUMP SPARE UIGHT AIR PLENUM CU SIGN CU SIGN CONTROL CHILLER 1 SPARE IG CONTERT HECH RIM IG CUTTET MECH RIM IG CUTTET EFFCH RIM IG CUTTET FECH RIM IG CUTTET FECH RIM IG CUTTET FECH RIM IG CUTTET STANDARD	20 A 20 A 20 A 20 A 20 A 20 A 30 A 30 A 20 A 20 A	1 1 1 1 1 1 1 1	0 VA		0 VA	n va	OVA	UVA					
SPARE LUGHT AIR PLENUM CU SIGN CONTROL CHILLER 1 SPARE GOUTLET MECH RM GOUTLET MECH RM GOUTLET GOMM PANEL SPACE	20 A 20 A 20 A 20 A 20 A 30 A 30 A 20 A 20 A	1 1 1 1 1 1 1	0 VA		0 VA	OVA					ROOF RECEPT.		+
LIGHT JAR PLENUM CU SIGN CONTROL CHILLER 1 SPARE IG OUTLET MECH RM IG OUTLET MECH RM IG OUTLET MECH RM IG OUTLET FECH RM IG OUTLET FECH RM SO OUTLET FECH RM SO OUTLET FORM PANEL SPACE	20 A 20 A 20 A 30 A 30 A 20 A 20 A	1 1 1 1 1 1		0 VA	UVA				1			- 8	+
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IG OUTLET MECH RM IG OUTLET COMM PANEL SPACE	20 A		- 1/4	0 VA					1		MECH RM EXHAUST FAN	20	+
IG OUTLET COMM PANEL SPACE					0 VA	0 VA	_		1		FCV-05,09	22	-
SPACE		1					0 VA	0 VA	1		REFRIGERENT PANELS	24	-
		1	0 VA	0 VA	_				1	20 A	SPARE	26	-
		- 1			-				1	**	SPACE	28	-
TCV-06	20 A	1					0 VA	0 VA	1		FCV-1,2,7,8	30	₩
SPARE	20 A	- 1	0 VA						1		SPACE	32	
SPARE	20 A	- 1			0 VA				1		SPACE	34	_
SPARE	20 A	- 1					0 VA		1		SPACE	36	
SPARE	20 A	1	O VA						1 1	**	SPACE	38	
SPARE	20 A	- 1			0 VA				1 1 1		SPACE	40	1
SPARE	20 A	- 1					0 VA		1		SPACE	42	\Box
	TOTAL	L AMPS:) A		A	. 0	A					
FULLY BUSSED SPACE TO BE PROVIDED 3			LTG - LIGH	TING									
CATION		CONNE	CTED LOAD) I	DEMAND FAC	TOR	ESTIMATE	D DEMAND	\neg		PANEL TOTALS		
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					0.00%					OTAL E			_
			0 VA		0.00%		0.	VA			CAPACITY: 70 A		
			0 VA		0.00%		0.	VA			SPARE CAPACITY: 70 A		
FSE	SPARE FULLY BUSSED SPACE TO BE PROVIDED INT	SPARE 20 A TOTA TOTA TOTA TOTA TOTA TOTA TOTA TO		SPARE	SPANE	SPANE	SPANE	370	SPANE	SPANE	\$70.00 \$		SPANE SSA

 CONNECTED LOAD
 DEMAND FACTOR
 ESTIMATED DEMAND

 0 VA
 0.00%
 0 VA

 0 VA
 0.00%
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LEGEND:

"-- MOZCATED FULLY BUSSED SPACE TO BE PROVIDED INTO - HEATING."

LOAD CLASSIFICATION

LIGHTNO.

MICLOFFICIALE.

MOTOR.

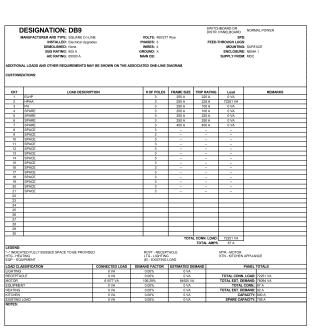
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	9 SPARE	20 A				0 VA				1 1	-	SPACE	40				SPARE		1		_	0 VA	0.		_
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D:		LIGIA	L MMPS:		n		/A		//						LEGENO	n,		11017	AL MAPS:		HVA		1 14 A		105
	ED FULLY BUSSED SPACE TO BE PROVIDED			RCPT - REC	PERTACLE						MTR	- MOTOR					FULLY BUSSED SPACE TO BE PROVIDED			DON'T D	ECEPTACL	e			
G - HEATI	ING			LTG - LIGHT	TING						KTN	- KITCHEN APPLIANCE			HTG - H	EATIN	G			LTG - LIG	HTING				
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AD CLAS	SIFICATION		CONNE	CTED LOAD	D D	EMAND FAC	CTOR	ESTIMATE	D DEMAN	ID		PANEL TOTALS			LOAD C	CLASS	IFICATION		CONNEC	CTED LO	AD	DEMAND F	ACTOR	ESTIM	ATED
SHTING				0 VA		0.00%			VA						LIGHTIN					0 VA		0.005			0 V
CEPTACL	LE			0 VA		0.00%			VA			TOTAL CONN. LOAD: 0 VA			RECEPT					355 VA		55.93			47178
OTOR				0 VA		0.00%			VA			TOTAL EST. DEMAND: 0 VA			MOTOR					AV 009		120.32			7460
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) DTES:				0 VA		0.00%		- 0	VA			SPARE CAPACITY: 70 A			(E) NOTES:					0 VA		0.001	4		0 V
	Branch Panel: ELHP MANUFACTURER NO TYPE: SOURCE DIN MISTALLEE JEGICAL Upgr											NORMAL POWER												SWITCH	
	DEMOLISHED: None BUS RATING: 225 A AIC RATING: 35000 A	33.03				VOLTS: PHASES: WIRES: GROUND: MAIN CB:	: 4 : X	'ye			FEED	SPO: -THROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: 089				MAN	SIGNATION: DB9 IUFACTURER AND TYPE: SQLIARE D I-LINE INSTALLED: Ellectrical Upgrades DEMOLISHED: None BUS RATING: 800 A AIC RATING: 65000 A			PH V GR: MA	OLTS: 4800 ASES: 3 MRES: 4 DUND: X IN CB:	,		DISTR.	PANE
JSTOMIZA DTESI CK	BUS RATING: 225 A AIC RATING: 35000 A ATIONS:		POLES		•	PHASES: WIRES: GROUND: MAIN CB:	3 4 X		c	POL		THROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: D69	СК	т Іноте:	ADDITIC	MAN	UFACTURER AND TYPE: SQUARE DILLINE INSTALLED: Electrical Upgrades DEMOLISHED: None BUS RATING: 800 A AC RATING: 65000 A LOADS AND OTHER REQUIREMENTS MAY BE 5	SHOWN	ON THE AS	PH V GR: MA	ASES: 3 JIRES: 4 DUND: X IN CB:	,		DISTR.	PANE THRO
	BUS RATING: 225 A AIC RATING: 39000 A ATIONS: T LOAD DESCRIPTION		POLES 1	o va	A.	PHASES: WIRES: GROUND: MAIN CB:	3 4 X		c	POLI	FEED	THROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: D69	CK 2	T NOTE:		MAN	UFACTURER AND TYPE: SQUARE DILLINE INSTALLED: Electrical Upgrades DEMOLISHED: None BUS RATING: 800 A AC RATING: 65000 A LOADS AND OTHER REQUIREMENTS MAY BE 5	SHOWN	ON THE AS	PH V GR: MA	ASES: 3 JIRES: 4 DUND: X IN CB:	,		DISTR.	PANE THRO
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1 3 5 7 9	BUS RATING: 225 A AC RATING: 35000 A ATIONS: LOAD DESCRIPTION SWITTAG ECUMPAENT SWITTAG ECUMPAENT SPACE JPACE JPA	TRIP 20 A 20 A	1 1	0 VA	OVA	PHASES: WIRES: GROUND: MAIN CB:	3 4 X		0 VA	3	ES TRI	THROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: 069 P LOAD DESCRIPTION	2 4 6 8		ADDITIC CUSTON	ONAL MIZAT	LUPACTURER AND TYPE: SQUARED ILLINE INSTALLED: Electrical Upgrades DEMOLISHED: Room BUS RATING: 8000 A AG RATING: 8000 A LOADS AND OTHER REQUIREMENTS MAY BE: ONNS: LOAD DESCRIPTION LIFE	SHOWN (ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 MIRES: 4 DUND: X IN CB: ED ONE-LIN M OF POLE 3	E DIAGRAM S FRAME 250	SIZE 1	DISTR. FEED- TRIP RATING 225 A	PANE THRO
TES CK	BUS RATING: 225 A AC RATING: 35000 A ATIONS: LOAD DESCRIPTION SWITTAG ECUMPAENT SWITTAG ECUMPAENT SPACE JPACE JPA	TRIP 20 A 20 A	1 1	0 VA	OVA	PHASES: WIRES: GROUND: MAIN CB:	B 0 VA			3	ES TRI	THROUGH LUGS: X MOUNTING: SUFFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB9 P LOAD DESCRIPTION A ELEVATOR #1	2 4 6		ADDITIC CUSTON	ONAL IMIZAT	UIFACTURER AND TYPE: BOULARED ILLINE INSTALLED: Blecticat Upgrades DEMOLISHED: Room BUS RATING: 8000 A AC RATING: 8000 A LOADS AND OTHER REQUIREMENTS MAY BE 5 KNS: LOAD DESCRIPTION LIFP LOAD DESCRIPTION LIFP PIA	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 AIRES: 4 DUND: X IN CB: ED ONE-LIN A OF POLE 3 3	S FRAME	SIZE A	DISTR. FEED- TRIP RATING 225 A 225 A	PANE THRO
0TES CK 1 3 5 7 9	BUS RATING: 225 A AC RATING: 35000 A ATIONS: LOAD DESCRIPTION SWITTAG ECUMPAENT SWITTAG ECUMPAENT SPACE JPACE JPA	TRIP 20 A 20 A	1 1	0 VA	OVA	PHASES: WIRES: GROUND: MAIN CB:	B 0 VA	-	0 VA	3	ES TRI	THROUGH LUGS: X MOUNTING: SUFFACE ENCLOSURE: NEMA 1 SUPPLY FROM: DB9 P LOAD DESCRIPTION A ELEVATOR #1	2 4 6 8		ADDITIC CUSTON	ONAL I	LURACTURER AND TYPE: SQUIMER DI LINE NEMALIES Electrical Upgrades DEMOLISHED: Hone BUR RATING: 800 A AC RATING: 800 A LOADS AND OTHER REQUIREMENTS MAY BE COMB: LOAD DESCRIPTION LIPE PHA H	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 MIRES: 4 DUND: X IN CB: ED ONE-LIN M OF POLE 3	S FRAME 250 250 250 250	SIZE A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A	PANE THRO
7 9 11	BUS RATING: 225 A AIC RATING: 35000 A ATIONS: TY LOAD DESCRIPTION EXISTING EQUIPMENT SPACE SPACE SPACE SPACE	TRIP 20 A 20 A 	1 1 3	0 VA	0 VA	PHASES: WIRES: GROUND: MAIN CB:	B 0 VA	-	0 VA	3	ES TRI 70	THROUGH LUGS. X MOUNTING. SURFACE ENCLOSURE: NEMA 1 SUPPLY PROME. DO9 P LOAD DESCRIPTION A ELEVATOR #1 A ELEVATOR #2 SPACE	2 4 6 8 10		CUSTOI CAT 1 2 3 4	ONAL I	URACTURER AND TYPE: GOURSE D LINE NETALLES Electrical Upgrades DEMOLISHED: Hone BUR RATING: 600 A AND ATTER REQUIREMENTS MAY BE: GONS: LOAD DESCRIPTION LIPP PARA PARA PARA PARA PARA PARA PARA P	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 AIRES: 4 DUND: X IN CB: ED ONE-LIN A OF POLE 3 3	S FRAME	SIZE A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A	PANE THRO
7 9 11	BUR RATING: 225 A AG RATING: 25000 A ATTOMS: TT LOAD DESCRIPTION EXISTING EXPANSITY E	TRIP 20 A 20 A 70 A	1 1 3	0 VA	0 VA	PHASES: WRES: GROUND: MAIN CB:	8 0 VA	-	0 VA	3	ES TRI 70	T-HROUGH LUGS. X MOUNTING: SUFFACE ENCLOSURE: NEIAN 1 SUPPLY FROM: CED LOAD DESCRIPTION A ELEVATOR #1 A ELEVATOR #2 SPACE SPACE	2 4 6 8 10 12		ADDITIO	ONAL I	UMACTURER AND TYPE: SQUARED IN LINE INSTALLED Electrical Upgrades DEMOLISHED: Frome BUS ARTING: BODO AND CATEFACTION BUS ARTING: BODO AND CATEFACTION LOAD DESCRIPTION LOAD DESC	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ARES: 4 DUND: X IN CB: ED ONE-LIN A OF POLE 3 3 3 3 3 3	S FRAME 250 250 250 250 250 250 250 250 250 250	SIZE A A A A A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A 100 A 225 A	PANE THRO
7 S CK	BUR RATING: 225 A AG RATING: 25000 A ATTOMS: TT LOAD DESCRIPTION EXISTING EXPANSITY E	70 A	3	0 VA	0 VA	PHASES: WRES: GROUND: MAIN CB:	8 0 VA	- OVA	0 VA	3	ES TRI 70 70	T-HROUGH LUGS. X MOUNTING: SURFACE ENCLOSIVE: NEAN 1 SUPPLY FROM: DOP LOAD DESCRIPTION A ELEVATOR #2 SPACE SPACE SPACE SPACE	2 4 6 8 10 12 14		CUSTOI CAT 1 2 3 4	ONAL I	UMACTURER AND TYPE: GOURSE () LINE UNITATION () Electron Upgedes DENOMBRED HORS DENOMBRED HORS DENOMBRED HORS AND RETHREE SCOOL A LOADS AND OTHER REQUIREMENTS MAY BE (LOADS DESCRIPTION LOAD DESCRIPTION HOW HOW HOW HOW HOW HOW HOW H	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ASES: 4 DUND: X IN CB: ED ONE-LIN # OF POLE 3 3 3 3 3	\$ FRAME 250 250 250 250 250 250	SIZE A A A A A A A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A 100 A 225 A 225 A	PANE THRO
7 CK	BUR RATING: 225 A RATING: 225 A RATING: 225 A RATING: 35000 A	70 A	1 1 1 3	AV 0	OVA OVA	PHASES: WRES: GROUND: MAIN CB:	8 0 VA	- OVA	0 VA	3 1 1 1	ES TRO	THROUGH LUGS X MOUNTING SUPFACE INCLOSING NEWA 1 SUPFACE INCLOSING NEWA 1 SUPFACE INCLOSING NEWA 1 SUPFACE	2 4 6 8 10 12 14 16 18 20		ADDITIO	MANAMIZAT	UNACTURER AND TYPE: SQUARED I A. INE INSTALLED: Electrical Upgedes DENACISHED: None DENACISHED: None DENACISHED: None AND CRITICAL SCOOL AND CRITICAL SCOOL AND CRITICAL SCOOL AND CRITICAL SCOOL AND DESCRIPTION LAND DESCRIPTION LIFE AND	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ARES: 4 DUND: X IN CB: ED ONE-LIN A OF POLE 3 3 3 3 3 3	S FRAME 250 250 250 250 250 250 250 250 250 250	SIZE A A A A A A A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A 100 A 225 A	PANE THRO
7 9 11 13 15 17 19 21	BUR RATING: 225 A ATTOMS: TO T LOAD DESCRIPTION EXECUTIVE COMPARENT EXECUTIVE COMPARENT BYANG	70 A	1 1 1 3 1 1 1	AV 0	OVA OVA	PHASES: WRES: GROUND: MAIN CB:	B 0 VA 0 VA	- OVA	0 VA	3 1 1 1 1 1	70 70	T-HROUGH LUGS. X MOUNTING: SUPFACE ENCLOSIVE: NEAN 1 SUPFALY FROM: DOP LOAD DESCRIPTION A ELEVATOR #2 SPACE SPACE SPACE	2 4 6 8 10 12 14 16		CUSTOI CHARLES CHAR	MANAMIZAT	UPACTURER AND TYPE: GOURSE DILINE UPACTURER AND TYPE: GOURSE DILINE UPACTURER DEVICE AND	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ARES: 4 DUND: X IN CB: ED ONE-LIN # OF POLE 3 3 3 3 3 3 3	\$ FRAME 250 250 250 250 250 250	SIZE AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	DISTR. FEED- TRIP RATING 225 A 225 A 100 A 100 A 225 A 225 A	PANE THRO
DTES CK 1 3 5 7 9 11 13 15 17 19 21 23	BUS RATING: 256 A	70 A	1 1 1 3 1 1 1 1 1	AV 0	OVA OVA	PHASES: WRES: GROUND: MAIN CB:	B 0 VA 0 VA	OVA	0 VA	3 3 1 1 1 1 1 1 1	ES TRI	THROUGH LUGS. X MOUNTAIN SURPLY FROM. CEO P LOAD DESCRIPTION A ELEVATOR #1 A ELEVATOR #2 SPACE SPACE SPACE SPACE SPACE SPACE	2 4 6 8 10 12 14 18 20 22 24		ADDITIC CUSTO! CKTT 1 2 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	MANAMIZAT F E H H P P S S S S S S S S S S S S S S S S	UMACTURER AND TYPE: SQUARED IN LINE UNITATION (Extended Upgener) DEMOLRHED None DEMOLRHED None LANGE OF THE PROPERTY OF THE PR	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ASES: 4 DUND: X IN CB: ED ONE-LIN # OF POLE 3 3 3 3 3 3 3 3 3	S FRAME 250 250 250 250 250 400	SIZE A A A A A A A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A 100 A 225 A 250 A 400 A	PANE THRO
DTES CK 1 1 3 6 7 9 11 13 15 17 17 19 23 25	BUS RATING: 228 A AC RATING: 3000 A AC RATING: 3	70 A	1 1 1 3 1 1 1 1 1 1	AVO	OVA OVA	PHASES: WRES: GROUND: MAIN CB:	B 0 VA 0 VA	OVA	0 VA	3 3 1 1 1 1 1 1 1 1 1 1 1	70 70	THROUGH LUBS. X MOUNTAIN. SUPPLIES SUPPLY FROM. COO. LOAD DESCRIPTION A ELEVATOR #1 A ELEVATOR #2 SPACE	2 4 6 8 10 12 14 16 18 20		ADDITIC CUSTON CHARLES 1 1 2 3 3 4 5 6 6 7 7 8 8	MANAMIZAT F E H H P P S S S S S S S S S S S S S S S S	UNACTURER AND TYPE: SQUARED I A. INE. INTALIZED Extends (Upgodes DENCASHED: Hors DENCASHED: Hors AND RATHER COSTO A AND RATHER COSTO A AND RATHER COSTO A LOADS AND OTHER REQUIREMENTS MAY BE I COSTO LOAD DESCRIPTION LIP LOAD DESCRIPTION LIP WAVE VAVIE VA	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ARES: 4 DUND: X IN CB: DUND: X IN CB: 3 3 3 3 3 3 3 3 3 3 3 3	S FRAME 250 250 250 250 250 250 250 250 250 250	SIZE A A A A A A A A	DISTR. FEED- TRIP RATING 225 A 225 A 225 A 100 A 100 A 250 A 400 A	PANE THRO
DTES CK 1 1 3 5 7 9 111 133 155 17 19 21 223 255 27	BUS BATTNE 2:89A ARTHUR 2:80CA ATTOMAS TY LOAD DESCRIPTION DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DEPORE BPACE	70 A	3 3 1 1 1 1 1 1 1 1	AVO	OVA OVA	PHASES: WRES: GROUND: MAIN CB:	B OVA	OVA	0 VA	3 3 1 1 1 1 1 1 1	70 70	THROUGH LUGS. X MOUNTAINS SURFACE MOUNTAIN SURFACE SUPPLY FROM 600 P LAAD DESCRIPTION A ELEVATOR #1 SPACE	2 4 6 8 100 12 14 16 18 20 22 24 26 28		ADDITIC OUSTON OFFICE 1 1 2 3 4 4 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAXONAL TERMINATION OF THE PROPERTY OF THE PRO	UIFACTURER AND TYPE: GOURSE D LINE UIFACTURER AND TYPE: GOURSE D'ENTOR UIFACTURE DEMOUSHED. Hore DEMOUSHED. HORE DEMOUSHED. HORE NO COSTO A LOAD RATTING: GOOD A LOAD DESCRIPTION LOAD DESCRIPTION LUP LOAD DESCRIPTION LUP RAME RAME RAME RAME RAME RAME RAME RAME	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ARES: 4 DUND: X IN CB: ED ONE-LIN # OF POLE 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	S FRAME 250 250 250 250 250 400	SIZE A A A A A A A A	DISTR. FEED- TRIP RATING 225 A 225 A 100 A 100 A 225 A 400 A	PANE THRO
DTES CK 1 1 3 5 7 9 111 133 155 17 19 21 223 255 27	BUS RATING 2500 A TOOLS TT LOAD RESIDENTION TT LOAD RESIDENTION EXECUTION EXAMPLEY SPACE SPA	70 A	1 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 VA 0 VA	0 VA	PHASES: WRES: GROUND: MAIN CB:	B 0 VA	0 VA	0 VA	3 3 1 1 1 1 1 1 1	70 70	THEODOM LIGHT X MONATING: BUPPACE BUPPACY PROME COD P LOAD DESCRIPTION A CLEVATOR of BUPPACE	2 4 6 8 10 12 14 16 18 20 22 24 26		ADDITIC CUSTON CHARLES 1 1 2 3 3 4 5 6 6 7 7 8 8	MANACONAL OONAL F E H H P P S S S S S S S S S S S S S S S S	UNACTURER AND TYPE: SQUARED IN LINE BRITALED Electrical Upgodes DEMOLISHED. None DEMOLISHE	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ASES: 4 DUND: X IN CB: ED ONE-LIN # OF POLE 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	S FRAME 250 250 250 250 250 250 250 250 250 250	SIZE A A A A A A A A A	TRIP RATING 225 A 225 A 100 A 100 A 250 A 400 A	PANE THRO
DTES CK 1 1 3 5 7 9 111 133 155 17 19 21 223 255 27	BUS BATTNE 2:89A ARTHUR 3:900 A NOOAS VT LOAD DESCRIPTION DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DOSTROT GOADHENT DEPORT DEPO	TRIP 20 A 20 A TOTAI	3 3 1 1 1 1 1 1 1 1 1	0 VA	0 VA	PHASES: WIRES: GROUND: MAIN CB:	B OVA		0 VA	3 3 1 1 1 1 1 1 1	70 70	THEODOM LIGHT X MONATING: BUPPACE BUPPACY PROME COD P LOAD DESCRIPTION A CLEVATOR of BUPPACE	2 4 6 8 100 12 14 16 18 20 22 24 26 28		ADDITIC OUSTON OFFICE 1 1 2 3 4 4 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAXONAL ONAL F E H P P S S S S S S S S S S S S S S S S S	UIFACTURER AND TYPE: GOURSE D LINE UIFACTURER AND TYPE: GOURSE D'ENTOR UIFACTURE DEMOUSHED. Hore DEMOUSHED. HORE DEMOUSHED. HORE NO COSTO A LOAD RATTING: GOOD A LOAD DESCRIPTION LOAD DESCRIPTION LUP LOAD DESCRIPTION LUP RAME RAME RAME RAME RAME RAME RAME RAME	SHOWN	ON THE AS	PH V GRI MA SSOCIATI	ASES: 3 ASES: 4 DUND: X IN CB: ED ONE-LIN # OF POLE 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	S FRAME 250 250 250 250 250 250 250 250 250 250	SIZE A A A A A A A A A	DISTR. FEED- TRIP RATING 225 A 100 A 100 A 225 A 225 A 400 A	PAN

MTR - MOTOR KTN - KITCHEN APPLIANCE

TOTAL CONN. LOAD: 0 VA
TOTAL EST. DEMAND: 0 VA
TOTAL EST. DEMAND: 0 VA
TOTAL CONN. GURRENT: 0 A
TOTAL EST. DEMAND CURRENT: 20 A
SPARE CAPACITY: 200 A

PANEL TOTALS

		D 1 D 1 11011													
		Branch Panel: HPH MANUFACTURER AND TYPE: SQUARE D NF INSTALLED: Electrical Upgra DEMOLISHED: None BUS RATING: 250 A AIC RATING: 42000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X			,		NORMAL SPD: IROUGH LUGS: MOUNTING: SURFACE ENCLOSURE: NEMA 1 SUPPLY FROM: MDC		
custo	MIZATIO	ONS:													
NOTES		LOAD DESCRIPTION	TRIP	POLES				В			POLES	TRIP	LOAD DESC		NOTES
LSI	3	T-LBC	110 A	3	12600 VA	4850 VA	12500 VA	4500 VA			3	110 A	T-L8E	2 4	LSI
	- 5	1							11200 VA	4440 VA				6	
	7 9	SPARE	30 A	3	0 VA	12708 VA	OVA	14308 VA			3	70 A	T-L8G	8	-
	11	1							0 VA	13339 VA				12	
	13				0 VA	0 VA					1	20 A	SPARE	14	
	15	SPARE	45 A	3			0 VA	0 VA			1	20 A	SPARE	16	
	17	1							0 VA	0 VA	- 1	20 A	SPARE	18	
	19				0 VA	0 VA					1	20 A	SPARE	20	
	21	SPARE	100 A	3			0 VA	0 VA			- 1	20 A	SPARE	22	
	23	1							0 VA	0 VA	1	20 A	SPARE	24	
	25	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	26	
	27	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	28	
	29	SPARE	20 A	1					0 VA	OVA	1	20 A	SPARE	30	
	31	SPARE	20 A	- 1	0 VA	0 VA					-1	20 A	SPARE	32	
	33	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	34	
	35	SPARE	20 A	- 1					0 VA	0 VA	-1	20 A	SPARE	36	
	37	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	38	\neg
	39	SPARE	20 A	1			0 VA	0 VA			1	20 A	SPARE	40	
	41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42	
	_		TOTA	L LOAD:	3016	8 VA	3140	38 VA	2897	9 VA					
				L AMPS:	- 11	D A	11	4 A	10	5 A					
ITG - H	CATED EATING QUIPMI	ENT			RCPT - REG LTG - LIGH (E) - EXIST	TING NG LOAD						MTR - F	ITCHEN APPLIANCE		
		CATION			CTED LOAD	_ D	EMAND FAC	TOR		D DEMAND			PANEL 1	TOTALS	
GHTI			_		0 VA		0.00%			VA	\perp				
ECEP	TACLE		_		1355 VA	_	55.93%			8 VA	-		TOTAL CONN. LOAD:		
OTOF			_		200 VA		120.32%			0 VA	_		TOTAL EST. DEMAND:		
QUIPI	ENT		_		0 VA	_	0.00%			VA	-			109 A	
			_		0 VA		0.00%			VA		TOTAL I	ST. DEMAND CURRENT:		
ITCHE	N		-		0 VA	_	0.00%			VA VA	-		CAPACITY: SPARE CAPACITY:		







ELECTRICAL:
Distance Expressing & Creading
Distance Expressing the distance Expression
Listenach (10 90005
ARCHITECT:
Architecture Communication
ARCHITECT:
Architecture Deserved
Listenach Steed
Listenach St

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #: 210002 Scale: Drawn By: JR Designed By: ACRUSE Checked By: ACRUSE



NOTE:

EXISTING CONDITIONS ARE SHOWN WITH LIGHT HAVE UPDAYS ARE SHOWN WITH LIGHT HAVE UPDAYS ARE SHOWN WITH LIGHT HAVE UPDAYS ARE SHOWN WITH HEAVY LINE WEIGHT.

NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

NS CONDITIONS
RINGHED SCHEDULES

SCHEDULES

ED. 45

EO. 45

custo	MIZATIO	Branch Panel: LPHA MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AIC RATING: 10000 A DNS:					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X	'ye		1		NORMAL SPD: HROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 3R SUPPLY FROM:	i	
NOTES	CWT	LOAD DESCRIPTION	TRIP	POLES	_		_	R		r.	POLES	TDID	LOAD DESC	RIPTION CK	T NOTES
	1		_		580 VA	0 VA			_	Ť	1	20 A	SPARE	2	
3	3	FCU-08-001	15 A	2	009 111		580 VA	OVA			1	20 A	SPARE	- 4	+-
_	5		_	_			1111		1872 VA	0 VA	1	20 A	SPARE	8	-
10	7	FCU-2 & ACCU-2	25 A	2	1872 VA	0.VA	_		10.0		1	20 A	SPARE	8	+-
	9						965 VA	0 VA			1	20 A	SPARE	10	_
3	11	FCU-08-003	15 A	2					955 VA	0.VA	1	20 A	SPARE	12	_
-	13				955 VA	0 VA					1	20 A	SPARE	14	
3	15	FCU-08-005	15 A	2			965 VA	0 VA			1	20 A	SPARE	16	-
-	17								955 VA	0 VA	1	20 A	SPARE	18	-
3	19	FCU-08-007	15 A	2	955 VA	0 VA					1	20 A	SPARE	20	-
10	21	ROOF RECP	20 A	- 1			540 VA	0 VA			1	20 A	SPARE	22	-
	23	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	24	-
	25	SPARE	20 A	- 1	0 VA	-					1		SPACE	26	-
	27	SPARE	20 A	1			0 VA				1		SPACE	28	-
	29	SPARE	20 A	1					0 VA	-	1		SPACE	30	-
			TOTAL	L LOAD:	4360	2 VA	303	0 VA	378	2 VA			•		
			TOTAL	L AMPS:	37	A	21	i A	30	A.	-				
HTG - H EQP - E	CATED EATING QUIPME				RCPT - REC LTG - LIGHT (E) - EXISTI	TING NG LOAD				D DEMAND			WOTOR OTCHEN APPLIANCE		
LIGHTI		TUATION	-		O VA	-	O DOWN	TUR		VA.	-		PANEL	UIALS	
RECEP			_		40 VA	_	100.00%	_		VA DVA	_		TOTAL CONN. LOAD:	44474311	
MOTOR			_		1634 VA	_	108.80%	-		D VA	_		TOTAL EST. DEMAND:		
EQUIP			_		0 VA	_	0.00%	_		VA	_		TOTAL CONN. CURRENT:		
HEATIN			_		0 VA	_	0.00%	_		VA VA	-		EST. DEMAND CURRENT:		
KITCHE			-		0 VA	\rightarrow	0.00%	-		VA VA	-	TOTAL	CAPACITY:		
(E)			_		0 VA	_	0.00%			VA	_		SPARE CAPACITY:		

DITION	DEMOLISHED BUS RATING AIC RATING	E: SQUARE DI-LINE b: Electrical Upgrades b: None b: 400 A	G N	VOLTS: 120/20/ PHASES: 3 WIRES: 4 ROUND: X MIN CB: 400 A		DISTR.	HBOARD OR PANELBOARD SPD: FHROUGH LUGS: MOUNTING: ENCLOSURE: SUPPLY FROM:	NEMA-1
скт		LOAD DESCRIPTION		# OF POLES	FRAME SIZE	TRIP RATING	Load	REMARKS
1	L1BA	COND DESCRIPTION		3	225 A	150 A	0 VA	TEMPUTO
2	L188			3	225 A	150 A	0 VA	
3	ANNEX SPARE			3	225 A 225 A	100 A 100 A	0 VA	
5	SPARE			3	225 A	150 A	0 VA	
6	SPARE			3	225 A	225 A	0 VA	
7	L18C			3	225 A	225 A	0 VA	
8	SPACE	<u> </u>		3			-	
9	SPACE SPACE			3	-	-	-	
11	SPACE			3	-	-	-	
12	SPACE			3	-	-	-	
13	SPACE			3	-		-	
14	SPACE			3				
15	SPACE			3				
16	SPACE SPACE			3	-		-	
17	SPACE			3	-	-	-	
19	SPACE			3	-	-		
20	SPACE			3	-		-	
21	SPACE			3	-			
22	SPACE			3	-			
23	SPACE			3	-			
24	SPACE SPACE			3	-		-	
75	SPACE			3	-			
27	SPACE			3	-		-	
28	SPACE			3	-			
29	SPACE			3	-			
90 31	SPACE SPACE			3	-		-	
32	SPACE			3	-	-	-	
33	SPACE			3	-			
34								
5								
6		<u> </u>						
17				_			$\overline{}$	
8					_		_	
0								
	•				TOTA	L CONN. LOAD:	0 VA	
- EQL	IPMENT			RCPT - RECEP LTG - LIGHTING (E) - EXISTING) LOAD	TOTAL AMPS	MTR - MOTOR KTN - KITCHEN A	
	SSIFICATION	CONNECTED L	OAD DEM	IAND FACTOR	ESTIMATED D	EMAND	P.	ANEL TOTALS
TING		0 VA	-	0.00%	0 VA			
PTAC	LE	0 VA 0 VA	_	0.00%	0 VA		TOTAL CONN. I	
OR PMEN	r	0 VA 0 VA	-	0.00%	0 VA			IAND: 0 VA ONN.: 0 A
FING		0 VA	-	0.00%	0 VA	_	TOTAL EST. DEN	
HEN		0 VA	-	0.00%	0 VA			CITY: 313 A
TING I	.OAD	0 VA	\perp	0.00%	0 VA		SPARE CAPA	
S:								

custo	MIZATIO	Branch Panel: HPHA MANUFACTURER AND TYPE: SQUARE D N INSTALLED: Electrical Upg DEMOLISHED: None BUS RATING: 225 A AIC RATING: 35000 A					VOLTS: PHASES: WIRES: GROUND: MAIN CB:	4 X			1		NORMAL SPD: IROUGH LUGS: X MOUNTING: SURFACE ENCLOSURE: NEMA 3R SUPPLY FROM: D89		
OTES	CKT	LOAD DESCRIPTION	TRIP	POLES		Δ	_	R		r.	POLES	TRIP	LOAD DESC	RIPTION CK	T NOTES
_	1			1	2327 VA	3725 VA				Ī				2	_
3	3	CU-09-001	15 A	3			2327 VA	3725 VA			1 3	50 A	30Kva TRANSFORMER - L	PHA 4	3
	5	1		1					2327 VA	3725 VA	1	l		6	_
	7				2327 VA	943 VA								8	
3	9	CU-09-003	15 A	3			2327 VA	943 VA			3	15 A	FCU-08-006	10	3
	11	1							2327 VA	943 VA	1			12	1
	13				2936 VA						1		SPACE	14	
3	15	CU-09-005	15 A	3			2936 VA	-			1	-	SPACE	16	
	17	1		1					2936 VA		- 1		SPACE	18	
	19				5124 VA	-					1	-	SPACE	20	
3	21	CU-09-006	25 A	3			5124 VA				- 1		SPACE	22	
	23			1					5124 VA	-	1		SPACE	24	
	25				2936 VA	-				1 - SPACE	26				
3	27	CU-09-007	15 A	3			2935 VA				-1		SPACE	28	
	29			1					2936 VA	-	1	-	SPACE	30	
	31				2936 VA						-1		SPACE	32	
3	33	CU-09-004	25 A	3			2936 VA	-			1	-	SPACE	34	
	35	1		1					2936 VA	-	1	-	SPACE	36	
	37				830 VA						1		SPACE	38	
3	39	FCU-08-004	15 A	3			830 VA	-			1		SPACE	40	
	41	1		1			1		830 VA		1		SPACE	42	
			TOTA	L LOAD:	2408	4 VA	240	34 VA	2408	4 VA					
				L AMPS:	87	r A	8	7.A	87	A					
G - F	IGATED HEATING EQUIPME	ENT			RCPT - REC LTG - LIGHT (E) - EXISTI	TING NG LOAD						MTR - F KTN - K	ITCHEN APPLIANCE		
		FICATION			CTED LOAD		EMAND FAC	TOR		D DEMAND			PANEL 1	TOTALS	
3HTI			-		0 VA	\rightarrow	0.00%			VA	_				
	TACLE		_		0 VA	_	0.00%			VA			TOTAL CONN. LOAD:		
TOF			_		077 VA	_	106.29%			80 VA		_	TOTAL EST. DEMAND:		
	MENT		_		0 VA	\rightarrow	0.00%			VA	_		TOTAL CONN. CURRENT:		
ATIN			_		0 VA		0.00%		0			TOTAL E	ST. DEMAND CURRENT:		
TCHE	N		_		0 VA	_	0.00%			VA	_		CAPACITY:		
					0 VA		0.00%			VA.			SPARE CAPACITY:		

		Branch Panel: PH											NORMAL	POWER	
custo	MIZATIO	MANUFACTURER AND TYPE: SQUARE D INSTALLED: Electrical Uj DEMOLISHED: None BUS RATING: 225 A AIC RATING: 42000 A					VOLTS PHASES WIRES GROUND MAIN CB	4 X	Vya		,		SPD: HROUGH LUGS: X MOUNTING: SURFACI ENCLOSURE: NEMA 1 SUPPLY FROM: DB9	E	
NOTES	CKT	LOAD DESCRIPTION	трір	POLES		Α	_	R	_	c	POLES	TRIP	LOAD DESC	CRIPTION CK	т Іноте
	1	UNIT HEATER	20 A	1	0 VA	O VA		ĭ		Ť	1		SPARE	2	
-	- 3	ELEVATOR RM LIGHTS	20 A	1			0.VA	DVA			1		SPARE	4	
-		PENTHOUSE LIGHTS	20 A	1					0 VA	0 VA	1		SPARE	6	
	7	SPARE	20 A	1	0 VA	0 VA					1		SPARE	8	
	9	TEST WIRE	20 A	1			0 VA	0 VA			- 1	20 A	SPARE	10	2
	11		-						0 VA	-	1	-	SPACE	12	2
	13	AIR COMPRESSOR	20 A	3	0 VA						- 1		SPACE	14	1
	15	1		1			0 VA	-			1	-	SPACE	16	3
	17								0 VA	0 VA				18	3
	19	CHILLER OIL PUMP #2	15 A	3	0 VA	0 VA					3	20 A	CHILLER OIL PUMP #1	20)
	21	1					0 VA	0 VA			1			2	2
	23	SPACE		1							1		SPACE	24	1
	25	SPACE	-	1	-						1	-	SPACE	26	3
	27	SPACE		1			-	-			1		SPACE	26	3
	29	SPACE	-	1					-	-	1	-	SPACE	30)
			TOTA	L LOAD:	0	VA	- 0	VA	0	VA.					
			TOTA	L AMPS:		I.A.		A	0	A	-				
TG - H QP - E	CATED EATING QUIPMI	ENT			RCPT - RE- LTG - LIGH (E) - EXIST	TING ING LOAD	-					MTR - F KTN - R	OTCHEN APPLIANCE		
		FICATION	_	CONNECTED LOAD			DEMAND FA	CTOR		ESTIMATED DEMAND			PANEL	TOTALS	
IGHTIN			_		0 VA	_	0.00%			VA VA	_				
RECEP			_			_	0.00%				_		TOTAL CONN. LOAD:		
MOTOR EQUIPN			_		0 VA	_	0.00%			VA	_	_	TOTAL EST. DEMAND:		
EATIN			_		0 VA	_	0.00%			VA	-		TOTAL CONN. CURRENT: EST. DEMAND CURRENT:		
ITCHE			_		0 VA	_	0.00%			VA VA	_	I O I AL I	CAPACITY:		
E)	N		_		0 VA	_	0.00%			VA	_		SPARE CAPACITY:		





1	ELECTRICAL: Shafter - Baucon Engineering & Consulting 1500 S. Wadeworth Blvd. Salte 600 Lishwood, CO 90236 300-389-6000
	ARCHITECT: Architectural Workshop 2 Kalumath Shwat Denver, CO 80223 305-785-1717

SBEC Project #:	210032
Scale:	
Drawn By:	18
Designed By:	JRWOR
Checked By:	ACRUE

Issued For: 100% CONSTRUCTION	Date:

NOTE:
EXISTING CONDITIONS ARE SHOWN WITH LIGHT
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TO CURRENT PERS.

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INFERE RAUCOM ENGINEERING
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	ESIGNATION: DBH4					PANELBUARD	NORMAL	. POWER
	MANUFACTURER AND TYPE: SQUARE D		VOLTS: 480/277	Wye		SPD:		
	INSTALLED: Electrical Up	grades	PHASES: 3		FEED	THROUGH LUGS:		_
	DEMOLISHED: None BUS RATING: 400 A		WIRES: 4 GROUND: X			MOUNTING: ENCLOSURE:		Ε
	AIC RATING: 400 A		MAIN CB:			SUPPLY FROM:	NEMA 1	
	AIC HATING: 35000 A		MAIN CB:			SUPPLY FROM:		
	AL LOADS AND OTHER REQUIREMENTS CATIONS:	MAY BE SHOWN ON THE A	SSOCIATED ONE-LINE I	DIAGRAM.				
СКТ	LOAD DESC	RIPTION	# OF POLES	FRAME SIZE	TRIP RATING	Load		REMARKS
1	H4		3	400 A	400 A	OVA L	SIG	
2	T-L4C		3	400 A	45 A	0 VA		
3	T-4D		3	125 A	110 A		SI	
4	SPACE		1	-	-	-		
5	SPACE		- 1	-	-			
6	SPACE		1	-	-			
7	SPACE		1	-	-			
8	SPACE		1	-				
9	SPACE SPACE		1		-			
			- 1	-	-	-		
11	SPACE		1	-	-	-		
13	SPACE		-	-	-	-		
14	SPACE		1	-	-			
15	SPACE		- i	-	-			
16	SPACE		1	-	-	-		
17	SPACE		- 1	-	-	-		
18	SPACE		1	-	-			
19	SPACE		- 1	-	-			
20	SPACE		1	-	-	-		
				TOTA	L CONN. LOAD			
EGEND:					TOTAL AMP	0 A		
-" INDICA ITG - HEA IQP - EQ	JPMENT		RCPT - RECEP LTG - LIGHTING (E) - EXISTING	LOAD		MTR - MOTOR KTN - KITCHEN A		
	SSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED D	EMAND	Р	ANEL TO	TALS
GHTING		0 VA	0.00%	0 VA				
ECEPTA	OLE	0 VA	0.00%	0 VA	_	TOTAL CONN. I		
OTOR	-	0 VA	0.00%	0 VA	_	TOTAL EST. DER		
DUIPMEI EATING	0	0 VA	0.00%	AV 0	_	TOTAL C		
		0 VA	0.00%	0 VA	_		CITY: 40	
		0 VA	0.00%	0 VA	_	SPARE CAPA		
XISTING								

	DESIGNATION:	DB1A					CHBOARD OR R. PANELBOARD	NORM	IAL POWER
,	ANUFACTURER AND TYPE:	SQUARE DI-LINE		VOLTS: 120/20	8 Wye		SPD	e	
	INSTALLED:	Electrical Upgrades		PHASES: 3		FEE	D-THROUGH LUGS	ė.	
	DEMOLISHED:			WIRES: 4			MOUNTING		ACE
	BUS RATING:	600 A		GROUND: X			ENCLOSURE	: NEMA	.1
	AIC RATING:			MAIN CB: 500 A			SUPPLY FROM		
	AL LOADS AND OTHER REQU PATIONS:	JIREMENTS MAY BE SHOWN ON THI	ASSOCI	ATED ONE-LINE	DIAGRAM.				
CKT		LOAD DESCRIPTION		# OF POLES	FRAME SIZE	TRIP RATIN	G Load		REMARKS
- 1	LP1-1			3	400 A	20 A	0 VA		
2	L1A			3	400 A	20 A	0 VA		
3	SPACE			1			-		
- 4	SPACE			1		-	-		
- 5	SPACE			1					
6	SPACE			1			-		
7	SPACE			1			-		
8	SPACE			1			-		
9	SPACE	·		1			-		
10	SPACE			1			-		
11	SPACE			1	-	-	-		
12	SPACE			1		**	-		
13	SPACE	<u> </u>		1	-	-	-		
14	SPACE			1			-		
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19	SPACE			1			-		
20	SPACE			1				_	
					TOTA	L CONN. LOA			
TG - HEA	JIPMENT			RCPT - RECEP LTG - LIGHTIN (E) - EXISTING	3 LOAD		MTR - MOTOR KTN - KITCHEN		
	SSIFICATION	CONNECTED LOA	DEI	MAND FACTOR	ESTIMATED DE	EMAND		PANEL 1	TOTALS
IGHTING		0 VA	+	0.00%	0 VA				
ECEPTA	J.L.E.	0 VA	+	0.00%	0 VA		TOTAL CONN.		
OTOR QUIPMEN		0 VA	-	0.00%	0 VA	_	TOTAL EST. DE		
QUIPME! EATING	NI .	0 VA	+	0.00%	0 VA		TOTAL		
			-			_	TOTAL EST. DE	ACITY:	
ITCHEN	LOVE	0 VA 0 VA	+	0.00%	0 VA		SPARE CAP		
XISTING									

	DESIGNATION: DE MANUFACTURER AND TYPE: SQUA INSTALLED: Block DEMOLISHED: None BUS RATING: 600 A AIC RATING: 10000 MAL LOADS AND OTHER REQUIREM	ARE DI-LINE ical Upgrades DA	VOLTS: 120/20 PHASES: 3 WIRES: 4 GROUND: X MAIN CB: 500 A			PANELBOARD SPD: THROUGH LUGS MOUNTING ENCLOSURE SUPPLY FROM	SURF.	
USTOMI	IZATIONS:				ı			
CKT		DESCRIPTION	# OF POLES		TRIP RATING	Load		REMARKS
- 1	L481		3	400 A	200 A	0 VA		
2	L482		3	400 A	100 A	0 VA		
3	L48		3	400 A	200 A	0 VA		
4	L4A		3	400 A	20 A	0 VA		
5	L38	-	3	400 A	20 A	0 VA		
6	L3A	<u> </u>	3	400 A	200 A	0 VA		
7	L28		3	400 A	20 A	0 VA		
- 8	L2A		3	400 A	200 A	0 VA		
9	SPACE		1			-		
10	SPACE		1	-		-		
11	SPACE		1		**			
12	SPACE		1	-		-		
13	SPACE		1					
14	SPACE		1	-	-	-		
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16	SPACE		1					
17	SPACE		1			-		
18	SPACE		1					
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20	SPACE		1					
				TOTA	L CONN. LOAD:	0 VA		
					TOTAL AMPS	0 A		
TG - HEA	ATED FULLY BUSSED SPACE TO BE	PROVIDED	RCPT - RECE LTG - LIGHTIN (E) - EXISTING	AG .		MTR - MOTOR KTN - KITCHEN	NPPLIAI	NCE
	ASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED D	EMAND		ANEL	TOTALS
GHTING		0 VA	0.00%	0 VA				
	CLE	0 VA	0.00%	0 VA		TOTAL CONN.		
OTOR	· ·	0 VA	0.00%	0 VA		TOTAL EST. DE		
QUPME		0 VA	0.00%	0 VA		TOTAL		
EATING		0 VA	0.00%	0 VA		TOTAL EST. DE		
TCHEN		0 VA	0.00%	0 VA			ACITY:	
	LOAD	D.VA	0.00%	0 VA		SPARE CAP	ACITY:	

NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.





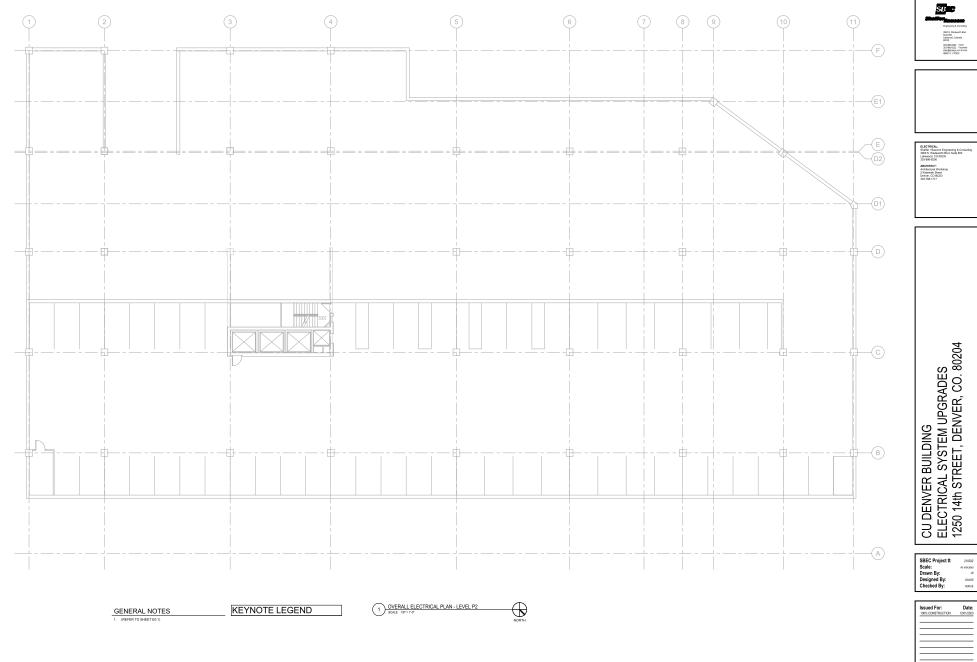
BLECTRICAL: Shafter - Basconi Engineering & Consulting 3500 S. Washworth Blvd. Suite 600 Lakewood, CD 80236 300-989-9200
ARCHITECT: Architectural Workshop 2 Kalamath Stenet Dennet, CO 80223 SIS-785-1717

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

Issued For:	Date:
Checked By:	ACRU
Designed By:	JRWOR
Drawn By:	
Scale:	
SBEC Project #:	210032

Issued For: 100% CONSTRUCTION	Date:
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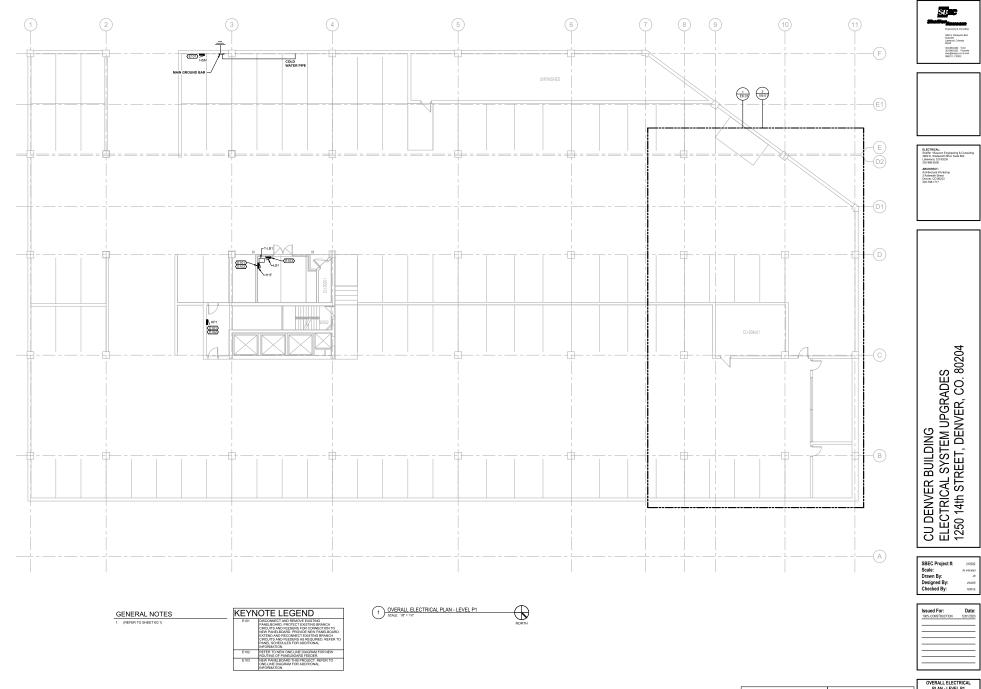
NOTE: EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT. E0.47





EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT.

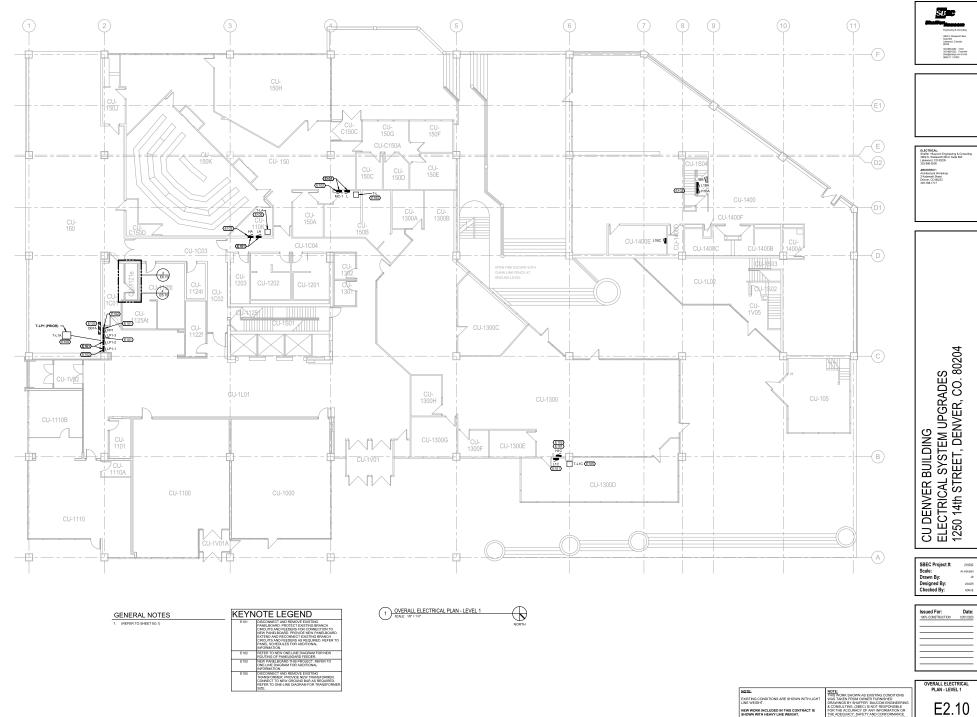
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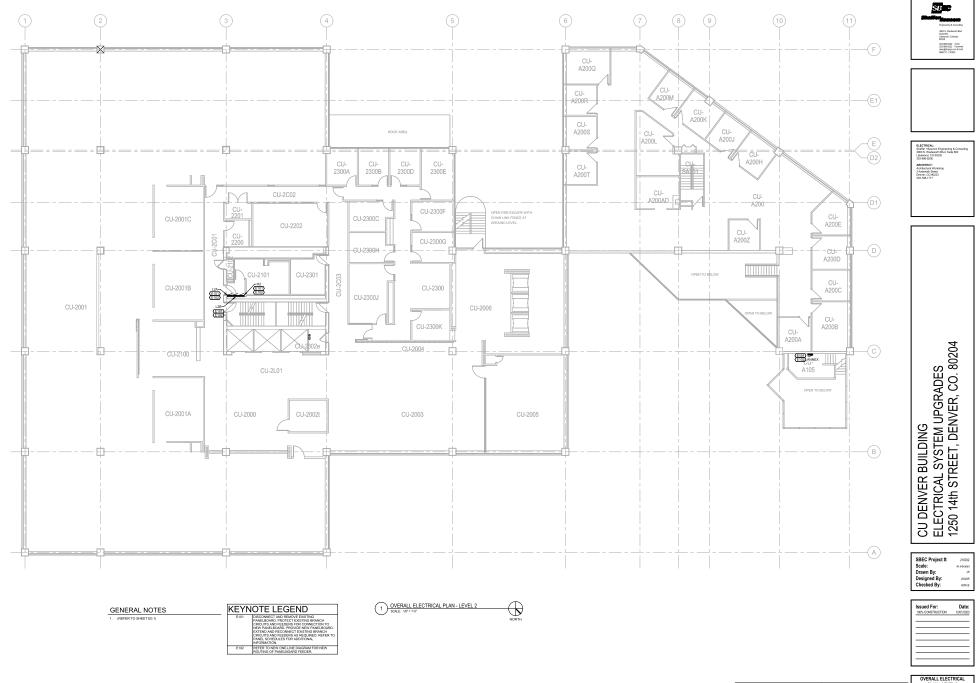
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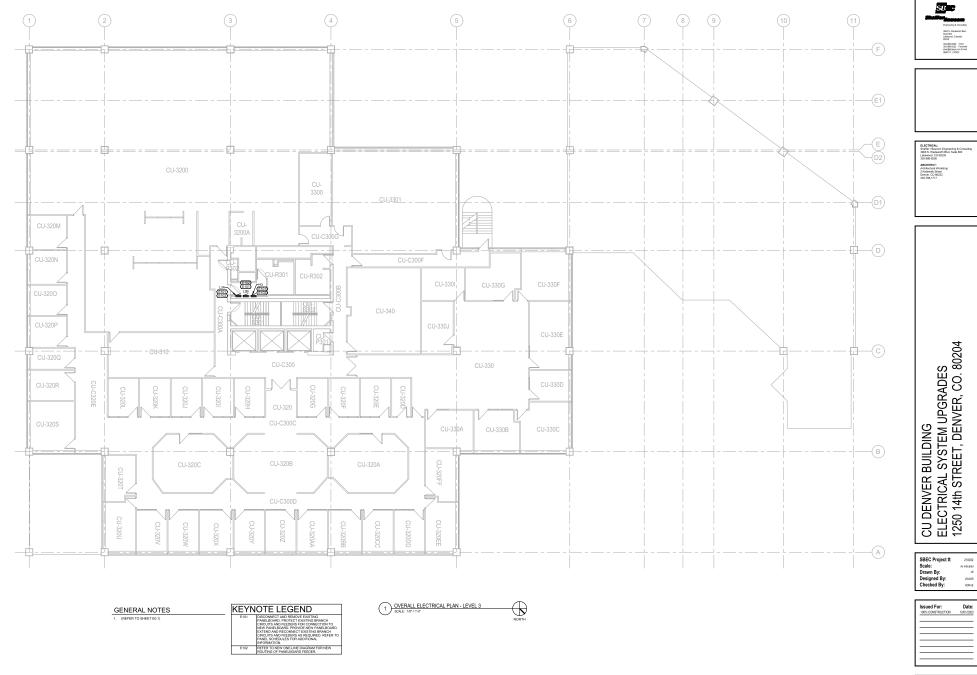
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overall electrical plan-level 2

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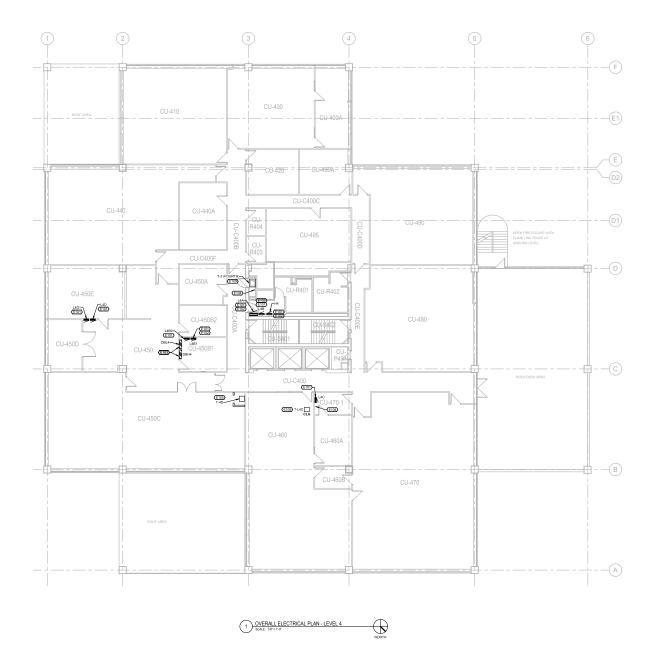
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GENERAL NOTES

IREFER TO SHEET E0.1)









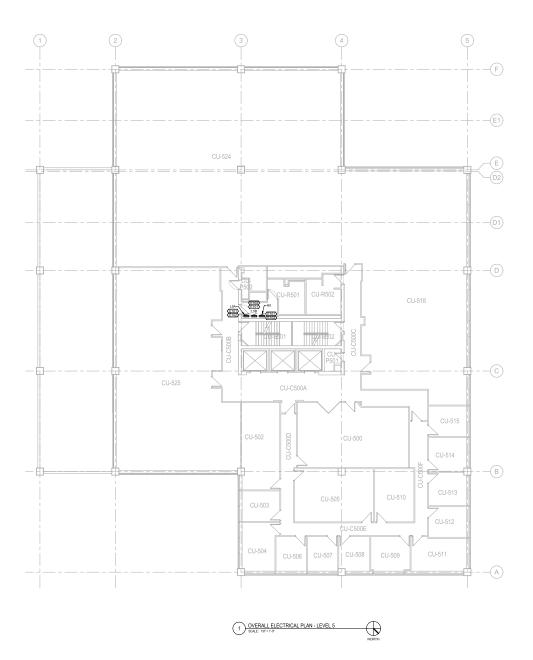
CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #:	210032
Scale:	As indicated
Drawn By:	
Designed By:	JRWOR
Checked By:	ACRUE

Issued For:	Date:
1000 CONSTRUCTION	120112023

NOTE:
EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT.
NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

NOTE:
THES WIRK SHOWN AS EXISTING CONDITIONS
WAS TAKEN FROM OWNER FURNISHED
DRAWNINGS BY SHAFFER BAUCOM ENGINEERING.
S CONSULTING, (SBEC) IS NOT RESPONSIBLE
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TO CURRENT PREVAILING CODES OF ANY WORK
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GENERAL NOTES

1. (REFER TO SHEET EO.1)

KEYNOTE LEGEND

FIDE DISCONNICE AND REMOVE EXETING PARKELIDANE
FOR CONNECTION TO NEW PARKELIDANE
FOR CONNECTION TO NEW PARKELIDANE
NEW PARKELIDANE PRODUCE
NEW PARKELIDANE PRODUCE
REQUIRED REPRET TO PARKELIDANE FOR
ADDITIONAL REPORMATION
FOR REPRET TO NEW LINE SOCIEDALE FOR
ADDITIONAL REPORMATION
FOR REPRET TO NEW DISCONNICE FOR NEW
RECOVERY OF PARKELIDANE FOR FEELER.





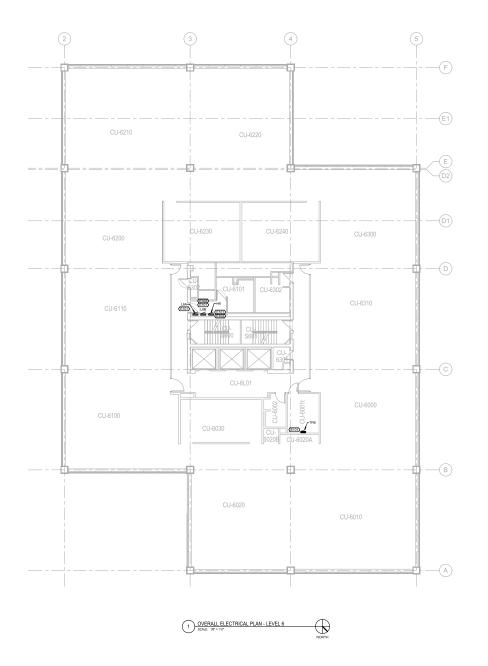


CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204



Issued For: 100% CONSTRUCTION	Date:
100/s CONSTRUCTION	120112023

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GENERAL NOTES

1. (REFER TO SHEET E0.1)

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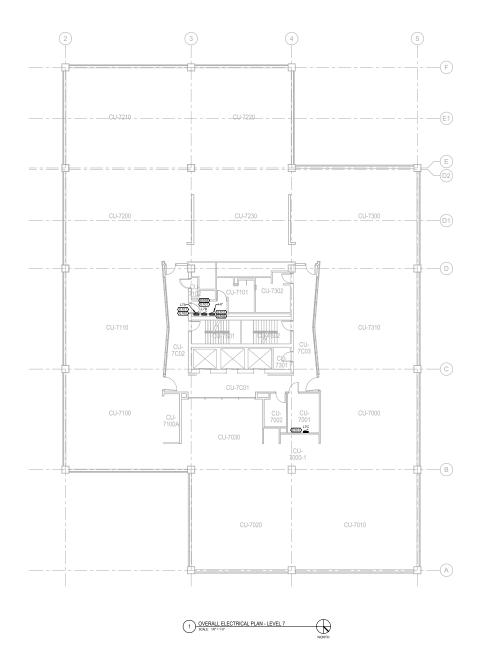


CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204



Date:

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GENERAL NOTES

1. (REFER TO SHEET EO.1)

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RECOVERY OF PARKELIDANE FOR FEELER.





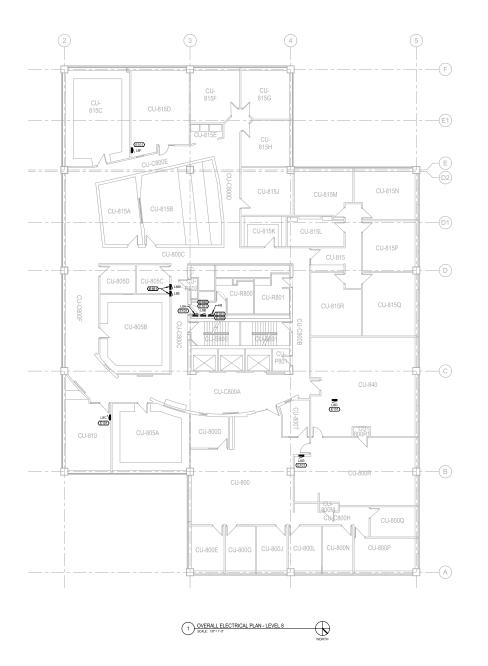


CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204



Issued For: 100% CONSTRUCTION	Date:
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EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT.



GENERAL NOTES

(REFER TO SHEET E0.1)

KEYNOTE LEGEND

E101 DISCONNECT AND REMOVE ENSTRING PANELBO FROTECT EXISTING BRANCH CRECUITS AND FEE FOR CONNECTION TO REV PANELBOARD, PROVINE NEW PANELBOARD, EXTEND AND RECONNECT EXISTING BRANCH CRICITS AND FEED REMOVE ADDITIONAL INFORMATION.

E102 REFER TO NEW ORLESS BRANCH FOR NEW REFER TO NEW ORLESS BRANCH FOR THE







CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

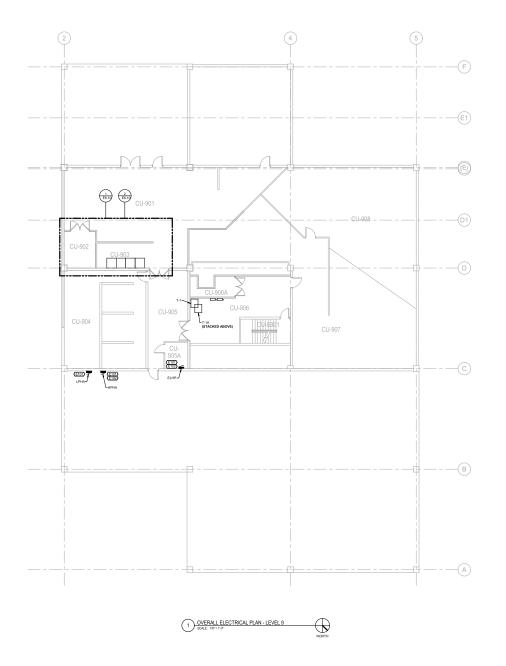


Issued For: 100% CONSTRUCTION	Date:

NOTE:
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NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

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GENERAL NOTES

1. (REFER TO SHEET E0.1)

KEYNOTE LEGEND

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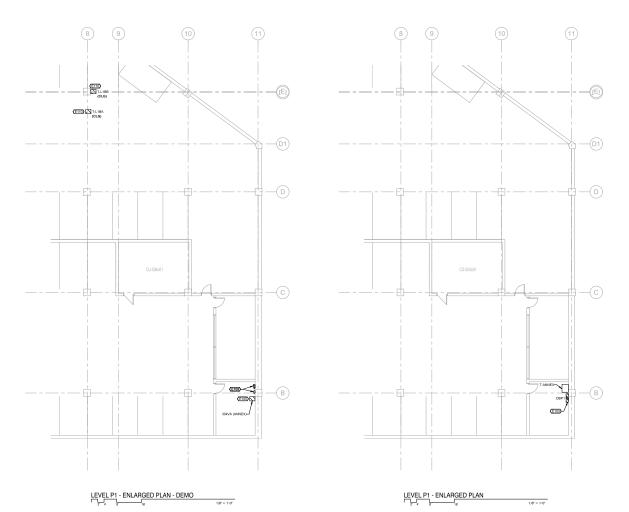
BLECTRICAL: Shafter - Baycon Engineering & Consulting 3500 5: Wadework Brvd, Suite 500 Laterwood, CO 80236 303-985-6200
ARCHITECT: Architectusi Workshop Zikainrash Street Denier, CO 99223 S00-789-1717

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204



Issued For: 100% CONSTRUCTION	Date:
1000 CONSTRUCTION	120112023

NOTE:
EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT.



GENERAL NOTES

1. (REFER TO SHEET E0.1)

KEYI	NOTE LEGEND
E103	NEW PANELBOARD THIS PROJECT, REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
E105	DISCONNECT AND REMOVE EXISTING TRANSFORMER, PROVIDE NEW TRANSFORMER, CONNECT TO NEW GROUND BAR AS REQUIRED, REFER TO ONE-LINE DIAGRAM FOR TRANSFORMER SIZE.
E109	DISCONNECT AND REMOVE EXISTING DISCONNECT SWITCHES ALONG WITH ASSOCIATED CONDUIT AND WIRE BACK TO POINT OF ORIGIN.
E110	DISCONNECT AND REMOVE EXISTING TRANSFORMER ALONG WITH ASSOCIATED CONDUIT AND WIRE BACK TO POINT OF ORIGIN.





Shaffer • Bauco 3500 S. Wedew Lakewood, CO 303-995-6200	orth Blvd. S	ing & Consulti uite 600
ARCHITECT: Architectural W 2 Kalamath Str Denver, CO 90: 505-788-1717	et .	

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #: 210032 Scale: As indicated Drawn By: Aufter Designed By: Oberigner Checked By: Checker

Issued For:	Date:
100% CONSTRUCTION	12/01/2023

NOTE:

EXISTING CONDITIONS ARE SHOWN WITH LIGHT UNE WEIGHT.

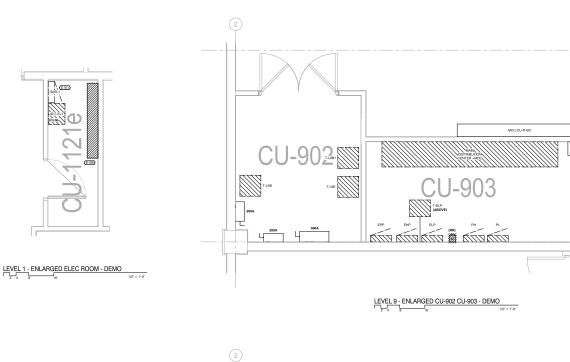
NEW WORK INCLUDED IN THIS CONTRACT IS SHOWN WITH HEAVY LINE WEIGHT.

TH

NOTE:
THIS WORK SHOWN AS EXISTING CONDITIONS
WAS TAKEN FROM OWNER FURNISHED
DRAWINGS BY SHAFFER BAUCOM ENVINEERING
A CONSULTING, (SREC) IS NOT RESPONSIBLE
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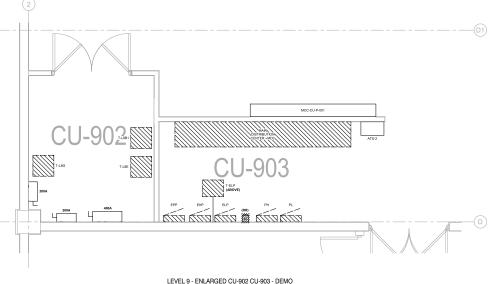
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E6.01



E1013

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3500 S	Baucom Engineering & Consulting Wadaworth Blvd. Suite 600 od. CO 80236
2 Kalor	tural Workshop nath Street , CO 80223

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

SBEC Project #:	210032
Scale:	As indicated
Drawn Bv:	18
Designed By:	JRWOR
Checked By:	ACRUE

Issued For: 100% CONSTRUCTION	Date:

GENERAL NOTES

KEYNOTE LEGEND

E102

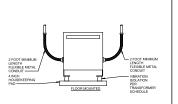
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CU-903

LEVEL 9 - ENLARGED CU-902 CU-903

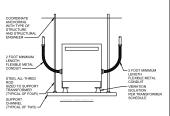


FLOOR MOUNTED TRANSFORMER DETAIL

GENERAL NOTES

CONDUIT EXPANSION JOINT CROSSING DETAIL- EXPANSION FITTING

INSTALLATION IS APPLICABLE TO CONDUITS ACROSS A BUILDING EXPANSION JOINT AND WHERE REQUIRED TO ACCOMMODATE THERMAL EXPANSION.



SUSPENDED TRANSFORMER DETAIL

[DISTRIBUTION EQUIPMENT DESIGNATION] 318 TELECTRICAL SYSTEM] BRANCH

[1600] AMPERES, [3] PHASE, [4] WIRE FED FROM [EQUIPMENT DESIGNATION]

[85,000] A.LC.
CALCULATED AVAILABLE SHORT CIRCUIT CURRENT [46,000] AMPERES
DATE OF CALCULATION (01,001,001,001,001)

FEEDER: 15 SETS OF 46400, 164/0 GROUND IN 3-1/2 INCH CONDUIT

NOTES:

1. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE

- 2. APPLIES TO SWITCHBOARDS, PANELBOARDS AND BUSWAYS.
- DEPENDING ON BUILDING TYPE AND ELECTRICAL SYSTEM CONFIGURATION, INSERT THE APPROPRIATE ELECTRICAL SYSTEM FROM THE FOLLOWING POSSIBLE BRANCHES: NORMAL, EQUIPMENT, CRITICAL, LIFE SAFETY, EMERCIENCY, LEGALLY REQUIRED, STANDBY

NOTES:

1. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE.

DISTRIBUTION EQUIPMENT NAMEPLATE DETAIL

ORANGE BACKGROUND WITH BLACK TEXT FOR TITLE. YELLOW BACKGROUND WITH BLACK TEXT FOR GRAPHIC SYMBOLS, REST WHITE BACKGROUND WITH RED TEXT FOR BRACKETED INFORMATION (EXCEPT THE BOTTOM RECTANGLE) AND BLACK FOR STATIC INFORMATION.

△WARNING

QUALIFIED WORKERS ONLY

[ATS DESIGNATION] 38 TELECTRICAL SYSTEM] BRANCH

DATE OF CALCULATION: [01/01/2018]

FEEDER: [4630, 186 GROUND IN 2-1/2 INCH CONDUIT] INSULATION TYPE[THWN] CONDUCTOR MATERIAL[COPPER NORMAL SOURCE: [EQUIPMENT DESIGNATION] ALTERNATE SOURCE: IEQUIPMENT DESIGNATION!

NOTES:
1. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE.

ATS NAMEPLATE DETAIL

NOTES: 1. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE

- 2. WHITE LETTERS ON BLACK BACKGROUND FOR NORMAL POWER EQUIPMENT
- 3. WHITE LETTERS ON RED BACKGROUND FOR EMERGENCY POWER EQUIPMENT
- 4. WHITE LETTERS ON BLUE BACKGROUND FOR UPS POWER EQUIPMENT.

PANELBOARD [UH1A1C] DISTRIBUTION BRANCH[UPS]

FED FROMIDISTRIBUTION BOARD UH1A1C IN ROOM # OR DESIGNATION [14,000]A.I.C.
CALCULATED AVAILABLE SHORT CIRCUIT CURREN[12,800] AMPERES
DATE OF CALCULATION 01/2011 1480Y/2771 VOLTS

FEEDER: [483/0, 186 GROUND IN 2-1/2 INCH CONDUIT] INSULATION TY[THWN] CONDUCTOR MATERIAL/COPPER

COLOR CODING OF CONDUCTORS: PHASE A (BLACK) PHASE B (RED) PHASE C (BLUE)

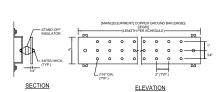
OVERCURRENT RATING/100AL/FRS-RJ

(CIRCUIT BREAKER SETTINGS:)

LOCATED IN ROOM [# OR NAME]

NAMEPLATE DETAIL - PANELBOARDS

[PANELBOARD DESIGNATION]



WITH TWO-HOLE LONG BARREL COMPRESSION CONNECTORS WITH INSPECTION HOLES

COPPER GROUND BAR SCHEDULE			
TAG	LENGTH	MOUNTING HEIGHT	
MGB	24"	24" A.F.F.	
EGB	24"	24" A.F.F.	

GROUND BAR DETAIL



REMOVE SHARP EDGES AND BURS AFTER

R SCHEDULE
NTING HEIGHT
24" A.F.F.
24" A.F.F.
ECIALTY CONTRACTOR

ARC FLASH AND SHOCK HAZARD APPROPRIATE PPE REQUIRED

WARNING: CHANGES IN ELECTRICAL DISTRIBUTION EQUIPMENT SETTINGS OR SYSTEM CONFIGURATION OR INCORRECT INFORMATION PROVIDED BY OTHERS WILL INVALIDATE THE CALCULATED VALUES AND PPE REQUIREMENTS.

Equipment: {{[XXXXX] 1/4"

DE RICHES | LASAN MAAND BOUNDAY

DA RICHES | RESTRICTED APPROACH

DA RICHES | RESTRICTED APPROACH

Fed From: [MDB] Overcurren[400A Circuit Breaker] 141

INSTALLED LOCATION LOGO

PREPARED BY: [XXXXX]
PROJECT #: [XXXXX]

ARC FLASH AND SHOCK WARNING SIGN DETAIL

‰‡[STANDBY] GENERATOR

[1000kW/1250kVA] SITE RATING [480Y/277] VOLTS [1800] AMPERES, [3] PHASE, [4] WIRE [0,8] POWER FACTOR

[14,000] AVAILABLE SHORT CIRCUIT CURRENT

NEUTRAL: [BONDED TO GROUND] [ISOLATED FROM GROUND] FEEDER: [5 SETS OF 48400, 184/0 GROUND IN 3-1/2 INCH CONDUIT]

. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE

GENERATOR NAMEPLATE DETAIL

OTES: MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE.

 APPLIES TO CIRCUIT BREAKERS AND FUSED SWITCHES WITHIN SWITCHBOARDS AND DISTRIBUTION PANELBOARDS, AND TO BUSWAY PLUG-IN UNITS. MOUNT ON EQUIPMENT NEXT TO ASSOCIATED LOAD OVERCURRENT DEVICE

DISTRIBUTION DEVICE NAMEPLATE DETAIL

** [EQUIPMENT DESIGNATION]

38 TELECTRICAL SYSTEM] BRANCH

[CRGUIT NUMBER] [10,000] A.I.C. CALCULATED AVAILABLE SHORT CIRCUIT CURRENT [4,000] AMPERES DATE OF CALCULATION[01/01/2018]

NOTES:

1. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE.

APPLIES TO EQUIPMENT DISCONNECT SWITCHES, FUSED DISCONNECTS AND ENCLOSED CIRCUIT BREAKERS.

DEPENDING ON BUILDING TYPE AND ELECTRICAL SYSTEM CONFIGURATION, INSERT THE APPROPRIATE (ELECTRICAL SYSTEM) FROM THE FOLLOWING POSSIBLE BRANCHES:

EQUIPMENT NAMEPLATE DETAIL

1/2 TRANSFORMER DESIGNATION]

38 TELECTRICAL SYSTEM BRANCH

FED FROM IEQUIPMENT DESIGNATION

FEEDER IN: (3#2/0, 1#6 GROUND IN 2 INCH CONDUIT)

FEEDER OUT: [2 SETS OF 443/0, 142 BONDING JUMPER IN 2-1/2 INCH CONDUIT] GROUNDING ELECTRODE CONDUCTOR:[1/0]

NOTES:

1. MINIMUM TEXT HEIGHT 1/8 INCH, UNLESS NOTED OTHERWISE.

TRANSFORMER NAMEPLATE DETAIL

CU DENVER BUILDING ELECTRICAL SYSTEM UPGRADES 1250 14th STREET, DENVER, CO. 80204

 $SB \in$

ELECTRICAL: Shaffer - Bascore Engineering & Cons 3000 S. Wadaworth Stvd. Suite 600 Lahtwood, CO 90026 303-985-6000

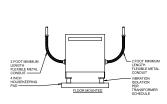
383-885-8290 Vrice 383-885-8222 Faculation design design cons E-mail 396-CB 210832

SBEC Project #:	210032
Scale:	58" = 150"
Drawn By:	JR.
Designed By:	JRWOR
Checked By:	ACRUE

Issued For: 100% CONSTRUCTION	Date:
100% CONSTRUCTION	120112023

EXISTING CONDITIONS ARE SHOWN WITH LIGHT LINE WEIGHT.

ELECTRICAL DETAILS E7.00



NOTE:
1. TERMINATE GROUNDING CONDUCTORS

			_
COPPER GROUND BAR SCHEDULE			
TAO	LEWOTH	MOUNTING DESCUT	



