POWER & SIGNAL GENERAL NOTES

- 1. VERIFY EXACT LOCATIONS OF HVAC EQUIPMENT, CONDUIT STUB-UPS, AND POWER CONNECTIONS PRIOR TO ROUGH-IN. ALL NEW HVAC EQUIPMENT SHALL BE PROVIDED WITH A FACTORY INSTALLED AND WIRED DISCONNECT SWITCH
- 2. VERIFY EXACT LOCATION, MOUNTING HEIGHTS, AND CONDUIT ROUTING FOR ALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, AND CO2 SENSORS WITH TEMPERATURE CONTROLS CONTRACTOR PRIOR TO ROUGH-IN.
- 3. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. COORDINATE PROVISIONS FOR ALL CONTROL CONDUIT AND WIRING AS REQUIRED FOR INTERLOCKING OF FANS, MOTORS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 4. ALL DEVICES INSTALLED ON HVAC EQUIPMENT SHALL BE MOUNTED ON A NON-REMOVABLE PANEL OF THE EQUIPMENT. COORDINATE LOCATION WITH THE MECHANICAL AND/OR PLUMBING CONTRACTOR PRIOR TO COMMENCING ROUGH-IN WORK.
- 5. ALL CONDUITS ON WALL OR COLUMNS SHALL RUN TO ROOF DECK.
- 6. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS OF POWER CONDUIT AT REPAIR COUNTER BEFORE BIDDING AND PROVIDING NEW CONDUIT AND WIRE. CONNECT TO EXISTING CIRCUITS. CONTRACTOR TO STUB-UP (1) 1" CONDUIT AND (1)2" CONDUIT(1" FOR POWER, 2" FOR PHONE/DATA) TO ACCESSIBLE CEILING SPACE OR ROOF
- 7. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75 FEET SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF ONE CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
- 8. REFER TO ARCHITECTURAL ELEVATIONS FOR DIMENSIONS OF OUTLET LOCATIONS. DO NOT SCALE OFF DRAWINGS.

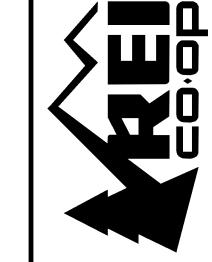
10. ALL INTRUSION DEVICES AND CCTV DEVICES REQUIRE BACK-BOX AND 1/2" CONDUIT WITH PULL STRING, TAGGED WITH

- 9. ALL PHONE JACKS IN RETAIL SPACE SHALL BE MOUNTED SUCH THAT THEY ARE CENTERED BETWEEN THE DISPLAY PANELS AND NOT IN A SPACE THAT IS SMALLER THAN 12". ALL PHONES AT STRUCTURAL COLUMNS SHALL BE MOUNTED IN A SINGLE-GANG BACK-BOX.
- SOURCE AND DESTINATION BACK TO TDP CLOSET. AT WALL LOCATIONS, STUB CONDUIT INTO ACCESSIBLE CEILING SPACE OR TOP OF WALL. IN RETAIL CEILING AREA, BURGLAR ALARM CONTRACTOR TO RUN WIRING TIGHT TO STRUCTURE. NO CONDUIT NEEDED. VERIFY EXACT DEVICES AND LOCATIONS WITH BURGLAR ALARM CONTRACTOR. KEYPAD, INTERCOM, AND INTERCOM SHROUD ARE INSTALLED BY OWNER. 11. TELEPHONE AND DATA OUTLETS: PROVIDE BACKBOX AND CONDUIT WITH PULL CORD TAGGED WITH SOURCE AND
- DESTINATION, STUBBED UP TO ACCESSIBLE CEILING SPACE. CONDUIT IN WALLS OR ON COLUMNS SHALL BE 1" UNLESS OTHERWISE NOTED. CONDUIT IN SLAB SHALL BE 1" UNLESS OTHERWISE NOTED. REFER TO OWNER DIAGRAMS FOR LOCATIONS OF TERMINALS AND CONDUIT INSIDE OWNER SUPPLIED COUNTERS. CONDUITS AT PARTIAL HEIGHT WALLS SHALL BE ROUTED VIA THE NEAREST FULL HEIGHT WALL.
- 12. ALL CONDUIT STUBS FOR LOW-VOLTAGE CABLING SHALL HAVE PLASTIC BUSHINGS ON ENDS OF CONDUIT.
- 13. NEW RECEPTACLES AND TELE/DATA OUTLETS MOUNTED ON COLUMNS IN RETAIL AREA SHALL BE LOCATED ON THE SIDE OF COLUMNS THAT IS FACING AWAY FROM FRONT ENTRANCE.

POWER & SIGNAL KEY NOTES

- (1) EC TO PROVIDE IN-SLAB CONDUIT RUN FOR EAS PEDESTALS. EC SHALL TRENCH FLOOR FOR CONDUIT RUN TO EAS PEDESTALS AND SHALL ROUTE CONDUIT FROM EAS PANEL TO EAS PEDESTAL LOCATIONS, AND STUB CONDUIT UP 6" AFF FOR PEDESTALS. EC SHALL PROVIDE 3/4" CONDUIT TO EAS PEDESTALS.
- $\langle \overline{2} \rangle$ LOCATION IS SHOWN FOR REFERENCE ONLY. EAS PANEL AND DUPLEX RECEPTACLE SHALL BE SURFACE MOUNTED NEAR MAIN ENTRANCE. FIELD COORDINATE FINAL LOCATION.
- (3) PROVIDE 120V POWER FOR DOOR OPERATOR. COORDINATE EXACT REQUIREMENTS WITH SUPPLIER.
- PROVIDE PUSHBUTTON FOR HANDICAP DOOR ACCESS. COORDINATE EXACT REQUIREMENTS WITH DOOR SHOP DRAWINGS, VERIFY LOCATION OF DEVICES, MOUNTING AND REQUIREMENTS PRIOR TO CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- (5) VERIFY LOCATION WITH SECURITY VENDOR. REFER TO GENERAL NOTE 10 THIS SHEET.
- 6 BURGLAR KEYPAD AT +48"AFF TO HIGHEST OPERABLE PART. PROVIDE 1/2" CONDUIT FROM DECK TO 48" AT INSIDE
- (7) RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH
- (8) COORDINATE EXACT LOCATION OF RETAIL COUNTER CONDUIT STUB-UP WITH ARCHITECTURAL SHEETS.
- (9) EXISTING (1) 1" CONDUIT FOR POWER AND (1) 2" CONDUIT FOR TELE/DATA FROM STUB-UP LOCATION TO NEAREST EXTERIOR WALL. E.C. SHALL PROVIDE HOMERUN AND MAKE FINAL CONNECTION TO PANEL. E.C. SHALL PROVIDE JUNCTION BOX IN CASEWORK FOR POWER TO RECEPTACLES. COORDINATE LOCATION OF JUNCTION BOX AND CONNECTION TO RECEPTACLES WITH CASEWORK VENDOR.
- (10) PROVIDE 1/2" CONDUIT WITH CONTROL WIRING FROM THERMOSTAT/SENSORS AT +5'-0" AFF TO CORRESPONDING UNIT.
- 11) PROVIDE CEILING-MOUNTED RECEPTACLE AT BOTTOM OF STRUCTURE FOR PUBLIC VIEW MONITOR. SEE A-141 FOR LOCATION AND MONITOR MOUNTING HEIGHT
- (12) PROVIDE JUNCTION BOX AND DEDICATED CIRCUIT FOR HAND DRYER. COORDINATE MOUNTING HEIGHT OF JUNCTION BOX WITH MANUFACTURER'S RECOMMENDATIONS.
- (13) PROVIDE (1) 4" CONDUIT FROM TDP RACK TO IDF. VERIFY TERMINATION POINT AND ROUTING PRIOR TO BID. ADD PULL BOXES. AT ALL 90 DEGREE TURNS. LAND CONDUIT AT IDF ABOVE PLYWOOD/ENCLOSURE.
- (14) PROVIDE (2)#12, (1)#12G, 3/4"C FROM AC-1 TO CONDENSATE PUMP, WHICH IS MOUNTED TO AC-1. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.
- (15) PROVIDE CEILING-MOUNTED NEMA TYPE L14-20R 208V/1P RECEPTACLE FOR BOAT LIFT. VERIFY EXACT MOUNTING
- (16) EXHAUST FAN TO BE CIRCUITED TO LOCAL FITTING ROOM CIRCUIT. EXHAUST FAN SHALL BE CONTROLLED BY LOCAL OCCUPANCY SENSOR LOCATED ON THE SPACE IT SERVES. SEE SHEET F-200 FOR OCCUPANCY SENSOR LOCATION.
- |17
 angle PROVIDE (1) 4" CONDUIT FROM JUNCTION BOX IN TDP ROOM TO JUNCTION BOX IN RPSU STORAGE AREA. ADD PULL BOXES AT ALL 90 DEGREE TURNS.
- (18) PROVIDE 24"x24"x8" PULL BOX FOR TDP CONDUIT.
- (19) PROVIDE (1) 1-1/2" CONDUIT FOR TELE/DATA RECEPTACLES. SEE GENERAL NOTE 11 FOR ADDITIONAL REQUIREMENTS.
- $\langle \overline{20}
 angle$ EC TO PROVIDE FLUSH FLOOR MOUNTED FLOOR BOX RECEPTACLE HUBBELL #BA2529 FLOOR BOX, WITH #SA3925 ELECTRICAL PLATE FLOOR BOX. EC SHALL PROVIDE (1) 3/4" CONDUIT FOR POWER TO NEAREST COLUMN OR EXTERIOR WALL. ELECTRICAL CONTRACTOR SHALL PROVIDE HOMERUN AND MAKE FINAL CONNECTION TO PANEL.
- ⟨21⟩ EC SHALL PROVIDE (1) 3/4" CONDUIT FOR POWER TO NEAREST COLUMN OR EXTERIOR WALL. ELECTRICAL CONTRACTOR SHALL PROVIDE HOMERUN AND MAKE FINAL CONNECTION TO PANEL.
- (22) INSTALL TENANT FURNISHED BOAT/BIKE LIFT CONTROLS. COORDINATE LOCATION WITH OWNER'S REPRESENTATIVE. CONTROLS ARE SURFACE MOUNTED. NO CONDUIT REQUIRED.
- 23> PROVIDE JUNCTION BOX RECESSED IN CEILING FOR TRAFFIC COUNTER. TRAFFIC COUNTER SHALL BE ORIENTED SUCH THAT THE LONGEST DIMENSION OF THE TRAFFIC COUNTER IS PARALLEL WITH THE DOOR. VERIFY EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE A 1" CONDUIT WITH PULLSTRING.
- $\langle \overline{24}
 angle$ mount timer switch in recessed 2-gang box at 46" on wall adjacent to rope cutter. Do not mount ABOVE ROPE CUTTER.
- $\langle \overline{25}
 angle$ PROVIDE JUNCTION BOX FOR DOOR COUNTER AND CAMERA SURFACE MOUNTED ADJACENT TO ENTRY DOOR. VERIFY EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE A 3/4" CONDUIT WITH PULLSTRING.
- (26) PROVIDE CONDUIT AND PULL STRING TO ABOVE ACCESSIBLE CEILING FOR ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEM. CONDUIT TO STUB OUT TO WALL AT +54" AFF AT LOCATION SHOWN. COORDINATE WITH CHECKPOINT
- 27) EAS PANEL. PROVIDED 12"X12"X4" ENCLOSURE WITH (2) JUNCTION BOXES MOUNTED IN SIDES OF BOX FOR EAS PEDESTAL POWER SUPPLIES. MOUNT ABOVE CEILING IN LOCATION ACCESSIBLE BY TENANT'S STEP-LADDER. COORDINATE REQUIREMENTS WITH REI CONSTRUCTION MANGER.
- PROVIDE CONDUIT AND WIRING FROM MOTORIZED DOOR TO J-BOX ON INTERIOR OF PREMISES. J-BOX TO BE MOUNTED A MINIMUM OF 16'-0"AFF. TENANT WILL PROVIDE HOME RUN AND FINAL CONNECTION TO PANEL. DOOR INSTALLATION INCLUDES DOOR OPERATOR CONTROLS. PROVIDE A MMTC 3BLM EXTERIOR THREE-BUTTON LOCKOUT SURFACE MOUNT CONTROL STATION. CONTROL STATION SHALL BE LOCATED ADJACENT TO DOOR. PROVIDE WIRING FROM CONTROL STATION TO MOTOR PER MANUFACTURER REQUIREMENTS.
- 29 PROVIDE DUPLEX FOR POWER TO SINK SENSOR. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
- (30) RECEPTACLE SHALL BE INSTALLED 18" MAX ABOVE THE TOP OF THE WINDOW. REFER TO ARCHITECTURAL SHEETS FOR EXACT LOCATION.
- 31) PROVIDE 2" CONDUIT WITH PULL STRINGS STUBBED INTO SPACE. COORDINATE EXACT LOCATION WITH ARCHITECTURAL ELEVATIONS.
- PROVIDE ELECTRICAL CONNECTIONS FOR WASHER & DRYER. COORDINATE ELECTRICAL REQUIREMENTS WITH MANUFACTURER'S RECOMMENDATIONS. COORDINATE LOCATION WITH OWNER. PROVIDE (2)#12,(1)#12G,3/4"C TO -
- 34 PROVIDE (2) 50 AMP, 2-POLE NON-FUSED, TOGGLE DISCONNECT SWITCHES FOR INSTANTANEOUS WATER HEATER. VERIFY LOCATION OF DISCONNECTS WITH ARCHITECT. VERIFY ADDITIONAL REQUIREMENTS WITH PLUMBING CONTRACTOR. DISCONNECTS SHALL BE INTEGRALLY LOCKABLE AND SHALL BE CLEARLY AND PERMANENTLY LABELED
- (35) PROVIDE SERVICE DISCONNECT AND TAP BOX. REFER TO SHEET F-300 FOR ADDITIONAL INFORMATION.

SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF POWER AND SIGNAL DEVICES.



CHITECT INFORMATION:

NSULTANT INFORMATION:

ROJECT INFORMATION:

GNATURE/SEAL:

AWING ISSUANCE LOG: V DATE DESCRIPTION 11/08/2021 BID SET

12/20/2021 BULLETIN 2 1/14/2022 BULLETIN 3

1/14/2022 ISSUED FOR CONSTRUCTION 4 2/16/2022 BULLETIN 4

3/01/2022 BULLETIN 5 3/23/2022 BULLETIN 9 0 4/25/2022 BULLETIN 11

1ST FLOOR PLAN - POWER &

E-100

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NOTE: NOT ALL OF THE FOLLOWING WILL BE USED AT EVERY LOCATION.

- 1. ZONE 'a' EMPLOYEE AND CUSTOMER LIGHTING (NOVAR OUTPUT #1) = TYPE 'C2' FIXTURES SHALL TURN ON TO 50% DURING EMPLOYEE HOURS AND RAISE TO 100% DURING CUSTOMER HOURS. TYPE 'C2' FIXTURES SHALL DIM CONTINUOUSLY BASED ON PHOTOSENSOR READINGS. DIMMING SYSTEM TO BE PROVIDED WITH DEMAND RESPONSE CONTROL INPUT TO REDUCE TOTAL LIGHTING LOAD BY 15% WHEN SIGNAL IS RECEIVED.
- 2. ZONE 'a1' EMPLOYEE HOURS 1 (NOVAR OUTPUT #2) = CONTROLLED BY NOVAR TIME SCHEDULE WHEN EMPLOYEES ONLY ARE IN THE FACILITY. THIS OUTPUT SHALL CONTROL ALL LAMPS IN THE FIXTURE. DIMMING SYSTEM TO BE PROVIDED WITH DEMAND RESPONSE CONTROL INPUT TO REDUCE TOTAL LIGHTING LOAD BY 15% WHEN SIGNAL IS RECEIVED.
- 3. ZONE 'a2' EMPLOYEE HOURS 2 (RETAIL SPACE) (NOVAR OUTPUT #3) = CONTROLLED BY NOVAR TIME SCHEDULE WHEN EMPLOYEES ONLY ARE IN THE FACILITY. THIS OUTPUT SHALL CONTROL ALL LAMPS IN THE FIXTURE. ALL FIXTURES ON THIS FUNCTION SHALL BE CONTROLLED THROUGH A DIMMABLE OVERRIDE SWITCH LOCATED IN EMPLOYEE OFFICE.
- 4. ZONE 'b' EMPLOYEE AND CUSTOMER LIGHTING (NOVAR OUTPUT #1) = TYPE 'C2' FIXTURES SHALL TURN ON TO 50% DURING EMPLOYEE HOURS AND RAISE TO 100% DURING CUSTOMER HOURS. DIMMING SYSTEM TO BE PROVIDED WITH DEMAND RESPONSE CONTROL INPUT TO REDUCE TOTAL LIGHTING LOAD BY 15% WHEN SIGNAL IS RECEIVED.
- 5. ZONE 'c' SPARE.
- 6. ZONE 'd' CUSTOMER LIGHTING (NOVAR OUTPUT #5) = 100% OF ALL TRACK LIGHT FIXTURES (TYPES 'B2', 'H2', & 'W').
- 7. ZONE 'e' SIGNS AND EXTERIOR LIGHTS: (NOVAR OUTPUT #8) CONTROLLED BY 'NOVAR' TIME SCHEDULE AND OUTDOOR
- 8. ZONE 'f' SHOW WINDOWS: (NOVAR OUTPUT #9) CONTROLLED BY 'NOVAR' TIME SCHEDULE
- 9. ZONE 's' SITE LIGHTING: (NOVAR OUTPUT #10) CONTROLLED BY NOVAR TIME SCHEDULE AND OUTDOOR PHOTOCELL.
- 10. EGRESS AND SECURITY LIGHTING = 'ON' 24-HOURS (NOT CONTROLLED BY 'NOVAR').
- 11. FIXTURES LABELED 'C2E' SHALL HAVE AN INTEGRAL BATTERY PACK, CIRCUITED TO THE REMOTELY OPERATED CIRCUIT BREAKER
- 12. FIXTURES LABELED 'NL' SHALL HAVE A CONTINUOUS HOT TO OPERATE 24 HOURS AND NOT ON NOVAR CONTROL.

PANEL SCHEDULE GENERAL NOTES

- 1. OVERCURRENT DEVICE ENCLOSURE SHALL BE IDENTIFIED AS SERIES RATED AND LABELED IN ACCORDANCE WITH N.E.C. 110-22 AND DEVICES SHALL BE A.I.C. RATED PER MANUFACTURER.
- 2. SEE SHEET E-501 FOR WIRE SIZES OF ALL NEW CIRCUITS.

PANEL SCHEDULE KEY NOTES

- 1 ALL CIRCUIT BREAKERS ON NOVAR CONTROL SHALL BE TYPE PL BREAKER.
- (2) EMERGENCY LIGHTS FED BY THIS CIRCUIT SHALL HAVE BOTH A CONTROLLED AND UNCONTROLLED CIRCUIT ROUTED
- PROVIDE (6) SPARE CONTROLLABLE 'PL' BREAKERS IN PANELS 'L' AND 'L1'.
- 4 PROVIDE GFCI RATED CIRCUIT BREAKER FOR EQUIPMENT INDICATED.

	Branch Panel: L															
	Location: Space 3 Supply From: SEE SIN Mounting: RECES	NGLE LINE [DIAGRAM				Volts: Phases: Wires:		Vye				Main	s. Rating: 42 KAIC s Rating: 200 A B Rating: 200 A		
СКТ	Circuit Description	(1) Novar Control	Trip	Poles		Δ.	ı	В		C	Poles	Trip	(1) Novar Control	Circuit Description	СКТ	
1	EXIT SIGNS L.O.		20 A	1	40 VA	730 VA					1	20 A		SHUNT TRIP - SHIPPING/REC. LTG	2	2
3	SHUNT TRIP - RETAIL 110 EM LIGHTING		20 A	1			1346 VA	2269 VA			1	20 A	a1	SHIPPING/REC., STORAGE LTG	4	
5	RETAIL - EMERGENCY LIGHTING	а	20 A	1					1460 VA	116 VA	1	20 A		SHUNT TRIP - BIKE ASSEMBLY LTG	6	2
7	RETAIL 110 - LIGHTING	а	20 A	1	1672 VA	812 VA					1	20 A	a1	BIKE ASSEMBLY LTG	8	
9	RETAIL 110 - LIGHTING	а	20 A	1			2464 VA	146 VA			1	20 A		SHUNT TRIP - BATHROOM, EMP LTG	10	2
11	RETAIL 110 - NIGHT LIGHTING		20 A	1					288 VA	542 VA	1	20 A		BATHROOM, EMPLOYEE, OFFICE LTG	12	
13	SPARE		20 A	1	0 VA	552 VA					1	20 A		SHUNT TRIP - EXTERIOR LIGHTING	14	2
15	SPARE		20 A	1			0 VA	528 VA			1	20 A	е	EXTERIOR LIGHTING	16	<u>\</u>
17	SPARE		20 A	1					0 VA	10000	1	50 A		IWH-1 (CRKT 1)	18	
19	SPARE		20 A	1	0 VA	10000					1	50 A		IWH-1 (CRKT 2)	20	10
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	SPACE				0 VA	6000 VA					1	30 A		EWH-1 (6 KW)	26	10\(\)
27	SPACE						0 VA	0 VA		(^	SPACE	28] \
29	SPACE								0 VA	0 VA				SPACE	30	
31	SPACE				0 VA	0 VA				1		, ,		SPACE, , , , , , , , , , , , , , , , , , ,	,32	1) `
33	SPACE						0 VA	0 VA						SPACE	34	
35	SPACE								0 VA	0 VA				SPACE	36	1
37	SPACE				0 VA	0 VA								SPACE	38	1
39	SPACE						0 VA	0 VA						SPACE	40	1
41	SPACE								0 VA	0 VA				SPACE	42	1
		1	T	otal Load:	1976	57 VA	637	8 VA)4 VA		1	1	1	1	1
				tal Amps:		5 A		3 A		3 A	1					
				tal Amps:			46	6 A								

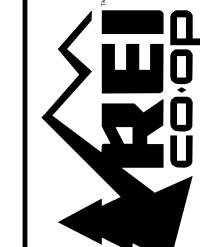
	Branch Panel: R1														
	Location: Space 318		Volts:	120/208 V	Vve				A.I.C. Rating: 22 KAIC						
	Supply From: SEE SINGLE LIN	E DIAGRAM		Phases: 3 Wires: 4							Mains Rating: 100 A				
	Mounting: RECESSED											MLO Rating: 100 A			
	· ·											· ·			
СКТ	Circuit Description	Trip	Poles		A		3	(:	Poles	Trip	Circuit Description	СКТ		
1	RETAIL COLUMN RECEPTACLES	20 A	1	900 VA			,			1	20 A	CASHWRAP RECEPTACLES (FUTURE)	2		
3	RETAIL COLUMN RECEPTACLES	20 A	1	300 171	.20 1/1	540 VA	720 VA			1	20 A	CASHWRAP RECEPTACLES	4		
5	EMPLOYEE ROOM - COMPUTER REC.	20 A	1					360 VA	720 VA	1	20 A	CASHWRAP RECEPTACLES	6		
7	EMPLOYEE ROOM - ELEC WATER COOLER	20 A	1	180 VA	720 VA				-	1	20 A	CASHWRAP RECEPTACLES	8		
9	EMPLOYEE ROOM - ABOVE COUNTER REC.	20 A	1			180 VA	360 VA			1	20 A	BACK OF CASHWRAP RECEPTACLE	10		
11	EMPLOYEE ROOM - MICROWAVE	20 A	1					1500 VA	180 VA	1	20 A	OFFICE - COMPUTER REC.	12		
13	EMPLOYEE ROOM - TOASTER	20 A	1	1500 VA	180 VA					1	20 A	OFFICE - COMPUTER REC.	14		
15	EMPLOYEE ROOM - MICROWAVE	20 A	1			1500 VA	180 VA			1	20 A	OFFICE - COMPUTER REC.	16		
17	EMPLOYEE ROOM - REFRIGERATOR	20 A	1					800 VA	180 VA	1	20 A	OFFICE - COMPUTER REC.	18		
19	EMPLOYEE ROOM - TIMECLOCK	20 A	1	180 VA	180 VA					1	20 A	OFFICE - PRINTER REC.	20		
21	EMPLOYEE ROOM - CONV. REC.	20 A	1			540 VA	360 VA			1	20 A	RPSU - CAGE REC.	22		
23	TDP - ALARM CONTROL PANELS	20 A	1					540 VA	360 VA	1	20 A	RPSU - CAGE REC.	24		
25	TDP - DEDICATED QUADRECEPTACLE	20 A	1	360 VA	360 VA					1	20 A	RPSU - CAGE REC.	26		
27	TDP - DEDICATED DUPLEX RECEPTACLE	20 A	1			180 VA	180 VA			1	20 A	RPSU - ERGOTRON REC.	28		
29	TDP - TWISTLOCK RECEPTACLE	30 A	1					500 VA	180 VA	1	20 A	RPSU STORAGE - IDF RACK	30		
31	TDP - TWISTLOCK RECEPTACLE	30 A	1	500 VA	360 VA					1	20 A	RSPU, OFFICE - RECEPTACLES	32		
33	TDP - TELEPHONE BACKBOARD RECEPTACLE	20 A	1			720 VA	42 VA			2	15 A	AC-1 (0.5 MCA)	34		
35	TDP - TELEPHONE BACKBOARD RECEPTACLE	20 A	1					720 VA	42 VA		13 /	A0-1 (0.5 MOA)	36		
37	TDP - FACP RECEPTACLE	20 A	1	180 VA	1716 VA					2	20 A	CU-1 (16.5 MCA)	38		
39	ROOFTOP CONVENIENCE REC.	20 A	1			540 VA	1716 VA				20 A	00-1 (10.3 WOA)	40		
41	SPARE	20 A	1					0 VA	0 VA	1	20 A	SPARE	42		
		8036	6 VA	775	758 VA 6082 VA										
		69	A	67	Ά	51	Α								

	Branch Panel: MDP Location: Space 318 Supply From: SEE SING Mounting: RECESSE	LE LINE DIAGRAM				Volts: Phases: Wires:		Vye				A.I.C. Rating: 65 KAIC Mains Rating: 600 A MCB Rating: 600 A	
CKT	Circuit Description	Trip	Poles	A		E	3	(:	Poles	Trip	Circuit Description	СКТ
1				3680 VA 5									2
3	RTU-1 (12MCA)	15 A	3			3680 VA	5827 VA			3	25 A	RTU-2 (19 MCA)	4
5								3680 VA	5827 VA				6
7				8280 VA 8						_			8
9	RTU-3 (27 MCA)	30 A	3			8280 VA	8280 VA			3	30 A	RTU-4 (27 MCA)	10
11				0747144	2000144			8280 VA	8280 VA				12
13				6747 VA 8		0=4=14	00001/4					D=11.0 (0=140.1)	14
15	RTU-5 (22 MCA)	25 A	3			6/4/ VA	8280 VA		00001/4	3	30 A	RTU-6 (27 MCA)	16
17				074714	0.40==			6747 VA	8280 VA				18
19				6747 VA 2		0=4=14	40000						20
21	RTU-7 (22 MCA)	25 A	3			6747 VA	18289			3	175 A	I-1	22
23								6747 VA	19696				24
25				0 VA	19767					_			26
27	TVSS	60 A	3			0 VA	6378 VA			3	200 A	PANEL "L	28
29								0 VA	12404				30
			otal Load:				1 VA	7982					
			tal Amps:		A		1 A	292	2 A				

		Branch Panel: L1															
		Location: Space 3 Supply From: SEE SI Mounting: RECES	NGLE LINE [DIAGRAM				Volts: Phases: Wires:		Vye				Main	s. Rating: 22 KAIC s Rating: 225 A 3 Rating: 225 A		
	СКТ	Circuit Description	1 Novar Control	Trip	Poles	1	A	E	3	(C	Poles	Trip	1 Novar Control	Circuit Description	СКТ	
(2)	1	RETAIL 110 - CASHWRAP DISPLAY TRACK	d	20 A	1	302 VA	260 VA					1	20 A		SHUNT TRIP - HALLWAY LIGHTING	2	
<u> </u>	3	RETAIL 110 - PERIMETER LIGHTING	d	20 A	1			1275 VA	862 VA			1	20 A	a1	FITTING RM LIGHTING & EF-4,5,6	4]\
$\overline{2}\rangle$	5	RETAIL 110 - PERIMETER LIGHTING	d	20 A	1					1250 VA	200 VA	1	20 A	a1	EF-3 (1/10HP)	6	
	7	RETAIL 110 - TRACK LIGHTING	d	20 A	1	1150 VA	360 VA					1	20 A	a1	AUTOMATIC DOOR (a1)	8	
2	9	RETAIL 110 - TRACK LIGHTING	d	20 A	1			1400 VA	360 VA			1	20 A	a1	SHIP/REC 160 - LOADING DOCK LIGHTS	10	
	11	RETAIL 110 - TRACK LIGHTING	d	20 A	1					1200 VA	930 VA	1	20 A	a1	SHIP/REC 160 - LOADING DOCK FANS	12	
$\overline{2}\rangle$	13	RETAIL 110 - PENDANT LIGHTING	d	20 A	1	36 VA	180 VA					1	20 A	е	EXTERIOR SIGNAGE	14	
<u> </u>	15	RETAIL 110 - FLOOR RECEPTACLES	d	20 A	1			360 VA	60 VA			1	20 A	е	EXTERIOR LIGHTING	16	
	17	SHOWCASE WINDOWS		20 A	1					360 VA	200 VA	1	20 A		EF-1 (1/3 HP)	18	
$ \begin{array}{c} 3 \\ 3 \\ \hline 3 \\ \hline 10 \\ \hline 3 \end{array} $	19	SPARE		20 A	1	0 VA	696 VA					1	20 A		UH-1 (1/4 H.P.)	20	
(3)	21	SPARE		20 A	1			0 VA	1997 VA			2	25 A		EUH-1 (19.2 MCA)	22	
\wedge 3	23	SPARE		20 A	1					0 VA	1997 VA	2	23 /		LOTI-1 (19.2 WOA)	24	
$10\sqrt{3}$	25	SPARE		20 A	1	0 VA	1800 VA					1	20 A		CP-1 (45W)	26	
$\left\langle \overline{3}\right\rangle$	27	SPARE		20 A	1			0 VA	1176 VA			1	20 A		EP-1 (1/2HP)	28	
$\langle \overline{3} \rangle$	29	SPARE		20 A	1					0 VA	0 VA				SPACE	30	
	31	SPACE				0 VA	0 VA								SPACE	32	
	33	SPACE		-				0 VA	0 VA						SPACE	34	
	35	SPACE								0 VA	0 VA				SPACE	36	
	37	SPACE				0 VA	0 VA								SPACE	38	
	39	SPACE						0 VA	0 VA						SPACE	40	
	41	SPACE		-						0 VA	0 VA				SPACE	42	1
				To	otal Load:	381	2 VA	5508	3 VA	442	7 VA						1
				To	tal Amps:	32	2 A	47	'A	38	3 A						
				To	tal Amps:			38	i A								

Location: Space 318 Supply From: SEE SINGLE LINE DIAGRAM Mounting: RECESSED						Volts: Phases: Wires:		Vye		A.I.C. Rating: 22 KAIC Mains Rating: 100 A MLO Rating: 100 A				
СКТ	Circuit Description	Trip	Poles		4		В	(Poles	Trip	Circuit Description	СКТ	
1	BIKE ASSEMBLY 150 - CONV. RECS.	20 A	1	900 VA	540 VA					1	20 A	SHIPPING/RECEIVING 160 - DESK RECS.	2	
3	BIKE ASSEMBLY 150 - COMPRESSOR	20 A	1			360 VA	540 VA			1	20 A	SHIPPING/RECIEVING 160 - DESK RECS.	4	
5 7	BIKE ASSEMBLY 150 - BENCH RECEPTACLE BIKE ASSEMBLY 150 - GRINDER	20 A 20 A	1	180 VA	1664 VA			360 VA	1664 VA	2	20 A	SHIPPING/RECIEVING 160 - BOAT LIFT	6 8	
9	BIKE ASSEMBLY 150 - BENCH RECEPTACLE	20 A	1			360 VA	180 VA			1	20 A	SHIPPING/RECEIVING 160 - MOTORIZED DOOR	10	
11	BIKE ASSEMBLY 150 - GRINDER	20 A	1					180 VA	900 VA	1	20 A	ALL GENDER 141 - HAND DRYER	12	
13	BIKE ASSEMBLY 150 - BENCH RECEPTACLE	20 A	1	360 VA	900 VA					1	20 A	ALL GENDER 141 - HAND DRYER	14	
15	BIKE ASSEMBLY 150 - GRINDER	20 A	1			180 VA	720 VA			1	20 A	ALL GENDER - ABV. COUNTER. RECS.	16	
17	BIKE ASSEMBLY 150 - BENCH RECEPTACLE	20 A	1					360 VA	360 VA	1	20 A	SHOWER 146 - ABV COUNTER REC.	18	
19	BIKE ASSEMBLY 150 - ERGOTRON	20 A	1	180 VA	900 VA					1	20 A	SHOWER 146 - HAND DRYER	20	
21	BIKE ASSEMBLY 150 - BIKE STAND DROP	20 A	1			180 VA	360 VA			1	20 A	HALLWAY 140 - EAS PANEL	22	
23	BIKE ASSEMBLY 150 - CASHWRAP RECEPTACLES	20 A	1					1080 VA	180 VA	1	20 A	HALLWAY 140 - EWC (GFCI)	24	
25	BIKE ASSEMBLY 150 - PARTS WASHER	20 A	1	180 VA	180 VA					1	20 A	HALLWAY 125 - CONV. REC.	26	
27	BIKE ASSEMBLY 150 - WAX JET	20 A	1			180 VA	900 VA			1	20 A	CONFERENCE 170 - RECS.	28	
29	BIKE ASSEMBLY 150 - SKI MACHINE	30 A	2					2500 VA	180 VA	1	20 A	UTILITY REC.	30	
31	BINE ASSEMBLY 130 - SKI MACHINE	30 A	2	2500 VA	180 VA					1	20 A	PUBLIC VIEWING MONITOR	32	
33	HALLWAY 120 - CONV. REC.	20 A	1			180 VA	180 VA			1	20 A	VESTIBULE EAS PANEL	34	
35	ACTION SPORTS - ROPE CUTTER & EF-2	20 A	1					260 VA	550 VA	~ ~ `	1E A	Y- V-	36	
37	STORAGE 164 - ERGOTRONS	20 A	1	360 VA	550 VA				}	. 2	15 A	WASHER UNIT (GFCI)	38	
39	SPARE	20 A	1			0 VA	1200 VA		}	. 0	4F A	DDVED LINIT (OFO)	40	
41	SPARE	20 A	1					0 VA	1200 VA	2	15 A	DRYER UNIT (GFCI)	42	
		957	1 VA	552	0 VA	9774				turunum.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
		То	tal Amps:	85	iΑ	46	6 A	87	' A					
		То	tal Amps:			69) A	1						

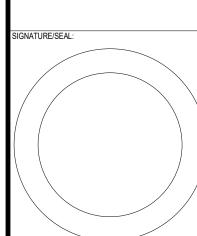
	Branch Panel: LDP Location: Space 318 Supply From: SEE SINGLE L Mounting: RECESSED		Volts: 120/208 Wye Phases: 3 Wires: 4						A.I.C. Rating: 22 KAIC Mains Rating: 400 A MCB Rating: 350 A				
СКТ	Circuit Description	Trip	Poles		Ą	E	3	C	;	Poles	Trip	Circuit Description	скт
1				8036 VA	3812 VA								2
3	PANEL 'R1'	100 A	3			7758 VA	5508 VA	6082 VA	44071/4	3	200 A	PANEL 'L1'	6
7				9574 VA	0 VA			0002 VA	4421 VA			SPACE	8
9	PANEL 'R2'	100 A	3		V 171	5520 VA	0 VA					SPACE	10
11								9774 VA	0 VA			SPACE	12
		To	otal Load:	: 2127	'5 VA	1828	9 VA	19696	6 VA				
		179	9 A	15	166	166 A							
		To	tal Amps:			16	4 A						



RCHITECT INFORMATION:

ONSULTANT INFORMATION:

PROJECT INFORMATION:



DRAWING ISSUANCE LOG:
REV DATE DESCRIPTION
11/08/2021 BID SET 2 12/20/2021 BULLETIN 2 1/14/2022 ISSUED FOR CONSTRUCTION

4 2/16/2022 BULLETIN 4 5 3/01/2022 BULLETIN 5 9 3/23/2022 BULLETIN 9 10 4/25/2022 BULLETIN 11

PANEL SCHEDULES

E-500

4/25/2022 2:32:27 PM