
Hōkūala Habitat Conservation Plan Annual Report: July 1, 2021 – June 30, 2022 (FY 2022)



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July 31, 2022

Revised March 28, 2024

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Outline of the Document

In the first section of this report, we present updates on compliance with all the terms and conditions included in the HCP (Ebbin, Moser + Skaggs LLP and Rana Biological Consulting, Inc. 2009). This section includes the specific reference to each topic in the HCP for clarity. In the second section, we present detailed information and data associated with each of the topics addressed in the first section of the document.

Section 1

Introduction and Background

In 2012, the U.S. Fish and Wildlife Service (USFWS) and the Hawaii Department of Land and Natural Resources (DLNR)/Division of Forestry and Wildlife (DOFAW) approved the Habitat Conservation Plan (HCP) prepared by Kauai Lagoons LLC and issued to Kauai Lagoons an Incidental Take Permit (ITP) and Incidental Take License (ITL), respectively. The effective date of those incidental take authorizations was April 12, 2012, for the ITL and November 9, 2012, for the ITP. On January 1, 2016, the former Marriott Vacation Resort known as Kauai Lagoons was transferred to Tower Kauai Lagoons LLC and renamed Hōkūala Resort. The USFWS transferred the ITP to the new owner in December 2016. The ITL transferred to the new owner automatically as the ITL runs with the land.

Section 4.5 of the HCP requires the permit holder to produce and submit an annual HCP compliance and monitoring report to both agencies by September 30 of each year. Per a DOFAW request, annual reports will be submitted by August 1 of each year and cover the period from July 1 to the following June 30.

HCP Sections and Specific Obligations

One-Time Obligations

Nēnē Mitigation Payment (HCP Section 4.4.1.6)

Requirement: A one-time payment of \$85,000 to the DLNR Endangered Species Trust Fund. DLNR is to use these funds to control predators and/or manage Nēnē at a translocation site.

Status: Completed (May 2012)

Ongoing Obligations

Financial Assurances (Section 6.4)

Requirement: Post a bond or letter of credit (LoC) in the amount of \$153,667. Under Section 7.2 of the HCP Implementing Agreement, the bond term must be two years, and a Continuation Certificate must be sent to DLNR (and a copy to USFWS) at least six months prior to expiration of the bond or LoC.

Status: The current bond was issued July 1, 2021, for a term from July 1, 2022 through July 1, 2023. Attachment A is a copy of the invoice for this bond. Tower Lagoons Land, LLC has committed to including a line item for HCP implementation in its annual operating budget for the life of the HCP.

Training (“Endangered Species Awareness Program”) (Section 4.2.1.1)

Requirement: All new employees hired by the resort operators and any contractors conducting construction activity on the property must go through the training program as detailed in the HCP.

Status: Attachment B contains the updated training module used for the 2021-2022 season. Alan Silva trained all new employees prior to their starting at the resort. A refresher training class is also given to most employees each year.

Construction Contract Provisions (Section 4.2.1.2)

Requirement: Develop provisions and restrictions to avoid and minimize take of Covered Species and insert these Contract Provisions into all new construction contracts.

Status: New construction was initiated in January of 2016 and all construction contracts contained provisions and restrictions to avoid and minimize take of Covered Species. Construction has been ongoing throughout the reporting period and all contracts awarded since re-initiation of construction in 2016 contain the required provisions and restrictions.

Pre-Construction Surveys (Section 4.2.1.3)

Requirement: A biological monitor must survey any new mass grading areas immediately prior to mass grading.

Status: Three sites were in the process of grading during this reporting period: Ninini Townhouses, along the 15th fairway on approximately 10 acres of land; site work/foundations on approximately 5.5 acres on Lots 9c/d; and approximately 16 acres on Lot 9e. All sites are within areas that are included in the daily monitoring routine and all were inspected by the senior on-site biologist prior to onset of grading. For a more detailed description, see Section 2.

Biological Monitor (Section 4.2.1.4)

Requirement: Designate two biological monitors.

Status: The two monitors designated in the HCP (Alan Silva and Reginald David) remain the designated biological monitors.

Construction Monitor (Section 4.2.1.5)

Requirement: Use one or more construction monitors during periods of active grading or earth moving.

Status: Construction grading occurred during this reporting period (see Section 4.2.1.3). One full-time monitor and two part-time monitors (in addition to the lead biologist, Reginald David) monitored construction activities on the property during this reporting period as a daily duty. A second full-time biological monitor will be hired in FY 2024.

Fencing (Section 4.2.1.6)

Requirement: Where feasible, erect and maintain solid fencing around discrete construction areas, to prevent Covered Species from traveling into these areas.

Status: Prior to the onset of work this past season, all grading sites were surrounded by eight-foot-high construction fencing.

Best Management Practices (Section 4.2.1.7)

Requirement: Implement the specific BMPs contained in Section 4.2.1.7 (e.g., speed limits, signage, trash receptacles).

Status: In compliance.

Roadways (Section 4.2.2.1)

Requirement: Post permanent speed limit and Covered Species warning signs, and speed bumps as necessary.

Status: Done – in compliance.

Lighting (Section 4.2.2.2)

Requirement: Ensure that lighting associated with construction of new structures is bird friendly; as new buildings near completion, a qualified biologist is to inspect lighting after dark to ensure light attraction has been minimized to the maximum extent practicable; analyze onsite seabird fallout monitoring data on an ongoing basis to determine if particular areas within the resort attract downed birds on a regular basis, and if so then take steps to redesign, reconfigure, or eliminate sources of presumed attracting light.

Status: In compliance.

By October 2018, the new Timbers Kauai Ocean Club & Residences complex was finished and opened (Cover image, and Figure 1). During the design phase of the project, a seabird biologist consulted with the electrical and lighting engineers and designers to ensure that lighting associated with the facilities were fully Dark Sky Compliant and as bird friendly as possible. For example, prior to seabird fallout season, the biological monitor sends a notice of the upcoming season to all managers and reminds the facility manager that all outdoor lights are programmed to dim during seabird fallout season. Prior to the opening of the new facility in October 2018, the biologist conducted a night-time audit of the property, which identified a small number of lights that could be improved (e.g., angled more downward). Those improvements and/or modifications were completed prior to the 2018 seabird fallout season.

Attachment C includes the Timbers Kauai Ocean Club & Residences outdoor lighting plan for Building A, Building B, Hōkūala Pool Bar, and Ritz-Carlton Residence Townhomes that was constructed.

A lighting audit was conducted in FY 2024 and necessary changes will be made prior to the 2024 seabird fallout season.



Figure 1 – Timbers Kauai Ocean Club & Residences

Grounds Management and Maintenance (Section 4.2.2.3)

Requirement: Grounds management crews must go through the training described in Section 4.2.1.1 and must coordinate with the biological monitors as needed.

Status: All employees have received training and communicate effectively and proactively with the biological monitors over potential issues with endangered avian species.

Rules, Education for Resort Owners and Renters (Section 4.2.2.4)

Requirement: Covenants, Conditions and Restrictions (CC&Rs) will address issues such as trash receptacles, trash disposal, landscape design, etc. Endangered species information and education tools will be developed to educate owners and visitors regarding endangered species issues, restrictions, and special seasonal protocols.

Status: In compliance. Additionally, during this reporting period, the HCP staff started leading bird and farm tours on the Resort for guests and visitors. A brochure and check-list is given to tour participants regarding the birds and organic farm (Attachment D). This brochure and check-list will be revised in the future to reflect a unified outreach and property brand and message.

Golf Operations (Section 4.2.2.5)

Requirement: Golf course starters and marshals must attend additional training from the Biological Monitors in addition to the standard training described in 4.2.1.1, Morning briefings for golf course personnel will include updates on Covered Species presence. The starter will inform each golfer about the potential presence of Covered Species and appropriate precautions to take. An educational kiosk will be established at the starter location and all golf carts will contain a placard replicating information from the kiosk, Warning signs will be posted if a Covered Species establishes a nest within the golf course and the golf course will establish a local rule for golf play to allow movement of a ball away from nest areas.

Status: Done and in compliance. The Biological Monitor provides a refresher endangered species training course to the golf course starter each year. The Biological Monitor provides updates on the presence of Covered Species to golf course personnel (manager on duty for golf operations, superintendent, and starter) every day. The manager on duty for golf operations, superintendent, and starter are responsible for daily morning briefings to inform all golf course staff of the presence of Covered Species. An educational kiosk (sign) was posted at the starter location in 2014 and each golf cart contains a placard that replicates that information. Every golf cart has a Pace Technology GPS system installed (<https://ezgo.txtsv.com/fleet/why-e-z-go/pace-technology>) that maps locations of current nests of Covered Species (and other pertinent information). The GPS system flashes a “warning” sign if the cart approaches a nest, slows the golf cart to 5 mph or less when it is near a Covered Species, and stops the cart from proceeding on a route that would approach a Covered Species (See Attachment E for more information about Pace Technology). The Biological Monitor provides information on Covered Species to the Club House as soon as the data are gathered, and Club House staff program the GPS system.

Maintenance of On-Site Nesting Areas (Section 4.4.1.2)

Requirement: Previously enhanced nesting areas shall not be maintained, and supplemental grain feeders shall not be provided on lagoon islands; limited areas of the resort grounds will be managed and maintained as determined and directed by DOFAW and USFWS.

Status: In compliance.

Emergency Response Protocol (Section 4.4.1.4)

Requirement: Implement the protocol contained in HCP, Appendix I.

Status: In compliance.

Facilitate DOFAW removal of Nēnē (Section 4.4.1.5)

Requirement: As appropriate, lend support to DOFAW efforts to capture and translocate Nēnē.

Status: In compliance. DOFAW’s Nēnē capture and translocation efforts ended on March 20, 2016. Hōkūala continues to provide regular access and golf carts to DOFAW staff for their use in DOFAW’s Nēnē and waterbird surveys. See Section 2 regarding the initiation of the US. Department of Agriculture–Wildlife Services (USDA-WS) Nēnē hazing efforts, which utilizes border collies. The USDA-WS hazing effort started on June 24, 2019, and has continued since.

Predator Control (Section 4.4.2)

Requirement: Deploy ten live traps during the period September 15 to March 15 in areas of the property frequented by waterbird Covered Species. Check live traps every 48 hours and deliver trapped cats to Kauai Humane Society. Deploy rodent bait stations in these same areas during this same time frame and control cattle egrets and feral chickens.

Status: Hōkūala surpassed the permit requirements during this reporting period. Predator control at Hōkūala is a year-round effort. The flexible program shifts resources in response to the presence, density, and “trapability” of predators throughout the resort. Hōkūala maintains 20 live traps used for cats, 29 live traps used for chickens, one trap used for pigs, and three traps for bullfrogs. The predator control program relies on directed trapping—traps are deployed in specific locations and at specific times of the year in response to observations of predators. All traps are checked daily.

A total of 42 cats, seven pigs, 1,528 chickens, and 27 bullfrogs were removed from the property this reporting period. For a more detailed description, see Section 2.

Seabird Mitigation Payments (Section 4.4.3; HCP Amendment of September 2013)

Requirement: Contribute \$10,000 annually to the Listed Hawaiian Seabird Conservation Account administered by the National Fish and Wildlife Foundation.

Status: A check in the amount of \$10,000 was sent to NFWF on September 15, 2022, to cover the upcoming season.

Nēnē Monitoring During Nesting Season (Section 4.5.3)

Requirement: Biological monitors to monitor Nēnē nesting activity and nesting success daily starting September 15 and ending on March 31 each year. Monitoring data to be collected includes band numbers, pair bonds, nest location, eggs laid, eggs hatched, goslings fledged, and reported mortalities. In addition, perform monthly monitoring during the remainder of the year (April through August), recording the number of Nēnē on the property and observed band numbers.

Status: In compliance; refer to Section 2 starting on page 9..

Waterbird Monitoring (Section 4.5.4)

Requirement: As part of the comprehensive Nēnē monitoring effort, the biological monitors will also record information on all observed waterbird species on a weekly basis between September 15 and March 31 each year, and monthly from April through August each year. This effort is to include observations regarding waterbird species numbers, nest locations, eggs laid, eggs hatched, chicks fledged, and reported mortalities.

Status: We have surpassed the requirement and survey on a bi-weekly basis year-round; refer to Section 2 starting on page 9.

Seabird Monitoring (Section 4.5.5)

Requirement: Hōkūala security staff will record all downed seabirds recovered on the property. Biological monitors will evaluate security staff search efficiency and carcass removal rates. Biological monitors will record results of their additional searches performed during the expected peak of the seabird fallout season.

Status: Both security personnel and the onsite biological monitors were re-trained in seabird search and handling techniques prior to the start of the 2021 fallout season. Security personnel conducted searches on an ongoing basis as part of their usual patrols of the grounds and buildings. The biological staff searched the buildings and perimeters surrounding the buildings every morning for downed seabirds during the annual fallout season from September 15 to December 15.

Incidental Take Reporting

Based on a review of records, and discussions with Hōkūala, USFWS and DOFAW have prepared a spreadsheet documenting all reported instances of downed, injured, or dead birds at Kauai Lagoons/Hōkūala since the inception of the HCP. Table 1 is a summary of the information contained in the spreadsheet pertaining to the current reporting period.

Table 1 –Take and Cause of Take July 1, 2021 – June 30, 2022.

<i>Date</i>	<i>Common Name</i>	<i>Outcome Dead or Alive</i>	<i>Indirect Take</i>
7/20/21	Hawaiian Gallinule	Vehicle hit (Dead)	Juvenile
8/12/21	Hawaiian Coot	Vehicle hit (Dead)	0.45
8/30/21	Hawaiian Coot	Golf ball (Dead)	Juvenile
8/31/21	Hawaiian Gallinule	Vehicle hit (Dead)	Juvenile
9/2/21	Hawaiian Coot	Golf ball (Dead)	-
9/7/21	Hawaiian Coot	Golf ball (Dead)	-
9/9/21	Hawaiian Coot	Golf ball (Dead)	-
10/14/21	Hawaiian Coot	Golf cart hit (Dead)	-
10/27/21	Newell’s Shearwater	Light attraction (Live)	-
11/14/21	Hawaiian Coot	Golf ball (Dead)	-
11/15/21	Hawaiian Gallinule	Golf ball (Dead)	-
12/22/21	Hawaiian Coot	Golf ball (Dead)	-
1/12/22	Hawaiian Coot	Golf ball (Dead)	-
3/15/22	Hawaiian Coot	Vehicle hit (Dead)	0.45
3/24/22	Hawaiian Gallinule	Vehicle hit (Dead)	0.65
3/29/22	Hawaiian Coot	Golf ball (Dead)	0.45
4/18/22	Hawaiian Gallinule	Golf ball (Dead)	0.65

Between July 1, 2021, and June 30, 2022, Hōkūala experienced the direct incidental take of 11 Hawaiian Coot, five Common Gallinule, and one Newell’s Shearwater (Table 1). Five of these birds were hit and killed by vehicular traffic on paved roads within the resort. One bird was killed after being hit with a golf cart on a green. Eleven birds were killed by having been hit by golf balls. A Newell’s Shearwater, which was a hatch year bird attracted by lights and was released unharmed the following day by the Save Our Shearwaters program (Table 1). We have had no non-lethal take of waterbirds since the inception of the permit—all injured birds have needed to be euthanized.

Indirect take is defined as the loss of parental care due to parent mortality during the breeding season resulting in the additional take calculated as the probability that if the adult had not been killed a potential nest would have produced the number of adults indicated. From the effective date of the state and federal take authorizations through June 30, 2022, total direct and indirect incidental take under the HCP is presented in Table 2.

Table 2 – Hōkūala Direct and Indirect Take from Permit Inception Through June 30, 2022.

<i>Species</i>	<i>Scientific Name</i>	<i>Direct Take</i>	<i>Indirect Take</i>
Hawaiian Goose (Nēnē)	<i>Branta sandvicensis</i>	3	2
Common (Hawaiian) Gallinule	<i>Gallinula galeata sandvicensis</i>	28	9.85
Hawaiian Coot	<i>Fulica alai</i>	31	4.350
Hawaiian Duck	<i>Anas wyvilliana</i>	6	1.225
Black-necked (Hawaiian) Stilt	<i>Himantopus mexicanus knudseni</i>	0	0
Newell’s Shearwater	<i>Puffinus newelli</i>	8	0
Hawaiian Petrel	<i>Pterodroma sandwichensis</i>	0	0
Band-rumped Storm-Petrel	<i>Oceanodroma castro</i>	0	0

Table 3 – Hōkūala Permitted Take Approved in the ITP and ITL Issued in 2012.

<i>Species</i>		<i>Mortality</i>	<i>Non-Lethal</i>
Hawaiian Goose (Nēnē)	<i>Branta sandvicensis</i>	17	Or Non-Lethal
Common (Hawaiian) Gallinule	<i>Gallinula galeata sandvicensis</i>	40	30
Hawaiian Coot	<i>Fulica alai</i>	110	180
Hawaiian Duck	<i>Anas wyvilliana</i>	36	Or Non-Lethal
Black-necked (Hawaiian) Stilt	<i>Himantopus mexicanus knudseni</i>	38	Or Non-Lethal
Newell’s Shearwater	<i>Puffinus newelli</i>	27	Or Non-Lethal
Hawaiian Petrel	<i>Pterodroma sandwichensis</i>	1	Or Non-Lethal
Band-rumped Storm-Petrel	<i>Oceanodroma castro</i>	<1	Or Non-Lethal

Section 2

In this section we present detailed information on the activities associated with managing the Nēnē and other waterbird species on the property, including, nesting, production, recruitment and banding, as well as predator control, mortalities, and minimization measures implemented.

Nēnē Nesting Observations

Between July 1, 2021, and June 30, 2022, the Nēnē (*Branta sandvicensis*) nesting season resulted in 26 Nēnē nests from 26 different pairs on Hōkūala property (Figures 2 and 3). The season began in mid-September. Gravid females were observed, and the first nest was located on November 19, 2021. Subsequent nests were found through February 3, 2022. Nēnē pairs were monitored daily from September through June and data were compiled into an Excel database. The monitoring data include: Nēnē pairs (bands when present), nest viability and gosling survivability, banding, avian mortalities, waterbird surveys, and predator trapping summary.

The 26 Nēnē nests (only 20 found) produced 76 eggs, of which 57 hatched for an average hatch rate of 75 percent. Of these 57 hatchlings, 45 survived to fledge, a hatchling survival rate of 79 percent (Table 4). The first pair to nest (bTpZ♂--bPKU♀) laid three eggs, all of which hatched.

Table 4– Nēnē Egg Production and Survivorship at Hōkūala July 1, 2021 – June 30, 2022.

<i>Eggs Laid</i>	<i>Eggs Hatched</i>	<i>Hatch Rate</i>	<i>Goslings Fledged</i>	<i>Hatchling Survival Rate</i>	<i>Eggs Fledged Rate</i>
76	57	75%	45	79%	59%

During the 2021-2022 nesting season, 75 percent of nests were successful in that they hatched at least one gosling (Table 5). One nest (nest 15) failed to hatch any eggs, all goslings died in one nest (nest 22-1), and four nests (nests 8, 9, 10, and 22-9) were abandoned (Table 5). Cause of abandonment of these four nests is unknown.

Failed eggs were collected, measurements taken, and viability determined by examining the contents of each egg. Five of the failed eggs were found to be infertile when examined after collection. One egg had a fully developed embryo, two eggs had a partially developed embryo, five eggs were rotten and completely black inside. One egg from the same female that lays walnut sized eggs every year was not viable, and one was crushed in the nest. An egg from the nest with the crushed egg also had an egg that went missing. Detailed info on egg fates is presented in Table 6. Details on the nests, timing, bird band numbers, and locations of the nests are detailed in Table 7. A visual representation of the nest locations is depicted in Figures 2 and 3.



Figure 2 - Nēnē Nest Sites, Islands 2 and 3, Main Lagoon - 2021-2022 Season.



Figure 3- Nēnē Nest Sites, Islands 5, 6, 7, and other locations, Main Lagoon - 2021-2022 Season.

Table 5 – Nēnē Nest and Egg Fates July 1, 2021 – June 30, 2022.

<i>Nest Fates</i>			<i>Egg Fates</i>		
		<i>Percentage</i>			<i>Percentage</i>
Hatched	19	73.1%	Hatched	57	75.0%
Abandoned	4	15.4%	Abandoned	0	--
Disappeared	0	--	Disappeared	1	1.3%
Predated	0	--	Predated	0	--
Smashed	0	--	Smashed	1	1.3%
Failed to Hatch	3	11.5%	Failed to Hatch	17	18.4%
Total Nests	26	100%	Total Eggs	76	100%

Table 6 – Un-hatched Nēnē Eggs Fates July 1, 2021 – June 30, 2022.

<i>Nest #</i>	<i>Pair</i>	<i># Un-hatched eggs</i>	<i>Length (mm)</i>	<i>Width (mm)</i>	<i>Weight (g)</i>	<i>Diagnosis</i>
22-08	♂JEN-♀NXA	2	86.35mm	54.68mm	119g	Partially developed
			85.04mm	57.25mm	135g	Partially developed
22-09	♂Unb-♀y944	3	77.25mm	55.49mm	60.g	Infertile, yellow
			75.81mm	44.70mm	87.g	Rotten, all black inside
			85.60mm	55.81mm	122.g	Rotten, all black inside
22-10	♂Unb-♀PRT	3	85.55mm	53.88mm	104.g	Infertile, yellow
			83.70mm	54.88mm	120.g	Infertile, yellow
			80.90mm	53.87mm	105.g	Infertile, yellow
20-14	♂HJA-♀JHC	1	83.85mm	50.03mm	115g	Fully developed
20-15	♂JHE-♀RRU	3	85.47mm	54.58mm	120g	Infertile, yellow
			No data	No data	No data	Missing from nest
			No data	No data	No data	Crushed in nest
22-20	♂JEN-♀NZH	1	Missing	From Nest		Walnut sized egg
22-23	♂RTN-♀Unb	3	75.55mm	48.19mm	62g	Rotten, all black inside
			75.25mm	47.12mm	63g	Rotten, all black inside
			74.69mm	48.51mm	59g	Rotten, all black inside

Table 7 – 2021-2022 Hōkūala Nēnē Nesting Season.

<i>Date Found</i>	<i>Nest #</i>	<i>Pair ID</i>	<i>UTM</i>	<i>Eggs/hatched</i>	<i>Survey Fledged</i>	<i>Nest Location</i>
11-19-21	21-01	♂bTPZ-♀bPKU	0464230-2428434	3/3	2	Island 2, S/W corner, near pandanus plant, 1 dead gosling in nest 12-21
11-26-21	21-02	♂Fed-♀bPJZ	0465073-2428772	3/3	0	OC-12, airport side in heavy oleander bushes near fence flag
11-29-21	21-03	♂bRTN-♀bUPN	0464859-2428677	2/2	0	Island 7, top of dry waterfall, 12-29-21, No goslings-stolen by ZAE-RRZ?
12-14-21	21-04	♂bZAE-♀bRRZ	0464142-2428430	3/3	7	Off OC18 pathway, in rebar area. Now have 7 goslings 2-23-22
12-14-21	21-05	♂bHTX-♀bNXE	0464311-2428196	3/3	0	East end, island 1, in monstera. Taken by ZAE-RRZ?
12-14-21	21-06	♂bNZU-♀bJCY	0464252-2428443	3/3	0	Island 2 in pit. Taken by ZAE-RRZ?
12-14-21	21-07	♂bPAE-♀bKCY	0464218-2428420	4/4	2	Island 2, SW corner, under old bougainvillea
12-16-21	21-08	♂bJEN-♀bNXA	0464151-2428470	2/0	0	Off #18 pathway, behind cut grass pile in koa haole (abandoned nest)
12-19-21	21-09	♂Unb(m)-♀bZAJ	0464323-2428455	3/0	0	Construction trailer yard, just off path (green flag in tree) (abandoned nest)
12-20-20	21-10	♂Unb(m)-♀bRRT	0464189-2428381	3/0	0	Bougainvillea patch between 17 & 18, by clock (abandoned nest)
12-21-21	21-11	♂bTPX-♀bNZR	Deleted in error	3/3	3	Island 5, hill top, right side
12-22-21	21-12	♂bJEH-♀bKEC	0464467-2428686	3/3	3	W,B2, in naupaka under ironwood trees, far naupaka edge
12-28-21	21-13	♂bZYJ-♀bNZH	0464233-2428441	4/4	4	Island 2, near nest 1 site, 1 stolen after fledged
12-29-21	21-14	♂bHJA-♀bJHC	0465088-2428826	3/2	1	Halfway down OC12 fairway, in ditch along ap fence line in oleander-koa haole
12-29-21	21-15	♂bJHE-♀bRRU	0464700-2428505	3/0	0	Inside lower construction area along berm edge halfway to Kalanipu'u
1-6-22	22-1	♂bJHE-♀bRRU	0464700-2428505	3/0	0	Inside lower const area, along berm edge, half-way to Kalanipu'u
1-17-22	22-2	♂bHZA-♀bNXH	0464118-2428696	3/0	0	Just off OC-18 cart path near "Y All 3-gosling dead at nest
1-18-22 -FS	22-3	♂bRHE-♀bRTA	Not found	3/3	3	Seen in county yard 3/14/22, ok

Table 7 – continued.

<i>Date Found</i>	<i>Nest #</i>	<i>Pair ID</i>	<i>UTM</i>	<i>Eggs/hatched</i>	<i>Survey Fledged</i>	<i>Nest Location</i>
1-19-22 -FS	22-4	???-♀bPJY	Not found	3/3	3	Seen by Waikahi 8 pond 3/15,22, ok...no male with them
1-25-22	22-5	♂bTPX-♀bJEZ	0464442-2428750	4/4	4	Island 3, pit top, west side
1-25-22	22-6	♂bRRE-♀y944	0464867-2428709	1/0	0	Island 5, under down tree, east side. Walnut sized egg
1-25-22	22-7	♂bHRJ-♀bHRK	0464869-2428708	3/3	3	Island 7, W, waterfall top
1-22-22 -FS	22-8	♂bZAH-♀bRRK	Not found	2/2 (assumed)	1	Not found, nest in Tennis Court rebar area - 1 taken or died?
2-3-22 -FS	22-9	♂bTRN-unb (f)	0464178-2428678	3/0	0	Island 2, s/e side by electrical box, in short hau bushes
2/7/22 -FS	22-10	♂bHRN-♀b999	Not found	4/4	4	First seen in OC-8 pond
2/9/22 -FS	22-11	♂bJEX-♀bNUY	Not found	3/3	3	First seen around OC-8 pond
2/10/22 -FS	22-12	♂bHZC-♀bJEY	Not found	2/2	2	First seen at the TK pump station banana patch

In addition to the 26 pairs that nested, and their 45 surviving goslings, an additional 22 state banded Nēnē, one federal banded Nēnē, and 12± un-banded Nēnē utilized the property during this reporting period (Table 8). During the season, biologists from DOFAW with the assistance of Hōkūala biologists banded a total of 40 Nēnē, 39 of which were hatch year goslings and one was an adult. All bands (not including birds banded this season) recorded for this reporting season are presented in Table 8.

**Table 8 – Band Codes of Nēnē observed at Hōkūala 2021-2022
(does not include birds banded this season).**

bHJA♂	bJEY♀	bNZR♀	bRRU♀	bUPN♀	bZAK♀
bHRJ♂	bJEZ♀	bNZU♂	bRRZ♀	bXPU♂	bZAK♂
bHRK♀	bJHC♀	bPAE♂	bRTA♀	bXPY♂	bZAN♀
bHRN♂	bJHE♂	bPJY♀	bRTN♂	bYUP♀	bZAU♂
bHTX♂	bKCY♀	bPKU♀	bRTR♂	bYUR♀	bZNJ♂
bHZA♂	bKEC♀	bRHE♂	bTPK♂	bYUT♂	
bHZC♂	bNUY♀	bRPN♂	bTPY♂	bZAC♀	y944♀
bJCY♀	bNXA♀	bRRE♂	bTPZ♂	bZAC♀	b999♀
bJEH♂	bNXE♀	bRRK♀	bTRN♂	bZAE♂	
bJEN♂	bNXH♀	bRRP♀	bTZT♂	bZAH♂	
bJEX♂	bNZH♀	bRRT♀	bUPH♂	bZAJ♀	

The composition of birds at Hōkūala has changed significantly over the past several years because DLNR-DOFAW removed over 500 Nēnē from the property between 2011 and 2016, and a Nēnē hazing program using trained dogs to maintain the Lihue runway free of birds was implemented in 2019. Therefore, a comparison of metrics from the last ten seasons to those collected from the onset of the program is not indicative of the success or failure of implementation of the HCP. The flock of Nēnē that were present on the site prior to the removal of animals was a mature flock that consisted of all age groups of birds—some as old as 22 years. Nēnē from that flock were the dominant species on the property, and the flock controlled where and how many other waterbirds were present.

Since the removal of Nēnē, the densities of other waterbird species changed dramatically. For instance, at the start of the program there were very few Common Gallinules in and around the golf course—this species was restricted to the dense vegetation surrounding a few of the golf course ponds. After removal of Nēnē, Common Gallinule has become the second most common waterbird species on the property (Table 9). Mortality of this species was not an issue at the onset of the permit in 2012, but currently is the larger numerical issue. However, the increase in number of Common Gallinule fledglings has more than kept pace with the increase in mortality. During this season, 48 Common Gallinule fledglings were produced, and 113 were produced during the previous season.

Nēnē Hazing

On June 24, 2019, USDA-WS—acting on behalf of the Hawaii Department of Transportation, Airports Division—began a pilot project to haze Nēnē from Hōkūala using dogs, and other non-lethal methods. The purpose of the hazing program is to reduce the bird/wildlife aircraft strike hazard (BASH). This hazing plan was approved by DOFAW and USFWS. The initial one-year pilot project has been extended and enlarged with the addition of more dogs and handlers. Currently USDA-WS runs four dogs on Hōkūala. Hazing occurred the entire season addressed in this annual report.

Table 9 – Hōkūala Waterbird and Shorebird Counts, July 1, 2021 – June 30, 2022.

<i>Common Name</i>	<i>Scientific Name</i>	<i>Average</i>	<i>High</i>	<i>Low</i>
Hawaiian Goose (Nēnē)	<i>Branta sandvicensis</i>	17	81	0
Hawaiian Duck	<i>Anas wyvilliana</i>	6	28	0
Common (Hawaiian) Gallinule	<i>Gallinula galeata sandvicensis</i>	45	23	0
Hawaiian Coot	<i>Fulica alai</i>	125	198	13
Black-necked (Hawaiian) Stilt	<i>Himantopus mexicanus knudseni</i>	7	23	1
Pacific Golden-Plover	<i>Pluvialis fulva</i>	50	203	0
Ruddy Turnstone	<i>Arenaria interpres</i>	7	18	0
Wandering Tattler	<i>Tringa incana</i>	0	0	0
Black Crowned Night-Heron	<i>Nycticorax nycticorax hoactli</i>	10	22	4
Cattle Egret	<i>Bubulcus ibis</i>	152	203	59

Waterbird and Shorebird Surveys

Native waterbirds at Hōkūala include resident endemic and indigenous species and native non-breeding migratory waterfowl and shorebirds. The resident endemic waterbird species recorded on the property include all the resident endemic waterbird species found on the Island of Kaua‘i, namely Hawaiian Duck (*Anas wyvilliana*), Common (Hawaiian) Gallinule (*Gallinula galeata sandvicensis*), Hawaiian Coot (*Fulica alai*), and Black-necked (Hawaiian) Stilt (*Himantopus mexicanus knudseni*). The lone resident indigenous species is Black-crowned Night-Heron (*Nycticorax nycticorax hoactli*). Regularly recorded indigenous migratory shorebird species include Pacific Golden-Plover (*Pluvialis fulva*), Ruddy Turnstone (*Arenaria interpres*), Sanderling (*Calidris alba*), and Wandering Tattler (*Tringa incana*; none was recorded this year). A small number of uncommon and/or extralimital swans, ducks, geese, and shorebirds have been recorded on the property over the years. We did not record any extralimital species during this reporting period.

Waterbird and shorebird surveys were conducted on a bi-weekly basis and are conducted using golf carts and walking the property. The surveys record the species and adult or juvenile for each individual observed. A synopsis of the data collected over 99 separate counts conducted during this reporting period is presented in Table 9.

Waterbird Nesting

Waterbird nesting on Hōkūala had been steadily increasing over the past six years. Waterbird nesting data are collected during bi-weekly surveys, as described above; major water features surveyed are shown in Figure 4. Because nests are difficult to find in the thick vegetation, “nest” counts are based upon observations of families (families are counted only once). This season we had no Hawaiian Coot or Black-necked Stilt nests on the property (Table 10, Figures 5 - 9). During the last two reporting periods, Hawaiian Coot and Common Gallinule nested in every water feature on the property.

Table 10 – Hawaiian Waterbird Nesting at Hōkūala 2021-2022.

<i>Area</i>	<i>COGA</i>	<i>HACO</i>	<i>HADU</i>	<i>BNST</i>
Farm Mini Pond	3	0	0	0
OC-7/8 Pond	2	0	0	0
Irrigation Pond & Farm Pond	3	0	1	0
Lagoon	6	0	2	0
Mokihana 3	3	0	2	0
Total “Nests”	17	0	5	0
Fledglings Produced	48	0	29	0



Figure 4 - Hōkūala Overview of some Water Features.



Figure 5 - Farm Mini Pond Waterbird Nests, 2021-2022 Season.



Figure 6 - Lagoons and 800 Parking Lot Waterbird Nests, 2021-2022 Season.



Figure 7 – Mokihana Pond 3 Waterbird Nests, 2021-2022 Season.



Figure 8 - Irrigation and Farm Ponds Waterbird Nests, 2021-2022.



Figure 9 - Ocean Course #7/8 Pond Waterbird Nests, 2021-2022.

Take

A total of 17 listed avian take incidents were recorded on site this season. A species breakdown and totals are presented above in Table 1 (above). All carcasses were stored in a refrigerator at Hōkūāla and collected by DOFAW staff or disposed of following direction from DOFAW staff, most within less than 24 hours after the incident.

Take, over the life of the permit to date, is depicted in the following graph (Figure 10). As can be seen, the species impacted each year and the number of incidents varies on an annual basis.

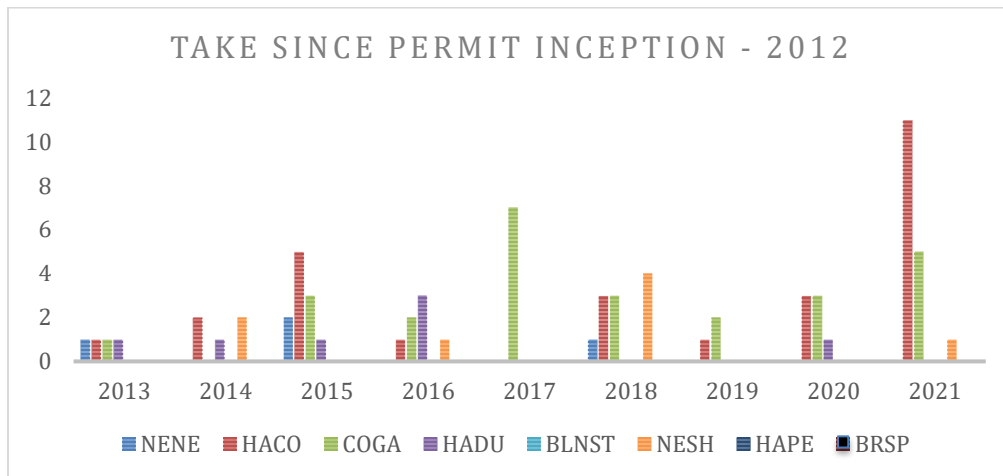


Figure 10 – Take over time by species on an annual reporting basis.

Predation

We did not observe evidence of mammalian predation events on the property during this reporting period. A daily (365 days a year) task of biological monitors is to record signs of mammalian predation events. These observations are made whenever the biological monitor is undertaking other duties (e.g., monitoring Nēnē pairs, conducting waterbird surveys). Additionally, all resort staff report observations of predators to the biological monitors who then place targeted traps in direct response to the reports.

Trapping and Predator Control Efforts

Invasive vertebrate species removal and predator trapping was successfully carried out throughout the year; as stated above, no mammal predation events occurred this year. Traps were moved away from locations with Nēnē activity during the months that the majority of Nēnē goslings were present (October to April) to prevent any trap related injuries. Intense cat trapping occurs in response to discovery of cat sign. Two of the major issues with predator control on this property are that of increasing numbers of cats abandoned on the property (likely due to the current Kaua'i Humane Societies policies on not accepting cats) and that of the over 600-acre site not fenced and traversed by a County of Kaua'i public road. Predator control effort and results for FY 2022 are presented in Table 11.

Table 11 - Trapping and Predator Removal Totals from Hōkūala July 1, 2021 – June 30, 2022.

<i>Description</i>	<i>Number of trap days/night</i>	<i>Number of predators caught</i>	<i>Efficacy</i>
Cat trapping	564	42	13%
Pig trapping	2 (+ 15 days of baiting)	5 (+ 2 additional animals shot outright)	250%
Chicken trapping	1,528	890	170%
Bullfrog trapping	133	27 (+ 355 Cane Toad)	20%

Roadways, Speed Limits, and Endangered Species Signs

The posted speed limit on the resort property is 14 MPH (Figure 11). We have a series of different endangered species signs, some of which are semi-permanent and others that are temporary and moved to different locations as needed (Table 12 and Figures 12 - 16). Additionally, there are two endangered species informational signs posted in areas that are accessed by guests and golfers using the facilities (Figure 17).

Bird locations and bird activity and densities are dynamic on this property. As circumstances change and new areas of concern are identified we move around and modify warning signs on the property. As of this writing, the resort has deployed 31 Nene crossing, slow down wildlife crossing and two in-road sandwich boards (Figures 11 through 17). During one of the upcoming the next phases of construction on the property (potentially in FY 2025) up to seven new signs will be erected that welcomes guests and owners onto an area where endangered species live. The proposed locations of the signs are shown in Figure 18. These signs will incorporate pictures of other Covered Species, including Hawaiian Coot, Hawaiian Gallinule, Hawaiian Stilt, and Hawaiian Duck.

Table 12 – Nēnē and T&E Caution Signs on Property 2020-2021.

<i>Sign Description</i>	<i>Number</i>
Yellow metal 2x2 Nēnē crossing signs	17
White Nēnē slow down signs	12
Plastic Sandwich Board caution slow down	3
Metal do not feed Nēnē signs	4
Endangered Species informational displays	2



Figure 11 – Posted Speed Limit at Hōkūala Resort.



Figure 12 – Location of cautionary signs deployed on the resort.



Figure 13 – Nēnē semi-permanent crossing sign.



Figure 14 – Portable wildlife warning and do-not-feed signs.



Figure 15 – Wildlife slow down warning signs placed every 45 feet along Holokāwelu Road.



Figure 16 – Sandwich board portable sign in the middle of Holokāwelu Road.

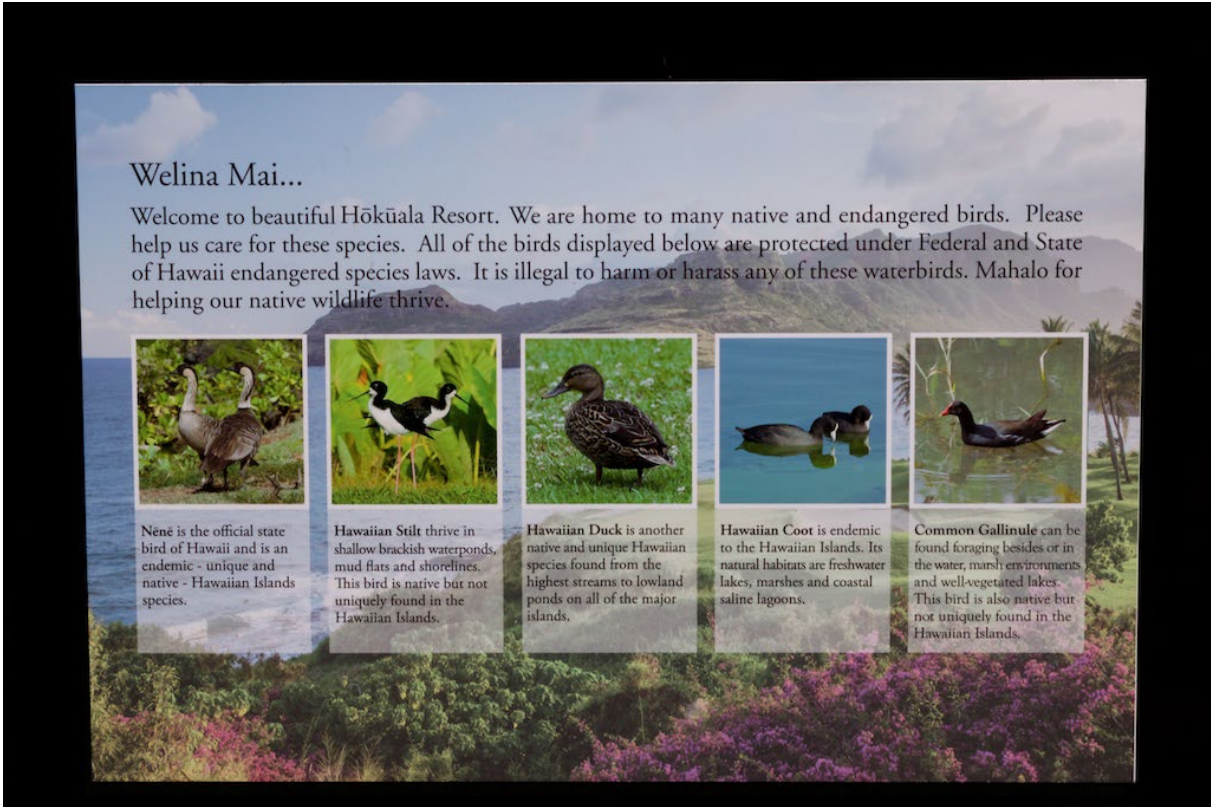


Figure 17 – Typical endangered waterbird informational sign.



Figure 18 – Location of “conservation area” signs.

Speed Bumps

There are currently five speed bumps on the roadways within the resort. Some of the new signs to be installed in FY 2024 may say something like “Caution endangered species — slow down”.

Construction Monitoring

During this reporting period, construction occurred on two sites: (1) Ninini Townhouses (also called Laola Nani Townhomes), which is part of Phase 1 of Timbers Hawaii Ocean Residences and (2) Lots 9c/d. (1) The first two pads (12 units) of Ninini Townhouses were constructed on approximately 10 acres of land between December 2022 and October 2023. Tennis and pickleball courts were also built during that time. (2) Grading was completed and footings were built for preconstruction/development work on approximately 5.5 acres on Lots 9c/d between May 2021 and September 2021. Both of these sites are within areas that are included in our daily monitoring routines, and both were inspected by our senior on-site biologist prior to the onset of grading. Each of these construction sites was visited by the biological monitor on a daily basis as a part of the regular inspection rounds.

Nēnē did not nest within either of these areas during construction. USDA-WS hazing operations included these construction areas during this time period, so nēnē basically never had the opportunity to become established in the construction areas. No other Covered Species waterbirds nested here (see Table 10 and Figs. 5 – 9).

Currently Hōkūāla has one full time monitor and two part time monitors plus the overseeing biologist. Reginald David, monitoring construction activities on the property during this reporting period. As construction moves forward a second full-time biological monitor will be hired to ensure full-time monitoring of the projects that will be in progress this coming season. We anticipate hiring a second full-time biological monitor in FY 2024.

Endangered Species Awareness Training

Endangered Species Awareness training using a Power Point presentation was given to all personnel on the site, regardless of job, company, or position. A total of 53 classes were held, which trained 263 people (Attachment F includes the attendance logs). There are three versions of the presentation that were developed for specific target audiences; hard copies of the training modules were distributed to all who attended the courses. The training course includes information on all eight listed avian species covered in our state and federal incidental take license and incidental take permit. In the training sessions the specific Covered Species protocols, and restrictions were discussed in depth, as were potential disciplinary action if the protocols and procedures are not followed. A log of all the individuals that receive training is maintained and all construction workers are required to undergo the training and display a uniquely numbered Endangered Species Awareness Training sticker on their hardhats. As an indicator of the effectiveness of the training program, no disciplinary actions were undertaken during FY 2021 – 2022. Personnel always report situations of concern to on-site construction and biological monitors.

Bird and Nature Tours

Biologists led 51 bird and nature tours of the Resort property during this reporting period, in which 235 guests and local residents participated. The driving tours are in a 6-8 passenger golf cart and routes are all on established roads (Figure 19). Guests do not get out of the cart in areas where endangered species are present and the guests are always under the supervision of the biological monitor. Guests get out of carts only at the farm. The biological monitor drives the vehicle and avoids approaching endangered species. A copy of the draft brochure (currently under review) for guests is included as Attachment D.

The tour begins and ends in the Timbers lobby, proceeds around the lagoon through the 17th and 18th holes of the golf course and stops at the club house. The tour continues along the paved roads between Bridges 1 & 2, then continues to Kalanipu'u, turning around at the old Sharkey's restaurant. The tour then backtracks to Bridge 2 & proceeds along the Lagoon path. The route of the tour continues between the 11th and 18th holes and follows along the abandoned golf course paths. A brief stop is made on the elevated bank of the Mokihana 3 pond then the tour continues onward to the Timbers Farm. The tour circles around the driving range and associated trails returns to the main Timbers lobby. The tour lasts between 1 ½ and 2 hours.



Figure 19 – Established/typical route taken for the bird and nature tours (yellow line).

Certification (Implementation Agreement, Section 8.3)

I certify that, to the best of my knowledge, after appropriate inquiries of relevant persons involved in the preparation of this report, the information submitted is true, accurate, and complete.

Reginald David
 Biological Consultant
 Rana Biological Consulting

Date July 31, 2022 (revised March 28, 2024)

Literature Cited

Ebbin, Moser + Skaggs LLP, and Rana Biological Consulting, Inc. 2009. Kaua’i Lagoons Habitat Conservation Plan. Prepared for: Kauai Lagoons, LLC & Mori Golf (Kauai), LLC.

Attachment A

Copy of FY 2022 Bond



INVOICE


Marsh USA Inc.
Marsh Risk & Insurance Services
(213) 624-5555

Page	1 of 2
Invoice Total	2,689.00 USD
Invoice No.	822261157112
Invoice Date	05/25/2022
Client No.	8222683024

Billed To: **Sarah Frayer**
Oaktree Capital Management, L.P.
333 S. Grand Avenue, 28th Floor
Los Angeles, CA 90071

Remittance Copy

Company earns and retains interest income on premium payments held by Marsh on behalf of insurers during the period between receipt of such payments from clients and the time such payments are remitted to the applicable insurer, where permitted by law.

Detach and remit this portion with your payment 

Client No.	Invoice No.	Payment Due	Invoice Total	Amount Paid
8222683024	822261157112	Immediate	2,689.00 USD	

Thank you for your prompt payment.

Please indicate Invoice Number 822261157112 on your remittance.

Additionally, for ACH or wire payments, e-mail remittance detail to: FiduciaryserviceRequest.US@marsh.com

By ACH: **Bank Name:** Bank of America
ACH Routing No: 071000039
Account Title: Marsh USA, Inc.
Account Number: 8188063091

By Wire: **Bank Name:** Bank of America
Wire Routing Number: 026009593
Account Title: Marsh USA, Inc.
Account Number: 8188063091

By Mail: Marsh USA, Inc.
P.O. Box 846112
Dallas, TX 75284-6112 USA

8222611571128 000026890076



INVOICE

Marsh USA Inc.
Marsh Risk & Insurance Services
(213) 624-5555

Page	2 of 2
Invoice Total	2,689.00 USD
Invoice No.	822261157112
Invoice Date	05/25/2022
Client No.	8222683024

Sarah Frayer
Oaktree Capital Management, L.P.
Billed To: 333 S. Grand Avenue, 28th Floor
Los Angeles, CA 90071

Surety Name	Bond No.	Effective Date	Expiration Date	Transaction Type	Description/ Type of Coverage	Item	Amount
Atlantic Specialty Ins Co	800014350	07/01/2022	07/01/2023	Original	Commercial Bond	PREMIUM	2,689.00

Invoice Comments:

Principal: Tower Kauai Lagoons Land, LLC
Obligee: State of Hawaii, Department of Land and Natural Resources
Bond Amount: \$153,667.00
Bond Type - Description: License & Permit - Kauai Lagoons Resort project on the Island of Kauai Hawaii-Kauai Lagoons Habitat
Conservation Plan-Incidental Take License (ITL)/Incidental Take permit (ITP)
Requester: Eric Cucchi

Invoice Total (Payable in Full upon Receipt)	2,689.00
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Company earns and retains interest income on premium payments held by Marsh on behalf of insurers during the period between receipt of such payments from clients and the time such payments are remitted to the applicable insurer, where permitted by law.

Attachment B

Training module used for
FY 2021 - 2022



Hōkūāla

KAUA'I

Timbers /Hōkuāla Contractor & New Hire Orientation Endangered Species Awareness Program – 2021-2022



Prepared by Reginald David

Purpose of Training

- Numerous protected bird species are present on the site
- Hōkuāla is committed to the protection of these species
- Hōkuāla has specific endangered bird protocols in place that will be followed by all Operations, Contractors, and Construction personnel
- All Operations, Contractors, and Construction personnel need to be familiar with the issues and protocols
- There are significant legal implications if any of these birds are harmed, or protocols are not followed

Regulatory Setting - Protected Species

Federal -

The Endangered Species Act of 1973, as amended (ESA)

Migratory Bird Treaty Act (MBTA)

State of Hawai'i -

Hawaii Revised Statutes (Chapter 195-D)

IT IS ILLEGAL TO:

“harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct” any species listed under any of these statutes

Outline

- **Agency and Endangered Species Program Contacts**
- **Endangered waterbird species**
- **Specific rules and restrictions in place to protect waterbird species**
- **Listed seabird species**
- **Specific rules and restrictions in place to protect seabird species**

Agency and Endangered Species Program Contacts - Who to Call

State Department Land & Natural Resources – Division of Forestry & Wildlife (DOFAW)

- Clay Chow: Division of Forestry & Wildlife: (808) 274-3440

Onsite Biologists / Monitors

- Alan Silva: (808) 651-8100 or (808) 977-0218 email: Hokualahcp@hokualakauai.com
- Diane Butler

Hōkuāla Program Coordinators

- Gary Siracusa: Director of Construction: (808) 241-6046 - Cell: (808) 639-1917
- David Nagao: Association Director: (808) 241-6045 - Cell: (808) 652-9857
- Chad Visitation Safety & Security Supervisor: Cell: (808) 375-5284

Hōkuāla Biological Consultant

- Reggie David: (808) 329-9141 Cell: (808) 937-0124, email: davidr003@hawaii.rr.com

Endangered Waterbirds at Hōkūāla

- **Hawaiian Goose - *nēnē***
- **Hawaiian Coot - *'alaeke'oke'o***
- **Common Moorhen - *alae'ula***
- **Hawaiian Duck - *koloa***
- **Hawaiian Stilt - *a'eo***

Nēnē



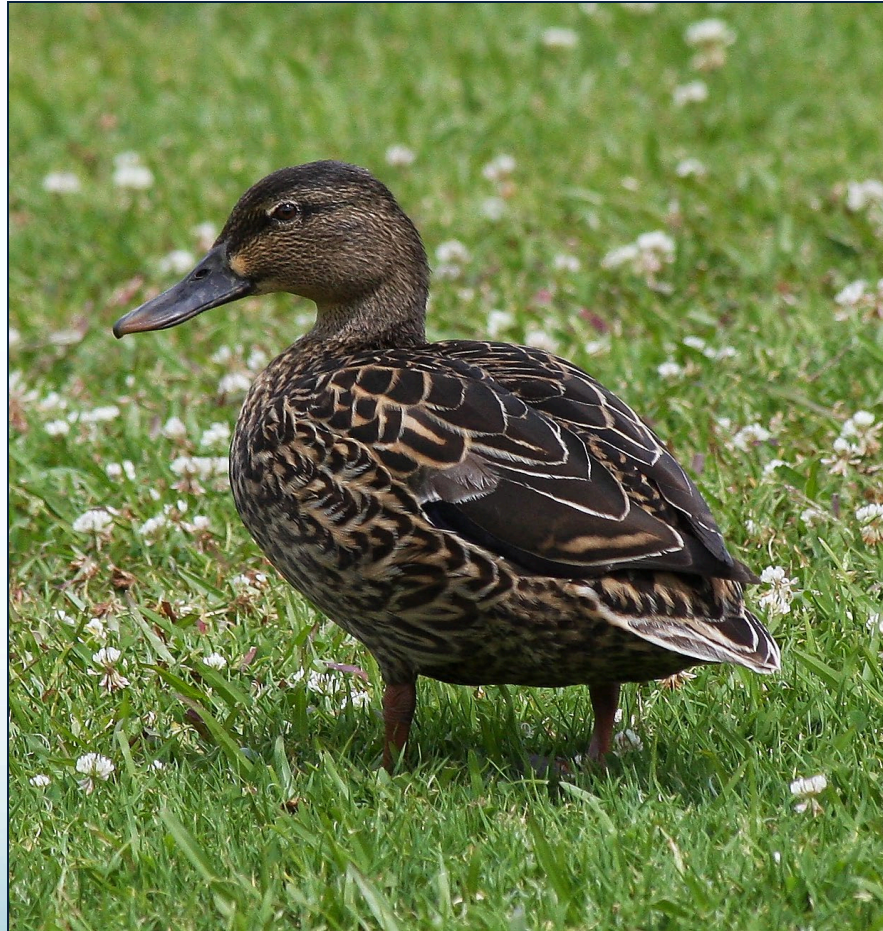
Hawaiian Coot - *'alaekē'okē'o*



Common (Hawaiian) Gallinule - *'ala'e'ula*



Hawaiian Duck - *koloa*



Black-necked Stilt - *a'eo*



Onsite Waterbird & Nēnē Monitors

- Waterbird monitors will be onsite to ensure that any and all activity does not harm Nēnē or other waterbird species
- Monitors are authorized to stop any and all activity that they deem may potentially be harmful to Nēnē and other endangered waterbird species
- Nēnē and waterbird safety takes precedent over any and all activity

Obey all directives given to you by the onsite monitors

Waterbird Special Rules

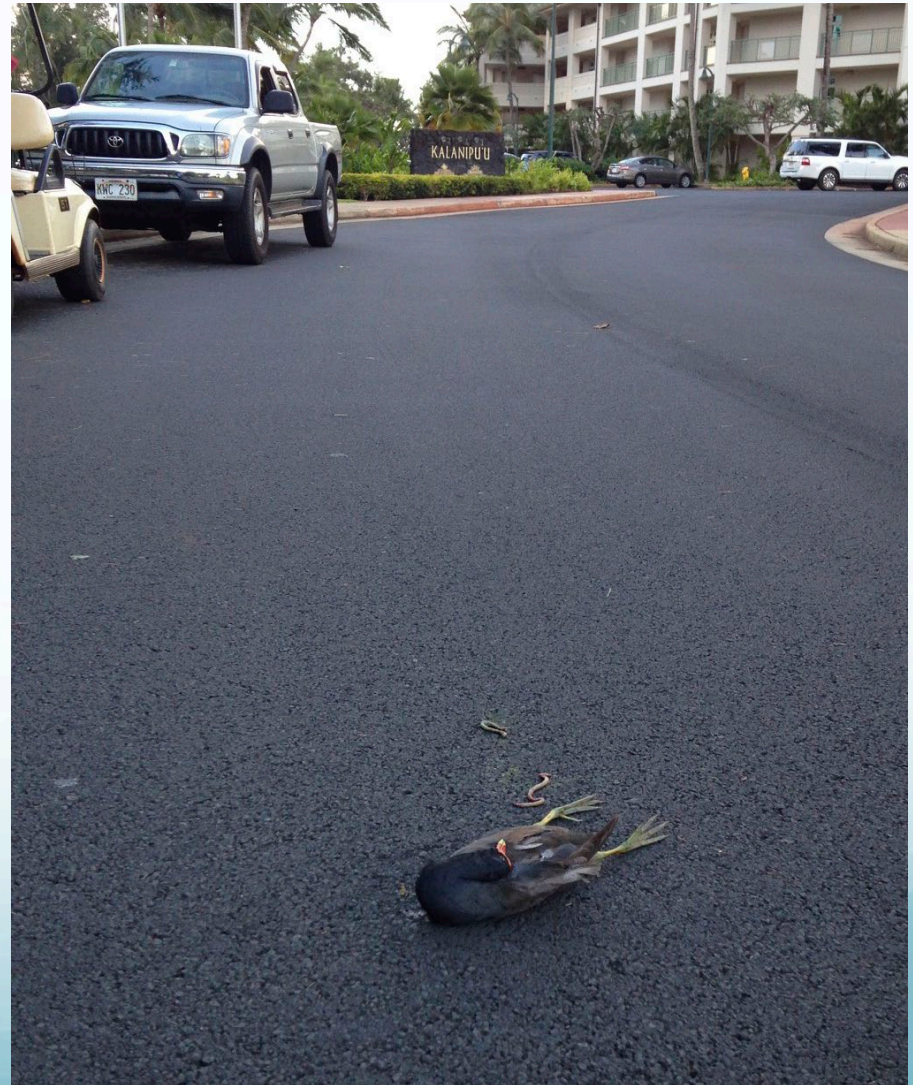
- Slow Down - Speed limit on the site is **14 mph**



Waterbird Special Rules

- Check beneath all equipment before driving machines
- No pets on the site
- Dispose of food and trash in trash cans
- Don't feed/pet/approach Nēnē or other waterbirds
- Immediately report any injured birds to the onsite monitors or your supervisor
- Feeding cats or stray dogs on property is expressly prohibited

Gallinule Issue – Holokawelu Way



Gallinule Issue – Holokawelu Way



Gallinule Issue – Holokawelu Way



Waterbird Special Rules

- Don't approach Nēnē nests



Take Home Message

- The harming of listed waterbird or seabirds may be construed as “take” under the ESA, and/or HRS 195D.
- The minimization and avoidance of “take” to the maximum extent practicable is required under both federal and State of Hawaii endangered species statutes
- Failure to do so may result in enforcement action, which may result in significant civil and criminal penalties
- Penalties include civil fines of up to \$25,000 per incident, and criminal fines of up to \$50,000, and up to one year federal imprisonment per incident
- **Non-compliance with any of the endangered species rules and protocols will result in immediate disciplinary action and a ban on working on property or job site without warning**

- Don't approach Nēnē nests



Endangered Seabird Species



Listed Seabirds Issues

- Nocturnally flying seabirds are often attracted to lights
- Fledgling birds on their way to sea for the first time are often attracted to lights and can be confused by them
- Confused birds may collide with structures, or simply land on the ground too tired to continue flying
- Once on the ground they cannot take off again and will die from starvation or be killed by predators if not rescued



Seabird Season Lighting Protocols

- **Between September 1 and December 15, no unshielded lights will be allowed within the project area**
- **The reason for the reduced lighting is to minimize the chance that seabirds will be attracted to the lights, become disoriented by them, and then land on the ground, or in a worse case scenario collide with a man-made structure**
- **Report all downed seabirds to your manager or security immediately**

Mahalo

Hōkuāla thanks you for your attention to and assistance with this program

Hōkuāla takes pride in our continued efforts to protect the natural resources on the Island of Kauaʻi

Protection of these native birds is everyone's responsibility, and is in the common interest of the Island community and future generations

If You Want More Information

- **Other questions? Please see me after the presentation**
- **Hard copies of this presentation are being distributed**

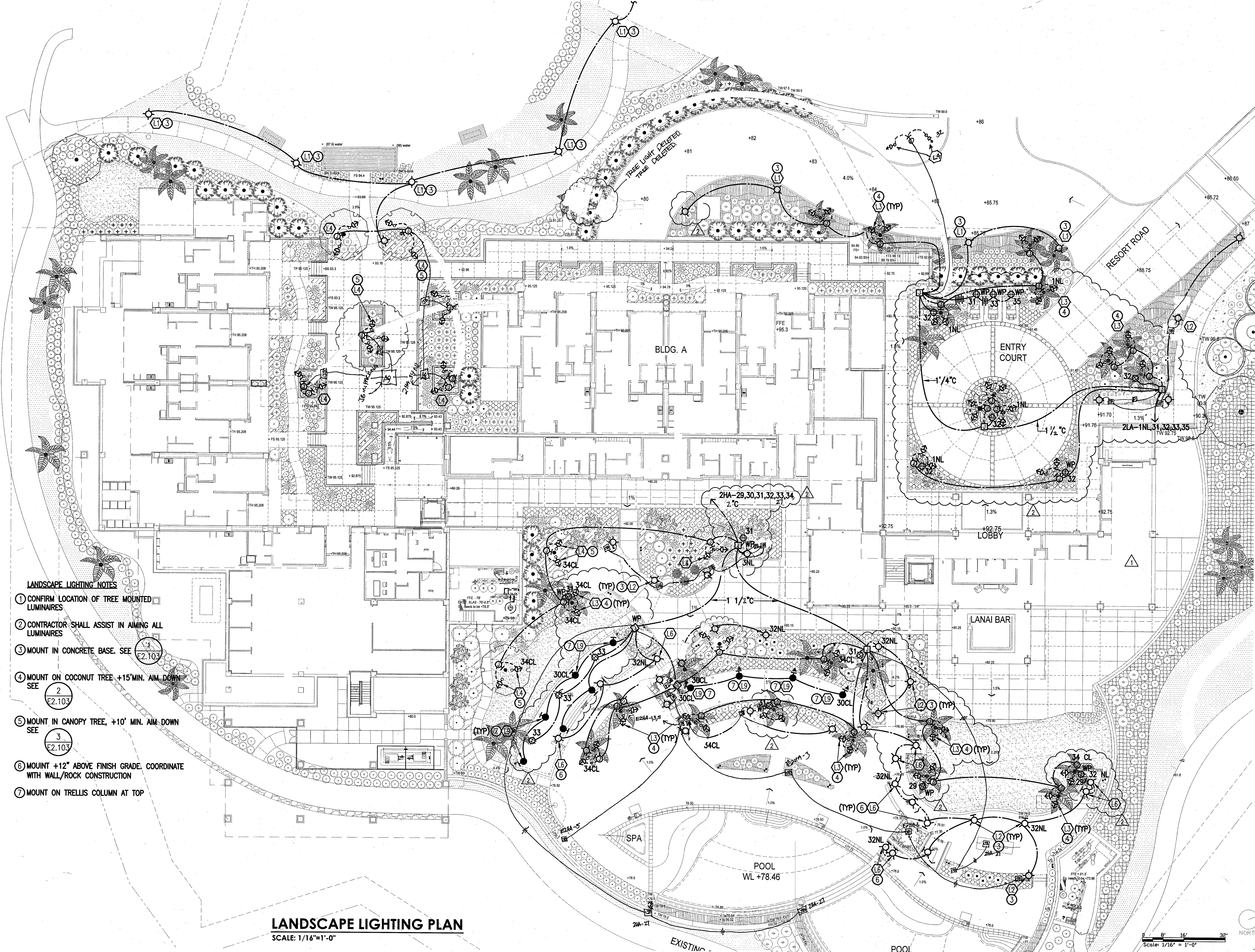
Thank You For Your Attention

Attachment C

Outdoor lighting plan installed at
Timbers Kauai Ocean Club &
Residences complex

LAGOON

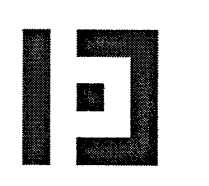
TO BLDG B PATH LIGHTS



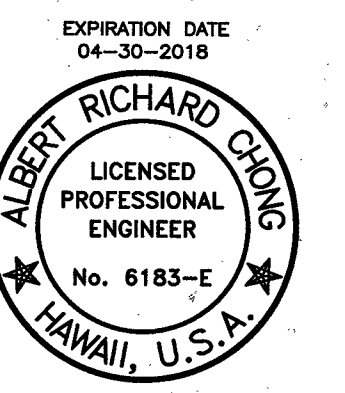
- LANDSCAPE LIGHTING NOTES**
- 1 CONFIRM LOCATION OF TREE MOUNTED LUMINAIRES
 - 2 CONTRACTOR SHALL ASSIST IN AIMING ALL LUMINAIRES
 - 3 MOUNT IN CONCRETE BASE. SEE E2.103
 - 4 MOUNT ON COCONUT TREE, +15' MIN. AIM DOWN SEE E2.103
 - 5 MOUNT IN CANOPY TREE, +10' MIN. AIM DOWN SEE E2.103
 - 6 MOUNT +12" ABOVE FINISH GRADE. COORDINATE WITH WALL/ROCK CONSTRUCTION
 - 7 MOUNT ON TRELIS COLUMN AT TOP

LANDSCAPE LIGHTING PLAN
SCALE: 1/16"=1'-0"

POSS
ARCHITECTURE/PLANNING



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Consultant



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Issue:
2016.12.02 Conformed Set
2017.03.31 Transition CD Set
▲ ASI 247 JANUARY 24, 2017
▲ ASI 369 MARCH 31, 2017

INN ON THE CLIFFS
LIHUE, KAUAI



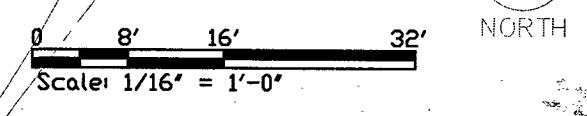
PROJECT NO: 21505.21

SHEET TITLE
LANDSCAPE LIGHTING PLAN

SCALE: AS NOTED

E2.104

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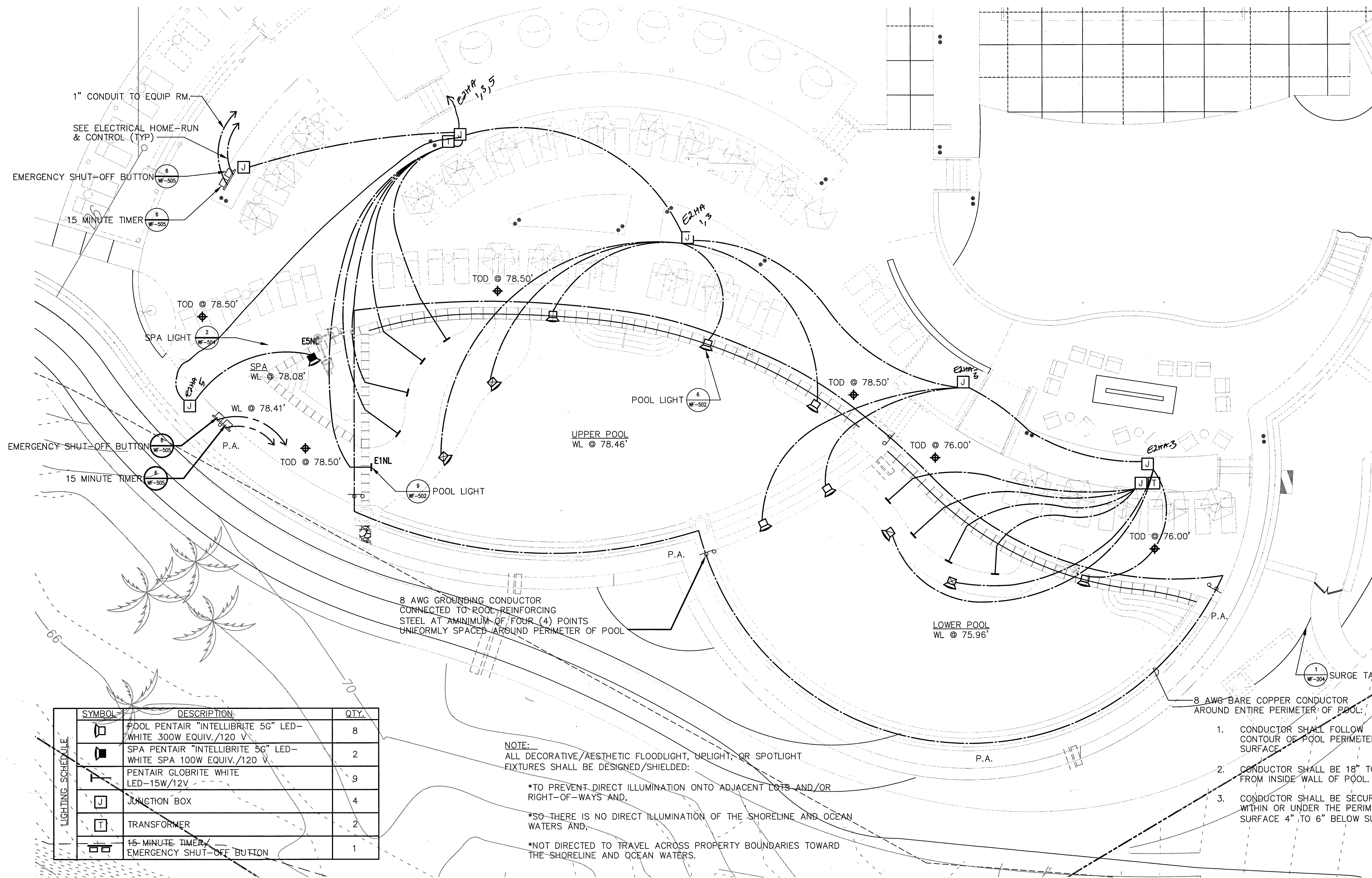




Issue:

BUILDING A

LIHUE,
KAUAI



SYMBOL	DESCRIPTION	QTY.
	POOL PENTAIR "INTELLIBRITE 5G" LED-WHITE 300W EQUIV./120 V	8
	SPA PENTAIR "INTELLIBRITE 5G" LED-WHITE SPA 100W EQUIV./120 V	2
	PENTAIR GLOBRITE WHITE LED-15W/12V	9
	JUNCTION BOX	4
	TRANSFORMER	2
	15 MINUTE TIMER/ EMERGENCY SHUT-OFF BUTTON	1

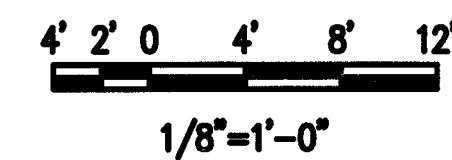
- NOTES:
- CONDUCTOR SHALL FOLLOW CONTOUR OF POOL & SPA PERIMETER SURFACE.
 - CONDUCTOR SHALL BE 18" TO 24" FROM INSIDE WALL OF POOL & SPA.
 - CONDUCTOR SHALL BE SECURED WITHIN OR UNDER THE PERIMETER SURFACE 4" TO 6" BELOW SUB-GRADE.

NOTE:
ALL DECORATIVE/AESTHETIC FLOODLIGHT, UPLIGHT, OR SPOTLIGHT FIXTURES SHALL BE DESIGNED/SHIELDED:
*TO PREVENT DIRECT ILLUMINATION ONTO ADJACENT LOTS AND/OR RIGHT-OF-WAYS AND,
*SO THERE IS NO DIRECT ILLUMINATION OF THE SHORELINE AND OCEAN WATERS AND,
*NOT DIRECTED TO TRAVEL ACROSS PROPERTY BOUNDARIES TOWARD THE SHORELINE AND OCEAN WATERS.

- 8 AWG BARE COPPER CONDUCTOR AROUND ENTIRE PERIMETER OF POOL:
- CONDUCTOR SHALL FOLLOW CONTOUR OF POOL PERIMETER SURFACE.
 - CONDUCTOR SHALL BE 18" TO 24" FROM INSIDE WALL OF POOL.
 - CONDUCTOR SHALL BE SECURED WITHIN OR UNDER THE PERIMETER SURFACE 4" TO 6" BELOW SUBGRADE.

UPPER AND LOWER SWIMMING POOL LIGHTING PLAN

SCALE: 1/8" = 1'-0"



PROJECT
21505.22

SHEET
TITLE WATER
FEATURE LIGHTING
PLAN

SCALE:--

E2.105

BOH LUMINAIRE SCHEDULE		
TYPE	LAMP	DESCRIPTION
A	14W/LED/35K	SPECTRUM LIGHTING WJ1LEDGV-14W-35K-E1-FJ1-WJ1-CP106-GB
B	22W/LED/35K	METALUX 4S/NLED-LD4-23SL-LW-UNV-CD1
C	42W/LED/35K	METALUX 4S/NLED-LD4-41SL-LW-UNV-CD1
D	17.6W/LED/35K	METALUX 4S/NLED-LD4-20SL-F-UNV-CD1-SVPD1
E	35W/LED/35K	METALUX 4S/NLED-LD4-36SL-F-UNV-L835-CD1
F	12.2W/LED/35K	HALO SLD606-8-35-WH-SLD6RAD
G	38W/LED/35K	METALUX 4V12-LD4-4-DR-W-UNV-L835-CD1-WL-SSL
H	38W/LED/35K	METALUX 4V12-LD4-4-DR-W-UNV-L835-CD1-WL-SSL
I	12.8W/LED/35K	METALUX 4S/NLED-LD4-16SL-LW-UNV-L835-CD1-SVPD1
J	3.3W/LED/30K	BEGA 2215-BRZ
K	43W/LED/35K	FOCAL POINT FARL-24-AC-4500L-35K-1C-UNV-L11-G1-WH
L	57.3W/LED/35K	METALUX 4V12-LD4-6-DR-W-UNV-L835-CD1-WL-SSL
M	22.4W/LED/35K	PORTFOLIO LD6A-15-D010TE-ERW6A15835-6LW1L1
N	36W/LED/35K	METALUX 24GR-LD4-38F1-UNV-L835-CD1
O	22W/LED/35K	METALUX 4B/CLED-LD4-20SL-F-UNV-L835-CD1
P	17.6W/LED/35K	METALUX 4S/NLED-LD4-20SL-UNV-CD1-SVPD1
Q	10.5W/LED/30K	BEGA 22372-BRZ
R	25.3W/LED/30K	BEGA 22386-BRZ
S	57.3W/LED/35K	METALUX 4V12-LD4-6-DR-W-UNV-L835-CD1-WL-SSL
T	26W/LED/35K	FOCAL POINT FARL-22-AC-2500L-35K-1C-UNV-L11-G1-WH
U	13W/LED/35K	HALO H457ATE010-EL406935-TL410SC
V	33.4W/LED/35K	METALUX 24CZLD4-40-UNV-L835-CD1
W	22.6W/LED/35K	METALUX 22CZLD4-24-UNV-L835-CD1
X	LED LAMPS	SURE LITES CX-7-1/2-70-G-W
XW	LED LAMPS	SURE LITES TPX-7-1-70-G-WH WITH TPX1VS
Y		
Z	11.3W/LED/35K	SPECTRUM LIGHTING SPC1203LEDGV-15L-35K-E-2-8200GV-SG-SM-MW

AB H457ATE010 HRP0

LANDSCAPE LUMINAIRE SCHEDULE		
TYPE	LAMP	DESCRIPTION
L1	3.4W/LED/30K	BEGA 77 276 BRONZE
L2	3W/LED/30K	BK LIGHTING BLT-18-LED-E70-MAC-A18-GS WITH REMOTE POWER SUPPLY
L3	5W/LED/30K	BEACHSIDE LIGHTING L-011-120V-5W-FL-BGS-HL2-TMJB
L4	5W/LED/30K	BEACHSIDE LIGHTING L-011-120V-5W-WFL-BGS-HL2-TDM2
L5	LED/30K	BEACHSIDE LIGHTING E8-H-2W-A-NFL-BGS-8F-TDM2-48"
L6	LED/27K	VISTA PRO 1502-GB-B-W-MV-CP
L7		NOT USED
L8	5W/LED/30K	BEACHSIDE LIGHTING L-011-120V-5W-FL-BGS-HL2-TMJB2
L9	5W/LED/30K	BEACHSIDE LIGHTING L-014-S-5W-A-NFL-HL2

TYPICAL UNIT LUMINAIRE SCHEDULE		
TYPE	LAMP	DESCRIPTION
TA	13W/LED/30K	HALO H457ATE010-EL406930-TL411WB
TB	13W/LED/30K	HALO H457ATE010-EL406930-TL409WHMW
TC	2.3W/LED/30K	EDGE LIGHTING LCSM-24V-12-AW-SA WITH PSB-100W-ELV-24VDC POWER SUPPLY
TD	13W/LED/30K	HALO H457ATE010-EL406930-TL411WB
TE	13W/LED/30K	HALO H457ATE010-EL406930-TL411WB
TF	13W/LED/30K	HALO H457ATE010-EL406930-TL411WB
TG	13W/LED/30K	LIGHTHEADED 2-180-T-01-BRO20-30-9008 WITH D4B-F-R HOUSING
TH		NOT USED
TI		POWDER SCIENCE (OFCI) ID SPEC 30-606
TJ	2.3W/LED/30K	EDGE LIGHTING LCSM-24V-XX-D-WW-SA WITH PSB-100W-ELV-24VDC POWER SUPPLY
TK	13W/LED/30K	HALO H457ATE010-EL406930-TL411WB
TL		DINING PENDANT (OFCI) ID SPEC 30-604
TL1		DINING PENDANT
TL2		DINING PENDANT
TM		LANAI SCIENCE (OFCI) ID SPEC 30-621
TN	18W/LED/30K	LIGHTWAY CCLC-14-LED-U-18W-2-W2-WSA
TO		CEILING FAN (OFCI) ID SPEC 30-629
TR		BATH 3 SCIENCE (OFCI) ID SPEC 30-626
TQ	2.3W/LED/30K	EDGE LIGHTING LC45-24-24IN-D-WW-SA WITH PSB-60W-ELV-24VDC POWER SUPPLY
TR		MASTER BATH VANITY SCIENCE (OFCI) ID SPEC 30-611
TS		STAIR SCIENCE (OFCI)
TT		STAIR PENDANT (OFCI) ID SPEC 30-623
TU		KITCHEN ISLAND PENDANT (OFCI) ID SPEC 30-605
TV		NOT USED
TW		MASTER BATH PENDANT (OFCI) ID SPEC 30-610
TX		ENTRY PENDANT (OFCI) ID SPEC 30-622
TY		BATH 3 PENDANT (OFCI) ID SPEC 30-610
TZ		POWDER PEDANT (OFCI) ID SPEC 30-610
TAA	2.9W/LED/30K	LIGHTHEADED MXS-2-T-01-BRO20-30-9008-P-120-HC TWO CIRCUIT
TAB	10W/LED/30K	LUMIERE 203-10LED-30-41-12-NBZ
TAC		EDGE LIGHTING SS3-24V-40-30K WITH SS-MCL AND PSB POWER SUPPLY
TAD	4.4W/LED/30K	TIVOLI TPL-HO-4-4-O-30-C-24 WITH MCHAN-8-LP MOUNTING CHANNEL AND INDOOR POWER SUPPLY
TAE	10W/LED/30K	LUMIERE 203-10LED-30-41-12-NBZ

PUBLIC AREAS LUMINAIRE SCHEDULE		
TYPE	LAMP	DESCRIPTION
PA	12W/LED/30K	LIGHTHEADED 2-125-T-01-WHO-BRO40-30-9008 WITH D4B-F-R HOUSING
PB	12W/LED/30K	LIGHTHEADED 2-182-T-01-BRO40-30-9008-WK WITH D4B-F-R HOUSING
PC		TYPICAL CORRIDOR SCIENCE (OFCI) ID SPEC 31-603
PD	14.1W/LED/30K	PORTFOLIO LD4A-09-D010TE-ERW4A09630-4LM111WVH
PE		ELEVATOR LOBBY PENDANT (OFCI) ID SPEC 31-600
PF		ENTRY LOBBY PENDANT (OFCI)
PG	8W/LED/30K	BEACHSIDE LIGHTING L-011-CM-8W-FL-HL2-PR
PH	8W/LED/30K	BEACHSIDE LIGHTING L-014-S-8W-NFL-HL2
PI		NOT USED
PJ	20W/LED/30K	LIGHTHEADED 2-125-T-01-WHO-BRO40-30-9014 WITH D4B-F-R HOUSING
PK		MAIN STAIR WALL SCIENCE (OFCI) ID SPEC 31-601
PL	12W/LED/30K	LIGHTHEADED 2-125-T-06-NICS-BRO40-30-9008 WITH D4B-F-R HOUSING
PM	20W/LED/30K	LIGHTHEADED 2-125-T-01-WHO-BRO40-30-9014 WITH D4B-F-R HOUSING
PN	3.8W/LED/30K	EDGE LIGHTING SS4P-24V-XX-30K WITH PSB-4X96W-010-24DC POWER SUPPLY
PO	3.8W/LED/30K	EDGE LIGHTING SS4P-24V-XX-30K WITH PSB-96W-010-24DC POWER SUPPLY
PP1	12.5W/LED/30K	COLOR KINETICS 523-000065-09 WITH MOUNTING TRACK, JUMPER CABLES
PP4	50W/LED/30K	COLOR KINETICS 523-000065-17 WITH MOUNTING TRACK, JUMPER CABLES
PQ		PRIVATE DINING PENDANT (OFCI) ID SPEC 24-600
PR	20W/LED/30K	LIGHTHEADED 2-182-T-01-BRO40-30-9014-WK WITH D4B-F-R HOUSING
PS		CLUB SCIENCE (OFCI) ID SPEC 25-602
PT	20W/LED/30K	LIGHTHEADED 2-197-T-01-BRO28-30-0-9014 WITH D4B-F-R HOUSING
PU	2.3W/LED/30K	EDGE LIGHTING LCSM-24V-XX-D-WW-SA WITH REMOTE POWER SUPPLY
PV	20W/LED/30K	LIGHTHEADED 2-197-T-01-BRO28-30-0-9014 WITH D4B-F-R HOUSING
PW	6.5W/LED/30K	BEGA 22272-BRZ
PX	LED	SURE LITES ELX-7-1/2-70-WH-G
PWX	LED	SURE LITES TPX-7-1-70-G-W
PY	LED	RESTAURANT EXTERIOR SCIENCE (OFCI) ID SPEC 24-601
PZ		ENTRY LEVEL VESTIBULE PENDANT (OFCI)
PAA		RESTAURANT RESTROOM VANITY SCIENCE (OFCI) ID SPEC 21-600
PAB		RESTAURANT COLUMN SCIENCE (OFCI) ID SPEC 24-601
PAC	2-12W/LED/30K	LIGHTHEADED MXS-2-T-04-BRO20-30-9014-P-120
PAD		MAIN LOBBY PENDANT (OFCI) ID SPEC 20-601
PAE		MAIN LOBBY EXTERIOR SCIENCE (OFCI) ID SPEC 20-603
PAF	3-12W/LED/30K	LIGHTHEADED MXS-3-T-04-BRO20-30-9014-P-120
PAG1	12.5W/LED/30K	COLOR KINETICS 523-000050-82 WITH MOUNTING TRACK, JUMPER CABLES
PAG4	50W/LED/30K	COLOR KINETICS 523-000050-63 WITH MOUNTING TRACK, JUMPER CABLES
PAH	20W/LED/30K	LIGHTHEADED 2-125-T-01-WHO-BRO40-30-9014 WITH D4B-F-R HOUSING
PAI		POOL LEVEL EXTERIOR SCIENCE (OFCI) ID SPEC 24-601
PAJ		PUBLIC LOCKER ROOM PENDANT (OFCI) ID SPEC 27-601
PAK		PUBLIC LOCKER ROOM VANITY SCIENCE (OFCI) ID SPEC 27-600
PAL		ELEVATOR LOBBY SCIENCE (OFCI) ID SPEC 31-601
PAM	12W/LED/30K	LIGHTHEADED 2-125-T-06-NICS-BRO28-30-9008-SL WITH D4B-F-R HOUSING
PAN		RESTAURANT RESTROOM PENDANT (OFCI) ID SPEC 21-601
PAO		MAIN LOBBY COLUMN EXTERIOR SCIENCE (OFCI) ID SPEC 20-600
PAP		LOBBY RESTROOM VANITY SCIENCE (OFCI) ID SPEC 21-600
PAQ		MAIN LOBBY COLUMN INTERIOR SCIENCE (OFCI) ID SPEC 20-600
PAR		LOBBY RESTROOM PENDANT (OFCI) ID SPEC 21-601
PAS		PORTE COCHERE COLUMN SCIENCE (OFCI) ID SPEC 24-603
EPA	1-PLT18/30K	PORTFOLIO C6142-E-EM-6151S
EPE	1-PLT18/30K	PORTFOLIO C4018-E-EM-4051S
EPJ	2-F50B/30K	FOCAL POINT FEQ-22-B-2-BX60-E-277-G-WP-EM-VH
EPK	1-PLT32/30K	PORTFOLIO C6142-E-EM-6151S

NOTES:
1. VERIFY ALL VOLTAGES BEFORE ORDERING
2. VERIFY CEILING TYPES BEFORE ORDERING
3. PAINT ALL NON SELF FLANGED TYPE TRIMS TO MATCH CEILING FINISH

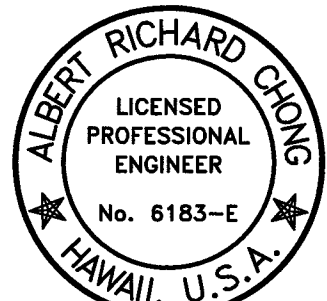
DIMMER PANEL L						
CKT NO.	TYPE	RATING	PRESET	DESCRIPTION	LOAD	EMERG CKT
1	LED	2.4 KW	PL	LOBBY - LIGHT COVE	1.2	X
2	LED	2.4 KW	PL	LOBBY - LIGHT COVE	1.0	
3	LED	2.4 KW	PL	LOBBY - STAIR WALL GRAZE	0.6	X
4	LED	2.4 KW	PL	LOBBY - MAIN PENDANT	1.0	
5	LED	2.4 KW	PL	LOBBY - RECEPTION DESKS	0.1	
6	LED	2.4 KW	PL	LOBBY - STAIR TOP LANDINGS	0.1	X
7	LED	2.4 KW	PL	LOBBY - ELEVATOR LANDING	0.2	X
8	LED	2.4 KW	PL	LOBBY - VESTIBULE	0.1	
9	LED	2.4 KW	PL	LOBBY - RECEPTION BACK WALL GRAZE	0.1	
10	LED	2.4 KW	PL	LOBBY - RECEPTION BACK COUNTER	0.1	
11	LED	2.4 KW	PL	LOBBY - CORRIDOR	0.2	X
12	LED	2.4 KW	PL	LOBBY - MAIN COLUMN SCIENCE	1.2	X
13	LED	2.4 KW	PL	PORTE COCHERE - LIGHT COVE	0.6	X
14	LED	2.4 KW	PL	PORTE COCHERE - WALL GRAZE	1.0	
15	LED	2.4 KW	PL	PORTE COCHERE - TRELIS DOWNLIGHT	0.2	
16	LED	2.4 KW	PL	PORTE COCHERE - TRELIS & ENTRY COLUMN DOWNLIGHT	1.0	X
17	LED	2.4 KW	PL	PORTE COCHERE - SCENCES	1.0	
18	LED	2.4 KW	PL	LANAI - SCIENCE	1.0	
19	LED	2.4 KW	PL	LANAI DOWNLIGHT		
20	LED	2.4 KW	PL	SPACE		
21				SPACE		
22				SPACE		
23				SPACE		
24				SPACE		
TOTAL					10.7	

DIMMER PANEL R						
CKT NO.	TYPE	RATING	PRESET	DESCRIPTION	LOAD	EMERG CKT
1	LED	2.4 KW	PC	CLUB PERIMETER DOWNLIGHT	0.2	X
2	LED	2.4 KW	PC	CLUB WALLWASH	0.2	
3	LED	2.4 KW	PC	CLUB LIGHT COVE	0.6	
4	LED	2.4 KW	PC	CLUB DOWNLIGHT	0.5	
5	LED	2.4 KW	PC	CLUB CABINETS	0.4	
6	LED	2.4 KW	PC	CLUB COUNTER	0.2	
7	LED	2.4 KW	PR	BAR - BACK BAR	0.1	
8	LED	2.4 KW	PR	BAR - COUNTER	0.2	X
9	LED	2.4 KW	PR	BAR - BACK BAR DISPLAY	0.2	
10	LED	2.4 KW	PR	BAR - LIGHT COVE	0.8	
11	LED	2.4 KW	PR	RESTAURANT - ENTRY DOWNLIGHT	0.2	X
12	LED	2.4 KW	PR	RESTAURANT - SERVICE VESTIBULE	0.1	X
13	LED	2.4 KW	PR	RESTAURANT - ENTRY WALL GRAZING	0.2	
14	LED	2.4 KW	PR	RESTAURANT - LIGHT COVE	1.5	X
15	LED	2.4 KW	PR	RESTAURANT - CANOES INDIRECT	1.2	X
16	LED	2.4 KW	PR	RESTAURANT - SCENCES	1.0	
17	LED	2.4 KW	PR	SPACE	1.0	
18	LED	2.4 KW	PR	SPACE	0.2	
19	LED	2.4 KW	PR	PRIVATE DINING - LIGHT COVE	0.7	X
20	LED	2.4 KW	PR	PRIVATE DINING - PENDANT	0.4	
21	LED	2.4 KW	PR	RESTAURANT & POOL BAR COLUMN LIGHTS		X
22	LED	2.4 KW	PR	PRIVATE DINING - CABINET ACCENT	0.5	
23	LED	2.4 KW	PR	PRIVATE DINING - COUNTER TOP ACCENT	0.3	
24	NON-DIM	2.4 KW	PR	CLUB - FLOOR LAMP	0.2	X
TOTAL					10.90	



605 EAST MAIN STREET
ASPEN, COLORADO 81611
{ F } 970/925 4750
{ F } 970/920 2950
Consultant

EXPIRATION DATE
04-30-2018



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND THE CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Issue:

2016.12.02 Conformed Set
2017.03.31 Transition CD Set
ASI 247 JANUARY 24, 2017
ASI 369 MARCH 31, 2017

INN ON THE CLIFFS
LIHUE, KAUAI



PROJECT NO: 21505.21

SHEET TITLE

LUMINAIRE AND DIMMER SCHEDULES

SCALE: AS NOTED

E2.601

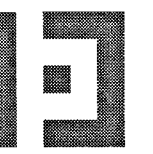
PANEL TA		120 / 208V	SINGLE PHASE 3 WSN	200A LUGS ONLY	
BREAKER I.C. 10,000A					
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL	
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A**	LIGHTS - 1ST FLOOR	1.0		12
2	1P20A**	LIGHTS - 2ND FLOOR	1.0		12
3	1P20A*	RECEP - LIVING		1.4	12
4	1P20A*	RECEP - DINING		1.2	12
5	1P20A*	RECEP - MASTER	1.8		12
6	1P20A*	RECEP - GUEST MASTER	1.8		12
7	1P20A*	RECEP - BEDROOM 3		1.8	12
8	1P20A	RECEP - MASTER BATH		0.6	12
9	1P20A	RECEP - GUEST ROOM MASTER BATH	0.6		12
10	1P20A	RECEP - BATH 3, POWDER	0.6		12
11	1P20A	RECEP - LAUNDRY		0.2	12
12	1P20A	SPARE			
13	1P20A	RECEP - KITCHEN COUNTER	0.4		12
14	1P20A	RECEP - KITCHEN COUNTER	0.4		12
15	1P20A	RECEP - KITCHEN COUNTER		0.4	12
16	1P20A	RECEP - KITCHEN REFRIG		1.2	12
17	1P20A	RECEP - KITCHEN MICRO	1.2		12
18	1P20A	RECEP - KITCHEN WINE	1.0		12
19	1P20A	RECEP - KITCHEN DISHWASHER		1.2	12
20	1P20A	DISPOSAL		1.2	12
21	1P20A	RECEP - KITCHEN GAS RANGE PILOT	0.2		12
22	1P20A	RECEP - WASHER	1.2		12
23,25	2P30A	RECEP - OVEN			10
24,26	2P30A	RECEP - DRYER	2.5	2.5	10
27	1P	PFB			
28	1P	PFB			
29,31	2P30A	WASC - 5	2.1	2.1	10
30,32	2P40A	WSAC - 6	2.6	2.6	8
33	1P	PFB			
34	1P	PFB			
35	1P	PFB			
36	1P	PFB			
37	1P	PFB			
38	1P	PFB			
39	1P	PFB			
40	1P	PFB			
NOTES:					
1. * ARC FAULT BREAKER					
2. ** CHANGE TO 20A					
TOTALS			18.4	16.4	

PANEL TB		120 / 208V	SINGLE PHASE 3 WSN	200A LUGS ONLY	
BREAKER I.C. 10,000A					
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL	
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A**	LIGHTS	1.0		12
2	1P20A**	LIGHTS	1.0		12
3	1P20A*	RECEP - LIVING		1.4	12
4	1P20A*	RECEP - DINING		1.0	12
5	1P20A*	RECEP - MASTER	1.8		12
6	1P20A*	RECEP - GUEST MASTER	1.6		12
7	1P20A*	RECEP - BEDROOM 3		1.6	12
8	1P20A	RECEP - MASTER BATH		0.6	12
9	1P20A	RECEP - GUEST ROOM MASTER BATH	0.6		12
10	1P20A	RECEP - BATH 3, POWDER	0.6		12
11	1P20A	RECEP - LAUNDRY		0.2	12
12	1P20A	SPARE			
13	1P20A	RECEP - KITCHEN COUNTER	0.4		12
14	1P20A	RECEP - KITCHEN COUNTER	0.4		12
15	1P20A	RECEP - KITCHEN COUNTER		0.4	12
16	1P20A	RECEP - KITCHEN REFRIG		1.2	12
17	1P20A	RECEP - KITCHEN MICRO	1.2		12
18	1P20A	RECEP - KITCHEN WINE	1.0		12
19	1P20A	RECEP - KITCHEN DISHWASHER		1.2	12
20	1P20A	DISPOSAL		1.2	12
21	1P20A	RECEP - KITCHEN GAS RANGE PILOT	0.2		12
22	1P20A	RECEP - WASHER	1.2		12
23,25	2P30A	RECEP - OVEN			10
24,26	2P30A	RECEP - DRYER	2.5	2.5	10
27	1P20A	RECEP - KITCHEN ICE MAKER		1.0	12
28	1P20A	SHADES			
29,31	2P20A	WASC - 2	0.9	0.9	12
30,32	2P20A	WSAC - 3	1.3	1.3	12
33,35	2P40A	WSAC - 7	3.1	3.1	8
			1.3	1.3	12
37	1P	PFB			
38	1P	PFB			
39	1P	PFB			
40	1P	PFB			
NOTES:					
1. * ARC FAULT BREAKER					
2. ** CHANGE TO 20A					
TOTALS			20.1	18.9	

PANEL TC		120 / 208V	SINGLE PHASE 3 WSN	200A LUGS ONLY	
BREAKER I.C. 10,000A					
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL	
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A**	LIGHTS	1.5		12
2	1P20A**	LIGHTS	1.5		12
3	1P20A*	RECEP - LIVING		1.6	12
4	1P20A*	RECEP - DINING		1.0	12
5	1P20A*	RECEP - MASTER	1.6		12
6	1P20A*	RECEP - GUEST MASTER	1.8		12
7	1P20A*	RECEP - BEDROOM 3		1.8	12
8	1P20A*	RECEP - DEN, HALLWAY		1.6	12
9	1P20A	RECEP - MASTER BATH	0.6		12
10	1P20A	RECEP - GUEST MASTER BATH	0.6		12
11	1P20A	RECEP - BATH 3, POWDER		0.6	12
12	1P20A	RECEP - LAUNDRY		0.2	12
13	1P20A	SHADES			
14	1P20A	RECEP - KITCHEN COUNTER	0.4		12
15	1P20A	RECEP - KITCHEN COUNTER		0.4	12
16	1P20A	RECEP - KITCHEN COUNTER		0.4	12
17	1P20A	RECEP - KITCHEN REFRIG	1.2		12
18	1P20A	RECEP - KITCHEN MICRO	1.2		12
19	1P20A	RECEP - KITCHEN WINE		1.0	12
20	1P20A	RECEP - KITCHEN DISHWASHER		1.2	12
21	1P20A	DISPOSAL	0.2		12
22	1P20A	RECEP - KITCHEN GAS RANGE PILOT	1.2		12
23	1P20A	RECEP - WASHER		1.2	12
24	1P20A	RECEP - KITCHEN ICE MAKER		1.0	12
25,27	2P30A	RECEP - OVEN			10
26,28	2P30A	RECEP - DRYER	2.5	2.5	10
29,31	2P30A	WASC - 3	1.9	1.9	10
30,32	2P20A	WSAC - 4	1.3	1.3	12
33,35	2P40A	WSAC - 7	2.6	2.6	8
34	1P20A	TUB**	1.0		12
36	1P	PFB			
37	1P	PFB			
38	1P	PFB			
39	1P	PFB			
40	1P	PFB			
NOTES:					
1. * ARC FAULT BREAKER					
2. ** GFI BREAKER					
TOTALS			21.1	20.3	
3. *** CHANGE TO 20A					

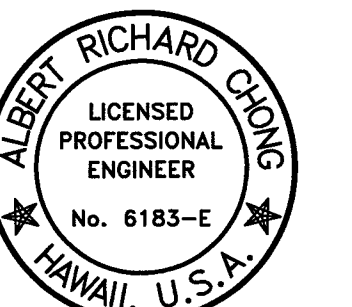
PANEL E2K		208 / 120V	3 PHASE 4 WSN		
100A LUGS ONLY		BREAKER I.C. 10,000A			
INDUSTRIAL BOLTED		FLUSH			
CKT NO.	BREAKER	LOAD	KVA		
			PHASE A	PHASE B	PHASE C
1	1P20A	RECEP - POS SYSTEM (E124)	1.9		12
3	1P20A	RECEP - U/C REFRIG (E85)		0.2	12
2, 4, 6	3P 15A	JB - WALK IN FREEZER (E1)			12
5	1P20A*	RECEP - REACH IN FREEZER (E27)		0.7	12
7	1P20A*	RECEP - REACH IN REFRIG (E28)	0.7		12
8, 10, 11	3P 15A	JB - WALK IN COOLER (E1)			12
9	1P20A	RECEP - PIZZA PREP REFRIG (E33)	1.0		12
11	1P20A	RECEP - PIZZA PREP REFRIG (E33)		1.0	12
13	1P20A	RECEP - PIZZA PREP REFRIG (E37)			12
14	1P20A	RECEP - POS (E125)			
15	1P20A	U/C REFRIG (E102)			
16	1P20A	WALK IN LIGHTS + DUCT HEATER			
17	1P20A	RECEP P.O.S.			
18	1P20A	SP		1.2	12
TOTALS			3.2	1.2	3.4

NOTES:
1. * SHAUNT TRIP BREAKER. INTERFACE WITH FA SYSTEM.



805 EAST MAIN STREET
ASPEN COLORADO 81611
(303) 920-9225 / 920-2950
Consultant

EXPIRATION DATE
04-30-2018



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Issue: 2016.12.02 Conformed Set
2017.03.31 Transition CD Set

INN ON THE CLIFFS
LIHUE, KAUAI



PROJECT NO: 21505.21

SHEET TITLE
PANEL SCHEDULES

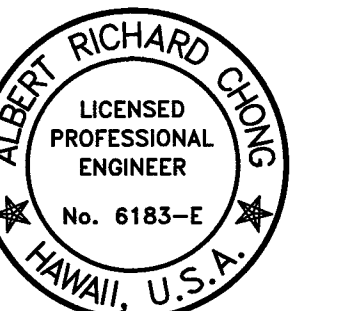
SCALE: AS NOTED

E2.602



805 EAST MAIN STREET
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Consultant

EXPIRATION DATE
04-30-2018



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WILL BE UNDER MY OBSERVATION.

Issue:
2016.12.02 Conformed Set
2017.03.31 Transition CD Set
ASI 247 JANUARY 19, 2017
ASI 369 MARCH 31, 2017

INN ON THE
CLIFFS
LIHUE,
KAUAI



PROJECT
NO: 21505.21

SHEET TITLE
PANEL SCHEDULES

SCALE: AS NOTED

E2.603

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PANEL TD 120 / 208V SINGLE PHASE 3 WSN 200A LUGS ONLY					
BREAKER I.C. 10,000A					
HALF-WIDTH BREAKERS NOT PERMITTED LOAD-CENTER WITH DOOR FLUSH ENCL					
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A*	LIGHTS - 1ST FLOOR	1.0		12
2	1P20A*	LIGHTS - 2ND FLOOR	1.0		12
3	1P20A*	RECEP - LIVING		1.4	12
4	1P20A*	RECEP - DINING		1.0	12
5	1P20A*	RECEP - MASTER	1.8		12
6	1P20A*	RECEP - BEDROOM 4	1.9		12
7	1P20A*	RECEP - GUEST MASTER		1.8	12
8	1P20A*	RECEP - BEDROOM 3		1.9	12
9	1P20A	RECEP - MASTER BATH	0.6		12
10	1P20A	RECEP - MASTER BATH 4	0.6		12
11	1P20A	RECEP - GUEST MASTER BATH		0.4	12
12	1P20A	RECEP - BATH 3, POWDER		0.6	12
13	1P20A	RECEP - LAUNDRY	0.2		12
14	1P20A	SPARE			
15	1P20A	RECEP - KITCHEN COUNTER		0.4	12
16	1P20A	RECEP - KITCHEN COUNTER		0.4	12
17	1P20A	RECEP - KITCHEN COUNTER	0.4		12
18	1P20A	RECEP - KITCHEN REFRIG	1.2		12
19	1P20A	RECEP - KITCHEN MICRO		1.2	12
20	1P20A	RECEP - KITCHEN WINE		1.0	12
21	1P20A	RECEP - KITCHEN DISHWASHER	1.2		12
22	1P20A	DISPOSAL	1.2		12
23	1P20A	RECEP - KITCHEN GAS RANGE PILOT		0.2	12
24	1P20A	RECEP - WASHER		1.2	12
25,27	2P30A	RECEP - OVEN			10
26,28	2P30A	RECEP - DRYER	2.5	2.5	10
29,31	2P30A	WASC - 5	2.1	2.1	10
30,32	2P40A	WSAC - 7	3.1	3.1	8
33	1P	PFB			
34	1P	PFB			
35	1P	PFB			
36	1P	PFB			
37	1P	PFB			
38	1P	PFB			
39	1P	PFB			
40	1P	PFB			
NOTES:					
1. * ARC FAULT BREAKER					
2. Change to 20A					
TOTALS			18.8	19.2	

PANEL 2HC 208 / 120V 3 PHASE 4 WSN 225A LUGS ONLY						
BREAKER A.I.C. 22,000 20" WIDE CABINET INDUSTRIAL-BOLTED						
COPPER BUS SURFACE ENCL						
CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	LIGHTS & RECEP - ELEV PIT	0.3			12
2	1P20A	SPARE				
3	1P20A	SPARE				
4	1P20A	SPARE				
5	1P20A	SPARE				
6	1P20A	SPARE				
7	1P20A	RECEP - ENGINEERING	0.4			12
8	1P20A	RECEP - ENGINEERING	0.4			12
9	1P20A	RECEP - ENGINEERING		0.4		12
10	1P20A	RECEP - ENGINEERING		0.2		12
11	1P20A	RECEP - ENGINEERING			0.6	12
12	1P20A	RECEP - ENGINEERING			0.4	12
13	1P20A	RECEP - POOL STORAGE, ENGINEERING	0.4			12
14	1P20A	RECEP - ACCTG, OFFICE	1.2			12
15	1P20A	RECEP - ACCTG		0.6		12
16	1P20A	RECEP - ACCTG, OFFICE		1.2		12
17	1P20A	RECEP - STORAGE			0.6	12
18	1P20A	RECEP - RESERVATION			0.6	12
19	1P20A	RECEP - OFFICE	0.6			12
20	1P20A	RECEP - RESERVATION	1.0			12
21	1P20A	RECEP - OFFICE		0.6		12
22	1P20A	RECEP - MECH RMS		0.8		12
23	1P20A	RECEP - ELEV LOBBY			0.6	12
24	1P20A	SPARE				
25	1P20A	RECEP - CART CHARGERS	1.2			12
26	1P20A	RECEP - CART CHARGERS	1.2			12
27	1P20A	RECEP - CART CHARGERS		1.2		12
28	1P20A	RECEP - CART CHARGERS		1.2		12
29	1P20A	RECEP - CART CHARGERS			1.2	12
30	1P20A	EF-6			0.1	12
31,33	2P40A	WSAC A1	3.1	3.1		8
32	1P20A	GWH - 1	0.1			12
34	1P20A	GWH - 2		0.1		12
35	2P30A	EF-10	1.9		1.9	10
36	1P20A	DDC CONTROLS - MECH ROOM.			0.5	12
37	1P	PARKING RECP. BY ENGINEERING.				
38	1P	HOT WATER REC PUMP				
39	1P	HOT WATER CR PUMP.				
40	1P	PFB				
41	1P	PFB				
42	1P	PFB				
TOTALS			11.8	9.4	6.5	

PANEL 2KA 208 / 120V 3 PHASE 4 WSN						
225A LUGS ONLY BREAKER I.C. 10,000A 2 SECTION						
20" WIDE CABINET INDUSTRIAL BOLTED FLUSH ENCL.						
CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	LIGHTS				
2	1P20A	HEAT LAMPS				
3	1P20A	FOOD WARMERS				
4	1P20A	FOOD WARMERS.				
5	1P20A	EXHAUST HOOD				
6	1P20A					
7	1P20A	RECEP - REF WORK TOP (E14)	1.1			12
8	1P25A	RECEP - BEVERAGE SYSTEM (E89)	2.4			12
9	1P20A*	JB - CONVECTION OVEN (E16)		1.4		12
10	1P20A	RECEP - TEA BREWER (E88)		1.0		12
11	1P20A*	JB - CONVECTION OVEN (E16)			1.4	12
12	1P20A	RECEP - COFFEE GRINDER (E84)			0.5	12
13	1P20A*	RECEP - REFRIGERATED BASE (E22)	1.2			12
14	1P20A	RECEP - COFFEE BREWER (E83)	1.5			12
15	1P20A	RECEP - "SPARE" (E29)		1.0		12
16,18	2P30A	RECEP - ESPRESSO MACHINE (E81)		2.4	2.4	10
17	1P20A	RECEP - ICE CREAM CABINET (E38)			0.7	12
19	1P20A	RECEP - HOT FOOD TABLE (E34)	1.9			12
20	1P25A	RECEP - DISHWASHER (E62)	2.4			12
21	1P20A	RECEP - CONV		0.4		12
22,24	2P20A	JB - ICE CUBER (E73)		1.1	1.1	12
23	1P20A	RECEP - CONV			0.4	12
25	1P20A	RECEP - CONV (C01)	1.9			12
26	1P20A	RECEP - ICE CRUSHER (E68)	0.8			12
27,29	2P20A	RECEP - MIXER (E52)		1.3	1.3	12
28	1P25A	RECEP - BAG IN BOX (E53)		2.4		12
30	1P20A	RECEP - CONV (C01)			1.9	12
31	1P20A	RECEP - CONV (C01)	1.9			12
32	1P20A	TEA BREWER (E206)	1.7			12
33	1P20A	RECEP - CONV (C01)		1.9		12
34	1P20A	JUICE DISP (E207)		0.7		12
35	1P20A	RECEP - CONV (C01)			1.9	12
36	1P20A	RECEP - BAR TV			1.0	12
37	1P20A	RECEP - HOT FOOD COUNTER (E216)	1.6			10
38	1P20A	SPARE				
39	1P20A	RECEP - COLD FOOD COUNTER (E217)		0.6		12
40,42	2P40A	SPARE		3.1	3.1	8
41	1P20A	RECEP - UTILITY SERV COUNTER (E218)			1.0	12
43	1P20A	RECEP - MIRCO (E221)	1.6			12
44	1P20A	RECEP - DISP (E205)	1.0			12
45	1P20A	RECEP - REACHIN (E222)		0.3		12
46,48	2P40A	RECEP - COFFEE BREWER (E208)		3.0	3.0	8
47	1P20A	CHEF + F+B - RECP.				12
49	1P	PFB				
50	1P	PFB				
51	1P	PFB				
52	1P	PFB				
53	1P	PFB				
54	1P	PFB				
NOTES:						
1. * SHORT TRIP BREAKER INTERFACED WITH FA SYSTEM						
TOTALS			21.0	20.6	19.7	

PANEL 2LA 208 / 120V 3 PHASE 4 WSN SURFACE
 100A LUG ONLY BREAKER A.I.C. 10,000
 20" WIDE CABINET INDUSTRIAL-BOLTED COPPER BUS

CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	LTS - LANDSCAPE	NL	1.0		10
3	1P20A	LTS - RESTROOM		0.3		12
2,4,6	3P70A	SPARE				
5	1P20A	LTS - BUSINESS CTR			0.3	12
7	1P20A	RECEP - OFFICE		1.2		12
8	1P20A	RECEP - CONCIERGE		1.2		12
9	1P20A	RECEP - OFFICE		1.2		12
10	1P20A	RECEP - MEN/WOMEN		0.4		12
11	1P20A	RECEP - OFFICE			1.0	12
12	1P20A	RECEP - BUSINESS CTR			0.4	12
13	1P20A	RECEP - SALES		0.6		12
14	1P20A	RECEP - BUSINESS CTR		0.6		12
15	1P20A	RECEP - LOBBY		0.4		12
16	1P20A	RECEP - VALET		0.4		12
17	1P20A	RECEP - COURTYARD			1.0	12
18	1P20A	RECEP - LOBBY			0.4	12
19	1P20A	RECEP - LANAI		0.8		12
20	1P20A	RECEP - U/C REFRIG		1		12
21	1P20A	RECEP - RECEPTION COUNTER		0.8		12
22	1P20A	RECEP - BAR STOR/HALLWAY		0.6		12
23	1P20A	RECEP - DIST			0.5	12
24	1P20A	RECEP - U/C REFRIG			1.0	12
25	1P20A	RECEP - ICE MAKER		1.0		12
26	1P20A	RECEP - ROOF		0.4		12
27	1P20A	RECEP - LANDSCAPE			1.0	10
28,30	2P40A	WSHP A7		3.5	3.5	8
29	1P20A	EF-4			0.1	12
31	1P20A	RECEP - CART CHARGER		1.2		10
32	1P20A	RECEP - LANDSCAPE		1.0		10
33	1P20A	RECEP - CART CHARGER		1.2		10
34	1P20A					
35	1P20A	RECEP - CART CHARGER			1.2	10
36	1P20A	PFB				
TOTALS				14.0	12.8	14.4

PANEL E4HA 480/277 VOLTS 3 PHASE 4 WSN
 100A LUGS ONLY BREAKER I.C. 14,000A
 20" WIDE CABINET, INDUSTRIAL BOLTED COPPER BUS SURFACE ENCL

CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	LIGHTS - EXIT STAIR	0.2			12
2	1P20A	LIGHTS - PARKING DRIVE AISLE	0.4			
3	1P20A	LIGHTS - OFFICE / ENGINEERING		0.3		
4	1P20A	LIGHTS - EXTERIOR EXITS	NL	0.2		10
5	1P20A	LIGHTS - SECURITY, EMPLOYEE			0.4	
6	1P20A	LIGHTS - ELEC/ TRASH/HSKP			0.4	12
7	1P20A	LIGHTS - KITCHEN, CORRIDOR	0.5			
8	1P20A	LIGHTS - UNIT EXTERIOR DOOR ENTRANCE	NL	0.4		12
9	1P20A	LIGHTS - FRONT OFFICE		0.4		12
10	1P20A	LIGHTS - OPEN CORRIDOR	NL	0.2		
11	1P20A	SPARE				
12	1P20A	SPARE				
14	1P	PFB				
13,15,17	3P70A	TRANSF EA	15.0	15.0	15.0	4
16	1P	PFB				
18	1P	PFB				
TOTALS			16.5	16.1	15.8	

PANEL E2HA 208 / 120V 3 PHASE 4 WSN 3P125A MAIN BREAKER
 BREAKER A.I.C. 22,000 20" WIDE CABINET INDUSTRIAL-BOLTED
 COPPER BUS SURFACE ENCL

CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A*	LIGHTS - POOL	NL	0.6		10
2	1P20A	LIGHTS - EXTERIOR POOL LEVEL	NL	0.3		10
3	1P20A*	LIGHTS - POOL	NL	0.6		10
4	1P20A	LIGHTS - TRELIS	NL	0.9		10
5	1P20A*	LIGHTS - SPA	NL		0.1	10
6	1P20A	DIMMER CAB R			1.0	10
7	1P20A	LIGHTS - STEP	NL	0.5		10
8	1P20A	DIMMER CAB R		1.0		10
9	1P20A	DIMMER CAB L		1.0		10
10	1P20A	LIGHTS - UNIT STEP LIGHTS, PLAZA	NL	0.5		10
11	1P20A	LIGHTS - COLLOR Entry + upper LEVEL			1.0	10
12	1P20A	LIGHTS - UNIT STEP LIGHTS, PLAZA	NL		0.7	10
13	1P20A	LIGHTS - ELEV LOBBY AMINITYs		0.7		12
14	1P20A	LIGHTS - POOL RESTROOMS		0.4		12
15	1P20A	LIGHTS - GARAGE STAIR		1.0		12
16	1P20A	LIGHTS - ELEV LOBBY	NL	0.5		12
17	1P20A	RECEP - RECEPTION DESK			0.4	10
18	1P20A	RECEP - IDF L			0.4	10
19	1P20A	RECEP - RECEPTION DESK		0.4		10
20	1P20A	LIGHTS - CORRIDOR		0.4		10
21	1P20A	RECEP - IDF BOH POOL LEVEL		0.4		12
22	1P20A	ELEV LTS AND CONTROL ELEVATOR # 2		1.0		10
23	1P20A	RECEP - IDF BOH POOL LEVEL			0.4	12
24	1P20A	ELEV LTS AND CONTROL			1.0	10
25	1P20A	RECEP - LOSS PREVENTION		0.4		12
26	1P20A	FACP		1.0		12
27	1P20A	RECEP - LOSS PREVENTION		0.4		12
28	1P20A	FA PAP		1.0		12
29	1P20A	RECEP - LOSS PREVENTION			0.6	12
30	1P20A	NL + CL LIGHTS TIME CLOCK.				
31	1P20A	RECEP - LOSS PREVENTION		0.6		12
32	1P20A	DIMMER CAB - L				
33	1P20A	DOORS		0.1		10
34	1P20A	GENERATOR CONTROL		1.0		12
35	1P20A	SP			1.2	12
36	1P20A	GENERATOR BATTERY CHARGER			1.0	12
37,39,41	3P50A	PANEL E2K	3.2	1.2	1.7	8
38,40,42	3P70A	PANEL E2TCA	1.6	3.0	2.6	4
NOTES:						
1. *GFI BREAKER						
TOTALS			11.1	12.6	12.1	

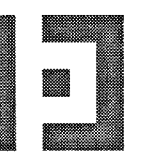
PANEL 4HA 480/277 3 PHASE 4 WSN SURFACE
 BREAKER AIC = 25,000 INDUSTRIAL BOLTED
 COPPER BUS SURFACE ENCL

CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	LTS - DRIVE AISLE		0.6		12
2	1P20A	LTS - ENGR, MECH, EMPLOYEE, POOL STOR		0.7		12
3	1P20A	LTS - PARKING STALL		0.4		12
4	1P20A	SPARE		1.5		12
5	1P20A	LTS - LOCKER RMS			0.4	12
6	1P20A	LTS - HSKP, STOR			1.2	12
7	1P20A	LTS - KITCHEN		0.5		12
8	1P20A	LTS - STORAGE + GEN ERATOR		0.5		12
9	1P20A	LTS - FRONT OFFICE		0.8		12
10	1P20A	LTS - HOUSEKEEPING		0.1		12
11	1P20A	SPARE			0.3	12
12	1P20A	SPARE			0.6	12
13	1P20A	SPARE		0.7		12
14	1P20A	SPARE				
15	1P20A	SPARE				
16	1P20A	SPARE				
17	1P20A	SPARE				
18	1P20A	SPARE				
19	1P	PFB				
20	1P	PFB				
21	1P	PFB				
22	1P	PFB				
23	1P	PFB				
24	1P	PFB				
25	1P	PFB				
26	1P	PFB				
27	1P	PFB				
28	1P	PFB				
29	1P	PFB				
30	1P	PFB				
TOTALS			3.0	2.8	2.5	

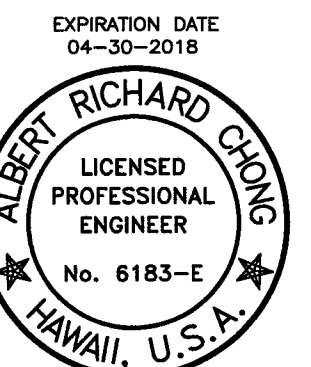
PANEL E2TCA 208 / 120V 3 PHASE 4 WSN 3P100A SHUNT TRIP BREAKER
 BREAKER A.I.C. 22,000 20" WIDE CABINET INDUSTRIAL-BOLTED
 COPPER BUS SURFACE ENCL

CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	RECEP - TELECOM MDF		0.4		12
2	1P20A	RECEP - TELECOM MDF		0.4		12
3	1P20A	RECEP - TELECOM MDF		0.4		12
4	1P20A	RECEP - TELECOM MDF		0.4		12
5	1P20A	RECEP - TELECOM MDF			0.4	12
6	1P20A	RECEP - TELECOM MDF			0.4	12
7	1P20A	RECEP - TELECOM MDF		0.4		12
8	1P20A	RECEP - TELECOM MDF		0.4		12
9	1P20A	RECEP - TELECOM MDF		0.4		12
10	1P20A	RECEP - TELECOM IDF		0.2		10
11	1P20A	DUCT DETECTOR IN KITCHEN				
12	1P20A	RECEP - TELECOM IDF		0.2		10
13	1P20A	SPARE				
14	1P20A	SPARE				
15	1P20A	SPARE				
16	1P20A	SPARE				
17	1P20A	SPARE				
18	1P20A	SPARE				
19	1P20A	ELEVATOR - 1 SHUNT TRIP.				
20	1P20A	SPARE				
21,23	2P20A	ACCU-3		1.4	1.4	10
22,24	2P20A	SPARE		0.2	0.2	12
25	1P	PFB				
26	1P	PFB				
27	1P	PFB				
28	1P	PFB				
29	1P	PFB				
30	1P	PFB				
TOTALS			1.6	3	2.6	

POSS ARCHITECTURE PLANNING



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 Consultant



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND THE CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Issue: 2016.12.02 Conformed Set
 2017.03.31 Transition CD Set
 1 ASI 357 MARCH 22, 2017
 2 ASI 361 MARCH 31, 2017

INN ON THE CLIFFS
 LIHUE, KAUAI



PROJECT NO: 21505.21

SHEET TITLE
 PANEL SCHEDULES

SCALE: AS NOTED

E2.604

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PANEL 4MA 480/277 VOLTS 3 PHASE 4 WSN 250A LUGS ONLY						
BREAKER A.I.C. 25,000 20" WIDE CABINET INDUSTRIAL-BOLTED						
COPPER BUS SURFACE ENCL						
CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1,3,5	3P20A	GEF-1	0.6	0.6	0.6	12
2,4,6	3P20A	SPARE	0.6	0.6	0.6	12
7,9,11	3P20A	SPARE	0.6	0.6	0.6	12
8,10,12	3P20A	SPARE	0.6	0.6	0.6	12
13,15,17	3P100A	SPARE	29.0	29.0	29.0	2
14,16,18	3P50A	OAU-2	6.3	6.3	6.3	8
19,21,23	3P20A	SPARE	0.6	0.6	0.6	12
20,22,24	3P20A	SPARE	0.6	0.6	0.6	12
25	1P	PFB				
26	1P	PFB				
27	1P	PFB				
28	1P	PFB				
29	1P	PFB				
30	1P	PFB				
31	1P	PFB				
32	1P	PFB				
33	1P	PFB				
34	1P	PFB				
35	1P	PFB				
36	1P	PFB				
37	1P	PFB				
38	1P	PFB				
39	1P	PFB				
41	1P	PFB				
42	1P	PFB				
TOTALS			38.9	38.9	38.9	

PANEL 2KB 208/120V 3 PHASE 4 WSN						
225A TWIN LUGS ONLY BREAKER I.C. 22,000A 20" WIDE CABINET						
INDUSTRIAL BOLTED SURFACE TWO SECTION						
CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	RECEP - CLUB REFRIG DRAWERS	0.5			12
2	1P20A	RECEP - HOSTESS	0.4			12
3	1P20A	RECEP - CLUB FREEZER DRAWER		1.0		12
4	1P20A	RECEP - CONV (CO2)		1.9		12
5	1P25A	RECEP - U/C DISHWASHER (E120)			2.4	12
6	1P20A	EF-3			1.2	12
7	1P20A	RECEP - BEER COOLER (E121)	0.8			12
8	1P20A	RECEP - BACK BAR COOLER (E101)	0.8			12
9	1P20A	RECEP - BAR BLENDER (E106)		1.8		12
10	1P20A	EF-8		0.9		12
11	1P20A	RECEP - BACK BAR COOLER (E122)			0.8	12
12	1P20A	SF-2			1.0	12
13,15	2P40A	WSAC - K1	0.4	0.4		8
14,16	2P40A	WSAC - K2	0.4	0.4		8
17,19	2P20A	WSAC - K3	2.0		2.0	12
18	1P20A	RESTAURANT FANS	2.0		2.0	12
20	1P20A	POWER SHADDES				12
21,23	2P20A	WSAC - K4		2.0	2.0	10
22,24	2P20A	WSAC - K5		2.0	2.0	12
25	1P20A	RECEP - PRIVATE DINING	0.2			12
26	1P20A	RECEP - PRIVATE DINING	0.2			12
27	1P20A	RECEP - PRIVATE DINING		0.2		12
28	1P20A	RECEP - PRIVATE DINING		0.2		12
29	1P20A	RECEP - PRIVATE DINING			0.2	12
30	1P20A	RECEP - PRIVATE DINING			0.2	12
31	1P20A	RECEP - RESTROOM	0.4			12
32	1P20A	RECEP - RESTROOM AUTO FLUSH	0.1			12
33	1P20A	RECEP - RESTAURANT		1.0		12
34	1P20A	RECEP - CLUB		0.8		12
35	1P20A	RECEP - HALLWAY			0.8	12
36	1P20A	RECEP - CLUB TV			1.0	12
37	1P20A	CLUB ROOM FANS				12
38	1P20A	RECEP - CLUB	0.4			12
39,41	2P20A	WSAC A4		1.3	1.3	12
40,42	2P20A	WSAC A11		1.3	1.3	12
43	1P20A	RECEP - BEV EQUIP (E144)	1.0			12
44	1P20A	RECEP - INDUCTION RANGE (E156)	0.3			12
45	1P20A	RECEP - REACH-IN REFRIG (E157)		0.3		12
46	1P20A	RECEP - INDUCTION RANGE (E156)		0.3		12
47	1P20A	RECEP - WARMER (E153)			0.2	12
48	1P20A	PRIVATE DINE FANS				12
49	1P20A	RECEP - WARMING DRAWER (E151)	1.5			12
50	1P20A	SPARE				
51,53	2P20A	RECEP - WAFFLE MAKER (E152)		1.7	1.7	12
52,54	2P20A	RECEP - GRIDDLE (E155)		1.4	1.4	12
55	1P	PFB				
56	1P	PFB				
57	1P	PFB				
58	1P	PFB				
59	1P	PFB				
60	1P	PFB				
TOTALS			11.4	18.9	21.5	

PANEL 2HA 208/120V 3 PHASE 4 WSN TWO-SECTIONS						
225A TWIN LUGS ONLY BREAKER I.C. 22,000A						
20" WIDE CABINET, INDUSTRIAL BOLTED COPPER BUS SURFACE ENCL						
CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	LIGHTS - WOMEN'S LOCKER ROOMS		1.0		12
2	1P20A	LTS & RECEP - ELEV PIT				12
3	1P20A	LIGHTS - MEN'S LOCKER ROOMS		1.0		12
4	1P20A	MENS TOILET SENSOR				
5	1P20A	WOMENS TOILET SENSOR				
6	1P20A	LTS - ELEV LOBBY PENDANT POOL			1.2	12
7	1P20A	LIGHTS - TRELIS POOL LEVEL NL	1.0			12
8	1P20A	LIGHTS - RESTAURANT RESTROOM	0.6			12
9	1P20A	LIGHTS - TRELIS CL		1.0		12
10	1P20A	LIGHTS - SURFBOARD STORAGE		0.2		12
11	1P20A	LIGHTS - CORRIDOR WALLWASH			0.2	10
12	1P20A	LIGHTS - CORRIDOR PENDANT			0.6	10
13	1P20A	RECEP - ELEC ROOM	0.2			12
14	1P20A	RECEP - EXTERIOR / TRASH	0.6			12
15	1P20A	RECEP - WOMEN'S		0.4		12
16	1P20A	RECEP - MEN'S		0.4		12
17	1P20A	RECEP - WOMEN'S / JANITOR			0.4	12
18	1P20A	RECEP - MEN'S / JANITOR			0.4	12
19	1P20A	RECEP - TOWELS	0.6			12
20	1P20A	RECEP - HOUSEKEEPING OFFICE	0.8			12
21	1P20A	RECEP - HOUSEKEEPING		1.0		12
22	1P20A	RECEP - HOUSEKEEPING OFFICE	0.4			12
23	1P20A	RECEP - HOUSEKEEPING			1.0	12
24	1P20A	RECEP - EMPLOYEE LOCKER ROOMS			0.2	12
25	1P20A	RECEP - WOMEN'S LOCKER ROOM	0.4			12
26	1P20A	RECEP - MEN'S LOCKER ROOM	0.4			12
27	1P20A	FIRE BOWLS & FIRE PIT				
28	1P20A	RECEP - EMPLOYEE BREAK ROOM		1.2		12
29	1P20A	RECEP - LANDSCAPE			1.0	10
30	1P20A	LIGHTS - TRELIS CL			0.3	10
31	1P20A	RECEP - LANDSCAPE	1.0			10
32	1P20A	LIGHTS - LANDSCAPE NL	1.0			10
33	1P20A	RECEP - LANDSCAPE			0.6	10
34	1P20A	LIGHTS - LANDSCAPE CL			1.0	10
35	1P20A	RECEP - CORRIDORS			0.4	10
36	1P20A	RECEP - EXTERIOR			0.2	12
37	1P20A	RECEP - CORRIDORS	0.4			10
38	1P20A	RECEP - LOCKERS				12
39	1P20A	RECEP - ENTRY LEVEL EXTERIOR		1.2		10
40	1P20A	RECEP - ENTRY LEVEL EXTERIOR		1.0		10
41	1P20A	RECEP - ENTRY LEVEL EXTERIOR			1.2	10
42	1P20A	RECEP - ENTRY LEVEL EXTERIOR			1.0	10
43	1P20A	SPARE	0.6			12
44	1P20A	SPARE	1.2			12
45	1P20A	EF-1		1.9		12
46	1P20A	EF-7		0.6		12
47	1P20A	EF-2			0.6	12
48	1P20A	SPARE			0.1	12
49,51	2P20A	WSAC T1	1.3	1.3		12
50,52	2P30A	WSAC A2	2.1	2.1		10
53,55	2P30A	WSAC A9	2.1		2.1	10
54,56	2P30A	WSAC A3	1.9		1.9	10
57,59	2P20A	WSAC A5		1.3	1.3	12
58,60	2P30A	WSAC A6		2.1	2.1	10
61	1P20A	ROLL-UP DOOR	1.0			12
62	1P20A	RECEP - LOADING	0.8			12
63	1P20A	TREE		1.0		10
64	1P20A	RECEP - RECEMIN		1.0		10
65	1P20A	PACKING RECEP ON COLUMNS			0.2	10
66	1P20A	RECEP - MEN SUITE MATE			1.0	12
67	1P20A	DDC PANEL PARKING				
68	1P20A	RECEP - WOMEN SUITE MATE	1.0			12
69,71	2P30A	RECEP - DRYER HSKP		2.5	2.5	10
70	1P20A	RECEP - WASHER HSKP		1.2		12
72	1P20A	SPARE			1.2	12
74	1P20A	SPARE	1.0			12
73,75	2P20A	WSAC - EL	1.6	1.6	1.6	12
76,78	2P20A	SPARE		1.4	1.4	12
77	1P20A	SPARE				
79,81	2P20A	WSAC - C1				10
80,82	2P20A	WSAC - C2				10
83	1P	PFB				
84	1P	PFB				
TOTALS			22.6	27.4	24.1	

PANEL 4KA 480/277 VOLTS 3 PHASE 4 WSN 225A TWIN LUGS ONLY						
BREAKER A.I.C. 25,000 20" WIDE CABINET INDUSTRIAL-BOLTED						
COPPER BUS FLUSH ENCL						
CKT NO.	BREAKER	LOAD	KVA			WIRE
			PHASE A	PHASE B	PHASE C	
1	1P20A	SPARE				
2	1P20A	SPARE				
3	1P20A	SPARE				
4	1P20A	SPARE				
5	1P20A	SPARE				
6	1P20A	SPARE				
7	1P	PFB				
8	1P	PFB				
9	1P	PFB				
10	1P	PFB				
11	1P	PFB				
12	1P	PFB				
13	1P	PFB				
14	1P	PFB				
15	1P	PFB				
16	1P	PFB				
17	1P	PFB				
18	1P	PFB				
19,21,23	3P30A	SPARE	5.8	5.8	5.8	10
20,22,24	3P30A	SPARE	5.8	5.8	2.8	10
25,27,29	3P30A	KEF-1	2.1	2.1	2.1	12
26,28,30	3P30A	MUA-1	0.9	0.9	0.9	12
31	1P	PFB				
32	1P	PFB				
33	1P	PFB				
34	1P	PFB				
35	1P	PFB				
36	1P	PFB				
TOTALS			14.6	14.6	11.6	

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EXPIRATION DATE
04-30-2018

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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND THE CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

Issue: 2016.12.02 Conformed Set
2017.03.31 Transition CD Set

ASI 247 JANUARY 19, 2017
ASI 369 MARCH 31, 2017

INN ON THE CLIFFS
LIHUE, KAUAI



PROJECT NO: 21505.21

SHEET TITLE
**PANEL SCHEDULES
4MA, 2KB, 2HA**

SCALE: AS NOTED

E2.605

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**LOAD CALCULATIONS
3 BEDROOM UNIT**

	CONN KVA	DE	DEM KVA
LTS & RECP	7.4		
SMALL APPLIANCE	3.0		
LAUNDRY	1.5		
D/W	1.2		
MICRO	1.2		
REFRIG	1.2		
DISPOSAL	1.2		
WASHER	1.2		
DRYER	5.0		
WINE	1.2		
RANGE	5.8		
OVEN	3.8		
SUBTOTAL	33.7	1001.0	10
	23.7	.4	9.5

A/C 4.8 1.0 4.8
24.3 KVA
TOTAL DEMAND KVA @ 208V/120V 1φ = 117A x 1.25 = 146A

**LOAD CALCULATIONS
2 BEDROOM UNIT**

	CONN KVA	DE	DEM KVA
LTS & RECP	6.1		
SMALL APPLIANCE	3.0		
LAUNDRY	1.5		
D/W	1.2		
MICRO	1.2		
REFRIG	1.2		
DISPOSAL	1.2		
WASHER	1.2		
DRYER	5.0		
RANGE	5.8		
OVEN	3.8		
SUBTOTAL	31.2	1001.0	10
	31.2-10 = 21.2	.4	8.5

A/C 5.8 1.0 5.8
24.3 KVA
TOTAL DEMAND KVA @ 208V, 1φ = 117A

**LOAD CALCULATIONS
DIST. PANEL 2GA2/2GA3**

	CONN KVA	DE	DEM KVA
2 BR INT	2 x 31.2 = 62.4		
3 BR INT	3 x 33.7 = 101.1		
3A BR INT	1 x 34.4 = 34.4		
	197.9	.44	87.1 KVA
TOTAL DEMAND LOAD @ 208/120, 3φ			87.1 KVA .36 = 241.9A x 1.25 = 302.35A

**LOAD CALCULATIONS
DIST. PANEL 2GA2/2GA3**

	CONN KVA	DE	DEM KVA
3 BR UNIT	4 x 33.7 = 134.8		
2 BR UNIT	2 x 31.2 = 62.4		
3A BR UNIT	2 x 34.4 = 68.8		
	266	.43	114.4 KVA
TOT DEMAND LOAD @ 208/120, 3φ			114.4 KVA .36 = 317.72A x 1.25 = 397.15A

**LOAD CALCULATIONS
3A BEDROOM UNIT**

	CONN KVA	DE	DEM KVA
LTS & RECP	8.1		
SMALL APPLIANCE	3.0		
LAUNDRY	1.5		
D/W	1.2		
MICRO	1.2		
REFRIG	1.2		
DISPOSAL	1.2		
WASHER	1.2		
DRYER	5.0		
WINE	1.2		
RANGE	5.8		
OVEN	3.8		
SUBTOTAL	34.4	1001.0	10
	24.4	.4	9.8

A/C 4.8 1.0 4.8
24.6KVA
TOTAL DEMAND KVA @ 208V/120V 1φ = 118A x 1.25 = 148A

**LOAD CALCULATIONS
DIST. PANEL 2GA4**

	CONN KVA	DE	DEM KVA
3 BR UNIT	4 x 33.7 = 134.8		
2 BR UNIT	2 x 31.2 = 62.4		
	197.2	.44	86.8 KVA
TOTAL DEMAND LOAD @ 208/120, 3φ			86.8 KVA .36 = 241A x 1.25 = 301.3A

**LOAD CALCULATIONS
DIST. PANEL 2GA**

	DEM KVA
DIST. PANEL 2GA1	87.1
DIST. PANEL 2GA2	114.4
DIST. PANEL 2GA3	114.4
DIST. PANEL 2GA4	114.4
	402.7 KVA

Office Copy
ALB

ELECTRICAL SYMBOLS

- ☒ UNITS COMBINATION FIRE ALARM/DETECTOR, ALL INTERCONNECTED
- ⊙ FIRE ALARM ADDRESSABLE DUCT SMOKE DETECTOR INTERFACE WITH MECHANICAL VENTILATION UNIT CONTROLS
- ⊙ FIRE ALARM INTELLIGENT INTERFACE DEVICE
- 📹 IP BASED CCTV FIXED CAMERA
- 📹 1P BASED CCTV PTZ CAMERA
- ⊙ FIRE ALARM SPRINKLER FLOW SWITCH MONITOR
- ⊙ FIRE ALARM SPRINKLER TAMPER SWITCH MONITOR
- ⊙ FIRE ALARM PREACTION SOLENOID CONTROL
- 📡 FIRE ALARM CONTROL/TRANSPONDER PANEL
- 📡 FIRE ALARM ANNUNCIATOR
- ⊙ MOTOR CONNECTION
- ⊙ MOTOR CONTROLLER
- ⊙ SAFETY SWITCH
- 📺 TELEVISION OUTLET, +18" UNLESS OTHERWISE NOTED
- 📺 TRANSFORMER
- 🔔 DOOR CHIME
- 🔔 DOOR CHIME PUSHBUTTON
- 🔒 WEATHERPROOF
- 🎵 BACKGROUND MUSIC RECESS CEILING SPEAKER
- 🎵 BACKGROUND MUSIC EXTERIOR TYPE
- 🔊 SOUND ATTENUATOR
- ⬜ LUMINAIRE TYPE 'A'
- |— EXISTING CONDUIT STUB
- |— CONDUIT STUB
- |— WIRING IN RACEWAY CONCEALED IN WALL OR CEILING
- |— WIRING IN RACEWAY CONCEALED IN FLOOR OR BELOW GRADE
- 🌀 WIRING IN FLEXIBLE RACEWAY, 6 FEET MAXIMUM
- |— NONMETALLIC TYPE CABLE

- NOTES:**
- ANY CIRCUIT WITH NO FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. CIRCUITS WITH ADDITIONAL WIRES ARE INDICATED AS FOLLOWS: $\frac{---}{---}$, 3 WIRES: $\frac{---}{---}$, 4 WIRES, ETC.
 - |— INDICATES GROUNDING CONDUCTOR SIZED PER NATIONAL ELECTRICAL CODE ARTICLE 250.122.
 - PAINT ALL RECESS DOWNLIGHT TRIMS TO MATCH CEILING.
 - EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR.
 - SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING WHERE SUCH WIRING IS SERVED FROM A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP.
 - PROVIDE TAMPER RESISTANT TYPE WIRING DEVICES ASA REQUIRED BY THE NEC.
 - ALL WIRING METHODS SHALL COMPLY WITH NEC ARTICLE 300.
 - FOR MULTIWIRE BRANCH CIRCUITS COMPLY WITH NEC 210.4(B) AND 210.4(D).

ELECTRICAL SYMBOLS

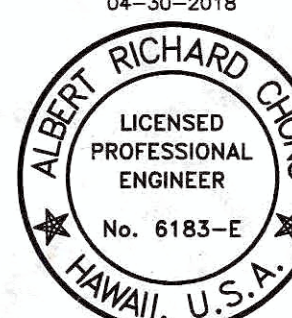
- NEW
- ☒ PATH LIGHT
- ☒ STEP LIGHT
- ☒ STEP LIGHT, NIGHT LIGHT
- ☒ MULTIPLE HEAD RECESS DOWNLIGHT
- ☒ DECORATIVE CEILING LUMINAIRE
- CEILING LUMINAIRE
- WALL LUMINAIRE
- WALL LUMINAIRE, NIGHT LIGHT
- WALLWASH LUMINAIRE
- ADJUSTABLE LUMINAIRE
- ☒ CEILING LUMINAIRE
- ☒ WALL LUMINAIRE
- ☒ LED STRIP LIGHT
- ☒ LED STRIP LUMINAIRE
- ☒ FLOOD LIGHT
- S SWITCH, 1P20A, +42"
- S₃ SWITCH, 3W20A, +42"
- S₄ SWITCH, 4W20A, +42"
- S₂ SWITCH, 2P30A, +42"
- \$ DIMMER SWITCH, SIZE AS INDICATED OF REQUIRED, +42"
- S_u SWITCH, MOTION TYPE, +42"
- S_{ms} SWITCH, MASTER SWITCH, 2P20A, +42"
- ☒ DIMMER CONTROL STATION
- ☒ DIMMER CONTROL JACK
- ◇ CEILING MOTION SENSOR, INFRARED
- ◇ CEILING MOTION SENSOR, DUAL TECHNOLOGY
- ⊕ DUPLEX CONVENIENCE OUTLET, 3W 15A, 125V, GROUNDING TYPE, +18" UNLESS OTHERWISE NOTED
- ⊕ DUPLEX CONVENIENCE OUTLET, 3W 15A, 125V, GROUNDING TYPE WITH TWO USB PORTS, +18" UNLESS OTHERWISE NOTED
- ⊕ DUPLEX CONVENIENCE OUTLET, 3W 15A, 125V, ISOLATED GROUNDING TYPE, +18" UNLESS OTHERWISE NOTED
- ⊕ DUPLEX CONVENIENCE OUTLET, 2 CIRCUIT, 3W 15A, 125V, GROUNDING TYPE, +18" UNLESS OTHERWISE NOTED
- ⊕ DUPLEX CONVENIENCE RECEPTACLE, 3W 15A, 125V, GROUND FAULT INTERRUPTING TYPE, +18" UNLESS OTHERWISE NOTED
- ⊕ DUPLEX CONVENIENCE RECEPTACLE, 3W 15A, 125V, GROUND FAULT INTERRUPTING TYPE WITH TWO USB PORTS, +18" UNLESS OTHERWISE NOTED
- ⊕ QUADRAPLEX RECEPTACLE, 2 DUPLEX RECEPTACLES, 3W 15A, 125V, GROUNDING TYPE, +18" UNLESS OTHERWISE NOTED
- ⊕ QUADRAPLEX RECEPTACLE, 2 DUPLEX RECEPTACLES, 3W 15A, 125V, GROUNDING TYPE WITH TWO USB PORTS, +18" UNLESS OTHERWISE NOTED
- ⊕ APPLIANCE OUTLET, 4W30A, 250V, +18" UNLESS OTHERWISE NOTED
- ⊕ RANGE/OVEN OUTLET, 4W50A, 250V, +18" UNLESS OTHERWISE NOTED.
- FLOOR OUTLET, DUPLEX 3W 15A, GROUNDING TYPE WITH DUAL HINGED BRASS CAPS, HUBBEL S3925
- ☒ DUAL OUTLET, COMBINATION DUPLEX AND DATA, HIDDEN ACCESS
- ☒ DUPLEX CEILING MOUNTED
- ⊕ GARBAGE DISPOSAL CONNECTION
- ⊕ WATER HEATER CONNECTION
- CEILING FAN
- JUNCTION BOX, WALL, 4 11/16" SQUARE MINIMUM
- JUNCTION BOX, CEILING, 4 11/16" SQUARE MINIMUM
- ☒ PANELBOARD
- ☒ TELEPHONE OUTLET, +18" UNLESS OTHERWISE NOTED
- ☒ TELECOM OUTLET, +18" UNLESS OTHERWISE NOTED
- ☒ FLOOR TELEPHONE OUTLET
- ☒ TELECOM BACKBOARD
- ☒ FIRE ALARM ADDRESSABLE PULL STATION, +48"
- ☒ FIRE ALARM SPEAKER, +80" TO BOTTOM OF DEVICE
- ☒ FIRE ALARM COMBINATION SPEAKER/VISUAL ADA DEVICE, +80" TO BOTTOM OF DEVICE. SYNCHRONIZED AS REQUIRED.
- ☒ FIRE ALARM VISUAL ADA DEVICE, +80" TO BOTTOM OF DEVICE. SYNCHRONIZED AS REQUIRED.
- ⊕ FIRE ALARM ADDRESSABLE SMOKE DETECTOR



605 EAST MAIN STREET AS
DENVER, COLORADO 80218
(F) 970/920-2950

Consultant
Albert Chong Associates Inc.
Consulting Electrical Engineers
and Lighting Designers
117 Kapiolani Avenue
Honolulu, Hawaii 96816
Telephone (808) 738-5355

EXPIRATION DATE
04-30-2018



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND THE
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

Issue:
Construction Documents August 8, 2016
Conformed Set November 4, 2016
Transition CD Set March 31, 2017

**TIMBERS HOKUALA
POOL BAR SET ONLY**

PERMIT # 08-1603

BUILDING B

LIHUE,
KAUAI

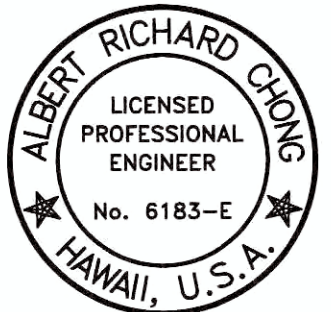
PROJECT
21505-22

SHEET
TITLE
SYMBOLS LIST AND CALCS

E0-0

COUNTY OF KAUAI
CHAPTER 12, KAUAI COUNTY BUILDING CODE
KAUAI COUNTY CODE 1987, AS AMENDED
ARTICLE 6 - ENERGY CONSERVATION
I CERTIFY THAT THE DESIGN IS IN CONFORMANCE WITH THE
BUILDING EFFICIENCY STANDARDS PERTAINING TO:
SECTION 12.6-9 ELECTRICAL POWER
SECTION 12.6-10 LIGHTING
SIGNATURE: *Albert Chong* DATE: 4-17-16
NAME: ALBERT RICHARD CHONG
TITLE: PRESIDENT
LICENSE No. 6183-E

BUILDING ENERGY EFFICIENCY STANDARDS
INTERIOR LIGHTING POWER ALLOWANCES _____ INSTALLED _____
METHOD USED: PERSCRIPTIVE SYSTEM PERFORMANCE _____
(CHECK ONE)
CALCULATIONS: SEPARATE ON DRAWINGS _____
(CHECK ONE)

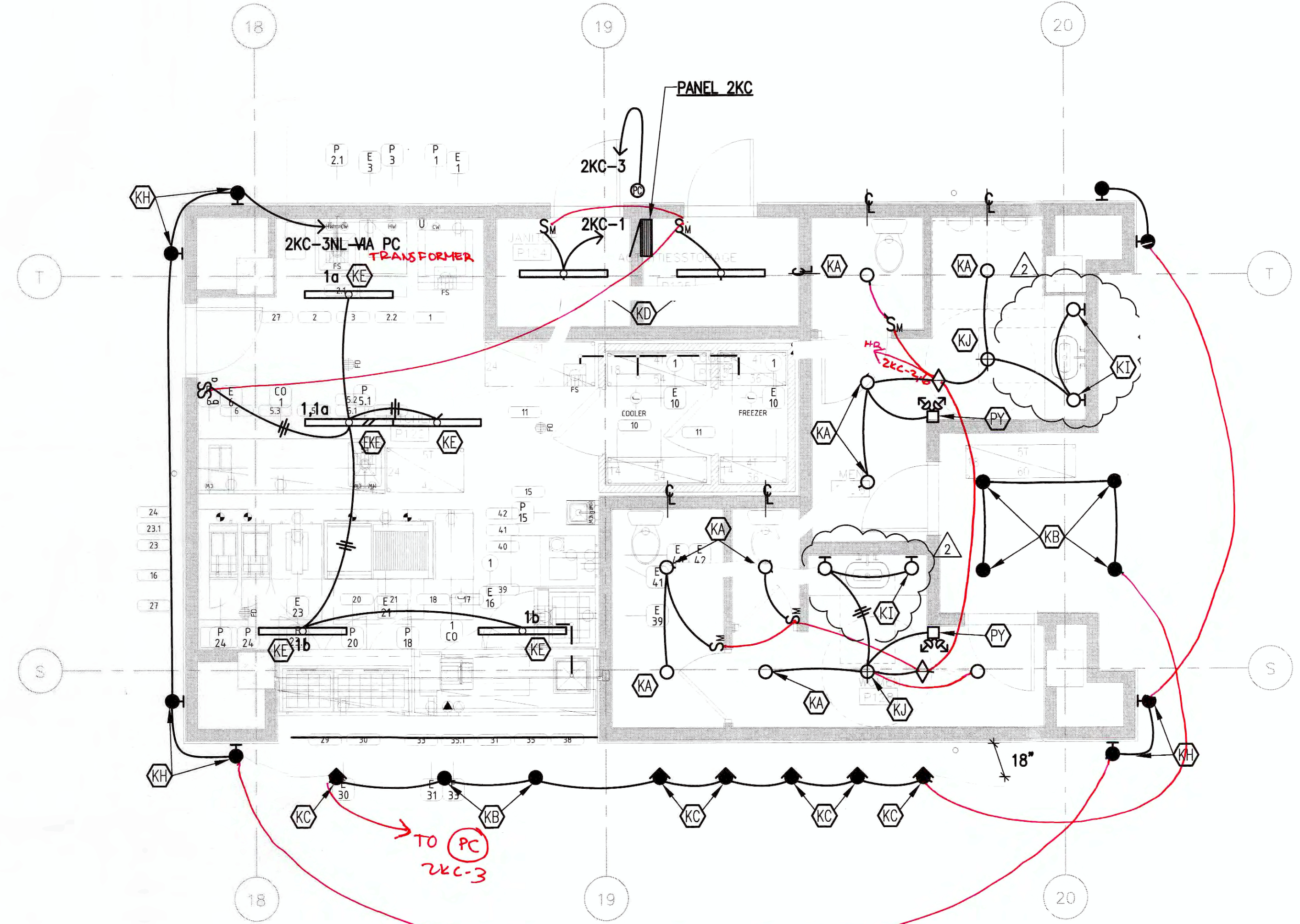
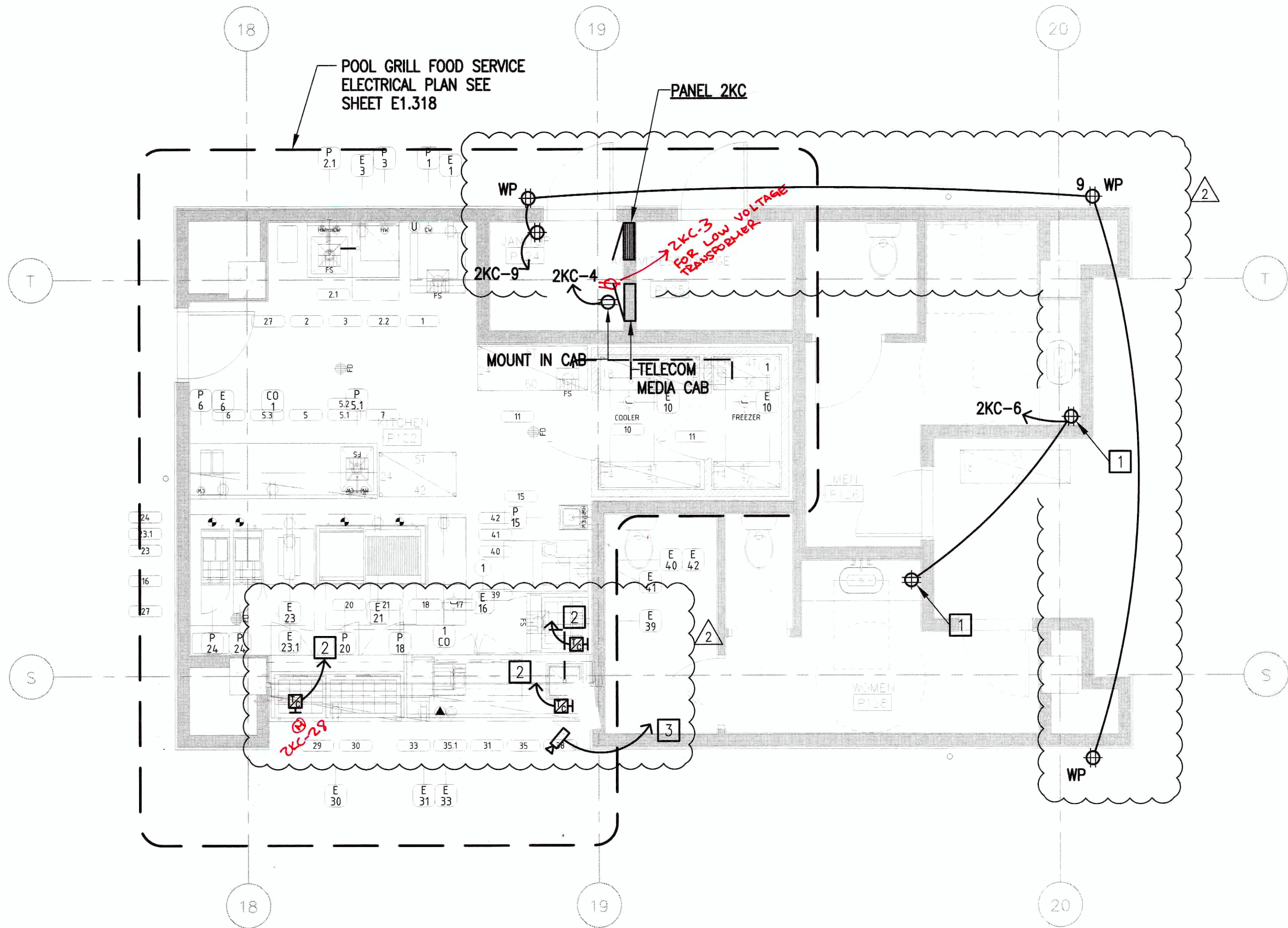


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND THE
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

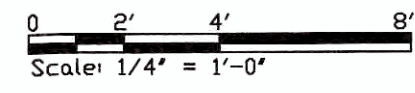
ISSUE:
Construction Documents August 8, 2016
Conformed Set November 4, 2016
Transition CD Set March 31, 2017

- 1 ASI 253 JANUARY 19, 2017
- 2 ASI 347 MARCH 10, 2017

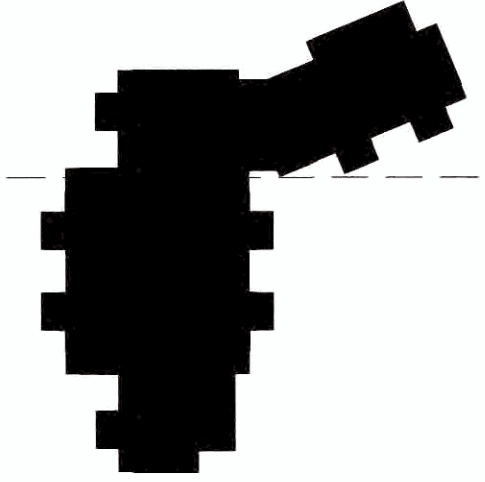
- ELECTRICAL NOTES:**
- 1 ABOVE COUNTER
 - 2 1" C, 2 CAT 6 TO TELECOM MEDIA CAB
 - 3 CCTV CAMERA, 1 CAT 6 TO MEDIA CAB



POOL GRILL LIGHTING PLAN
SCALE: 1/4" = 1'-0"



BUILDING B
LIHUE,
KAUAI



PROJECT
21505.22

SHEET
TITLE
POOL GRILL
LIGHTING - POWER
& SIGNAL PLANS

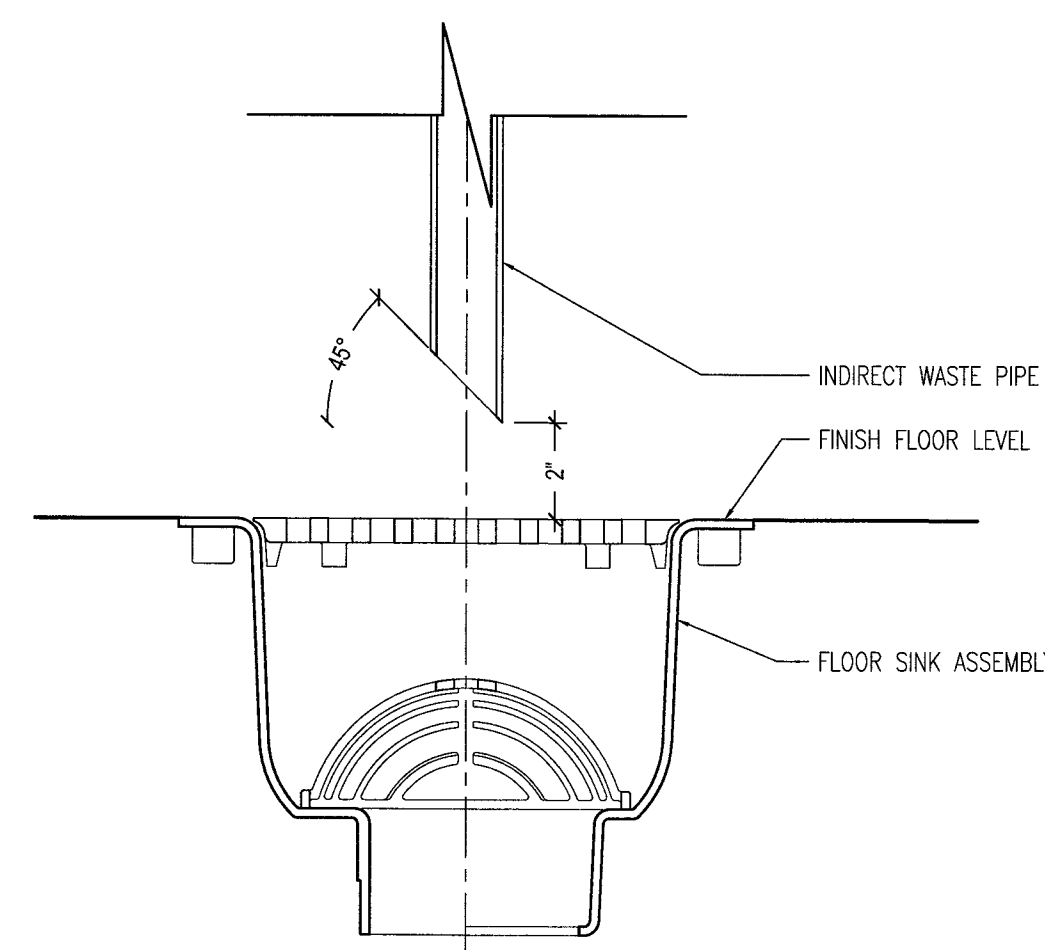
E1.316

GENERAL CONTRACTOR NOTES:

- The FS series drawings and related documents are an integral part of the Construction Documents and shall be reviewed and coordinated by the General Contractor and his sub-contractors.
- The Food Service Equipment Specifications Book is an integral part of these documents. Information may be provided in this document which is not noted on these drawings. The General Contractor and his sub-contractors shall reference both of these documents for information related to their scope of work.
- Food Service Equipment "shop drawings" shall be distributed to the General Contractor for review and coordination with applicable sub-contractors. It is the responsibility of the General Contractor and the related sub-contractors to report any discrepancies, conflicts or concerns to the Architect and/or Katz Company, in a timely manner.
- Food Service Equipment Specifications, Cut-Sheets and Shop Drawings shall be distributed by the General Contractor to all applicable sub-contractors for review. Any Discrepancies shall be reported through the General Contractor prior to rough-in and final connection.
- Millwork or specialty shop drawings for the bar, back bar, wait/service stations, food counters, service counters, host station, etc. shall be provided to the Food Service Equipment Supplier for review and comment prior to commencement of fabrication.
- General Contractor shall be responsible for providing all roof curbs and structural supports for roof mounted and ceiling hung equipment.
- All penetrations in roof, walls, floor and ceilings required for the proper installation of the Food Service Equipment shall be made and patched by the General Contractor. The Food Service Equipment Installer shall coordinate these requirements with the General Contractor. The General Contractor shall provide chases, fire dampers, enclosures, seals and closures as required by code and acceptable to the authorized health and building department inspectors.
- General Contractor shall provide all wall blocking as noted on drawings.
- Unless noted otherwise, the installation of all kitchen, bar and related equipment and appliances shall be provided by others. The scope of this work is as follows:
 - Coordinate installation date and on-site activities with General Contractor.
 - Receive and unload equipment at job site.
 - Uncrate and remove debris to General Contractor's job-site trash receptacle.
 - Assemble all equipment and set equipment in place.
 - Distribute all plumbing fixtures and loose plumbing and electrical components to appropriate subcontractor for installation by others.
 - Work with General Contractor's sub-contractors to coordinate installation of plumbing and electrical components, drain line routing and equipment penetrations.
 - Provide cut-outs and penetrations in stainless steel equipment and related stainless steel as required by other trades.
 - Level, wall clip and seal equipment to walls as required.
 - Remove all protective film and packing material.
 - Make changes and adjustments as required to satisfy local Health Dept.
- The General contractor and his sub-contractors shall be responsible for providing the following scope of work related to the installation of all kitchen, bar and related equipment:
 - Weekly updates on tentative installation schedule and seven (7) days notice of required installation commencement date.
 - Site conditions ready for installation. This shall include:
 - All floors, bases and wall finishes must be complete and ready to receive equipment.
 - Utilities rough-ins complete in required work areas. Gas lines shall be stubbed out of walls per schedule. No caps, elbows or valves shall be installed on gas lines until after Stainless Steel wall flashing is installed.
 - Floor areas shall be clear of protective covering, debris, tools and supplies.
 - Equipment installer shall have seniority with respect to access and mobility within the installation area.
 - Adequate delivery access to site, unloading and staging area and access to space.
 - Access to and use of job-site trash receptacle for all debris generated from installation activities without back charges.
 - Use of jobsite electrical and water service without back charges.
 - Final connection from rough-in point to equipment of all plumbing and electrical service.
- Penetrations required in stainless steel equipment shall be made by the Food Service Equipment Installer. Penetrations required in millwork shall be made by the millwork installer. All penetrations must be made and sealed as required by the local Health Department. Sealing of penetrations shall be made by trade making penetration.

GENERAL PLUMBING NOTES:

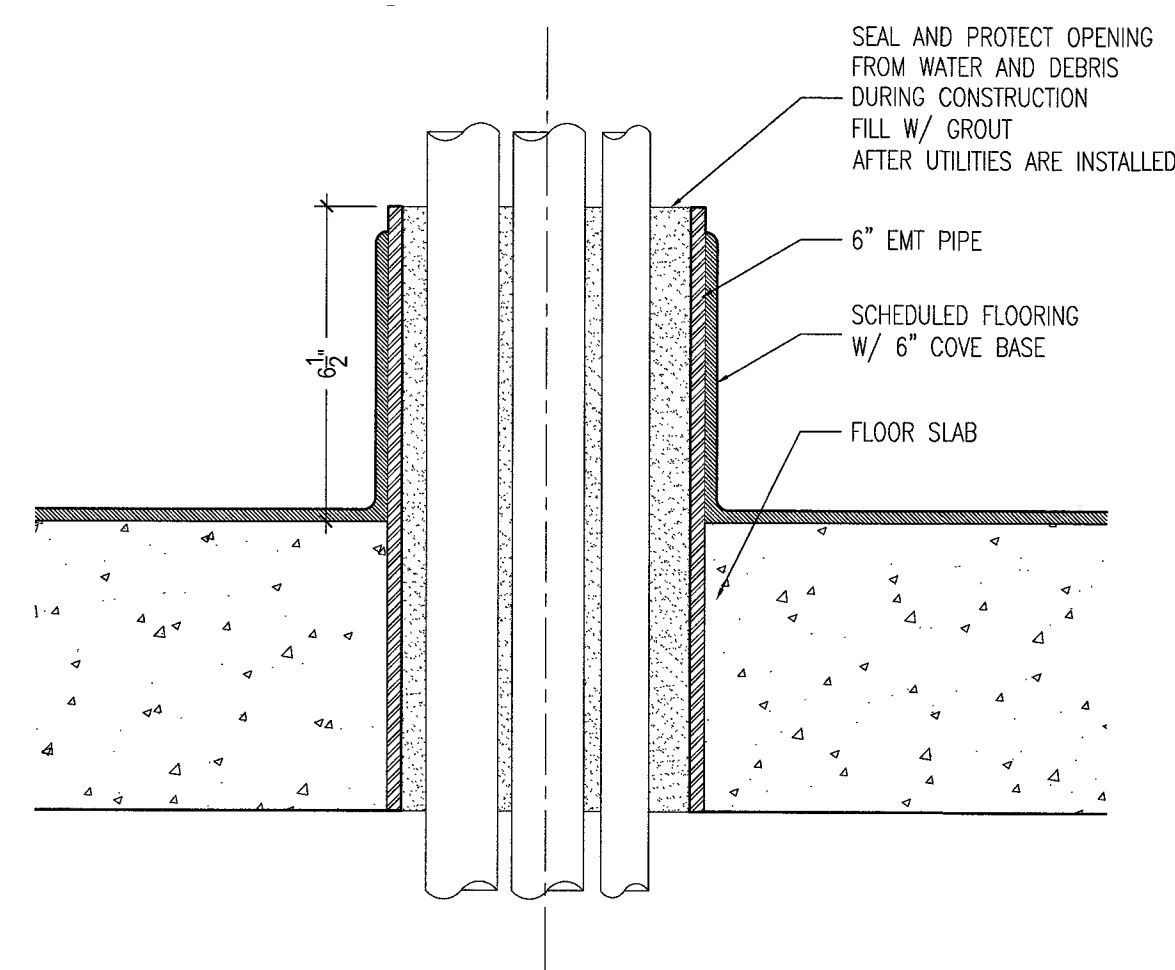
- Food Service Equipment Specifications, Cut-Sheets and Shop Drawings shall be distributed by the General Contractor to all applicable sub-contractors for review. Any Discrepancies shall be reported through the General Contractor prior to rough-in and final connection.
- Plumbing rough-ins related to Food Service Equipment shall be made according to FS dimensioned drawings. All rough-in dimensions are from face of finished surface to centerline of rough-in.
- All rough-in piping shall be run within walls, above the ceiling or under the slab. No exposed piping shall be permitted.
- Plumbing Contractor shall install all faucets, drains, quick disconnect hoses, gas pressure regulators and other plumbing accessories provided by others.
- Gas piping, including gas pressure regulators and quick disconnect hoses shall be installed so that equipment can be set tight to rear wall. Install/loop quick disconnect hoses according to manufacturers instructions.
- All plumbing supply and drain lines for final connection from rough-in point to equipment shall be run so as to minimize obstruction to storage space and interference with shelving or adjacent equipment. All piping shall be secured with approved "zip" ties.
- All water supply lines shall be braided, flexible lines with minimum of 12" slack. Braided, flexible supply lines to equipment on casters shall have a minimum 48" slack.
- Penetrations required in stainless steel equipment shall be made by the Food Service Equipment Installer. Penetrations required in millwork shall be made by the millwork installer. All penetrations must be made and sealed as required by the local Health Department. Sealing of penetrations shall be made by trade making penetration.
- Plumbing Contractor shall provide and install all condensate and indirect drain lines to appropriate floor drain. Coordinate routing of drain lines with equipment lines to appropriate floor drain, and coordinate routing of drain lines with Equipment Installer prior to installation.
- Plumbing Contractor shall install an approved backflow preventer on the water line upstream from the soda carbonator.



TYPICAL FLOOR SINK CONDITION
3" = 1'-0" ①

GENERAL ELECTRICAL NOTES:

- Food Service Equipment Specifications, Cut-Sheets and Shop Drawings shall be distributed by the General Contractor to all applicable sub-contractors for review. Any Discrepancies shall be reported through the General Contractor prior to rough-in and final connection.
- Electrical rough-ins related to food service equipment shall be made according to FS dimensioned drawings. All rough-in dimensions are from face of finished surface to centerline of rough-in.
- All rough-in conduit to be run within walls, above the ceiling or under the floor. No exposed conduit shall be permitted.
- All electrical panels and disconnect boxes are to be flush-mounted.
- All loads indicated on schedule are actual and not breaker size unless noted otherwise.
- Electrical Contractor shall provide and install 6" PVC for beverage lines as noted and per detail provided.
- All direct electrical connections must use flexible, water tight conduit and connections.
- Electrical Contractor shall install and connect all electrical accessories - starters, cord/plug sets, switches, disconnects, etc. supplied loose with equipment.
- Electrical Contractor to provide and install vapor proof, low temperature ballast, surface mounted 48" light fixtures in walk-in coolers and freezers.
- Electrical Contractor to provide shunt trip breakers or other approved shut down device for electrical receptacles and connections located under kitchen exhaust hoods as required by code. Shut down device to be interconnected to exhaust hood fire protection system by electrical contractor. It is the responsibility of the electrical contractor to coordinate this wiring with the exhaust hood fire protection sub-contractor. Wiring diagrams and shop drawings shall be provided.
- Electrical contractor to provide power and control wiring as required for interlocking of exhaust hood and make-up air fan systems with exhaust hood fire protection system as required by local codes. Where control panel is provided, electrical contractor shall install panel and make all necessary wiring connections.
- All receptacles shall be mounted horizontally unless noted otherwise.
- All cover plates shall be stainless steel unless otherwise noted.



6" FLOOR PENETRATION
3" = 1'-0" ②

GENERAL MECHANICAL NOTES:

- Food Service Equipment Specifications, Cut-Sheets and Shop Drawings shall be distributed by the General Contractor to all applicable sub-contractors for review. Any Discrepancies shall be reported through the General Contractor prior to rough-in and final connection.
- Exhaust hood and make-up air cfm requirements are provided by hood fabricator. Mechanical Engineer shall verify these requirements.
- Unless specifically noted otherwise, the exhaust fan and make-up air systems for the kitchen exhaust hoods shall be provided and installed by the Mechanical Contractor.
- Where the exhaust fan and make-up air units are provided with the exhaust hoods, the Mechanical Contractor is responsible for complete installation of these units.
- Kitchen exhaust hoods are hung in place by the Mechanical Contractor according to the locations and details shown on the FS drawings. The Mechanical Contractor shall make all required field penetrations in the hoods and provide and install ductwork as required.
- Mechanical Contractor shall be responsible for properly balancing the kitchen exhaust/make-up air system.
- Hood control panels, when specified, shall be provided by Equipment Supplier. The Mechanical Contractor shall coordinate the installation, wiring and control wiring of these units with the Electrical Contractor.
- Where the hood controls are provided by the Mechanical Contractor, the Mechanical Contractor shall coordinate the installation, wiring and control wiring of these units with the Electrical Contractor.
- The Mechanical Contractor shall coordinate the control wiring of the kitchen exhaust and make up air systems with the Electrical Contractor, including the interlocking of these systems with the kitchen exhaust hood fire protection system as required by code.



**RESTAURANT PLANNING, DESIGN
AND PROJECT MANAGEMENT**
3201 YATES ST. DENVER, CO 80212
P: 970.948.7004

#	DATE:	ISSUE:
01	08-11-16	EQUIP. & ROUGH-INS
02	09-22-16	EQUIP. & ROUGH-INS
03	01-12-17	EQUIP. & ROUGH-INS ADJUST.

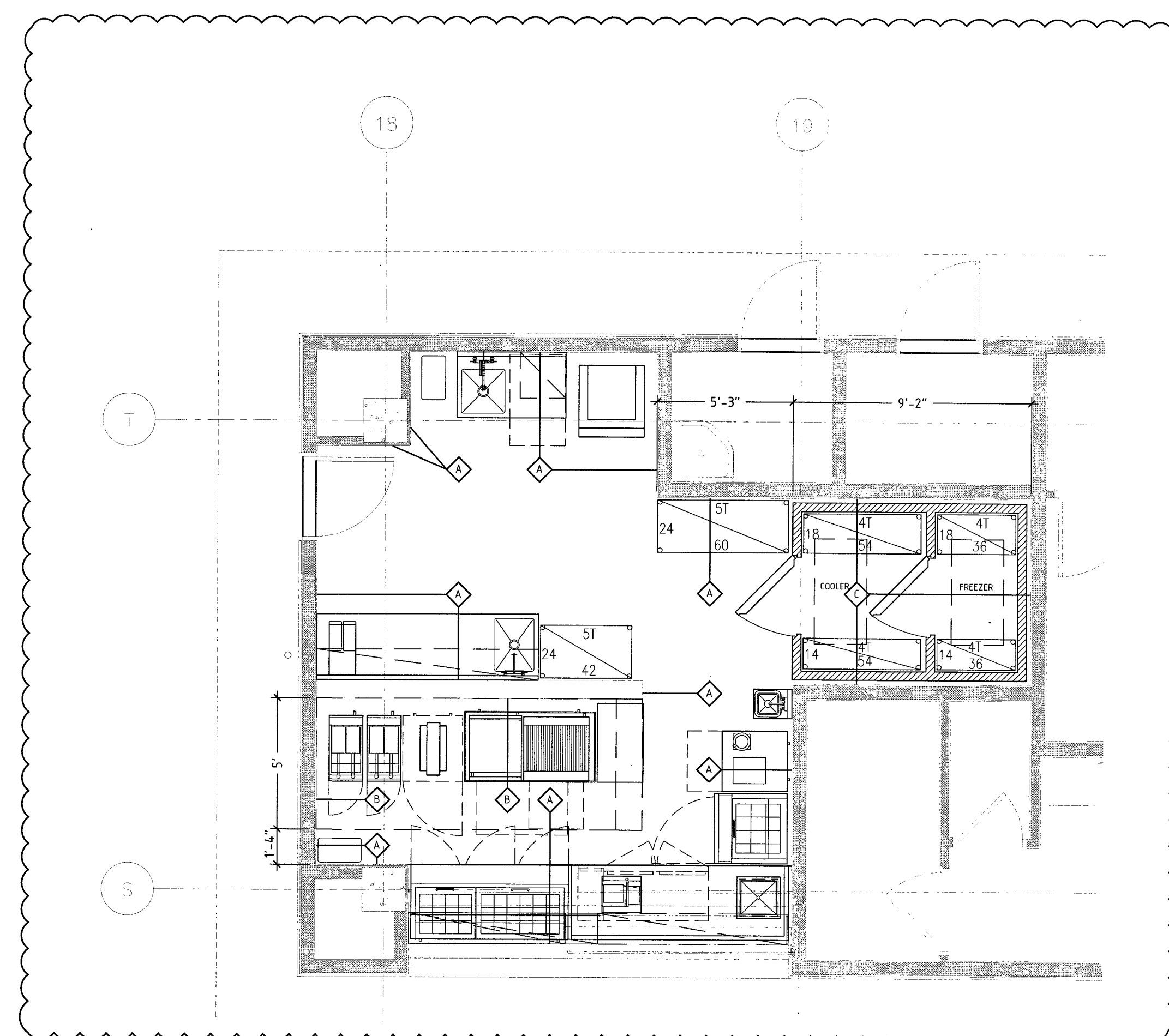
PROJECT NAME:
**RITZ CARLTON CLUB
KIDS CLUB AND POOL CAFE
LIHUE, HI**

**FOOD SERVICE
GENERAL NOTES**

SCALE N/A	SHEET NUMBER FS000
DATE 01/12/2017	
DRAWN BY RDC	



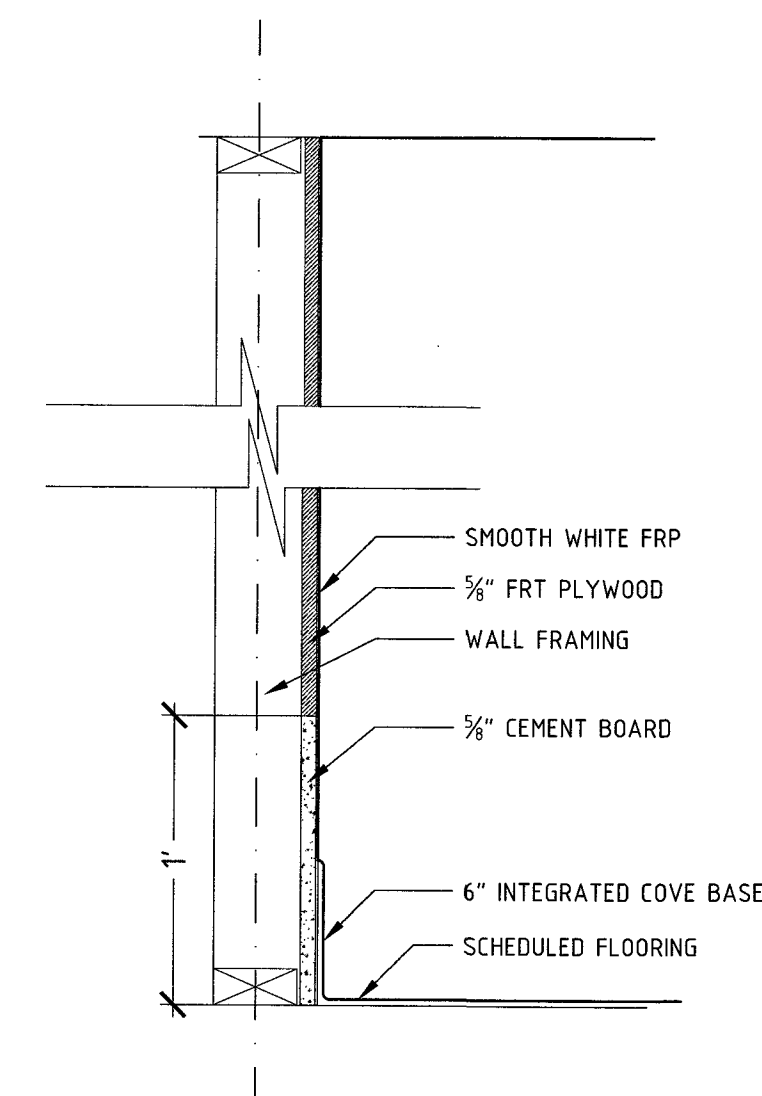
RESTAURANT PLANNING, DESIGN
AND PROJECT MANAGEMENT
3201 YATES ST. DENVER, CO 80212
P: 370.946.7004



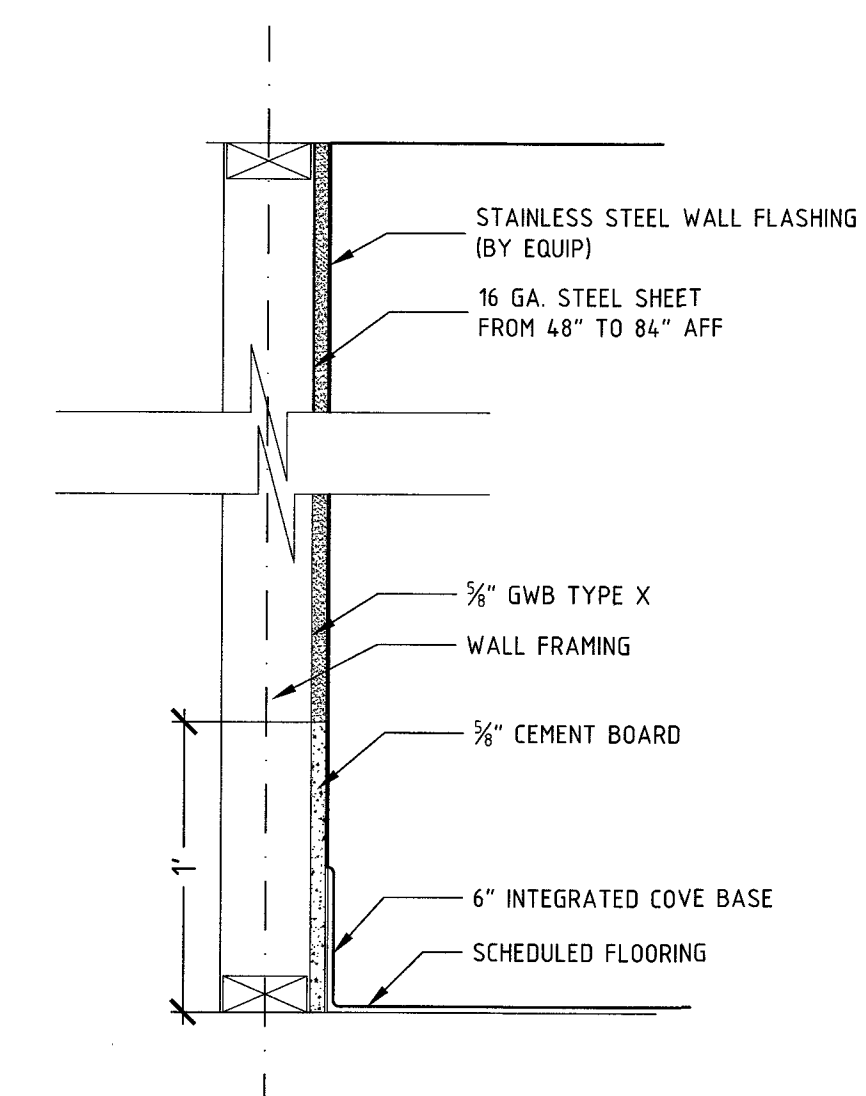
1 WALL TYPES PLAN : KITCHEN
1/4" = 1'-0"

REFER TO SHEETS FS500 FOR EQUIPMENT/UTILITY SCHEDULE

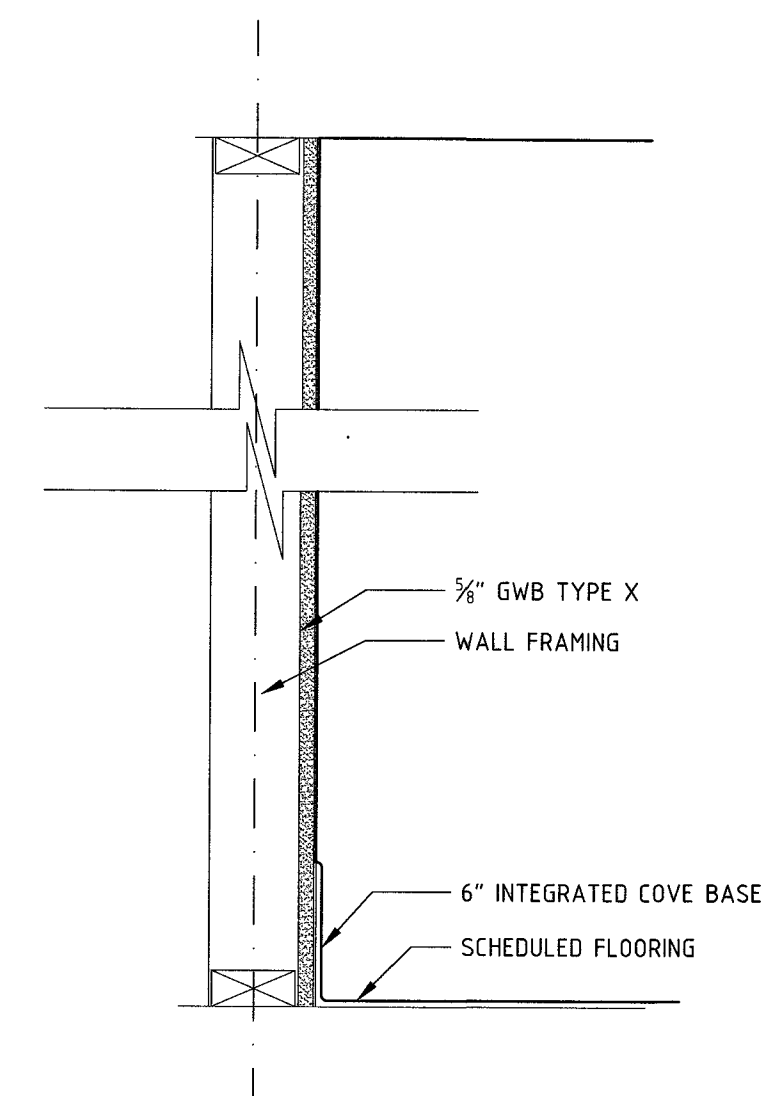
DO NOT SCALE THIS DRAWING. REFERENCE EQUIPMENT SPECIFICATIONS AND CUT SHEETS FOR ALL DIMENSIONS, UTILITIES, SERVICE ACCESS, REQUIRED CLEARANCES AND OTHER TECHNICAL INFORMATION



WALL TYPE A
1-1/2" = 1'-0"



WALL TYPE B
1-1/2" = 1'-0"



WALL TYPE C
1-1/2" = 1'-0"

#	DATE	ISSUE:
01	08-11-16	EQUIP. & ROUGH-INS
02	09-22-16	EQUIP. & ROUGH-INS
03	01-12-17	EQUIP. & ROUGH-INS ADJUST.

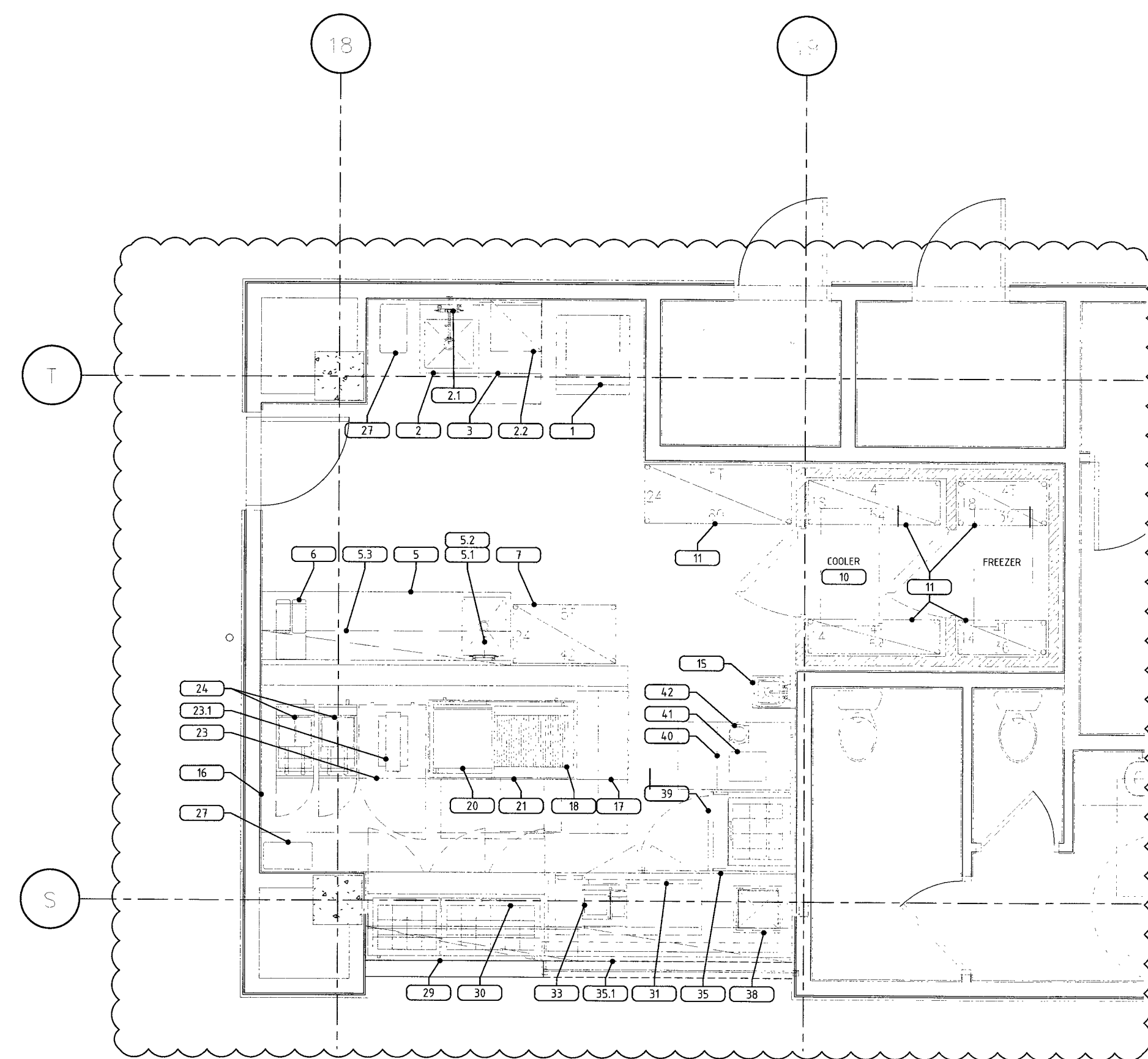
PROJECT NAME:
RITZ CARLTON CLUB
KIDS CLUB AND POOL CAFE
LIHUE, HI

FOOD SERVICE
WALL TYPES &
WALL TYPES PLAN

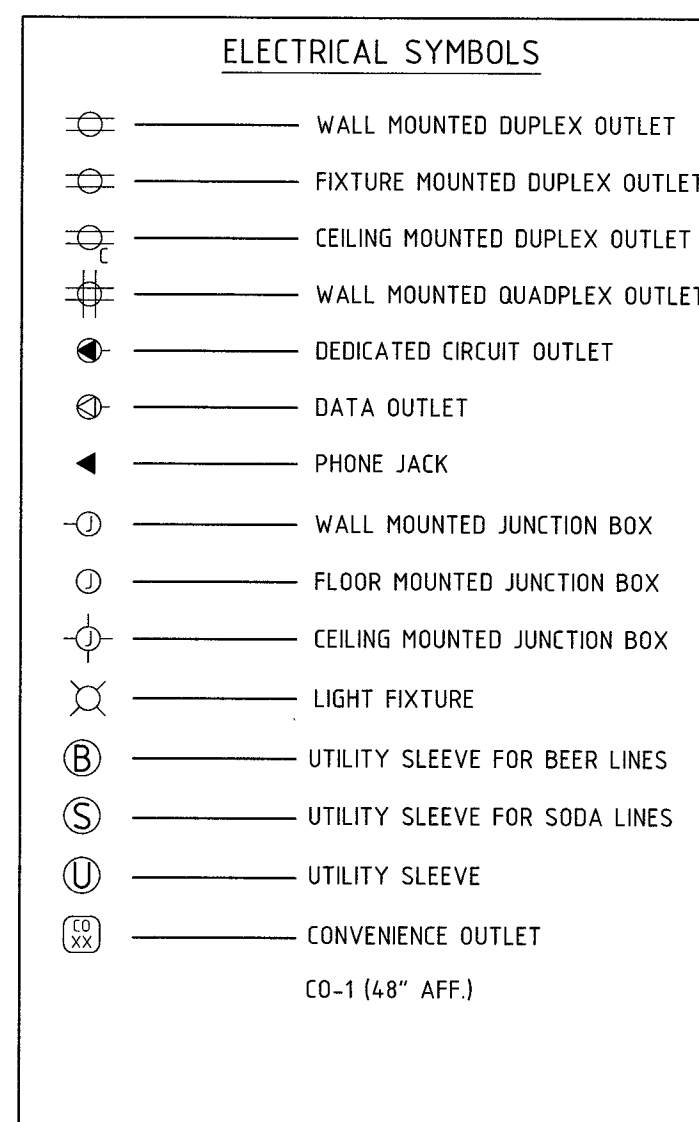
SCALE: AS NOTED	SHEET NUMBER: FS001
DATE: 01/12/2017	
DRAWN BY: RDC	



RESTAURANT PLANNING, DESIGN
AND PROJECT MANAGEMENT
3201 YATES ST. DENVER, CO 80212
P. 970.948.7004



1 EQUIPMENT PLAN : KITCHEN
1/4" = 1'-0"



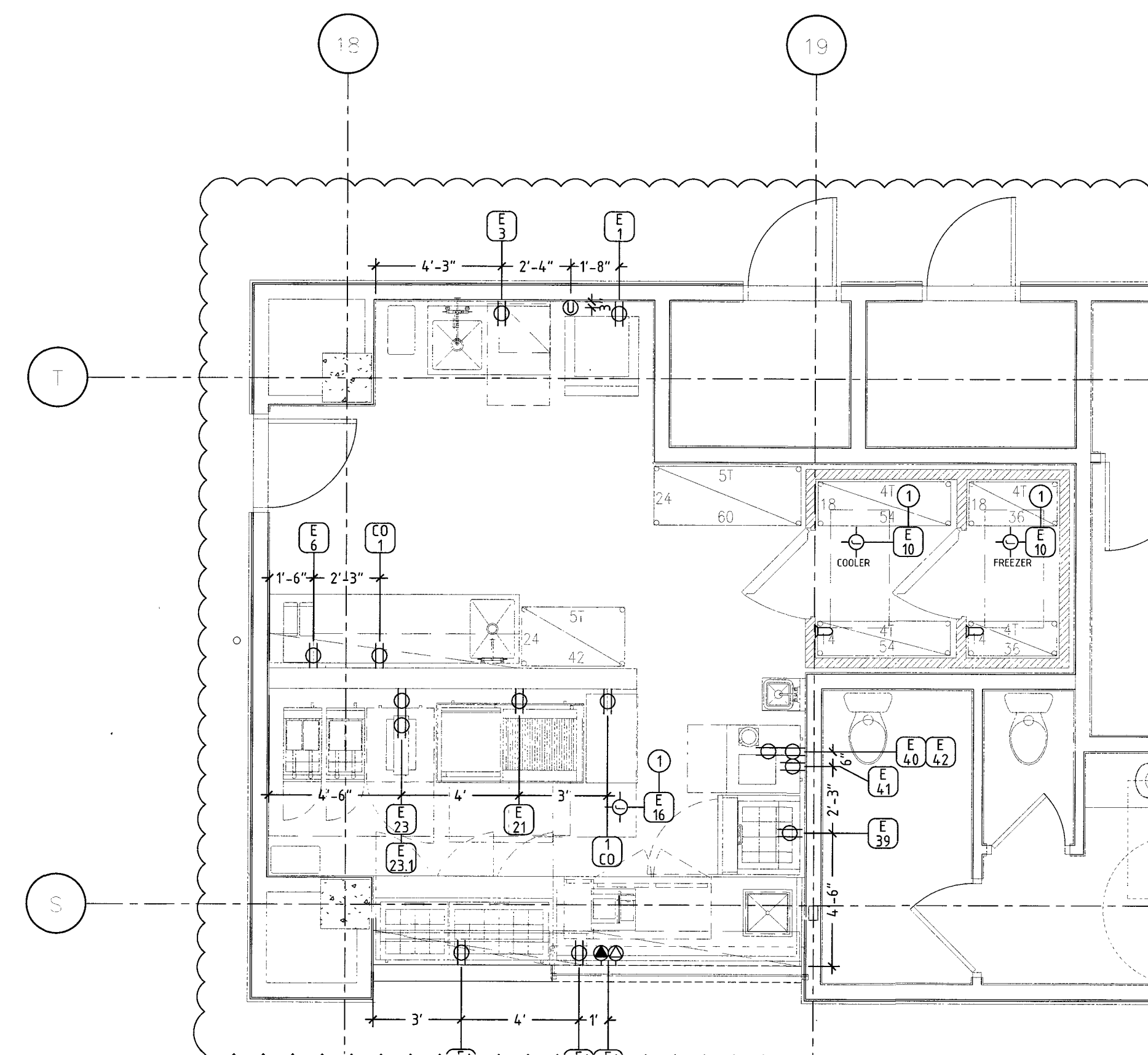
NOTES

- 1 VERIFY ELECTRICAL REQUIREMENTS WITH VENDOR DRAWINGS AND SPEC.
- 2 3" UTILITY SLEEVE WILL HOUSE POWER FOR REFRIGERATION LINES.

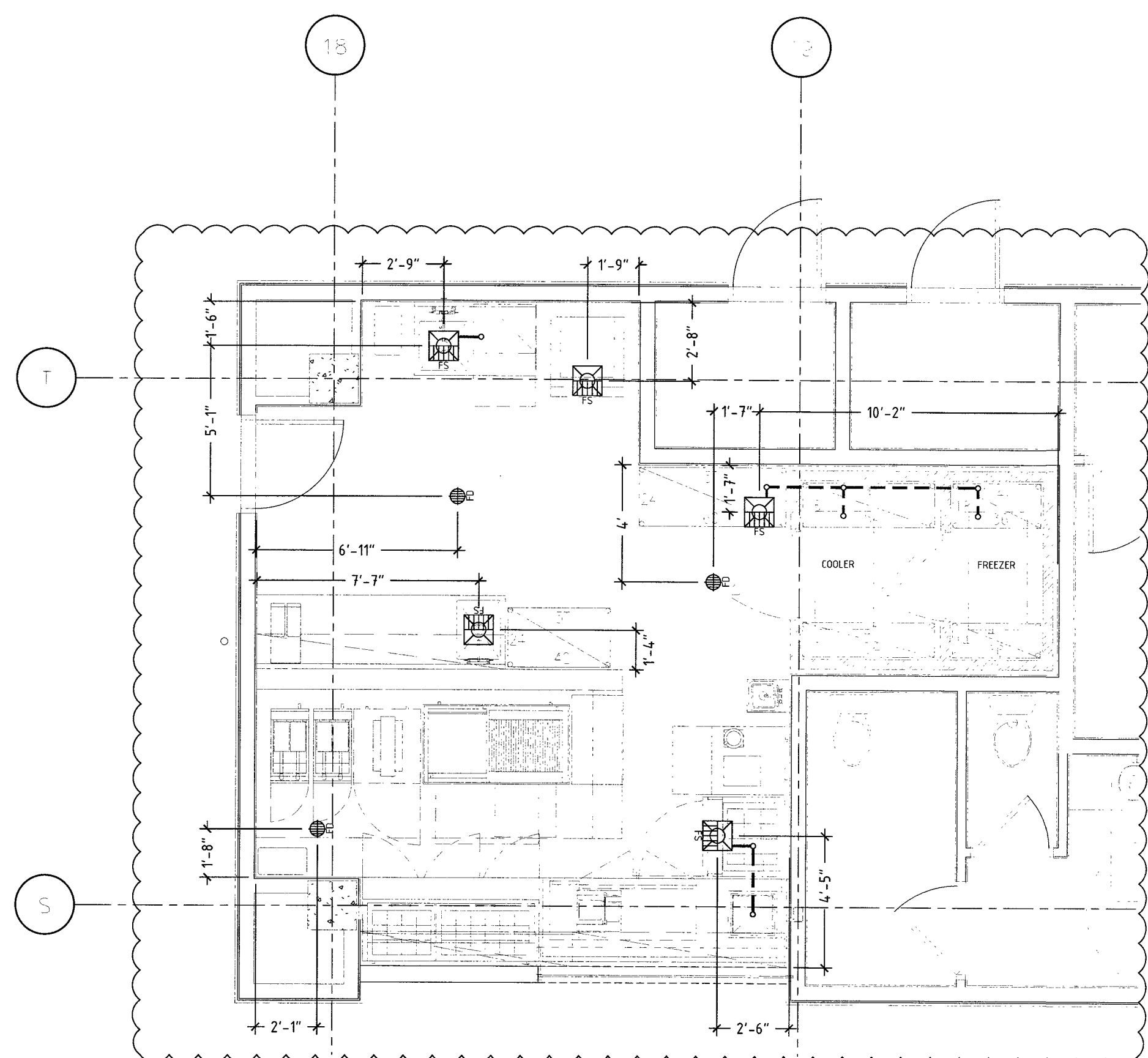
CONVENIENCE OUTLETS (CO-#) : 120/1 , 20 AMPS

REFER TO SHEETS FS500 FOR EQUIPMENT/UTILITY SCHEDULE

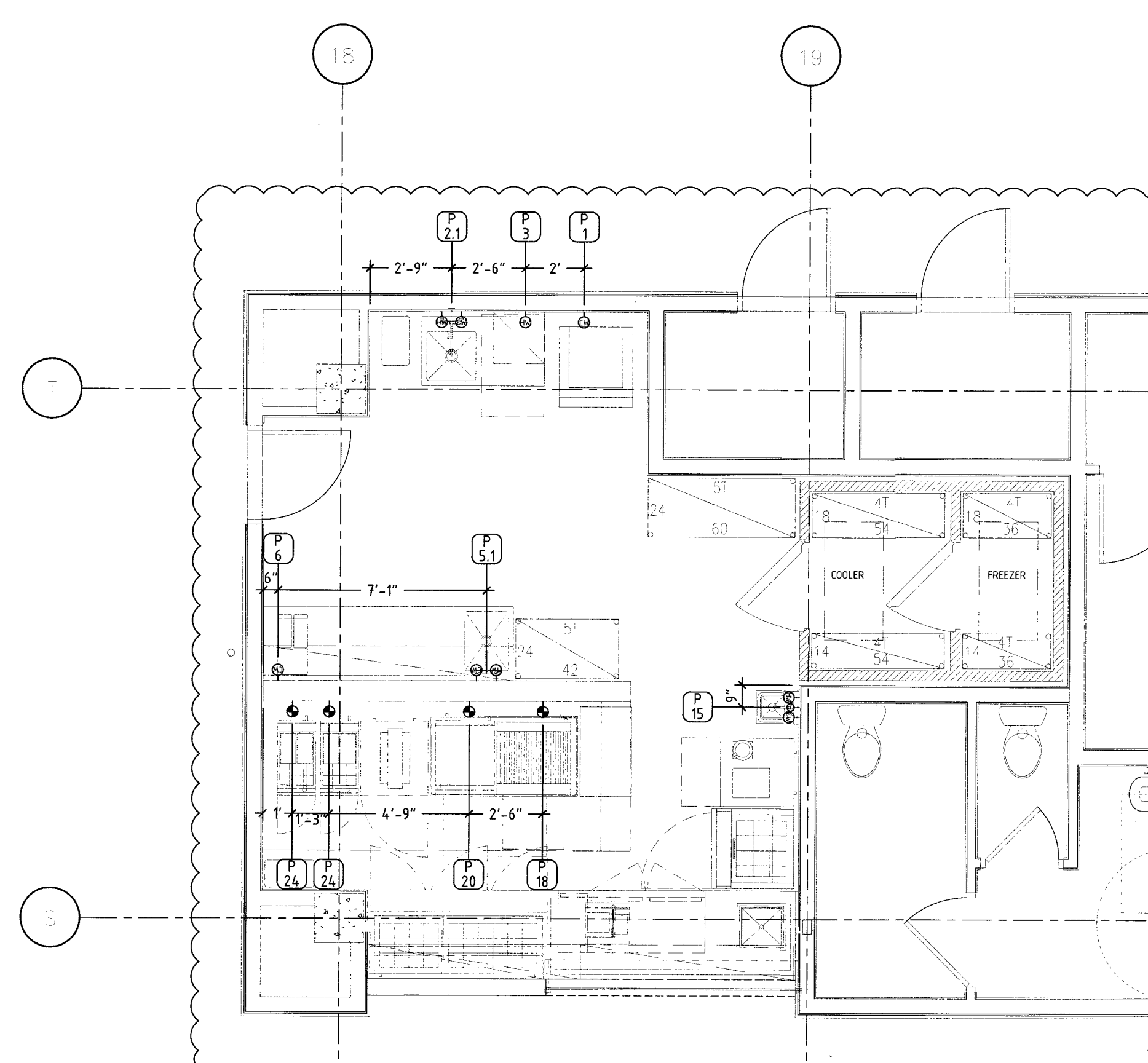
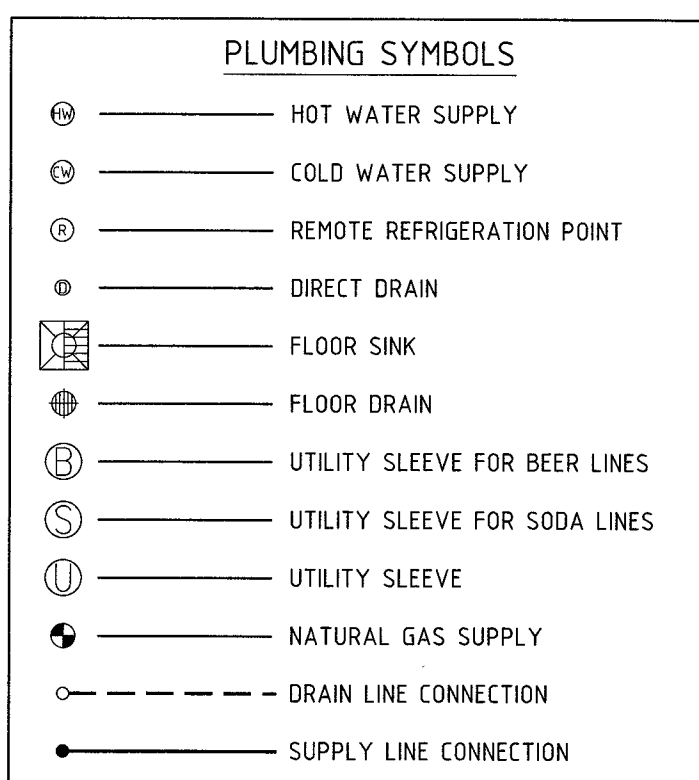
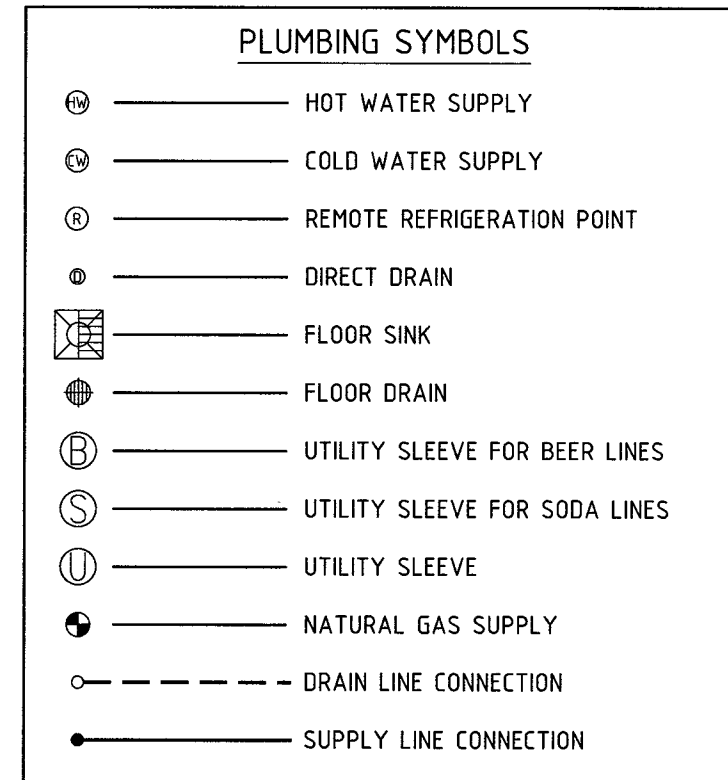
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2 ELECTRICAL PLAN : KITCHEN
1/4" = 1'-0"



3 PLUMBING PLAN FLOOR PENETRATIONS : KITCHEN
1/4" = 1'-0"



4 PLUMBING PLAN : KITCHEN
1/4" = 1'-0"

#	DATE	ISSUE:
01	08-11-16	EQUIP. & ROUGH-INS
02	09-22-16	EQUIP. & ROUGH-INS
03	01-12-17	EQUIP. & ROUGH-INS ADJUST.

PROJECT NAME:
**RITZ CARLTON CLUB
KIDS CLUB AND POOL CAFE
LIHUE, HI**

FOOD SERVICE
EQUIPMENT PLAN,
ELECTRICAL PLAN,
PLUMBING FLOOR PENETRATIONS,
AND PLUMBING PLAN

SCALE:
1/4" = 1'-0"

DATE:
01/12/2017

DRAWN BY:
RDC

SHEET NUMBER:
FS100



RESTAURANT PLANNING, DESIGN AND PROJECT MANAGEMENT
3201 YATES ST. DENVER, CO 80212
P. 970.948.7004

FOOD SERVICE EQUIPMENT / UTILITIES SCHEDULE																												
ITEM #	DESCRIPTION	QTY	PROVIDED BY				STEAM		NAT GAS				WATER						ELECTRIC						NOTES			
			EQUIP	OWNER	G.C.		INLET	RETURN	GAS	MBTU	CONN	AFF	CW	FCW	120° HW	140° HW	CONN	AFF	W	AFF	HP	AMP	KW	V / PH	CONN	NEMA	AFF	REF
1	ICE CUBER	1	•																									
2	SOILED DISH TABLE	1	•									1/2"			C,D	60"	FS				20.0		115/1	A		60"	3,14	
2.1	PRE-RINSE FAUCET	1	•									1/2"	1/2"		C,D	18"	FS											
2.2	WALL SHELF	1	•																									
3	DISHWASHER, UNDERCOUNTER	1		•										1/2"	C,D	18"	FS			1-1/2	20.0	2.3	115/1	A		18"	8	
4	SPARE NUMBER																											
5	PREP TABLE WITH SINK	1	•																									
5.1	FAUCET	1	•									1/2"	1/2"		C,D	18"	FS											
5.2	LEVER WASTE	1	•																									
5.3	WALL SHELF	1	•																									
6	TEA BREWER	1		•																								
7	WIRE SHELVING	1	•									1/2"			C,D	48"				VFY		VFY	A	VFY	48"	8,14		
8	SPARE NUMBER																											
9	SPARE NUMBER																											
10	WALK-IN COOLER/FREEZER	1	•																		VFY		VFY	C		CLG	1,3	
11	WIRE SHELVING	5	•																		VFY		VFY	C		CLG	1,3	
12	SPARE NUMBER																											
13	SPARE NUMBER																											
14	SPARE NUMBER																											
15	HAND SINK	1	•									1/2"	1/2"		C,D	18"	1-1/2"	24"			VFY		VFY	C	VFY	CLG	6	
16	EXHAUST HOOD	1	•																									
17	WORK TABLE	1	•																									
18	CHARBROILER	1	•							3/4"	75.0	C,E	18"														7	
19	SPARE NUMBER																											
20	GRIDDLE, COUNTERTOP	1	•							3/4"	60.0	C,E	18"														7	
21	REFRIGERATOR, EQUIPMENT STAND	1	•																		1/3	8.1		115/1	A	5-15P	12"	
22	SPARE NUMBER																											
23	FREEZER, UNDERCOUNTER	1	•																		1/3	5.0		115/1	A	5-15P	12"	
23.1	FRENCH FRY WARMER	1	•																		4.4	.5	120/1	A		48"		
24	FRYER	2	•							3/4"	105.0	C,E	18"														7	
25	GAS CONNECTOR	4	•																									
26	SPARE NUMBER																											
27	GARBAGE CAN	2	•																									
28	SPARE NUMBER																											
29	WALL SHELF	1	•																									
30	REFRIGERATOR, SANDWICH/SALAD PREP	1	•																		1/2	10.3		115/1	A	5-15P	18"	
31	BACK BAR COOLER	1	•																		1/4	6.5		120/1	A	5-15P	18"	
32	SPARE NUMBER																											
33	POS SYSTEM	1		•																	VFY		VFY	A	VFY	36"		
34	SPARE NUMBER																											
35	SERVICE COUNTER	1	•																									
35.1	WALL SHELF	1	•																									
36	SPARE NUMBER																											
37	SPARE NUMBER																											
38	DROP-IN ICE BIN	1	•																									
39	REFRIGERATOR, SANDWICH/SALAD PREP	1	•																									
40	FREEZER, UNDERCOUNTER	1	•																		1/5	3.3		115/1	A	5-15P	18"	
41	SHAVE ICE MACHINE	1	•																		1/3	5.0		115/1	A	5-15P	18"	
42	BAR BLENDER	1	•																			2.4	210	220/1	A		48"	
																					3	13.0	1.6	120/1	A		48"	

REMOTE REFRIGERATION SCHEDULE																										
ITEM #	DESCRIPTION	QTY	PROVIDED BY		INSTALLED BY		ELECTRIC				NOTES															
			EQUIP	INSTALLER	REF. CONTRACTOR	EQUIP. INSTALLER	REF CONTRACTOR	HP	AMP	KW		V / PH	MBTU	REMARKS												
1	ICE CUBER	1	•																	VFY	11.5	VFY	208-230/1	VFY		
10	WALK-IN COOLER/FREEZER	1	•																		VFY	VFY	208/1	VFY		

*REFRIGERATION SUB-CONTRACTOR TO CONFIRM AND VERIFY LINE SIZE, LENGTH OF RUN AND LOCATION OF REMOTE REFRIGERATION UNITS WITH ARCHITECT

CONNECTION SCHEDULE	REFERENCE NOTES
<p>A. CORD AND PLUG PROVIDED WITH EQUIPMENT.</p> <p>B. ELECTRICAL CONTRACTOR TO PROVIDE CORD AND PLUG SET.</p> <p>C. DIRECT CONNECTION BY PLUMBING AND/OR ELECTRICAL CONTRACTOR. FOR GAS AND WATER CONNECTIONS, PROVIDE SHUT-OFF VALVE AT EACH APPLIANCE.</p> <p>D. FLEXIBLE, BRAIDED WATER SUPPLY PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.</p> <p>E. PLUMBING CONTRACTOR TO INSTALL QUICK-DISCONNECT AND RESTRAINT, PROVIDED BY OTHERS.</p> <p>F. OWNER / VENDOR PROVIDED ITEM. VERIFY CONNECTION REQUIREMENTS.</p> <p>G. SEE SHOP DRAWINGS FOR CONNECTION REQUIREMENTS.</p> <p>H. PROVIDE DUAL 3/8" FLARED STOP FOR CONNECTION TO EQUIPMENT BY OWNER'S VENDOR.</p> <p>J. ALL COILS REQUIRE A 15 AMP BREAKER.</p> <p>K. CONVENIENCE RECEPTACLE, HORIZONTAL ORIENTATION UNLESS OTHERWISE NOTED.</p>	<p>1. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL 48" VAPOR PROOF, SURFACE-MOUNTED FLUORESCENT LIGHT FIXTURES IN ALL WALK-IN COOLER BOXES. SWITCH IN DOOR FRAME PROVIDED BY MANUFACTURER.</p> <p>2. ELECTRICAL CONTRACTOR TO PROVIDE 'ON/OFF' SWITCH AT COIL FOR LOCAL MAINTENANCE.</p> <p>3. SEE 'REMOTE REFRIGERATION SCHEDULE'. GENERAL CONTRACTOR TO COORDINATE ROUGH-IN PIPING WITH REFRIGERATION CONTRACTOR.</p> <p>4. ALL EXPOSED WIRING TO BE WATERPROOF.</p> <p>5. SEE SHOP DRAWINGS FOR ROUGH-IN REQUIREMENTS AND LOCATIONS.</p> <p>6. EXHAUST HOOD FIRE PROTECTION SYSTEM INSTALLER TO COORDINATE ROUGH-INS WITH GENERAL CONTRACTOR.</p> <p>7. GAS QUICK-DISCONNECT AND HOSE PROVIDED BY EQUIPMENT SUPPLIER, INSTALLED BY PLUMBING CONTRACTOR.</p> <p>8. OWNER / VENDOR PROVIDED ITEM. VERIFY ALL UTILITY REQUIREMENTS.</p> <p>9. PROVIDE 6" DIA. ELECTRICAL PVC BELOW FLOOR BETWEEN POINTS SHOWN ON PLAN. 24" MIN. SWEEP BENDS. STUB-UP 6" AFF.</p> <p>10. EXISTING EQUIPMENT, VERIFY ALL REQUIREMENTS IN FIELD.</p> <p>12. POS SYSTEM PROVIDE ISOLATED, DEDICATED, GROUNDED CIRCUIT. PROVIDE 3/2" CONDUIT WITH PULL WIRE. GENERAL CONTRACTOR TO COORDINATE WITH SYSTEM INSTALLER.</p> <p>13. PRE-WIRED, PRE-PLUMBED EQUIPMENT. SEE SHOP DRAWINGS.</p> <p>14. REQUIRES FILTERED, CONDITIONED WATER.</p> <p>15. SEE WIRING DIAGRAM FOR INTERCONNECTION BETWEEN REMOTE UNIT AND EQUIPMENT</p>

#	DATE:	ISSUE:
01	08-11-16	EQUIP. & ROUGH-INS
02	09-22-16	EQUIP. & ROUGH-INS
03	01-12-17	EQUIP. & ROUGH-INS ADJUST.

PROJECT NAME:
**RITZ CARLTON CLUB
KIDS CLUB AND POOL CAFE
LIHUE, HI**

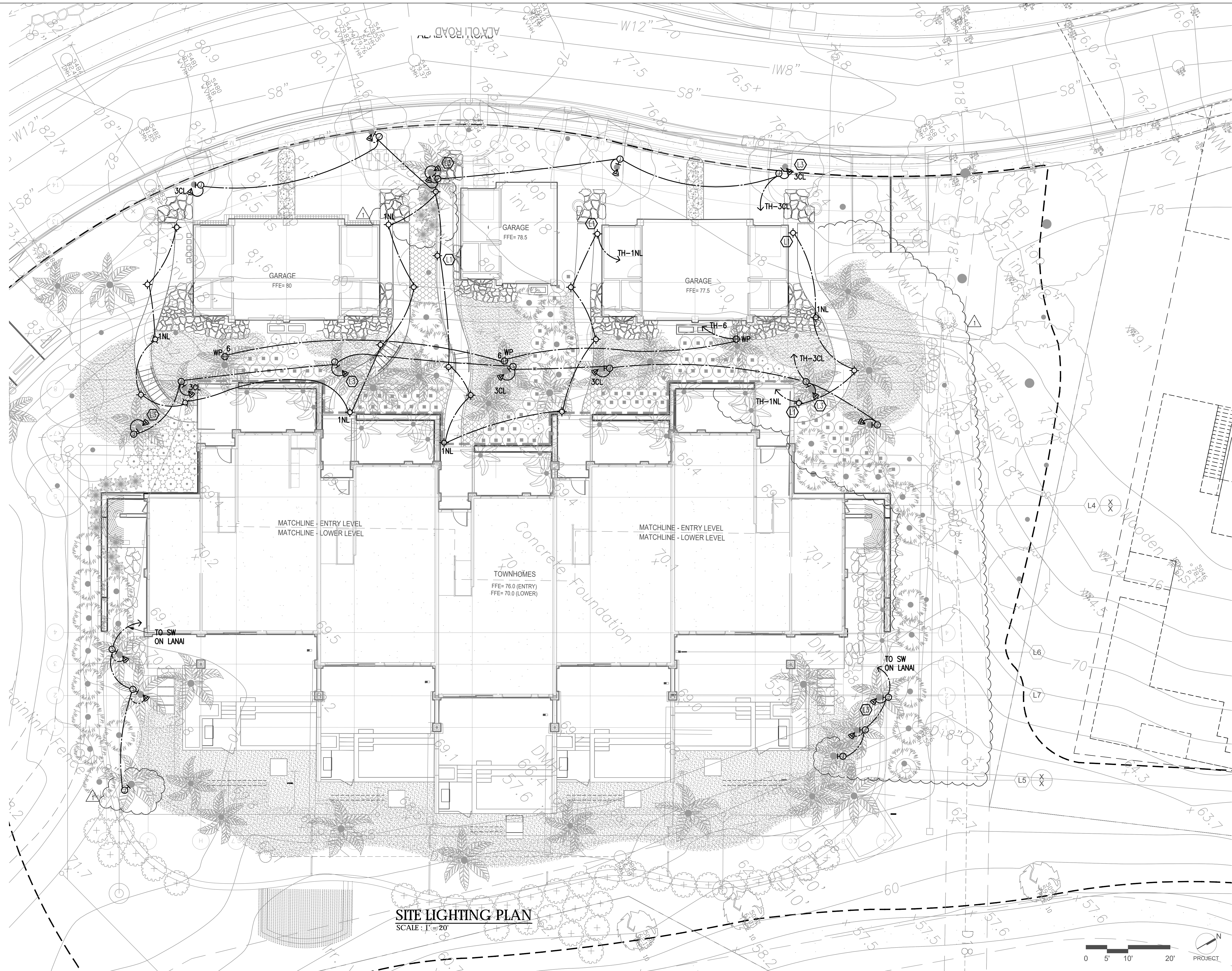
FOOD SERVICE
EQUIPMENT SCHEDULE

SCALE:
N/A

DATE:
01/12/2017

DRAWN BY:
RDC

SHEET NUMBER:
FS500

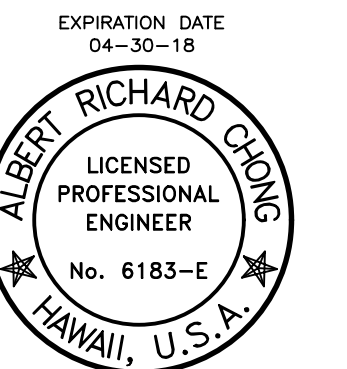


SITE LIGHTING PLAN
SCALE: 1" = 20'



605 EAST MAIN STREET
ASPEN, COLORADO 81611
{ T } 9 7 0 / 9 2 0 4 7 9 0 0
{ F } 9 7 0 / 9 2 0 2 8 9 0 0
Consultant

Albert Chong Associates Inc.
Consulting Electrical Engineers
and Lighting Designers
1117 Kapaehulu Avenue
Honolulu, Hawaii 96816
Telephone (808) 738-5355



EXPIRATION DATE
04-30-18
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION AND THE
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.

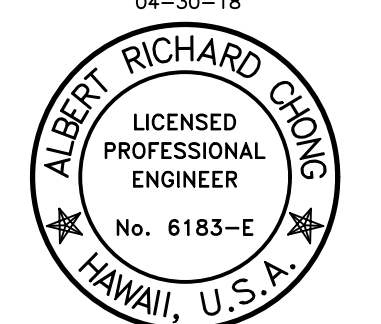
Issue:
August 1, 2017 CD Issue
NOVEMBER 17, 2017 ASI-002

**RITZ-CARLTON
RESIDENCES
TOWNHOMES**
LIHUE, KAUAI,
HAWAII

PROJECT
NO:
21505.23

SHEET
TITLE
**SITE LIGHTING
PLAN**

SCALE: AS NOTED



PANEL TA 120 / 240V SINGLE PHASE 3 WSN 200A LUGS ONLY					
2P175A MAIN BREAKER		BREAKER I.C. 10,000A			
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL	
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A *	LIGHTS - LOWER LEVEL BATHS, UTILITY	0.5		12
2	1P20A *	LIGHTS - UPPER LEVEL BATHS	0.4		12
3	1P20A *	LIGHTS - LOWER LEVEL KITCHEN, LIVING, DINING		1.0	12
4	1P20A *	LIGHTS - UPPER LEVEL ENTRY, STAIRS		0.6	12
5	1P20A	RECEP - MEDIA CAB	0.2		12
6	1P20A	SMOKE DETECTORS	0.2		12
7	1P20A *	RECEP - LIVING		1.8	12
8	1P20A *	RECEP - LIVING/DINING		1.0	12
9	1P20A	RECEP - LANAI/BBQ	0.6		12
10	1P20A *	RECEP - BEDROOM 3	1.8		12
11	1P20A *	RECEP - MASTER BEDROOM		1.8	12
12	1P20A *	RECEP - GUEST MASTER		1.8	12
13	1P20A *	RECEP - ENTRY, VANITY, EXTERIOR	0.8		12
14	1P20A	RECEP - MASTER BATH	0.6		12
15	1P20A	RECEP - GUEST MASTER BATH		0.6	12
16	1P20A	RECEP - BATH 3		0.6	12
17	1P20A	RECEP - LAUNDRY	0.2		12
18	1P20A	RECEP - WASHER	1.2		12
19	1P20A	RECEP - POWDER		0.2	12
20	1P20A	RECEP - KITCHEN COUNTER		0.2	12
21	1P20A	RECEP - KITCHEN COUNTER	0.2		12
22	1P20A	RECEP - KITCHEN COUNTER	0.2		12
23	1P20A	RECEP - KITCHEN REFRIG		1.2	12
24	1P20A	RECEP - KITCHEN MICRO		1.2	12
25	1P20A	RECEP - KITCHEN DISHWASHER	1.2		12
26	1P20A	RECEP - KITCHEN WINE	1.2		12
27	1P20A	RECEP - KITCHEN GAS RANGE		0.2	12
28	1P20A	DISPOSAL		1.2	12
29,31	2P30A	RECEP - DRYER	2.5	2.5	10
30,32	2P50A	RECEP - OVEN	4.0	4.0	8
33,35	2P20A	FCU'S - LOWER LEVEL	0.7	0.7	12
34,36	2P20A	FCU'S - UPPER LEVEL	0.7	0.7	12
37	1P20A**	POOL LIGHTING NL	0.3		10
38	1P20A	GWH	0.4		12
39	1P20A	SPARE			
40	1P20A	SPARE			
NOTES: 1. * ARC FAULT BREAKER 2. ** GFI BREAKER					
TOTALS			17.9	21.3	

PANEL TG 120 / 240V SINGLE PHASE 3 WSN					
2P200A MAIN BREAKER		BREAKER I.C. 10,000A			
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL	
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A	LIGHTS - GARAGE	0.2		12
2	1P20A	SPARE			
3	1P20A	RECEP - GARAGE		0.4	12
4	1P20A	SPARE			
5	1P20A	RECEP - GARAGE DOOR	0.2		12
6,8	2P40A	ACCU - 1 or ACCU - 2	4.2	4.2	8
7	1P20A	RECEP - CART CHARGER		1.2	12
9,11	2P70A*	PANEL P1, P2, P3, P4 OR P5	4.7	3.2	4
10,12	2P175A	PANEL TA/TB	19.9	22.7	2/0
NOTES: 1.* CONFIRM BREAKER SIZE (COORDINATE WITH WF ELECTRICAL DRAWINGS)					
TOTALS			29.2	31.7	

PANEL TB 120 / 240V SINGLE PHASE 3 WSN					
2P175A MAIN BREAKER		BREAKER I.C. 10,000A			
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL	
CKT NO.	BREAKER	LOAD	KVA		WIRE
			L1	L2	
1	1P20A *	LIGHTS - LOWER LEVEL BATHS, UTILITY, BEDRM 4	0.6		12
2	1P20A *	LIGHTS - UPPER LEVEL BATHS	0.4		12
3	1P20A *	LIGHTS - LOWER LEVEL KITCHEN, LIVING, DINING		1.0	12
4	1P20A *	LIGHTS - UPPER LEVEL ENTRY, STAIRS		0.6	12
5	1P20A	RECEP - MEDIA CAB	0.2		12
6	1P20A	SMOKE DETECTORS	0.2		12
7	1P20A *	RECEP - LIVING		1.8	12
8	1P20A *	RECEP - LIVING/DINING		1.0	12
9	1P20A	RECEP - LANAI/BBQ	0.6		12
10	1P20A *	RECEP - BEDROOM 3	1.8		12
11	1P20A *	RECEP - MASTER BEDROOM		1.8	12
12	1P20A *	RECEP - GUEST MASTER		1.8	12
13	1P20A *	RECEP - BEDROOM 4	1.8		12
14	1P20A	RECEP - ENTRY, VANITY, EXTERIOR	0.8		12
15	1P20A	RECEP - MASTER BATH		0.6	12
16	1P20A	RECEP - GUEST MASTER		0.6	12
17	1P20A	RECEP - BATH 3	0.6		12
18	1P20A	RECEP - BATH 4	0.6		12
19	1P20A	RECEP - LAUNDRY		0.2	12
20	1P20A	RECEP - WASHER		1.2	12
21	1P20A	RECEP - POWDER	0.2		12
22	1P20A	RECEP - KITCHEN COUNTER	0.4		12
23	1P20A	RECEP - KITCHEN COUNTER		0.4	12
24	1P20A	RECEP - KITCHEN COUNTER		0.4	12
25	1P20A	RECEP - KITCHEN REFRIG	1.2		12
26	1P20A	RECEP - KITCHEN MICRO	1.2		12
27	1P20A	RECEP - KITCHEN DISHWASHER		1.2	12
28	1P20A	RECEP - KITCHEN WINE		1.2	12
29	2P30A	RECEP - KITCHEN GAS RANGE	0.2		12
30	2P50A	DISPOSAL	1.2		12
31,33	2P30A	RECEP - DRYER	2.5	2.5	10
32,34	2P50A	RECEP - OVEN	4.0	4.0	8
35,37	2P20A	FCU'S - LOWER LEVEL	0.7	0.7	12
36,38	2P20A	FCU'S - UPPER LEVEL	0.7	0.7	12
39	1P20A**	POOL LIGHTING NL	1.0		10
40	1P20A	GWH		0.4	12
41	1P20A	SPARE			
42	1P20A	SPARE			
NOTES: 1. * ARC FAULT BREAKER 2. ** GFI BREAKER					
TOTALS			19.9	23.1	

PANEL TH 120 / 240V SINGLE PHASE 3 WSN						
100A LUGS ONLY		BREAKER I.C. 10,000A 20" WIDE CABINET, INDUSTRIAL-BOLTED				
HALF-WIDTH BREAKERS NOT PERMITTED		LOAD-CENTER WITH DOOR		FLUSH ENCL		
CKT NO.	BREAKER	LOAD	KVA		WIRE	
			L1	L2		
1	1P20A	LIGHTS - PATHWAYS	NL	0.3	10	
2	1P20A	RECEP - TEL CAB		0.2	12	
3	1P20A	LIGHTS - TREE MOUNTED	CL		0.3	10
4	1P20A	RECEP - CATV CAB			0.2	12
5	1P20A	LIGHTS - PATHWAYS	NL	0.2	10	
6	1P20A	RECEP - EXTERIOR		0.6	10	
7	1P20A	IRR CONTROLLER			0.2	10
8	1P20A	LIGHTS - GARAGE EXTERIOR	NL		0.3	12
9	1P20A	RECEP - POOL EQUIP AREA		0.4	10	
10	1P20A	SPARE				
11	1P20A	SPARE				
12	1P	FIRE PROTECTION SYSTEMS			0.1	12
13	1P	PFB				
14	1P	PFB				
15	1P	PFB				
16	1P	PFB				
17	1P	PFB				
18	1P	PFB				
19	1P	PFB				
20	1P	PFB				
21	1P	PFB				
22	1P	PFB				
23	1P	PFB				
24	1P	PFB				
TOTALS				1.7	1.1	

LUMINAIRE SCHEDULE		
TYPE	LAMP	DESCRIPTION
TA	13W/LED/30K	HALO H457TATE010-EL406930-TL411WB
TB	13W/LED/30K	HALO H457TATE010-EL406930-TL408WW
TC	13W/LED/30K	HALO H457TATE010-EL406930-TL411WB
TD	13W/LED/30K	HALO H457TATE010-EL406930-TL411WB
TE	13W/LED/30K	HALO H457TATE010-EL406930-TL411WB
TF	13W/LED/30K	HALO H457TATE010-EL406930-TL411WB
TG	2.3W/LED/30K	EDGE LC45-24V-24IN-D-WW-WH WITH PSB-60W-ELV-24VDC
TH	4.4W/LED/BLUE	QTRAN IQ20-BL-50-4.4 (6") WITH IQA-WIDE EXTRUSION (6") AND REMOTE DRIVER
TI	2.7W/LED/30K	TIVOLI TPL-SB-3.0-30-C-24 WITH REMOTE POWER SUPPLY AND TPL-AL-CHAN-3A-4 CHANNEL
TJ	13W/LED/30K	HALO H457TATE010-EL406930-TL410TBZ
TK		KITCHEN ISLAND COUNTER PENDANT (ID NO. 40-605) HINKLEY LIGHTING FULTON MODEL 3351DZ (OFCI)
TL	13W/LED/30K	HALO H457TATE010-ELG406930WH WITH TL412RK
TM	4.4W/LED/30K	TIVOLI TPL-HC-4.4-0-30-C-24 WITH DIM-OT AND ADMN POWER SUPPLY, MICRO-CHAN-01-6.5 CHANNEL
TN		VANITY SCONCES (ID NO. 40-611) V.C. & CO BRYANT BATH SCONCE TOB2015PN-WG (OFCI)
TO	8W/LED/30K	LIGHTWAY BWW-8-LED-U-8W-2-B1-CTP
TP		ENTRY PENDANT (ID NO. 40-623) MADE GOODS CHANDELIER MODEL CARMEN (OFCI)
TQ	8W/LED/30K	EXTERIOR SCONCE (ID NO. 40-621) HINKLEY LIGHTING SHELTER 1344BK (OFCI)
TR	25W/LED/30K	METALUX 4SNLED-LD4-27SL-LW-UNV-L830-CD1
TS	14W/LED/30K	LIGHTWAY CJRC-11-LED-U-14W-2-W99-WSP
TT		FOYER DECORATIVE PENDANTS (ID NO. 40-622) TROY-CSL LIGHTING BENNINGTON (OFCI)
TU		BATH PENDANT (ID NO. 40-610) RESTORATION HARDWARE HEATH FLUSHMOUNT (OFCI)
TV	LED/27K	VISTA PRO 1502-GB-B-W-MV-CP
TW		BBQ LIGHT (OFCI, TBD)
TX	2.9W/LED/30K	LIGHTHEADED 2-502-T-01-BRO20-30-9008-HC-WP WITH SEPARATE CIRCUIT FOR EACH LED HEAD
TY		EXTERIOR SHOWER SCONCE (OFCI, TBD)
TZ		DINING PENDANT (ID NO. 40-604) RESTORATION HARDWARE PAULLAC LINEAR CHANDELIER (OFCI)
TAA		POWDER ROOM VANITY SCONCE (ID NO. 40-626) V.C. & CO BRYANT 4-LIGHT BATH SCONCE TOB2153BZ-WG (OFCI)
TAB		BEGA 66 834 WHITE
L1	3W/LED/27K	BK LIGHTING LITESTICK B-LT-18-LED-E70-MAC-A18-GS
L2		NOT USED
L3	5W/LED/25 DEG FLOOD	BEACHSIDE LIGHTING L-011-5W-FL-TDM2SS-48

Attachment D

Current tour brochure (will be
revised in future)

Timbers/Hokuala Avian Check List

Alphabetically Listed by Sections

Hawaiian Endangered Species*

___ Common Gallinule*

___ Hawaiian Coot*

___ Hawaiian Stilt*

___ Hawaiian Owl (Pueo)*

___ Hawaiian Duck (Koloa)*

___ Nene* ___ Goslings*

Seabirds & Shorebirds

___ Great Frigate Bird

___ Ruddy Turnstone

___ Sanderlings

___ Pacific Plover

___ Wandering Tattler

___ Short Tailed Plover

___ Red-tailed Tropicbird

___ White-tailed Tropicbird

___ Bristle-thighed Curlew*

___ Newell's Shearwater*

___ Wedge-tailed Shearwater

___ Band-rumped Storm Petrel*

Common Birds on Property (& Origins)

___ Black-crowned Night Heron
(North America)

___ Chestnut Manikin
(SE Asia)

___ Common Barn Owl
(Europe)

___ Common Mynah
(Asia)

___ Cattle Egret
(Africa)

___ Feral Chickens (Moa)
(Early Polynesians)

___ House Sparrow
(Europe, Asia)

___ House Finch
(North America)

___ Japanese White-eye
(East Asia)

___ Java Sparrow
(Indonesia)

___ Laced Neck Dove
(Southern Asia)

___ Mockingbird
(N. America)

___ Northern Cardinal
(South America)

___ Nutmeg Manikin
(North & South America)

___ Red Avadavat
(India)

___ Red Crested Cardinal
(South America)

___ Rock Dove (Pidgeon)
(Europe))

___ Rose-winged Parakeet
(Southern India)

___ Saffron Finch
(South America)

___ Western Meadowlark
(North America)

___ White-rumped Shama
(India-Asia)

___ Chinese Thrush
(China-Vietnam))

___ Zebra Dove
(S/E Asia)

Visiting Geese-Gulls-Cranes-Ducks

___ Canadian Goose

___ Cackling Goose

___ Snow Goose

___ Brandt Goose

___ Demoiselle Crane

___ Pied-billed Grebe

___ Glaucous Gull

___ Laughing Gull

___ Ringed bill Gull

___ Ruddy Shelduck

___ Muscovy Duck

___ Mallard Duck

Sea Life

___ Hawaiian Monk Seal*

___ Green Sea Turtle*

___ Humpback Whale

___ Spinner Dolphins

Timbers Endangered Species



Hawaiian Nene Goose (family)



Hawaiian Coot



Common Gallinule



Hawaiian Stilts



Hawaiian (Koloa) Ducks

Seabirds & Shoreline Birds



Great Frigate Bird



Ruddy Turnstone



Pacific Plover (adult)



Pacific Plover (juvenile)



Red tailed Tropic bird (shoreline)



White tailed Tropic bird (mountain)



Wandering Tattler



Sanderlings

Seabirds & Shorebirds



Bristle-thighed Curlew



Band-rumped Storm Petrel



Newell's Shearwater



Wedge-tailed Shearwater



Short-tailed Plover



Glaucous Gull



Laughing Gull



Ringed-bill Gull

Common Birds on Property



Jungle Fowl (chickens)



Western Meadowlark



White-rumped Shama (male)



Shama (female)



Laced Neck (Spotted) dove



Zebra Dove



Northern Cardinal



Red-crested Cardinal

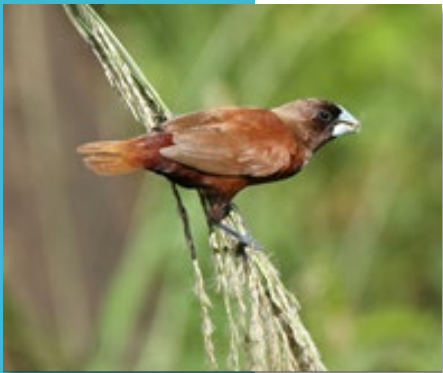
Common Birds on Property



Black-crowned Night Heron (adult)



Black-crowned Night Heron (juvenile)



Chestnut Manikin



Nutmeg Manikin



Java Sparrow



House Sparrow



House Finch (pair)



Rose-ringed Parakeet

Common Birds on Property



Saffron Finch



Common Mynah



Mockingbird



Red Avadavat (Strawberry Finch)

Owls



Pueo (Hawaiian Short-eared Owl)



Common Barn Owl

Visiting Geese-Cranes-Ducks



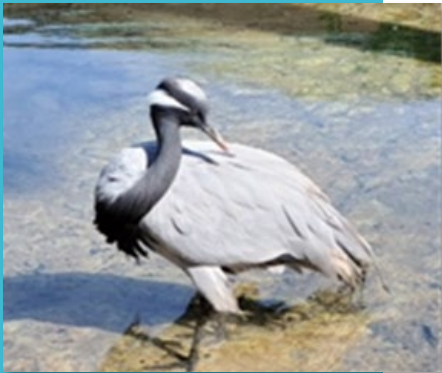
Cackling Goose



Canadian Goose



Snow Goose



Demoiselle Crane 11/2019



Pied-billed Grebe



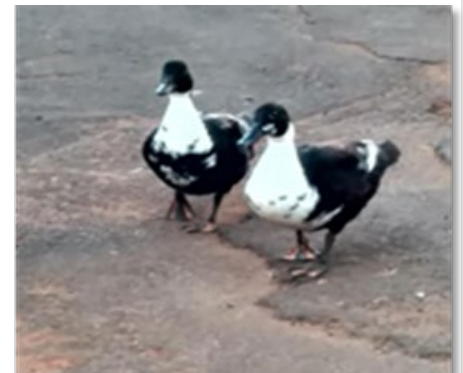
Brandt Goose



Mallard (pair)



Ruddy Shelduck



Muscovy Ducks

Other Endangered Species Found at Timbers



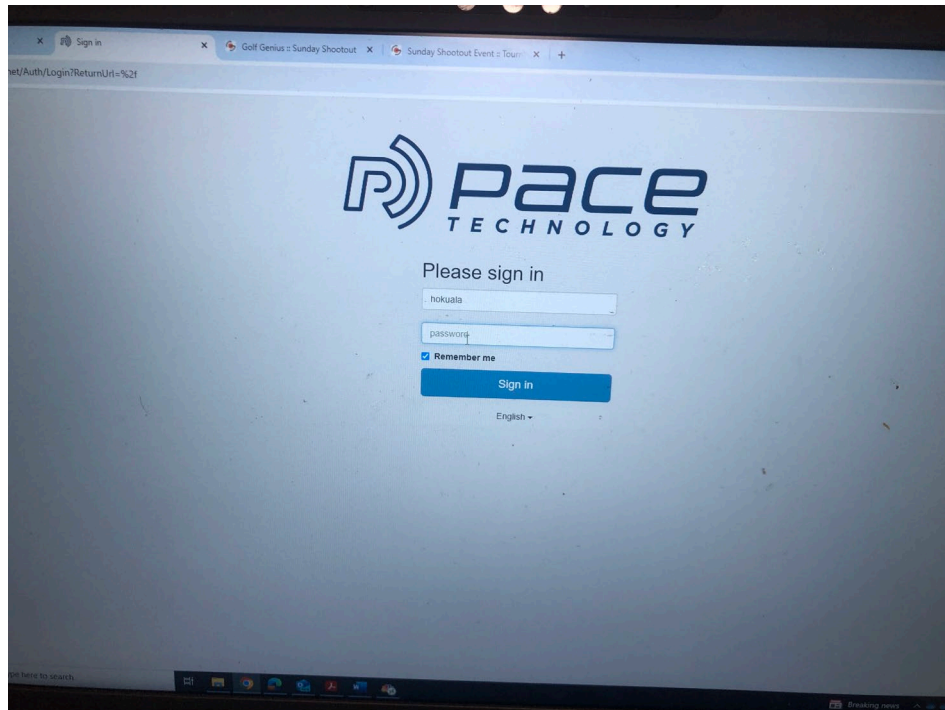
Hawaiian Monk Seals



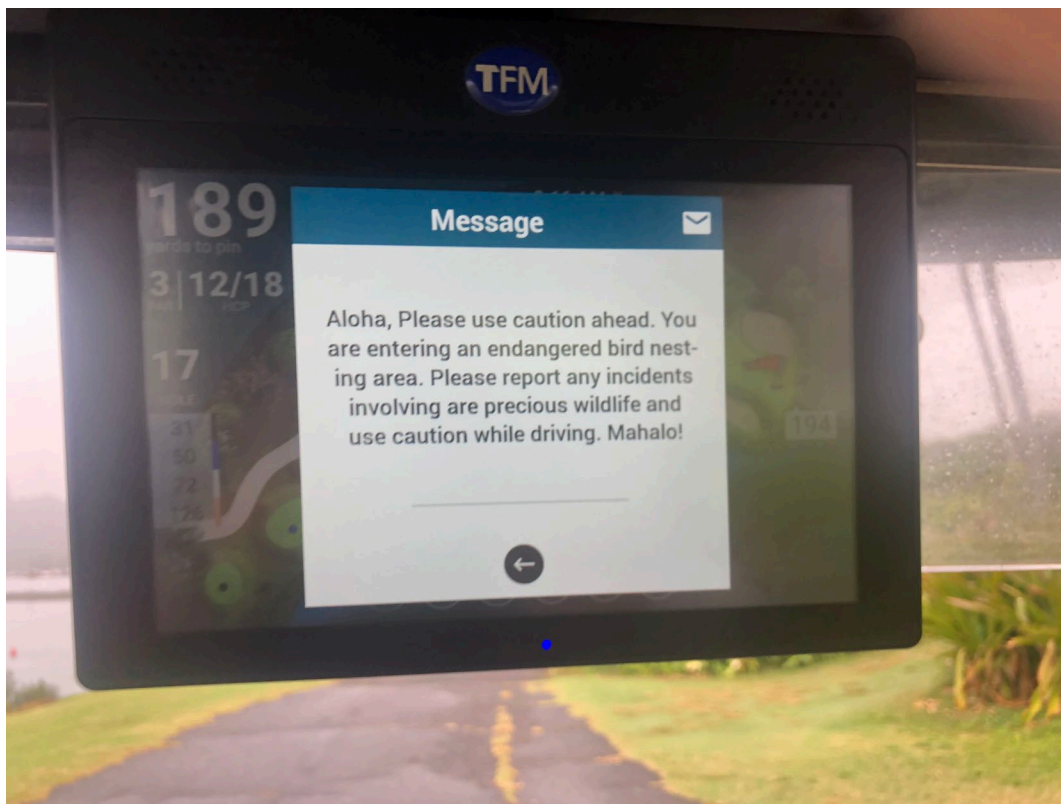
Green Sea Turtles

Attachment E

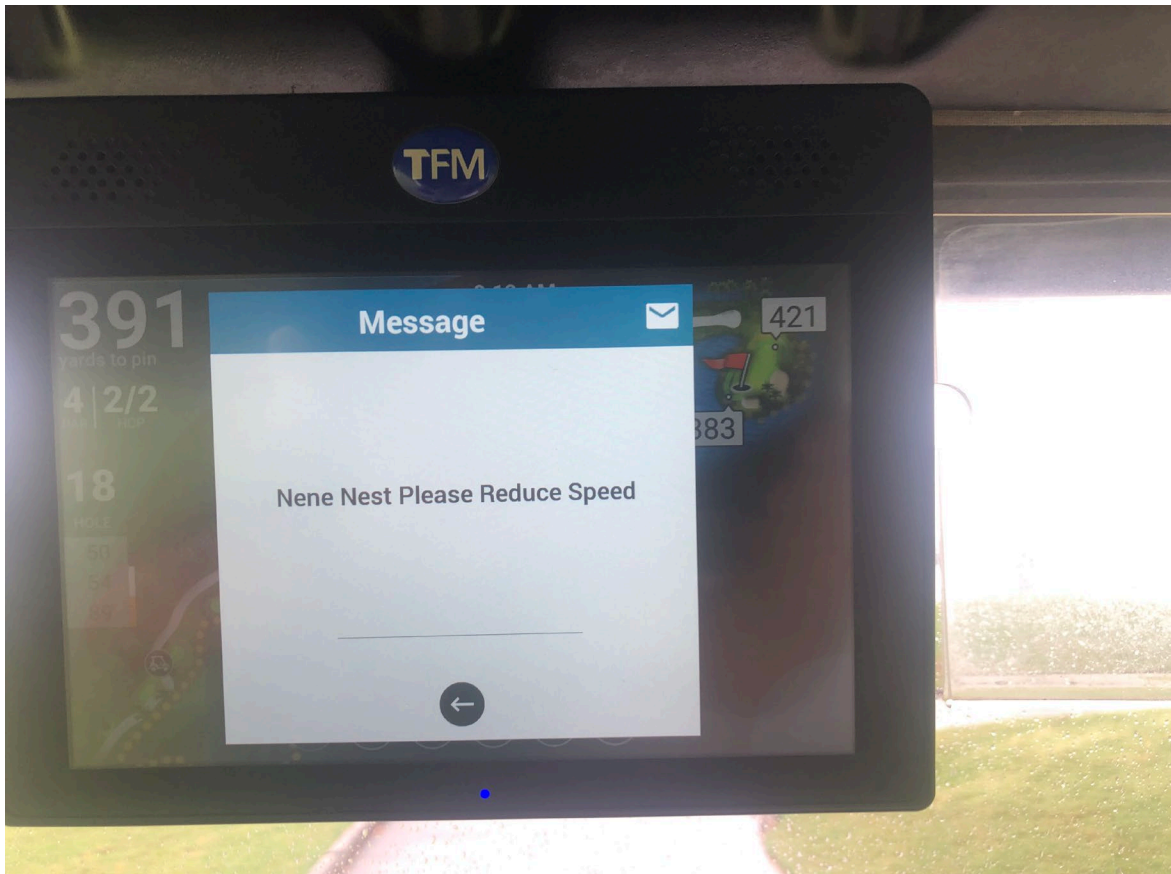
Pace Technology installed on
every golf cart



Pace Technology System provided on every golf cart used by players.



One of two messages that appear on each cart screen when entering limited use areas on course.



Second message that appears when entering limited use areas on course. Reduce speed required when entering limited use areas. Golfers need to tap the screen to turn the notice off.



Carts automatically reduce speed when entering red areas. If cart speed is over 7 mph, cart will shut down automatically.



Typical signage along cart path in regulated speed zones.



Signage posted when nēnē nest is present anywhere on property.

Attachment F

FY 2021 – 2022 HCP Training
Logs

Endangered Species Training Log
Kenneth Shioi & Subs by Date
January 1, 2022 to June 30, 2022

Print Name Clearly	Date	Shioi or Sub	New	Ref
Bunao, Arnold	2-16-22	K. Shioi	x	
Caraang, Helito	2-16-22	K. Shioi	x	
Gali, Anthony (Tony)	2-16-22	K. Shioi	x	
Gray, Dante	2-16-22	K. Shioi	x	
Hoffmeyer, Timothy	2-16-22	K. Shioi	x	
Landagora, Jess	2-16-22	K. Shioi	x	
Paik, Ryan	2-16-22	K. Shioi	x	
Perez, Pono	2-16-22	K. Shioi	x	
Semana, Bernie	2-16-22	K. Shioi	x	
Semana, Herbert	2-16-22	K. Shioi	x	
Semana, Jessie	2-16-22	K. Shioi	x	
Sergieff, Cain	2-16-22	K. Shioi	x	
Taniguchi, Kawehi	2-16-22	K. Shioi	x	
Ve, Alicia	2-16-22	K. Shioi	x	
Akana, Cale (Bud)	3-8-22	K. Shioi	x	
Anama, Ryan	3-8-22	K. Shioi	x	
Cole, Twayne	3-8-22	K. Shioi	x	
Courtland, Clark (Courtney)	3-8-22	K. Shioi	x	
Dela Cruz, Cyris	3-8-22	Earthworks	x	
Farias-Kaahanui, Linda	3-8-22	Kauai Veteran's Express	x	
Fernandes, Russell	3-8-22	Kauai Veteran's Express	x	
Gray, George	3-8-22	K. Shioi	x	
Machado, Devin	3-8-22	K. Shioi	x	
McCorriston, Daniel (Kane)	3-8-22	K. Shioi	x	
Menino, John	3-8-22	Earthworks	x	
Murashige, Conrad	3-8-22	K. Shioi	x	
Murayama, Cora	3-8-22	K. Shioi	x	
Narcisco, Fresco	3-8-22	Kauai Veteran's Express	x	
Rivera, Stephen (Haku)	3-8-22	Kauai Veteran's Express	x	
Sakamoto, Rysan	3-8-22	Kauai Veteran's Express	x	
Shioi, Roy	3-8-22	K. Shioi	x	
Tachera, Joey	3-8-22	K. Shioi	x	
Takahama, Tyler	3-8-22	K. Shioi	x	
Tsuyama, Tyler	3-8-22	K. Shioi	x	
Yamamoto, Kelsey	3-8-22	Earthworks	x	
Foster, Jeremy	3-15-22	Mr. T's Pest Control	x	
Garma, Christopher	3-15-22	Mr. T's Pest Control	x	
Sasil, Dazmon	3-15-22	Mr. T's Pest Control	x	
Almodova, Michael	3-16-22	Action Electric		x
Donner, Lou	3-16-22	Action Electric		x
Hashimura, Reese	3-16-22	Action Electric		x

Kawaihalau, Wally Jr.	3-22-22	K. Shioi	x	
Brown, Tyrone	3-22-22	Esaki Surveying	x	
Ogle, John	3-22-22	Esaki Surveying	x	
Galdeira, Cyrus	3-22-22	Gordon Mechanical	x	
Morris-Aguon, Dylan	3-22-22	Gordon Mechanical	x	
Olivarez, David	3-22-22	Gordon Mechanical	x	
Sarmiento, Zaydon	3-22-22	Gordon Mechanical	x	
Talbo, Travis	3-22-22	Gordon Mechanical	x	
Makaneole, George	3-22-22	Artistic Builders (Fencing)	x	
Agoun, Layton	4-5-22	Gordon Mechanical	x	
Tokuuke, Val	4-15-22	K. Shioi	x	
McCleary, David	4-22-22	K. Shioi	x	
Duldalao,Shayden	4-22-22	Custom Cooling	x	
Greenleaf, Shem	4-22-22	Custom Cooling	x	
Laborte, Bronson	4-22-22	Custom Cooling	x	
Lopes, Alton	4-22-22	Custom Cooling	x	
Matsuda, Kurt	4-22-22	Custom Cooling	x	
Rapozo, Justin	4-22-22	Custom Cooling	x	
Tubon, Kenneth	4-22-22	Custom Cooling	x	
Tubon, Kevin	4-22-22	Custom Cooling	x	
McCleary	4-22-22	Custom Cooling	x	
Aguon-Kona, Java	5-5-22	Unrivald Inc. (concrete)	x	
Balmores, Meha	5-5-22	Unrivald Inc. (concrete)	x	
Batalona, Isaiah	5-2-22	Simmon's Steel	x	
Cabinatan, Leonard	5-5-22	Unrivald Inc. (concrete)	x	
Comilang, Kurt	5-5-22	Aloha Island Movers	x	
Costa, Eric	5-5-22	Unrivald Inc. (concrete)	x	
Gohier, Nat S.K. II	5-2-22	Simmon's Steel	x	
Kaeo, Laura	5-5-22	Mid Pac Engineering	x	
Knapp, James	5-5-22	Unrivald Inc. (concrete)	x	
Mersberg, Kunane	5-5-22	Unrivald Inc. (concrete)	x	
Mersberg, Kunane	5-5-22	Unrivald Inc. (concrete)	x	
Mundon, Dustin	5-5-22	K. Shioi	x	
Nakasone, Mike	5-2-22	Simmon's Steel	x	
Okuno-Henderson, Laakea	5-5-22	Unrivald Inc. (concrete)	x	
Perez, Christian	5-5-22	K. Shioi	x	
Perreira, Kiely	5-5-22	Unrivald Inc. (concrete)	x	
Pimental, Troy	5-5-22	Unrivald Inc. (concrete)	x	
Pompa, Eric	5-5-22	Unrivald Inc. (concrete)	x	
Subeldia, Nathan	5-5-22	Simmon's Steel	x	
Sugimura, Floyd Jr.	5-5-22	Unrivald Inc. (concrete)	x	
Ventura, Alike	5-5-22	Unrivald Inc. (concrete)	x	
Parr, Kevin	5-12-22	Unrivald Inc. (concrete)	x	

Takekana, Randall	5-12-22	Unrivaled Inc. (concrete)	x	
Reynolds, Alijah	5-18-22	Geolabs	x	
Taber, Dominic	5-18-22	Geolabs	x	
Comilang, Kurt	5-23-22	Aloha Island Movers	x	
Perreira, Robin	5-27-22	Wasa Electric	x	
Villanueva, Dustin	5-27-22	Wasa Electric	x	
Samio, Ryan	5-27-22	Wasa Electric	x	
Chow, Teo	5-27-22	Wasa Electric	x	
Prem, Casey	5-27-22	Wasa Electric	x	
Sumida, Travis	5-27-22	Wasa Electric	x	
Purguana, Jessie	6-3-22	Tory's Roofing	x	
Madama, Romeo	6-3-22	Tory's Roofing	x	
Orial, Dovennie	6-10-22	K. Shioi	x	
Texeira, Allan	6-10-22	K. Shioi	x	
Reyes, Nick	6-13-22	K. Shioi	x	
Sandal, Jonah	6-13-22	K. Shioi	x	
Parrisa, Elijah	6-15-22	Tory's Roofing	x	
Bunao, Chris	6-16-22	K. Shioi	x	
DeJordan, Ryon	6-16-22	Gordon Mechanical	x	
Gordon, Titus	6-16-22	Gordon Mechanical	x	
Pukini, Aaron	6-16-22	Gordon Mechanical	x	
Pukini, Gary	6-16-22	Gordon Mechanical	x	
Shigeta, Travis	6-16-22	K. Shioi	x	
Shigeta, Travis	6-16-22	K. Shioi	x	
Amaki, Garrik	6-21-22	K. Shioi	x	
Ragasa, Greg	6-21-22	K. Shioi	x	
Sweet, Kawika	6-21-22	K. Shioi	x	
Briones, George	6-29-22	WASA Electric	x	
Bohem, Joseph	7-5-22	Tory's Roofing	x	
Fune, Justin	7-5-22	Shioi	x	
Southam, Daniel	7-12-22	Tory's Roofing	x	
Southam, Mike	7-12-22	Tory's Roofing	x	
Kaai, Dandall	7-18-22	Shioi	x	
Agno, Edwin	7-20-22	K. Shioi	x	
Murray, Paul	7-20-22	Kauai Nursery	x	
Alayvilla, Micah	8-1-22	Danny's Concrete	x	
Hirokane, Levi	8-8-22	Shioi	x	

Ragasa, Chris	8-8-22	K. Shioi	x	
Bardago, Brendon	9-8-22	Creative Partition System	x	
Hookaiea, Jason Poe	9-8-22	K. Shioi	x	
Kali Jr., Mitchell	9-8-22	Creative Partition System	x	
Kanealii, David	9-8-22	K. Shioi	x	
Mamaclay, Sean	9-8-22	K. Shioi	x	
Nagahisa, Isaac	9-8-22	Creative Partition System	x	
Nagahisa, Jason	9-8-22	CPS	x	
Shimabukuro, Caden	9-8-22	Creative Partition System	x	
Shimabukuro, Caden	9-8-22	K. Shioi	x	
Texeira, Kawika	9-8-22	Creative Partition System	x	
Akiona, Kien	9-12-22	Shioi	x	
Vegas, Sam	9-12-22	K. Shioi	x	
Cardines, Michael	9-13-22	Kauai Nursery	x	
Savin, Ben	9-13-22	Kauai Nursery	x	
Tasaka, Bert	9-20-22	NPCL		
Barr, Brandy	9-27-22	Tory's Roofing	x	
Dulay, Richard	9-27-22	Tory's Roofing	x	
Guzmon, Victorino	9-27-22	Tory's	x	
Guzon, Ismael	9-27-22	Tory's	x	
Guzon, Neil	9-27-22	Tory's	x	
Guzon, Richard	9-27-22	Tory's	x	
Koppman, Raymond	9-27-22	Tory's Roofing	x	
Tachiban, Talbert Jr.	9-27-22	Alii Landscaping		x
Tachiban, Talbert Sr	9-27-22	Alii Landscaping		x
Wapia, Cedric	9-27-22	Alii Landscaping		x
Taosoya, Paul	10-5-22	Tory's Roofing	x	
Togia, Aaron	10-5-22	Tory's Roofing	x	
Utle, Camilo	10-5-22	Tory's Roofing	x	
Utle, Michael	10-5-22	Tory's Roofing	x	
Buosit, Darrell	10-10-22	Gordon Mechanical	x	
Flores, James	10-10-22	Action Electric	x	
Hadley, William	10-10-22	Performance Metals	x	
Kelekoma, Daniel	10-10-22	CPS	x	
Lleces, Bronson	10-10-22	Gordon Mechanical	x	
Lucas, Scott	10-10-22	Action Electric	x	
Nazaveno, Ryan	10-10-22	Gordon Mechanical	x	
Vessell, David	10-10-22	Performance Metals	x	
Calico, Charles	10-16-22	R&L Ohana	x	
Mariano, Mana	10-16-22	CPS	x	
Mariano, Mathis	10-16-22	CPS	x	

Medeiros, Eric	10-19-22	Wally Rita Trucking	x	
Nordmeier, Kevin	10-19-22	Wally Rita Trucking	x	
Relacion, TJ	10-19-22	Earthworks	x	
Rita, Wally Jr	10-19-22	Wally Rita Trucking	x	
Soares, David	10-19-22	Wally Rita Trucking	x	
Tafoya, Elmo	10-19-22	Earthworks	x	
Fu, Nicholas	11-15-22	CPS	x	
James, Ladevon	11-15-22	CPS	x	
Matayoshi, Fred	11-15-22	CPS	x	
Orial, Javin	11-15-22	CPS	x	
Rapacon, Ikaika	11-23-22	Performance Metals	x	
Rapacon, Kyren	11-23-22	Performance Metals	x	
Rapacon, Kyrus	11-23-22	Performance Metals	x	
Bermudez, Noah	12-5-22	CPS	x	
Law, Jonathan	12-5-22	CPS	x	
Nagahisa, Justin	12-5-22	CPS	x	
Oshiro, Kala	12-5-22	CPS	x	
Rodriguez, Larry	12-5-22	CPS	x	
Salayes, Rigoberto	12-5-22	CPS	x	
Sarsona, Caleb	12-5-22	CPS	x	
Florencio, Remberto	12-21-22	CPS	x	
Nagahisa, Kurtis	12-21-22	CPS	x	
Nagahisa, Treston	12-21-22	CPS	x	
Woodward, Alika	12-21-22	CPS	x	
DelosReyes, Jae	12-22-22	Custom Cooling	x	
Fouste, Ronald	12-22-22	Custom Cooling	x	
Levinthol, Justicx	12-22-22	Custom Cooling	x	
Pascua, Brian	12-22-22	Custom Cooling	x	
Rajkowiki, Kyle	12-22-22	Custom Cooling	x	
Castillo, Oliver	12-23-22	Custom Cooling	x	
Ephan, Caleb	12-23-22	Custom Cooling	x	
Kimi, Ricky	12-23-22	Custom Cooling	x	
Lopez, Kaelin	12-23-22	Custom Cooling	x	

Golf Clubhouse & Landscaping by Date

Endangered Species Training Log

January 2022 to June 2022

Date	Print Name	Sign Name	Department	Ref	NHO
1-24-22	Garces, Jackie		Bev Cart		X
1-24-22	Lopes, Amber		Pro Shop		X
1-24-22	Nishimoto, Tammie		Pro Shop		X
1-24-22	Nishimoto, Ivy		Pro Shop		X
1-24-22	Talbert, Joe		Carts		X
1-24-22	Walters, Cort		Pro Shop		X
1-25-22	D, Pricilla		Pro Shop	X	
1-25-22	Duncan, Hualani		Pro Shop	X	
1-25-22	Flynt, Peyton		Carts		X
1-25-22	Gurrao, Elise		Pro Shop		X
1-25-22	Javinar, Noreen		Pro Shop	X	
1-25-22	Parangal, Kawika		Carts	X	
1-26-22	Brun, Ricky		Starter	X	
1-26-22	Dabin, Claytor		Mechanic	X	
1-26-22	Freestone, Tom		Golf Manager		X
1-26-22	Ganir, Mila		Hale Kiele		X
1-26-22	Rodriguez, Manuel		Carts		X
1-26-22	Sugitan, Myles		Carts	X	
2-2-22	Acoba, Ronald		Groundskeeper	X	
2-2-22	Cera, Val		Groundskeeper	X	
2-2-22	Cubangbang, Leo		Groundskeeper	X	
2-2-22	Garces, Edwin		Groundskeeper	X	
2-2-22	Marquit, Ricky		Groundskeeper	X	
2-2-22	Muraoka, Lyle		Groundskeeper	X	
2-2-22	Nono, Ronald		Groundskeeper	X	
2-2-22	Paleracio, Johnny		Groundskeeper	X	
2-2-22	Parroga, Raymundo		Groundskeeper	X	
2-2-22	Rego, Corey		Groundskeeper	X	
2-2-22	Riopta, Franklin		Groundskeeper	X	
2-2-22	Sagucio, Alex		Groundskeeper	X	
2-2-22	Tacsiat, Rey		Groundskeeper	X	
2-2-22	Villanueva, Nelson		Groundskeeper	X	
2-9-22	Seuferer, Randi		Carts	X	
6-21-22	Adric, Nal'a Naka		F&B, carts	X	
6-21-22	Burkhart, Neva		F&B, carts	X	
6-21-22	Gonzalea, Juan		F&B	X	
6-21-22	Koziarski, Natalie		F&B, carts	X	
6-22-22	Elterman, Callienne		F&B, carts	X	

Endangered Species Training Log
Kenneth Shioi & Subs by Date
January 1, 2022 to June 30, 2022

Print Name Clearly	Date	Shioi or Sub	New	Ref
Bunao, Arnold	2-16-22	K. Shioi	x	
Caraang, Helito	2-16-22	K. Shioi	x	
Gali, Anthony (Tony)	2-16-22	K. Shioi	x	
Gray, Dante	2-16-22	K. Shioi	x	
Hoffmeyer, Timothy	2-16-22	K. Shioi	x	
Landagora, Jess	2-16-22	K. Shioi	x	
Paik, Ryan	2-16-22	K. Shioi	x	
Perez, Pono	2-16-22	K. Shioi	x	
Semana, Bernie	2-16-22	K. Shioi	x	
Semana, Herbert	2-16-22	K. Shioi	x	
Semana, Jessie	2-16-22	K. Shioi	x	
Sergieff, Cain	2-16-22	K. Shioi	x	
Taniguchi, Kawehi	2-16-22	K. Shioi	x	
Ve, Alicia	2-16-22	K. Shioi	x	
Akana, Cale (Bud)	3-8-22	K. Shioi	x	
Anama, Ryan	3-8-22	K. Shioi	x	
Cole, Twayne	3-8-22	K. Shioi	x	
Courtland, Clark (Courtney)	3-8-22	K. Shioi	x	
Dela Cruz, Cyris	3-8-22	Earthworks	x	
Farias-Kaahanui, Linda	3-8-22	Kauai Veteran's Express	x	
Fernandes, Russell	3-8-22	Kauai Veteran's Express	x	
Gray, George	3-8-22	K. Shioi	x	
Machado, Devin	3-8-22	K. Shioi	x	
McCorriston, Daniel (Kane)	3-8-22	K. Shioi	x	
Menino, John	3-8-22	Earthworks	x	
Murashige, Conrad	3-8-22	K. Shioi	x	
Murayama, Cora	3-8-22	K. Shioi	x	
Narcisco, Fresco	3-8-22	Kauai Veteran's Express	x	
Rivera, Stephen (Haku)	3-8-22	Kauai Veteran's Express	x	
Sakamoto, Rysan	3-8-22	Kauai Veteran's Express	x	
Shioi, Roy	3-8-22	K. Shioi	x	
Tachera, Joey	3-8-22	K. Shioi	x	
Takahama, Tyler	3-8-22	K. Shioi	x	
Tsuyama, Tyler	3-8-22	K. Shioi	x	
Yamamoto, Kelsey	3-8-22	Earthworks	x	
Foster, Jeremy	3-15-22	Mr. T's Pest Control	x	
Garma, Christopher	3-15-22	Mr. T's Pest Control	x	
Sasil, Dazmon	3-15-22	Mr. T's Pest Control	x	
Almodova, Michael	3-16-22	Action Electric		x
Donner, Lou	3-16-22	Action Electric		x
Hashimura, Reese	3-16-22	Action Electric		x

Kawaihalau, Wally Jr.	3-22-22	K. Shioi	x	
Brown, Tyrone	3-22-22	Esaki Surveying	x	
Ogle, John	3-22-22	Esaki Surveying	x	
Galdeira, Cyrus	3-22-22	Gordon Mechanical	x	
Morris-Aguon, Dylan	3-22-22	Gordon Mechanical	x	
Olivarez, David	3-22-22	Gordon Mechanical	x	
Sarmiento, Zaydon	3-22-22	Gordon Mechanical	x	
Talbo, Travis	3-22-22	Gordon Mechanical	x	
Makaneole, George	3-22-22	Artistic Builders (Fencing)	x	
Agoun, Layton	4-5-22	Gordon Mechanical	x	
Tokuuke, Val	4-15-22	K. Shioi	x	
McCleary, David	4-22-22	K. Shioi	x	
Duldalao, Shayden	4-22-22	Custom Cooling	x	
Greenleaf, Shem	4-22-22	Custom Cooling	x	
Laborte, Bronson	4-22-22	Custom Cooling	x	
Lopes, Alton	4-22-22	Custom Cooling	x	
Matsuda, Kurt	4-22-22	Custom Cooling	x	
Rapozo, Justin	4-22-22	Custom Cooling	x	
Tubon, Kenneth	4-22-22	Custom Cooling	x	
Tubon, Kevin	4-22-22	Custom Cooling	x	
McCleary	4-22-22	Custom Cooling	x	
Aguon-Kona, Java	5-5-22	Unrivald Inc. (concrete)	x	
Balmores, Meha	5-5-22	Unrivald Inc. (concrete)	x	
Batalona, Isaiah	5-2-22	Simmon's Steel	x	
Cabinatan, Leonard	5-5-22	Unrivald Inc. (concrete)	x	
Comilang, Kurt	5-5-22	Aloha Island Movers	x	
Costa, Eric	5-5-22	Unrivald Inc. (concrete)	x	
Gohier, Nat S.K. II	5-2-22	Simmon's Steel	x	
Kaeo, Laura	5-5-22	Mid Pac Engineering	x	
Knapp, James	5-5-22	Unrivald Inc. (concrete)	x	
Mersberg, Kunane	5-5-22	Unrivald Inc. (concrete)	x	
Mersberg, Kunane	5-5-22	Unrivald Inc. (concrete)	x	
Mundon, Dustin	5-5-22	K. Shioi	x	
Nakasone, Mike	5-2-22	Simmon's Steel	x	
Okuno-Henderson, Laakea	5-5-22	Unrivald Inc. (concrete)	x	
Perez, Christian	5-5-22	K. Shioi	x	
Perreira, Kiely	5-5-22	Unrivald Inc. (concrete)	x	
Pimental, Troy	5-5-22	Unrivald Inc. (concrete)	x	
Pompa, Eric	5-5-22	Unrivald Inc. (concrete)	x	
Subeldia, Nathan	5-5-22	Simmon's Steel	x	
Sugimura, Floyd Jr.	5-5-22	Unrivald Inc. (concrete)	x	
Ventura, Alike	5-5-22	Unrivald Inc. (concrete)	x	
Parr, Kevin	5-12-22	Unrivald Inc. (concrete)	x	

Takekana, Randall	5-12-22	Unrivaled Inc. (concrete)	x	
Reynolds, Alijah	5-18-22	Geolabs	x	
Taber, Dominic	5-18-22	Geolabs	x	
Comilang, Kurt	5-23-22	Aloha Island Movers	x	
Perreira, Robin	5-27-22	Wasa Electric	x	
Villanueva, Dustin	5-27-22	Wasa Electric	x	
Samio, Ryan	5-27-22	Wasa Electric	x	
Chow, Teo	5-27-22	Wasa Electric	x	
Prem, Casey	5-27-22	Wasa Electric	x	
Sumida, Travis	5-27-22	Wasa Electric	x	
Purguana, Jessie	6-3-22	Tory's Roofing	x	
Madama, Romeo	6-3-22	Tory's Roofing	x	
Orial, Dovennie	6-10-22	K. Shioi	x	
Texeira, Allan	6-10-22	K. Shioi	x	
Reyes, Nick	6-13-22	K. Shioi	x	
Sandal, Jonah	6-13-22	K. Shioi	x	
Parrisa, Elijah	6-15-22	Tory's Roofing	x	
Bunao, Chris	6-16-22	K. Shioi	x	
DeJordan, Ryon	6-16-22	Gordon Mechanical	x	
Gordon, Titus	6-16-22	Gordon Mechanical	x	
Pukini, Aaron	6-16-22	Gordon Mechanical	x	
Pukini, Gary	6-16-22	Gordon Mechanical	x	
Shigeta, Travis	6-16-22	K. Shioi	x	
Shigeta, Travis	6-16-22	K. Shioi	x	
Amaki, Garrik	6-21-22	K. Shioi	x	
Ragasa, Greg	6-21-22	K. Shioi	x	
Sweet, Kawika	6-21-22	K. Shioi	x	
Briones, George	6-29-22	WASA Electric	x	
Bohem, Joseph	7-5-22	Tory's Roofing	x	
Fune, Justin	7-5-22	Shioi	x	
Southam, Daniel	7-12-22	Tory's Roofing	x	
Southam, Mike	7-12-22	Tory's Roofing	x	
Kaai, Dandall	7-18-22	Shioi	x	
Agno, Edwin	7-20-22	K. Shioi	x	
Murray, Paul	7-20-22	Kauai Nursery	x	
Alayvilla, Micah	8-1-22	Danny's Concrete	x	
Hirokane, Levi	8-8-22	Shioi	x	

Ragasa, Chris	8-8-22	K. Shioi	x	
Bardago, Brendon	9-8-22	Creative Partition System	x	
Hookaiea, Jason Poe	9-8-22	K. Shioi	x	
Kali Jr., Mitchell	9-8-22	Creative Partition System	x	
Kanealii, David	9-8-22	K. Shioi	x	
Mamaclay, Sean	9-8-22	K. Shioi	x	
Nagahisa, Isaac	9-8-22	Creative Partition System	x	
Nagahisa, Jason	9-8-22	CPS	x	
Shimabukuro, Caden	9-8-22	Creative Partition System	x	
Shimabukuro, Caden	9-8-22	K. Shioi	x	
Teixeira, Kawika	9-8-22	Creative Partition System	x	
Akiona, Kien	9-12-22	Shioi	x	
Vegas, Sam	9-12-22	K. Shioi	x	
Cardines, Michael	9-13-22	Kauai Nursery	x	
Savin, Ben	9-13-22	Kauai Nursery	x	
Tasaka, Bert	9-20-22	NPCL		
Barr, Brandy	9-27-22	Tory's Roofing	x	
Dulay, Richard	9-27-22	Tory's Roofing	x	
Guzmon, Victorino	9-27-22	Tory's	x	
Guzon, Ismael	9-27-22	Tory's	x	
Guzon, Neil	9-27-22	Tory's	x	
Guzon, Richard	9-27-22	Tory's	x	
Koppman, Raymond	9-27-22	Tory's Roofing	x	
Tachiban, Talbert Jr.	9-27-22	Alii Landscaping		x
Tachiban, Talbert Sr	9-27-22	Alii Landscaping		x
Wapia, Cedric	9-27-22	Alii Landscaping		x
Taosoya, Paul	10-5-22	Tory's Roofing	x	
Togia, Aaron	10-5-22	Tory's Roofing	x	
Utle, Camilo	10-5-22	Tory's Roofing	x	
Utle, Michael	10-5-22	Tory's Roofing	x	
Buosit, Darrell	10-10-22	Gordon Mechanical	x	
Flores, James	10-10-22	Action Electric	x	
Hadley, William	10-10-22	Performance Metals	x	
Kelekoma, Daniel	10-10-22	CPS	x	
Lleces, Bronson	10-10-22	Gordon Mechanical	x	
Lucas, Scott	10-10-22	Action Electric	x	
Nazaveno, Ryan	10-10-22	Gordon Mechanical	x	
Vessell, David	10-10-22	Performance Metals	x	
Calico, Charles	10-16-22	R&L Ohana	x	
Mariano, Mana	10-16-22	CPS	x	
Mariano, Mathis	10-16-22	CPS	x	

Medeiros, Eric	10-19-22	Wally Rita Trucking	x	
Nordmeier, Kevin	10-19-22	Wally Rita Trucking	x	
Relacion, TJ	10-19-22	Earthworks	x	
Rita, Wally Jr	10-19-22	Wally Rita Trucking	x	
Soares, David	10-19-22	Wally Rita Trucking	x	
Tafoya, Elmo	10-19-22	Earthworks	x	
Fu, Nicholas	11-15-22	CPS	x	
James, Ladevon	11-15-22	CPS	x	
Matayoshi, Fred	11-15-22	CPS	x	
Orial, Javin	11-15-22	CPS	x	
Rapacon, Ikaika	11-23-22	Performance Metals	x	
Rapacon, Kyren	11-23-22	Performance Metals	x	
Rapacon, Kyrus	11-23-22	Performance Metals	x	
Bermudez, Noah	12-5-22	CPS	x	
Law, Jonathan	12-5-22	CPS	x	
Nagahisa, Justin	12-5-22	CPS	x	
Oshiro, Kala	12-5-22	CPS	x	
Rodriguez, Larry	12-5-22	CPS	x	
Salayes, Rigoberto	12-5-22	CPS	x	
Sarsona, Caleb	12-5-22	CPS	x	
Florencio, Remberto	12-21-22	CPS	x	
Nagahisa, Kurtis	12-21-22	CPS	x	
Nagahisa, Treston	12-21-22	CPS	x	
Woodward, Alika	12-21-22	CPS	x	
DelosReyes, Jae	12-22-22	Custom Cooling	x	
Fouste, Ronald	12-22-22	Custom Cooling	x	
Levinthol, Justicx	12-22-22	Custom Cooling	x	
Pascua, Brian	12-22-22	Custom Cooling	x	
Rajkowiki, Kyle	12-22-22	Custom Cooling	x	
Castillo, Oliver	12-23-22	Custom Cooling	x	
Ephan, Caleb	12-23-22	Custom Cooling	x	
Kimi, Ricky	12-23-22	Custom Cooling	x	
Lopez, Kaelin	12-23-22	Custom Cooling	x	

Timbers – Hokuala Staff- Alpha List
July 1 to December 30, 2021

Print Name	Training Date	Department		TK NHO	Const	New	Ref
Furick,Thomas	7-9-21	Development-Botanist				X	
Kanahele, Wilson Jr.	7-9-21	Development				X	
Amorin, Alex	8-4-21	TK-Activities				X	
Bungula-McCarthy, Alxus	8-5-21	TK-Guest Services				X	
Burden, David	8-5-21	TK-Activities				X	
Telles-Kelekoma, Sabrina	8-5-21	TK-Guest Services				X	
Tone, Jenifer	8-5-21	TK-HR					X
Farias, Breena	10-21-21	F&B-Pool				X	
Gaeta, Briana	10-21-21	TK-HR Asst				X	
Lauren, ??????	10-21-21	F&B				X	
Takamura, Kayla	10-21-21	F&B				X	
Barroga, Darren	10-27-21	Engineering				X	
Fox, Jacob	10-27-21	F&B				X	
Hunter, Abby	10-27-21	F&B				X	
Elterman, Erica Jay	11-4-21	Front Desk-Concierge				X	
Gardner, Nathan	11-4-21	Culinary				X	
Monroe, Julie	11-4-21	Accounting				X	
Santos, Sylvia G.	11-4-21	Housekeeping				X	
Villanueva, Bradley	11-30-21	Valet-Bell				X	
Corpuz, Aladin	12-2-21	Engineering				X	
Gomes, Brandi	12-2-21	Housekeeping				X	
Lacaden, Darren	12-2-21	Restaurant				X	
Wong, Chelsie	12-2-21	Front Desk-Night Audit					