

1 Proposed Site Lighting
3/16" = 1'-0"

LIGHTING LEGEND

○^x WALL MOUNTED FIXTURE. SUBSCRIPT INDICATES FIXTURE TYPE, REFER TO LIGHTING SCHEDULE.

EXTERIOR LIGHTING FIXTURE SCHEDULE										
Fixture Label	Fixture Type	Basis of Design / Catalog No.	Quantity	LAMP	Color Temp	W	Mount & Height	Location*	Structure Level	NOTE
WA	Downlight	Wave Lighting 533W	8	LED	AMBER	11	Wall, 8' AFF	L, B, S	Ground	1, 2, 3

Notes:
 1) Rated for wet location.
 2) Full cut off fixture.
 3) Certified by the Florida FWC Wildlife Lighting Certification Program
 * L = Landward side, S = Shore perpendicular side, B = Beach side

General Notes

- GENERAL NOTES SHALL APPLY TO ALL SUBSEQUENT SHEETS.
- ALL WORK SHALL COMPLY WITH 2023 FLORIDA BUILDING CODE
- ALL WORK SHALL COMPLY WITH 2020 NFPA 70.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE USER OR DOR OF ANY DISCREPANCIES DISCOVERED.
- ALL CONDUCTORS REQUIRED TO BE COPPER. THHN/THWN INSULATION.
- EXTERIOR FIXTURES ARE REQUIRED TO BE FULL CUTOFF MOUNTED PER SCHEDULE.
-

KEYED NOTES

- EXTERIOR CIRCUIT CONTROLLED VIA PHOTOCELL/TIMECLOCK.

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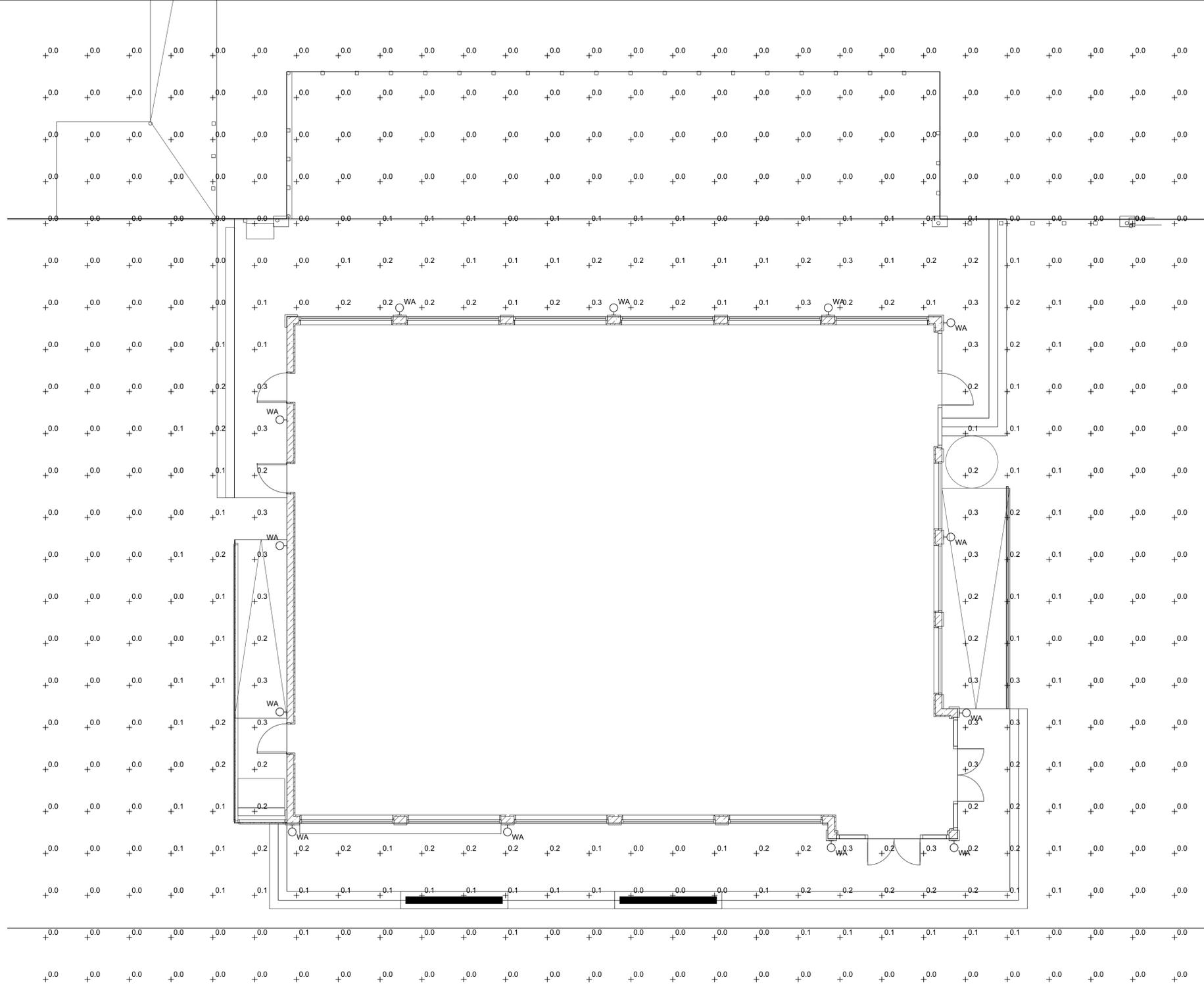
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 (334)313-5121
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Project Name and Address
16201 FRONT BEACH RD
PANAMA CITY BEACH, FL 32413

SITE PHOTOMETRICS

Project	Sheet
Date	ES-1
27 FEB 26	
Scale	NTS





- General Notes
1. GENERAL NOTES SHALL APPLY TO ALL SUBSEQUENT SHEETS.
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 4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE USER OR DOR OF ANY DISCREPANCIES DISCOVERED.
 5. ALL CONDUCTORS REQUIRED TO BE COPPER. THHN/THWN INSULATION. EXTERIOR FIXTURES ARE REQUIRED TO BE FULL CUTOFF MOUNTED 8' AFF PER SCHEDULE.

KEYED NOTES

1. EXTERIOR CIRCUIT CONTROLLED VIA PHOTOCELL/TIMECLOCK.

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SITE PHOTOMETRICS

Project	Sheet
Date 27 Feb 26	ES-2
Scale NTS	

1 FOOTCANDLE CALCULATION

3/16" = 1'-0"
 CALCULATION BASED ON FIXTURES AS LISTED IN SCHEDULE. MEASUREMENTS ARE IN FOOTCANDLE AT FLOOR LEVEL.

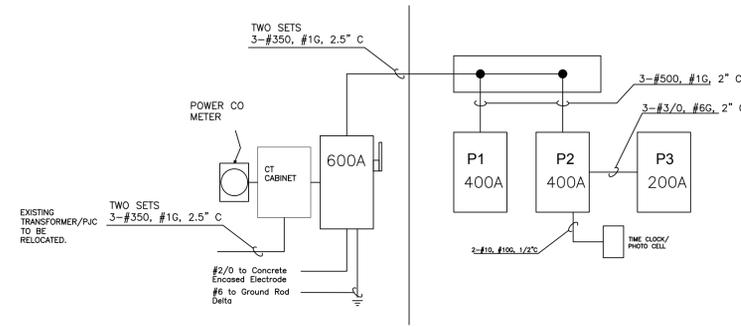
Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot
⊙	WA		13	S34W-LE26A-XX	White plastic housing, no lens enclosure	68 orange LED's	1	50	1	10.0627	

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Restaurant	+	0.0 fc	0.3 fc	0.0 fc	N/A	N/A



ELECTRICAL LEGEND

- DUPLEX RECEPTACLE, 20A, MOUNT 18" AFF UNLESS OTHERWISE NOTED. G DENOTES OUTLET IS GFCI PROTECTED. U DENOTES OUTLET INCLUDES TWO USB CHARGERS. TV DENOTES TV OUTLET MOUNTED 80" AFF. WP DENOTES EXTERIOR WEATHERPROOF RECEPTACLE BOX.
- DUPLEX RECEPTACLE, 20A, MOUNTED ABOVE COUNTER HEIGHT. G DENOTES OUTLET IS GFCI PROTECTED.
- QUAD RECEPTACLE, 20A, MOUNT 18" AFF UNLESS OTHERWISE NOTED. G DENOTES OUTLET IS GFCI PROTECTED.
- FLOOR MOUNTED RECEPTACLE, 20A.
- 220V RECEPTACLE. REFER TO PANEL SCHEDULE FOR SIZE.
- JUNCTION BOX FOR EQUIPMENT. VERIFY LOCATION PRIOR TO INSTALLATION.
- NON FUSIBLE DISCONNECT SWITCH, NEMA 3R IF INSTALLED OUTDOORS.
- PANELBOARD.



1. ALL CONNECTIONS TO GROUNDING SYSTEM SHALL BE UL LISTED.
2. ALL CONDUCTORS SIZES BASED ON COPPER THIN CAPACITY.
3. EXISTING TRANSFORMER AND P/C TO BE RELOCATED. BUT WILL REQUIRE RELOCATION TO AVOID CONFLICT WITH STAR CONSTRUCTION. COORDINATE LOCATION.
4. NEW 600A FUSED DISCONNECT TO BE LOCATED ON OUTSIDE OF BUILDING. COORDINATE BEST LOCATION WITH OWNER PRIOR TO ROUGH-IN.
5. GROUND RODS IN GELTA SHOULD BE SPACED NO LESS THAN 6' APART.
6. TIME CLOCK/PHOTOCELL TO CONTROL EXTERIOR FIXTURES.
7. FAULT CURRENT CALCULATED TO BE 16,817A AT FUSED DISCONNECT.

SYMBOL	STYLE	Basis of Design	Quantity	LAMP	Color Temp	W	MOUNT	NOTE
A	Zx4	Lithonia		LED	4000K	33	Recessed	3
DZ	Cap	Lithonia		LED	4000K	10	Recessed	3
X	Exit Light Combo	Lithonia		LED	-	5	Surface	3, 4
Z	Egress	Lithonia		LED	-	5	Wall 7.5' AFF	3, 4
WA	Special Ext	Wave Lighting 533W		LED	AMBER	11	Wall, 8.5'	5, 6, 7

Notes:
 1) Dimming Fixture
 2) Direct/Indirect Fixture
 3) Owner to select final fixture. Coordinate prior to rough-in.
 4) Emergency fixtures to be fed with unswitched hot
 5) Rated for wet location
 6) Full Cut Off Fixture
 7) Certified by Florida FWC Wildlife Lighting Certification Program

LIGHTING LEGEND

- AC TYPE, 20A, 120V, MOUNT 48" A.F.F. SUBSCRIPT INDICATES SWITCH TYPE: 3- THREE WAY SWITCH, 4- FOUR WAY SWITCH, D- DIMMER SWITCH, OS- OCCUPANCY SENSOR, vs - VACANCY SENSOR, a - CONTROLS LIGHTS WITH 'a' DESIGNATION.
- CEILING / PENDANT MOUNTED OCCUPANCY SENSOR. TO CONTROL FIXTURES WITHIN THE SPACE.
- 2x4 FIXTURE. REFER TO LIGHTING SCHEDULE FOR MORE INFORMATION. A SUBSCRIPT OF 'E' INDICATES THE FIXTURE IS EQUIPPED WITH BATTERY BACK-UP FOR EGRESS LIGHTING.
- RECESSED DOWNLIGHT/CAN FIXTURE. REFER TO LIGHTING SCHEDULE FOR FIXTURE TYPE.
- WALL SCONCE. SUBSCRIPT INDICATES FIXTURE TYPE AND SWITCHING. REFER TO LIGHTING SCHEDULE FOR FIXTURE TYPE.
- EMERGENCY EGRESS LIGHTING. BATTERY BACKUP PROVIDES 90 MINUTES OR EMERGENCY POWER IN THE CASE OF POWER LOSS. UNIT TO BE FED WITH UNSWITCHED HOT FROM CIRCUIT INDICATED. REFER TO LIGHTING SCHEDULE FOR FIXTURE TYPE.
- WALL MOUNTED EMERGENCY EXIT LIGHTING. BATTERY BACKUP PROVIDES 90 MINUTES OR EMERGENCY POWER IN THE CASE OF POWER LOSS. UNIT TO BE FED WITH UNSWITCHED HOT FROM CIRCUIT INDICATED. REFER TO LIGHTING SCHEDULE FOR FIXTURE TYPE.

1 SERVICE RISER NTS

Ckt	Load Description	Breakers		kVA		Breakers		Load Description	Ckt
		Pole	Amp	Amp	Pole	Amp	Pole		
1	HPCU-1	2	50*	8.1	7.1	50*	2	AHU-1	2
3									4
5	HPCU-2	2	50*	8.1	7.1	50*	2	AHU-2	6
7									8
9	HPCU-3	2	50*	8.1	7.1	50*	2	AHU-3	10
11									12
13	HPCU-4	2	50*	8.1	7.1	50*	2	AHU-4	14
15									16
17	CCU-1	2	15*	3.5	7.1	20*	2	EF-1	18
19									20
21	CCU-2	2	50*	8.6	7.1	20*	2	EF-2	22
23									24
25									26
27	MSCU-1	2	40*	7.9	3.5	20*	2	SF-1	28
29									30
31	MSCU-2	2	40*	7.9			2	Space	32
33									34
35	Elevator	2	40*	7.9	2.3	15*	1	ERV-1	36
37	Hood Lighting / Controls	1	20*	1.2	1.2	20*	1	Tower Mech Rm Rec	38
39	P8 Gas Water Heaters	1	20	0.4				Hood Lighting / Controls	40
41									42

Ckt	Load Description	Breakers		kVA		Breakers		Load Description	Ckt
		Pole	Amp	Amp	Pole	Amp	Pole		
1	Convection Steamer - #1	1*	15*	0.2					2
3	Convection Oven - #2	1*	15*	1.3	19.0	200	2	Panel P3	4
5	Equipment Stand - #4	1*	15*	0.8	4.3	30	2	Ice Maker - #28	6
7	Reach In Freezer - #8	1	15	1.3					8
9	Hot Food Serving Counter - #9	1	20	5.8	4.6	40	1	Heat Lamps - #15	10
11	Prep Refrigerator - #11	1	15	0.3	4.6	40	1	Heat Lamps - #15	12
13	Undercounter Refrigerator - #12	1	15	0.3	3.0	30	1	Dishwasher - #26	14
15	Soda Machine - #17	1	15	0.8	0.3	15	1	Draft Beer Cooler - #B2	16
17	Coffee Brewer - #19	1	15	1.6	1.2	20	1	Blender Station - #B6	18
19	Iced Tea Brewer - #20	1	15	1.7	1.2	20	1	Kitchen Receptacles	20
21	Prep Area Receptacles	1	20	0.6	1.2	20	1	Kitchen Receptacles	22
23	Exterior Lights	1	20	0.4	1.2	20	1	Kitchen Lights	24
25								Front Lights	26
27	Dining Lights - 1st Flr	1	20	0.4	1.2	20	1	Bathroom / Corridor Receptacles	28
29	Host Quad Rec	1	20	0.4	0.6	20	1	Dining Receptacles	30
31	Dining Receptacles	1	20	1.0	1.0	20	1	Dining Receptacles	32
33	Office Receptacle	1	20	0.6	0.6	20	1	Prep Area Receptacles	34
35	Outdoor Bar Receptacles	1	20	0.4					36
37	Exterior Receptacles	1	20	0.4					38
39	Exterior Receptacles	1	20	0.4					40
41									42

Ckt	Load Description	Breakers		kVA		Breakers		Load Description	Ckt
		Pole	Amp	Amp	Pole	Amp	Pole		
1	Dumbwaiter	2	20	3.5	0.4	20	1	Host / Stairway Lighting	2
3								Mech / Stairway Lighting	4
5	Dining / Restroom Lighting	1	20	0.8	0.8	20	1	Dining / Bar Lighting	6
7	Coffee Brewer - #19	1	15	1.0	0.3	15	1	Draft Beer Cooler - #B2	8
9	Iced Tea Brewer - #20	1	15	1.0	1.2	20	1	Blender Station - #B6	10
11	Soda Machine - #17	1	15	1.0	0.6	20	1	Dining Receptacles	12
13	Pre-Bo Receptacles	1	20	0.4	0.6	20	1	Dining / Star Receptacles	14
15	Restroom Receptacles	1	20	0.6	0.8	20	1	Host Quad	16
17	Prep Receptacles	1	20	0.8	0.8	20	1	Prep Receptacles	18
19	Prep Receptacles	1	20	0.8	0.8	20	1	Prep Receptacles	20
21	Mech / Stairway Rec	1	20	0.8	0.8	20	1	FIRE ALARM POWER*	22
23								FIRE ALARM POWER*	24
25									26
27									28
29									30
31									32
33									34
35									36
37									38
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- General Notes
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 4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE USER OR DOR OF ANY DISCREPANCIES DISCOVERED.
 5. ALL CONDUCTORS REQUIRED TO BE COPPER. THHN/THWN INSULATION.
 6. EMERGENCY FIXTURES TO BE FED WITH UNSWITCHED HOT FROM CIRCUIT INDICATED. UPON LOSS OF POWER, INTEGRAL BATTERY SHOULD PROVIDE 90 MINUTES OF EGRESS LIGHTING.
 7. FINAL LIGHT FIXTURE SELECTION DETERMINED BY OWNER. COORDINATE PRIOR TO PURCHASING MATERIAL.
 8. COORDINATE SWITCHING SCHEME AND PLACE WITH OWNER PRIOR TO ROUGH-IN.
 9. VERIFY NAMEPLATE DATA FOR MECHANICAL UNITS PRIOR TO ROUGH-IN. COORDINATE ANY DIFFERENCES WITH DOR PRIOR TO INSTALL.
 10. TYPED PANELBOARD SCHEDULE REQUIRED FOR ALL NEW ELECTRICAL PANELBOARDS.
 11. WORKING SPACE REQUIRED IN NEC 110.26(A) SHALL BE MAINTAINED IN FRONT OF ALL PANELBOARDS AND ELECTRICAL EQUIPMENT.
 12. ALL EQUIPMENT, NEW OR REUSED, SHALL BE RATED FOR THE ENVIRONMENT IT IS INSTALLED.
 13. REFERENCE KITCHEN FOOD SERVICE SHEETS FOR ADDITIONAL INFORMATION

KEYED NOTES

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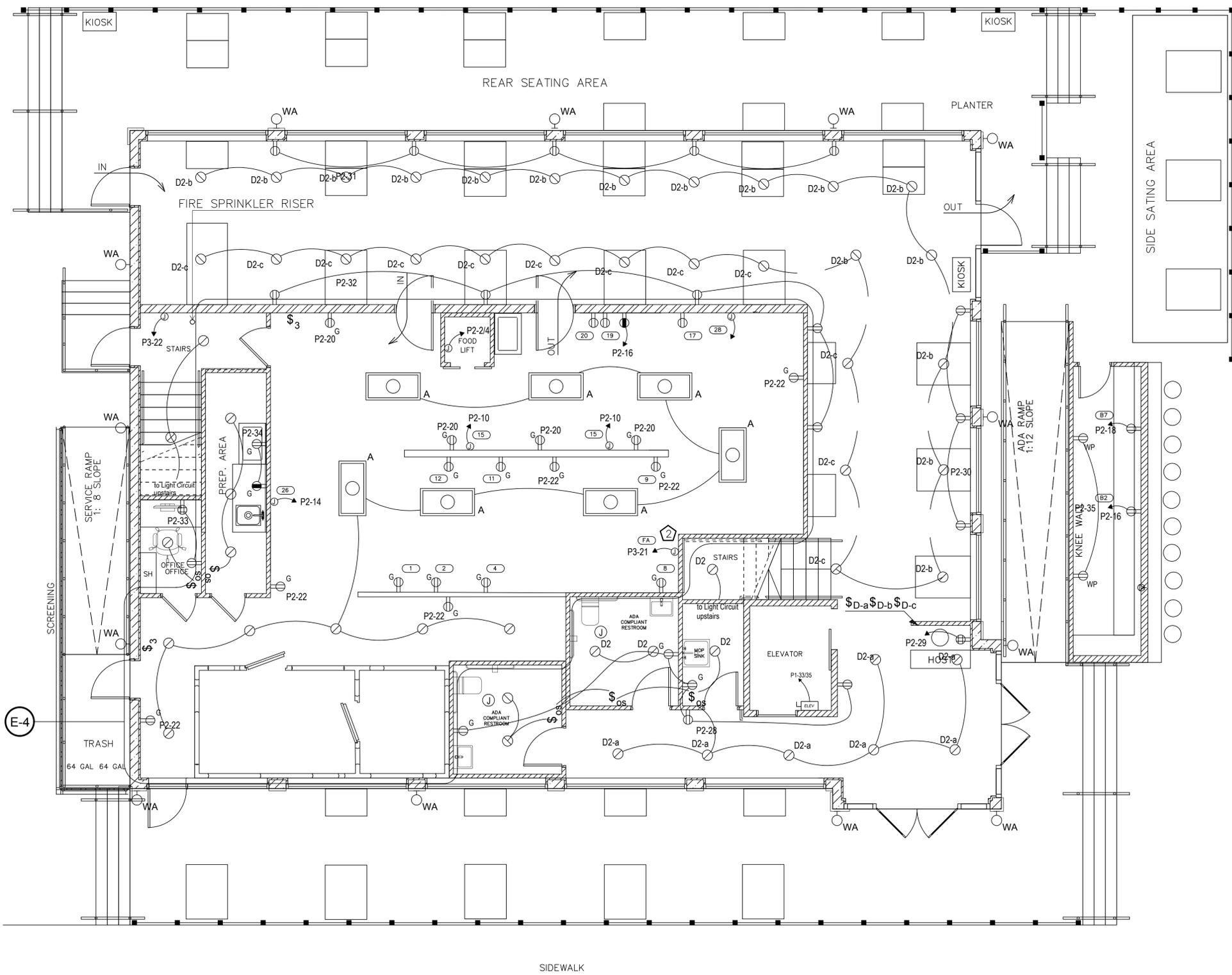
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 16201 FRONT BEACH RD
 PANAMA CITY BEACH, FL 32413

NEW ELEC - DETAILS / SCHEDULES

Project	Sheet
Date	E-1
27 FEB 26	
Scale	
NTS	





- General Notes**
1. ALL WORK SHALL COMPLY WITH 2023 FLORIDA BUILDING CODE
 2. ALL WORK SHALL COMPLY WITH 2020 NFPA 70
 3. LIGHTING LAYOUT SHOWS INTENDED COVERAGE AREA AND ILLUMINATION INTENT. COORDINATE FINAL FIXTURE SELECTION AND PLACEMENT WITH OWNER PRIOR TO PURCHASING.
 4. INTERIOR LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH C405.2 OF THE 2023 FLORIDA ENERGY CONSERVATION CODE. REFERENCE CONTROL SCHEDULE FOR MORE INFORMATION.
 - 5.

- KEYED NOTES**
1. EXISTING TRANSFORMER AND METER TO BE RELOCATED. CONFIRM LOCATION WITH OWNER PRIOR TO WORK.
 2. POWER FOR KITCHEN HOOD FIRE SUPPRESSION SYSTEM. COORDINATE LOCATION WITH EQUIPMENT SUPPLIER SHOP DRAWINGS.

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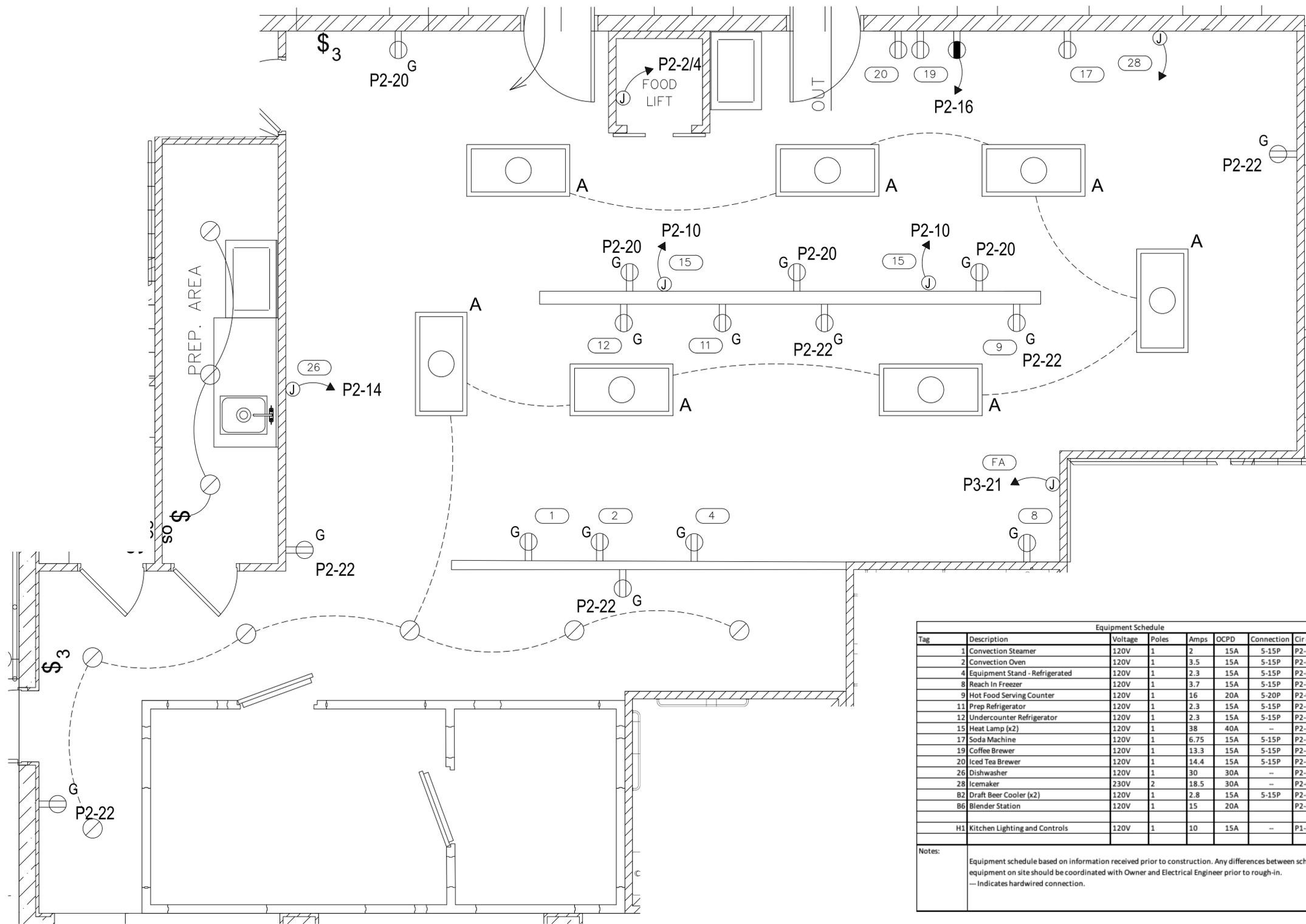
NEW ELECTRICAL FIRST FLOOR

Project	Sheet
Date 27 FEB 26	E-2
Scale 1/4" = 1'	

1 XFRM

1 First Floor
 1/4" = 1'-0"





1 Kitchen Electrical
1/2" = 1'-0"

General Notes

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5. ALL RECEPTACLES IN VEHICLE WORK SPACES SHALL BE MOUNTED AT 36" AFF

KEYED NOTES

1. RECEPTACLES UNDER HOOD REQUIRED TO BE SHUNTED UPON ACTIVATION OF FIRE-EXTINGUISHING SYSTEM IN ACCORDANCE WITH NFPA 1 50.4.6

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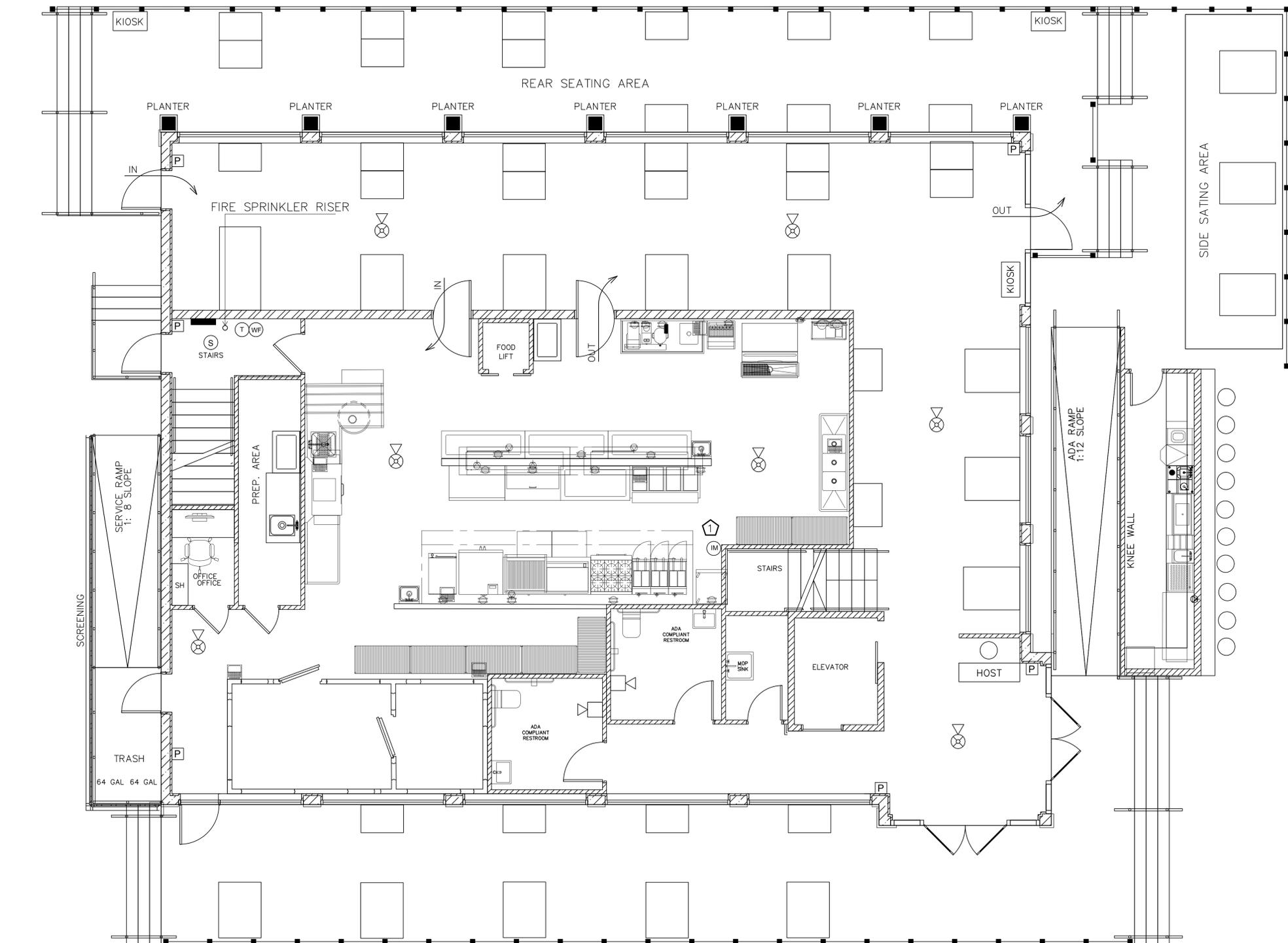
NEW ELECTRICAL KITCHEN

Project	Sheet
Date 27 FEB 26	E-4
Scale 1/2" = 1'	

Equipment Schedule							
Tag	Description	Voltage	Poles	Amps	OCPD	Connection	Cir #
1	Convection Steamer	120V	1	2	15A	5-15P	P2-1
2	Convection Oven	120V	1	3.5	15A	5-15P	P2-3
4	Equipment Stand - Refrigerated	120V	1	2.3	15A	5-15P	P2-5
8	Reach In Freezer	120V	1	3.7	15A	5-15P	P2-7
9	Hot Food Serving Counter	120V	1	16	20A	5-20P	P2-9
11	Prep Refrigerator	120V	1	2.3	15A	5-15P	P2-11
12	Undercounter Refrigerator	120V	1	2.3	15A	5-15P	P2-13
15	Heat Lamp (x2)	120V	1	38	40A	--	P2-10, P2-12
17	Soda Machine	120V	1	6.75	15A	5-15P	P2-15, P3-11
19	Coffee Brewer	120V	1	13.3	15A	5-15P	P2-17, P3-7
20	Iced Tea Brewer	120V	1	14.4	15A	5-15P	P2-19, P3-9
26	Dishwasher	120V	1	30	30A	--	P2-14
28	Icemaker	230V	2	18.5	30A	--	P2-6/8
B2	Draft Beer Cooler (x2)	120V	1	2.8	15A	5-15P	P2-18, P3-8
B6	Blender Station	120V	1	15	20A	--	P2-20
H1	Kitchen Lighting and Controls	120V	1	10	15A	--	P1-37, P1-38

Notes:
Equipment schedule based on information received prior to construction. Any differences between schedule and equipment on site should be coordinated with Owner and Electrical Engineer prior to rough-in.
-- Indicates hardwired connection.





1 First Floor
1/4" = 1'-0"

FIRE ALARM LEGEND

- Ⓟ MANUAL PULL STATION
- ⊗ STROBE - CEILING MOUNT
- ⊗ SPEAKER STROBE - CEILING MOUNT
- ⊗ SPEAKER STROBE - WALL MOUNT
- WALL SPEAKER
- IM INPUT MODULE
- S SMOKE DETECTOR
- SD DUCT SMOKE DETECTOR
- T TAMPER SWITCH
- WF WATER FLOW SWITCH
- FIRE ALARM PANEL



General Notes

1. ALL WORK SHALL COMPLY WITH 2023 FLORIDA BUILDING CODE
2. ALL WORK SHALL COMPLY WITH 2020 NFPA 70
3. WORK ON THIS SHEET INCLUDES COMPLETION OF DESIGN AND PROVIDING A COMPLETE FIRE ALARM SYSTEM IN ACCORDANCE WITH 2017 NFPA 70, 2016 NFPA 72, AND THE 2020 FLORIDA FIRE PREVENTION CODE - 8TH EDITION.
4. PROVIDE WIRING, RACEWAYS, PULL BOXES, TERMINAL CABINETS, OUTLET AND MOUNTING BOXES, CONTROL EQUIPMENT, ALARM AND SUPERVISORY SIGNAL INITIATING DEVICES, SUPERVISORY STATION INTERFACE EQUIPMENT, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. PROVIDE SYSTEM COMPLETE AND READY FOR OPERATION.
5. SYSTEM LAYOUT SHOWS THE INTENT OF COVERAGE WITH DEVICES SHOWN IN SUGGESTED LOCATIONS. SUBMIT PLAN VIEW SHOP DRAWINGS SHOWING DEVICE LOCATIONS, TERMINAL CABINET LOCATIONS, CONDUIT ROUTING AND CIRCUIT IDENTIFICATION. FINAL QUANTITY, SYSTEM LAYOUT, AND COORDINATION ARE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE FIRE ALARM SYSTEM SHALL MONITOR ALL SPRINKLER SYSTEM ALARM, SUPERVISORY, AND TROUBLE CONDITIONS.
7. CONTRACTOR WILL BE REQUIRED TO SUBMIT A RECORD OF COMPLETION PER 2019 NFPA 72.
8. PROVIDE CONNECTION TO THE KITCHEN HOOD SUPPRESSION SYSTEM AND MONITOR IN ACCORDANCE WITH NFPA 72.

KEYED NOTES

1. KITCHEN HOOD SUPPRESSION. CONFIRM LOCATION AND CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.

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NEW FIRE ALARM
FIRST FLOOR

Project	Sheet
Date	FA-1
27 FEB 26	
Scale	1/4" = 1'

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7. CONTRACTOR WILL BE REQUIRED TO SUBMIT A RECORD OF COMPLETION PER 2019 NFPA 72.

KEYED NOTES

1. DUCT DETECTOR FOR ASSOCIATED MECH UNIT BASED ON DESIGN CFM AND THE REQUIREMENTS OF NFPA 90A. CONFIRM ACTUAL CFM OF FIELD UNIT TO VERIFY NECESSITY.

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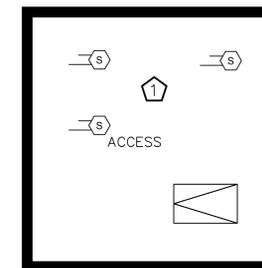
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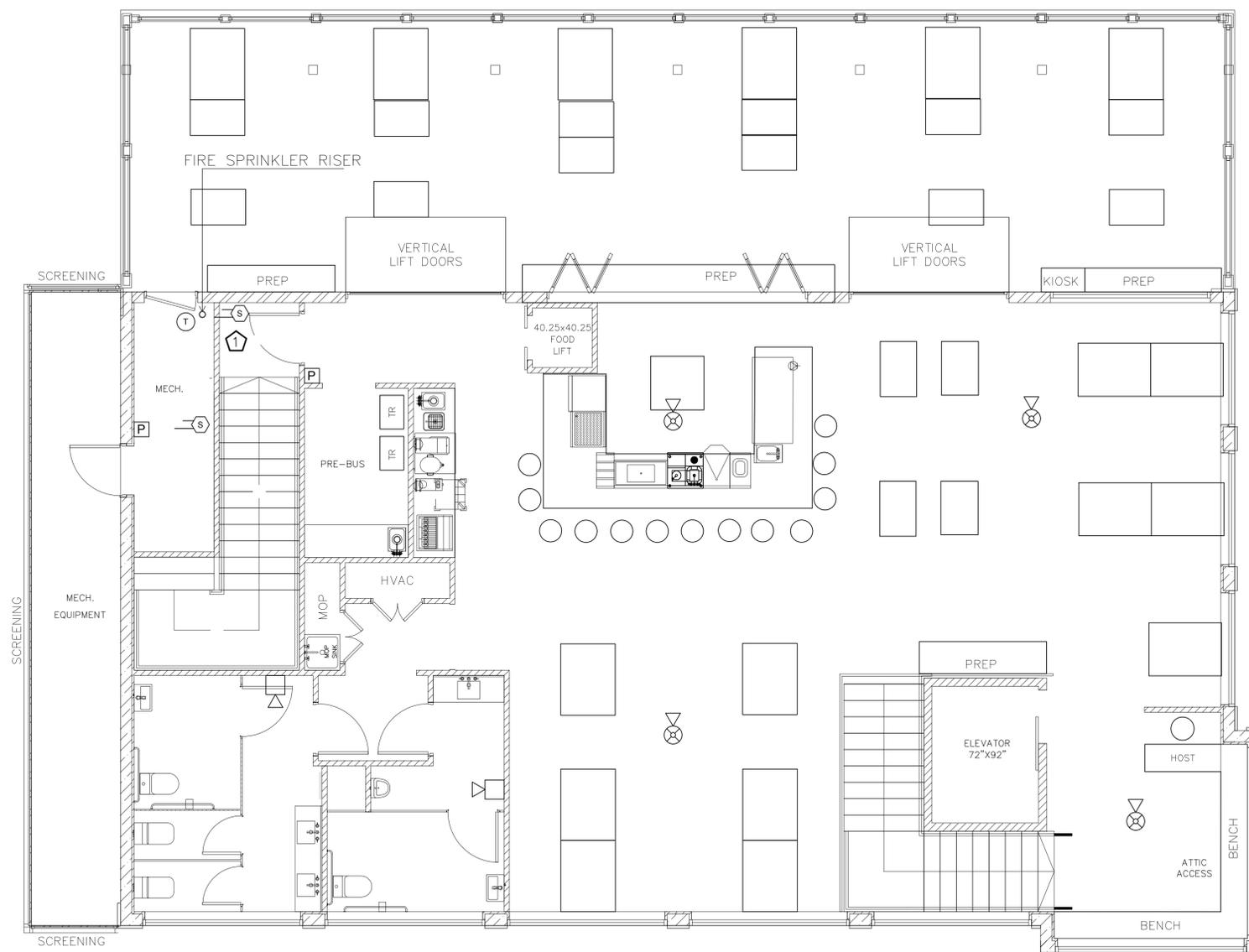
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NEW FIRE ALARM
SECOND FLOOR

Project	Sheet
Date	FA-2
27 FEB 26	
Scale	1/4" = 1'



TOWER LEVEL MECH. ROOM



1 Second Floor
 1/4" = 1'-0"

