

Invitation for Bids

Maluhia – Renovation of Rooms 22M-0337

The Hawaii Health Systems Corporation (HHSC) Oahu Region is requesting bids from qualified companies for the renovation of rooms at Maluhia located at 1027 Hala Dr., Honolulu, HI 96817.

The IFB may be obtained electronically from the following website:

<http://maluhia.hhsc.org/procurement/notices/>

Due to COVID-19, a pre-bid orientation will not be scheduled. The deadline for submission of written/mailed questions pertaining to the IFB is March 22, 2022.

All bids must be received by HHSC by April 5, 2022, 2:00 p.m. Hawaii Standard Time. Due to COVID-19, all bids shall be sent digitally to skawai@hhsc.org. E-mail bids not received by deadline will be disqualified for consideration. No exceptions will be made even if network provider or software (e.g. MS Outlook) delays delivery. Please note that large files (>10MB) may experience network delivery issues.

Addenda to the IFB will be posted on the website listed above.

For any inquiries, please contact Scott Kawai, Oahu Region Contracts Department, at (808) 832-3025 or by email at skawai@hhsc.org.

Maluhia
1027 Hala Dr.
Honolulu, Hawaii 96817

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SECTION 1 **ADMINISTRATION**

1.0 INTRODUCTION

This Invitation for Bid (hereinafter “IFB”) is issued by the Hawaii Health Systems Corporation (hereinafter “HHSC”), a public body corporate and politic and an instrumentality and agency of the State of Hawaii. All procedures and processes will be in accordance with HHSC Oahu Region policy and procedures.

In order for HHSC to accept Bidder’s response in a timely manner, please thoroughly read this IFB and follow instructions as presented.

1.1 IFB TIMETABLE AS FOLLOWS

The timetable as presented represents HHSC’s best estimated schedule. If an activity of the timetable, such as “Closing Date for Receipt of Bids” is delayed, the rest of the timetable dates may be modified. BIDDER will be advised, by addendum to the IFB, of any such modifications to the timetable. Contract start date will be subject to the issuance of a Notice to Proceed.

ACTIVITY		SCHEDULED DATES
1.	IFB Public Announcement	March 8, 2022
2.	No Pre-Bid Orientation due to COVID-19	N/A
3.	Closing Date for Receipt of Questions	March 22, 2022
4.	Closing Date for Receipt of Bids 2:00 p.m.	April 5, 2022
5.	Contractor Selection/Award Notification (on/about)	April 6, 2022
6.	Contract Start Date (on/about)	April 27, 2022

1.2 AUTHORITY

This IFB is issued under the provisions of Chapter 323F, Hawaii Revised Statutes (HRS), and its administrative rules. All BIDDERS are charged with presumptive knowledge of all requirements of the cited authorities. Submission of a valid executed bid by any BIDDER shall constitute admission of such knowledge on the part of such BIDDER.

1.2.1 IFB ORGANIZATION

This IFB is organized into four sections:

SECTION 1: ADMINISTRATIVE

Provides information regarding administrative requirements.

SECTION 2: SCOPE OF SERVICES

Provides a detailed description of goods and/or services to be provided and delineates HHSC and CONTRACTOR responsibilities.

SECTION 3: BID FORMS AND GENERAL CONDITIONS

Describes the required format and content for submission of the bid.

SECTION 4: BID EVALUATION AND AWARD

Describes how bids will be evaluation and procedures for selection and award of contract.

1.3 HEAD OF PURCHASING AGENCY (HOPA)

The HOPA for HHSC, or designee, is authorized to execute any and all Agreements (Contracts), resulting from this IFB.

The HOPA for this IFB is:

Derek Akiyoshi
Regional Chief Executive Officer
Hawaii Health Systems Corporation

1.4 DESIGNATED OFFICIALS

The officials identified in the following paragraphs have been designated by the HOPA as HHSC's procurement officials responsible for execution of this IFB, award of Agreement and coordination of CONTRACTOR's satisfactory completion of contract requirements.

1.4.1 ISSUING OFFICER

The Issuing Officer is responsible for administering/facilitating all requirements of the IFB solicitation process and is the **sole point of contact** for BIDDER from date of public announcement of the IFB until the selection of the successful BIDDER. The Issuing Officer will also be responsible for contractual actions throughout the term of the contract. For purposes of this IFB, the designated Issuing Officer is:

Scott Kawai
Director of Contracts and Project Management
e-mail: skawai@hhsc.org
phone: (808) 832-3025

1.5.1 CHARTER

HHSC is a public body corporate and politic and an instrumentality and agency of the State of Hawaii. HHSC is administratively attached to the Department of Health, State of Hawaii and was created by the legislature with passage of Act 262, Session Laws of the State of Hawaii 1996. Act 262 affirms the State's commitment to provide quality health care for the people in the State of Hawaii, including those served by small rural facilities.

1.5.2 STRUCTURE AND SERVICES

HHSC is organized into four operational regions and provides a broad range of healthcare services including acute, long term, rural and ambulatory health care services. As the fourth largest public health system in the country, HHSC is the largest provider of healthcare in the Islands, other than on Oahu. This solicitation is for Maluhia on the island of Oahu.

1.5.3 MISSION

The mission of HHSC is to provide and enhance accessible, comprehensive health care services that are quality-driven, customer-focused and cost-effective.

1.6 FACILITY INFORMATION

Detailed information pertaining to HHSC facilities is located at <http://www.hhsc.org>.

1.7 SUBMISSION OF QUESTIONS

Questions must be submitted in writing via electronic mail, facsimile or post mail to the Issuing Officer no later than the “Closing Date for Receipt of Questions”, identified in paragraph 1.1 in order to generate an official answer. All written questions will receive an official written response from HHSC and become addenda to the IFB.

IMPORTANT

BIDDER may request changes and/or propose alternate language to the attached HHSC General and Special Terms and Conditions during this phase only. All requests will be presented to the HHSC Legal Department for review. No requests to change the HHSC General or Special Terms and Conditions will be entertained after the bids have been submitted or during the contracting process. All written questions and/or approved changes will receive an official written response from HHSC and shall be recorded as addenda to the IFB.

HHSC reserves the right to reject or deny any request(s) made by BIDDER.

Responses by HHSC shall be due to the BIDDER prior to notice of award.

Impromptu, un-written questions are permitted and verbal answers will be provided during pre-bid conferences and other occasions, but are only intended as general direction and will not represent the official HHSC position. The only official position of HHSC is that which is stated in writing and issued in the IFB as addenda thereto.

No other means of communication, whether oral or written, shall be construed as a formal or official response/statement and may not be relied upon.

SEND QUESTIONS TO:

Scott Kawai, Issuing Officer
e-mail: skawai@hhsc.org

1.8 SOLICITATION REVIEW

BIDDER should carefully review this solicitation for defects and questionable or objectionable matter. Comments concerning defects and questionable or objectionable matter, **excluding requests to revise the General or Special Conditions**, must be made in writing and should be received by the Issuing Officer, Scott Kawai, no later than the “Closing Date for Receipt of Bids” as identified in Section 1.1. This will allow issuance of any necessary amendments to the IFB. It will also assist in preventing the opening of bids upon which award may not be made due to a defective solicitation package.

1.9 IFB AMENDMENTS

HHSC reserves the right to amend the IFB any time prior to the deadline date of the IFB. IFB Amendments will be in the form of addenda.

1.10 CANCELLATION OF IFB

The IFB may be canceled when it is determined to be in the best interests of HHSC.

1.11 PROTESTS

Any protest shall be submitted in writing to the HOPA as noted below.

A protest based upon the content of the solicitation shall be submitted in writing within five (5) working days **after** the aggrieved individual/business knows or should have known of the facts giving rise thereto; provided further that the protest shall not be considered unless it is submitted in writing prior to and not later than the “Closing Date for Receipt of Bid” identified in section 1.1.

A protest of an award or proposed award shall be submitted within five (5) working days after the posting of award of the contract. The notice of award, if any, resulting from this solicitation shall be posted at the following website:
<http://maluhia.hhsc.org/procurement/notices/>

Any and all protests shall be submitted in writing to the HOPA, as follows:

Derek Akiyoshi
Hawaii Health Systems Corporation
Oahu Region
3675 Kilauea Avenue
Honolulu, Hawaii 96816

1.12 PERFORMANCE AND PAYMENT BOND

Performance and payment bonds shall be required for contracts \$25,000 and higher. At the time of the execution of the contract, the successful Bidder shall file good and sufficient performance and payment bonds, each in an amount equal to one hundred percent (100%) of the amount of the contract price unless otherwise stated in the solicitation of bids.

1.13 SPECIALTY CONTRACTOR’S LICENSE

- A. Contractor shall be solely responsible to ensure that all specialty licenses required to perform the Work are covered by the Contractor and/or its subcontractor(s).

1.14 WORKING HOURS

- A. Regular working hours for this project shall take place between the hours of 8:00 AM to 4:30 PM Monday through Friday, excluding State Holidays, unless otherwise noted or restricted.
- B. The Contractor may be given approval to work beyond the regular hours including Saturdays, Sundays, State Holidays, night work, or after hours under the provisions of the GENERAL CONDITIONS.

1.15 SPECIAL PROCEDURES DURING BIDDING

- A. Bid documents will be available upon request from the office of the Chief Executive Officer, at Leahi Hospital, 3675 Kilauea Avenue, Honolulu, HI, 96816.
- B. All bids shall be submitted to the Issuing Officer.
- C. All questions regarding the IFB shall be submitted, in writing, to the Issuing Officer, who shall review the questions and issue any responses via Addendum. Only information received by Addendum shall be binding.
- E. Any visitation to the site to examine the scope of work shall be requested through the HHSC Representative. Disruption of facility operations shall not be permitted.

SECTION 2

SCOPE OF SERVICES

2.0 INTRODUCTION

MALUHIA RENOVATION OF ROOMS

Work for this project shall include, but is not limited to, the following:

- Secure all necessary permits and licenses required for the project prior to its commencement.
- Provide all necessary BMPs.
- Demolition of windows, plumbing fixtures, lighting, floor slab, and work as shown in Plans.
- Installation of new windows, fixtures, and work as shown in the Plans.
- Miscellaneous work as indicated in the drawings.
- Clean site and remove temporary BMPs.

2.1 CONTRACT PERIOD

The work shall be completed within 360 consecutive calendar days.

2.2 SCOPE OF SERVICES

- A. The CONTRACTOR shall complete the work specified in the specifications and drawings in APPENDIX C.
- B. Qualifications. The CONTRACTOR shall have:
 - 1. A current and valid license to perform the scope of work.
 - 2. Have been in business for the past three (3) consecutive years.
 - 3. A permanent, on-island office location in conducting business which is accessible to telephone calls. An answering service is not acceptable.

- C. HOSPITAL shall provide:

Technical Representatives who shall have the authority to oversee the successful completion of contract requirements, including monitoring, coordinating and assessing CONTRACTOR performance; placing requests for services; and, approving completed work/services with verification of same for CONTRACTOR's invoices. Technical Representatives will also serve as points of contact for "technical" matters throughout the term of the contract.

SECTION 3

BID PROPOSAL AND GENERAL CONDITIONS

General Instructions for Completing Forms

- *Bids shall be submitted in the prescribed format outlined in this IFB*
- *No supplemental literature, brochures or other unsolicited information should be included in the bid packet.*
- *A written response is required for each item unless indicated otherwise.*

3.0 Bid Proposal

The bid form must be completed and submitted to HHSC by the required due date and time, and in the form prescribed by the HHSC. Facsimile transmissions shall not be accepted.

Interested bidders shall submit their bid under the interested bidder's exact legal name that is registered with the Department of Commerce and Consumer Affairs and shall indicate this exact legal name in the appropriate space on page 1 of the bid form. Failure to do so may delay proper execution of the Contract.

Interested bidders shall certify its ability to provide services on April 27, 2022 or upon execution of the Contract agreement by both parties. The Hospital reserves the right to apply liquidated damages for the delay in Contract execution on the part of the Contractor.

The interested bidder's authorized signature shall be an original signature in ink. If the Bid Form on Appendix A is unsigned or the affixed signature is a facsimile or a photocopy, the bid shall be automatically rejected.

The option to extend the Contract shall be at the sole discretion of the Hospital and determined to be in the best interests of the State.

3.1 Bid Security

All lump sum bids of \$25,000 and higher, or lump sum base bids including alternates of \$25,000 and higher, that are not accompanied by bid security are non-responsive.

- a. The bid security shall be in an amount equal to at least five percent (5%) of the lump sum bid or lump sum base bid including alternates or in an amount required by the terms of the federal funding, where applicable.

3.2 General Conditions

The State of Hawaii INTERIM GENERAL CONDITIONS, dated August 1999, and AMENDMENTS shall be read by the Contractor as they form a part of the Agreement to be entered into between the Contractor and HHSC. The Interim General Conditions are not physically included in these specifications, but are included by reference. Copies of the INTERIM GENERAL CONDITIONS may be obtained from the Division of Public works, Department of Accounting and General Services, State of Hawaii at the following website:

http://hawaii.gov/pwd/construction_bids/Members/qc/gen_cond_constr

The General Conditions are hereby amended as follows:

- a. The following terms specified in Section 1 are hereby defined:
 - i) Bidder shall have the same definition as Contractor.
 - ii) Comptroller shall be the Chief Financial Officer at Maluhia or his authorized representative.
 - iii) Department shall be Maluhia or its designee.
 - iv) Engineer shall be the person so designated by Maluhia.
 - v) State shall be Maluhia or its designee.
- b. Section 1.20 and 1.25 replace "State of Hawaii" with "State".
- c. The last two sentences of the third paragraph of Section 2.1.1.2, in the Interim General Conditions is deleted and is replaced with the following:

" If the notice is faxed, the time of receipt by the CEO's fax machine shall be official. The submittal of intention to bid via fax is acceptable only to this office."
- d. Section 2.1.2.1: second sentence is hereby deleted in its entirety.
- e. Last sentence of paragraph 2.1.2.3 of the Interim General Conditions is amended to read as follows:

"Failure to submit either the required tax clearance certificate or Bid Form 4 will be sufficient grounds for Maluhia to refuse to receive or consider the prospective bidder's proposal."
- f. The addresses specified in Section 2.6.1 of the Interim General Conditions shall be changed to Maluhia 1027 Hala Drive Honolulu Hawaii 96817.
- g. Sections 2.10 through 2.11 are hereby deleted in their entirety.
- h. Paragraph 3.8.1 of the Interim General Conditions is amended to read as follows:

"The contract shall be signed and forwarded to Maluhia (Contracts Office), by the successful bidder all within three (3) days of receipt of the contract. The performance and payment bonds shall be received by Maluhia (Contracts Office) within ten (10) calendar days after the bidders is awarded the contract. No proposal or contract shall be considered binding upon the State until the contract has been fully and properly executed by all parties thereto."
- i. In paragraph 3.9.2 of the Interim General Conditions, "ten (10) calendar days after such award or within such further time as the Comptroller may allow" shall be replaced with, "the time allowed in the previous section."
- j. Section 4.1: the words "accepted bid" is deleted from the first sentence.
- k. Section 4.9.3: the words "submission of bids" is replaced with the words "execution of this contract".
- l. Section 5.5: the last sentence is hereby deleted in its entirety and replaced with the following:

“In the event of conflict among the Contract Documents, the order of precedence is listed in paragraph 5 of this contract and is further detailed in the following subparagraphs:”

- m. Sections 5.5.1 and 5.5.2 are hereby deleted in their entirety.
- n. Section 5.8.1: “twenty-four (24)” is hereby changed to “three (3)”.
- o. Section 5.11 is hereby deleted in its entirety.
- p. Section 5.12.4 is hereby deleted in its entirety.
- q. Section 7.3.7.4, subparagraphs a and b: Replace “If the project falls within the State University System, The University of Hawaii” with “Maluhia.”
- r. Section 7.4.1 is hereby deleted in its entirety and replaced with the following:

“The Contractor shall prepare, process, obtain, and pay for all permits necessary for the proper execution of the work.”
- s. Section 7.7.2 is amended to read as follows: “The wage rate schedule is attached to this contract.”
- t. Sections 7.14.2, 7.19.2, and 7.19.4: delete “Departments and Agencies and their” and insert “directors” between “officers” and “representatives”.
- u. Section 7.14.4 is hereby added and reads as follows:

“Contractor warrants that it and none of its employees, agents or subcontractors performing services or providing goods pursuant to this Agreement are excluded from participation in federal health care programs, as defined in the Social Security Act (section 1128 and 1128A), and other federal laws and regulations relating to health care. Maluhia reserves the right to verify that the above warranty is true and to immediately cancel this Agreement in the event it is violated.”
- v. Section 7.15 delete “and its Departments and Agencies”.
- w. Section 7.21.8.6 — Delete the word “bad” before the words “weather day conditions.”
- x. Section 7.35.1: the last word “earlier” is changed to “later”.

3. CORPORATE COMPLIANCE PROGRAM. A description of the Corporate Compliance Program of HHSC is posted on the HHSC Internet (www.hhsc.org). The CONTRACTOR, by signing this contract, acknowledges that it has read said description, and that the CONTRACTOR knows of the fact and substance of the Corporate Compliance Program, which governs operations at all facilities of the HHSC. The CONTRACTOR understands and agrees that employees, agents, and contractors performing any services at any of the HHSC facilities shall be fully subject to such Corporate Compliance Program, as may be amended from time to time, as well as all federal program requirements and applicable policies and procedures of HHSC and its facilities. The Corporate Compliance Program requires periodic training, including an orientation program, of all people who provide financial, business office, personnel, coding, medical records information systems and clinical services in the facility. The CONTRACTOR agrees to cause its employees, agents, and contractors who provide any services at any financial, business office, personnel, coding, medical records information systems and clinical services at any of the HHSC facilities to participate in the orientation and training programs.

4. CONFIDENTIAL INFORMATION. It is acknowledged and agreed that all of the trade secrets, business plans, marketing plans, know how, data, contracts, documents, scientific and medical concepts, billing records, personnel records, medical records of any kind, and referral resources for existing or future services, products, operations, management, business, pricing, financial status, valuations, business plans, goals, strategies, objectives and agreements of HHSC and any of its facilities, affiliates or subsidiaries, and all patient information, in any form, whether written, verbal, or electronic, are confidential (“Confidential Information”); provided, however, that Confidential Information, with the exception of patient information, shall not include information that is in the public domain.
5. CONTRACTOR EXCLUSION FROM FEDERAL PROGRAMS. CONTRACTOR warrants that it and none of its employees, agents or subcontractors performing services or providing goods pursuant to this Agreement are excluded from participation in federal health care programs, as defined in the Social Security Act (section 1128 and 1128A), and other federal laws and regulations relating to health care. Leahi Hospital reserves the right to verify that the above warranty is true and to immediately cancel this Agreement in the event it is violated.
6. CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS. CONTRACTORS are hereby notified of the applicability of Section 11-205.5, HRS, which states that campaign contributions are prohibited from specified State or county government contractors during the term of the contract if the contractors are paid with funds appropriated by a legislative body. For more information, please consult with the Campaign Spending Commission, or visit its website, www.hawaii.gov/campaign.

(END OF SECTION)

SECTION 4
BID EVALUATION AND AWARD

4.0 Bid Evaluation

Each bid offer will be reviewed for exact conformity of the requirements in the IFB, known as a responsible bid. Information provided in/with the bid offer will be used to determine whether the interested bidder has the technical and financial capacity to deliver the goods or services, known as a responsive bid.

4.1 Method of Award

- A. The contract will be awarded to the lowest responsive and responsible Bidder whose bid (including any alternates which may be selected) meets the requirements and criteria set forth in the solicitation documents.
- B. In the event the total lump sum bid of all bidders exceeds the project control budget, HHSC reserves the right to make an award to the apparent Low Bidder if additional funds are available or by reducing the scope of work through negotiation.
- C. The option to extend the Contract will be at the sole discretion of the HHSC. Nothing in this IFB shall be construed or interpreted to mean that the Hospital is obligated to exercise the 12-month option period. The Contract may be extended, without the necessity of rebidding, at the same rates as proposed in the original bid, unless price adjustments are made and agreed upon by HHSC.

4.2 Contract Execution

Upon receipt of the Contract document, the CONTRACTOR shall have ten (10) business days to execute and return the Contract to the Issuing Officer. Explicit execution instructions will accompany the Contract. A copy of the fully executed Contract will be provided the CONTRACTOR within seven (7) business days of Contract execution.

Award of Contract may be withdrawn if the CONTRACTOR is unable to meet Contract execution requirements.

(END OF SECTION)

SAMPLE BID TRANSMITTAL COVER LETTER

Dear Mr. Kawai,

(Name of Business) proposes to provide any and all goods and services as set forth in the “Invitation for Bid” for Maluhia Renovation of Rooms IFB No. 22M-0337, for which fees/costs have been set. The fees/costs offered herein shall apply from XXX, 2022 to XXX, 2024.

It is understood and agreed that (Name of Business) have read HHSC’s Scope of Services described in the IFB and that this bid is made in accordance with the provisions of such Scope of Services. By signing this bid, (Name of Business) guarantee and certify that all items included in this bid meet or exceed any and all such Scope of Services. (Name of Business) agree, if awarded the contract, to provide the goods and services set forth in the IFB; and comply with all terms and conditions indicated in the IFB; and at the fees/costs set forth in this bid. The following individual(s) may be contacted regarding this bid: _____

Other information:

Address:		Federal Tax ID #:	
Phone No.:		Hawaii GET ID #:	
E-mail address:			

(Name of Business) is a: ☐ Sole Proprietor ☐ Partnership ☐ Corporation ☐ Joint Venture Other (Specify) _____

State of Incorporation is: (Specify) _____

Year of Business started: _____

The exact legal name of the business under which the contract, if awarded, shall be executed is: _____

(Authorized Bidder’s Signature, Printed Name/Title; Corporate Seal or Notarized)

PROPOSAL
FOR
FURNISHING LABOR AND MATERIALS
REQUIRED FOR
MALUHIA
RENOVATION OF ROOMS

TAX MAP KEY: 01-06-09:04

HONOLULU, OAHU, HAWAII

FOR THE
HAWAII HEALTH SYSTEMS CORPORATION
STATE OF HAWAII

After carefully examining the bid documents, drawings and specifications identified above, the Bidder proposes to furnish at its own expense all necessary labor, materials, tools and equipment to complete the work according to the true intent and meaning of the drawings and specifications, all for the Lump Sum Bid of:

_____ DOLLARS (\$_____).

BASE BID

1. Remove and dispose of window/door No. 1 and 2 and provide new. \$ _____
 2. Construct new wall in X-Ray room. \$ _____
 3. Provide new electrical work for 2nd Floor as indicated on Sht. E-1.1. \$ _____
- TOTAL BASE BID (items 1, 2, 3) \$ _____

ALTERNATES

The Bidder further proposes to incorporate in the work the alternates as described in Section 01230 - ALTERNATES, for the following amounts:

Alternate No. 1: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 2: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 3: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 4: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 5: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

The Bidder must completely fill in the dollar amount for the Alternates. Where the work will be performed at no cost to the HHSC, fill in "\$0.00" as the dollar amount. If alternate dollar amounts are left blank, the proposal will be rejected as being an "irregular proposal".

In the event the Alternate is accepted, additional consecutive working days will be granted in accordance with the SCHEDULE AND COMPLETION OF WORK Section of this proposal.

SCHEDULE AND COMPLETION OF WORK

The Bidder agrees to commence and complete all work under this contract as follows:

PART 1

Upon receipt of the Letter of Award with written instructions from the Engineer, proceed with preparatory work including processing submittals, obtaining approvals, and permits, or other work as approved by the Engineer. No work will be allowed at the jobsite. No ordering of materials will be allowed until;

- (a) the date stipulated in the Letter of Notice to Proceed, or
- (b) upon earlier written notice from the Engineer, or
- (c) upon receipt of the executed contract for the project.

PART II

The Contractor shall fully complete all work under this contract within 360 consecutive calendar days from the date stipulated in the Letter of Notice to Proceed.

PART III

In the event that Alternate No. 1 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time shall remain the same.

In the event that Alternate No. 2 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time shall remain the same.

In the event that Alternate No. 3 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time frame shall remain the same.

In the event that Alternate No. 4 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time shall remain the same.

In the event that Alternate No. 5 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the time frame will shall remain the same..

EVALUATION CRITERIA

Evaluating Bids: The lowest responsive, responsible bid is determined by the following procedures:

- 1) The Alternates listed above and in Section 01230 – Alternates, are listed by preference with Alternate No. 1 being the first preference and the other alternates following.
- 2) The total lump sum bid price is adjusted to reflect for the applicable preferences.

- a) For projects with alternates, the total lump sum base bid price and alternates will be adjusted to reflect the applicable preferences.
- 3) Project control budget is established at \$184,000.
- 4) The project will be evaluated based on the adjusted bid price.

EVALUATION OF BIDS (WITH ALTERNATES)

- 1. All bids will be evaluated on the basis of the same alternate item(s).
- 2. After adjusting for applicable preferences, the alternates, in the precedence order, are added to the total lump sum base bid price. This (these) sum(s) are compared to the project control budget, and must be within the project control budget.
- 3. If adding another alternate would make the aggregate amount exceed the project control budget for all bidders, that alternate will be skipped and the next alternate will be added, provided an award might be made within the project control budget. The procedure will continue, until adding any remaining alternates will result in the aggregate total amount for all the bidders to exceed the project control budget, or until no additional alternates remain.
- 4. The bidder with lowest aggregate amount, within the project control budget (after application of the various preferences), for the total lump sum base bid plus the alternates in the precedence order, is the "Low Bidder" for that project and is designated for award.
- 5. Additive Alternate EXAMPLE: The project control budget available is \$100,000. In the order of precedence, alternates 1, 2 and 3 are additive alternates. After applying the preferences, the bids are ranked lowest price to highest price and are "Bid A", "Bid B", and "Bid C". Bid A's total lump sum base bid price and three additive alternates (in the precedence order) are \$80,000, \$16,000, \$10,000 and \$5,000 respectively. Bid B's total lump sum base bid and three additive alternates (in the precedence order) are \$82,000, \$10,000, \$9,000, and \$3,000 respectively. Bid C's total lump sum base bid price and three additive alternates (in the precedence order) are \$85,000, \$10,000, \$8,000, and \$4,000 respectively.
 - a. In adding the alternates to the bids, alternate 1 is under the project control budget for all bids. The second alternate 2 is initially skipped since it would cause the aggregate amount of all bids to exceed the \$100,000. The third alternate 3 is added and the aggregate amounts, including base bid price plus 1 and 3, of both Bid B and Bid C, are under the project control budget.
 - b. Bid A's aggregate total is \$101,000. Bid B's aggregate total is \$95,000. Bid C's aggregate total is \$99,000.
 - c. Bid B's price including alternates 1 and 3 is the lowest bid price (over Bid C) and has an aggregate amount within the adjusted project control budget, and therefore the designated "Low Bidder" for the project.

6. Should the Lump Sum Base Bid of all bidders exceed the project control budget, the bidder with the lowest total lump sum base bid is designated the Low Bidder for the project.

METHOD OF AWARD

The contract will be awarded to the lowest responsive and responsible Bidder whose bid (including any alternates which may be selected) meet the requirements and criteria set forth in the solicitation documents and as determined by the HHSC.

In the event that the total lump sum base bid for of all bidders exceed the project control budget, HHSC shall reserve the right to make an award to the apparent Low Bidder and seek additional funds and increase the project control budget or reduce the scope of work through negotiation to meet the project control budget.

OTHER CONDITIONS FOR AWARD

HHSC reserves the right to reject any and/or all bids and waive any defects when, in its opinion, such rejection or waiver will be for the best interest of HHSC;

The award of the contract shall be conditioned upon funds being made available for these projects and further upon the right of the HHSC to hold all bids received for a period of sixty (60) days from the date of the opening thereof, unless otherwise required by law, during which time no bid may be withdrawn;

Any agreement arising out of this offer is subject to approval of HHSC as to form, and to all further approvals, including the approval of the Mayor, required by statute, regulation, rule, order, or other directive.

OTHER CONDITIONS

1. Bidder agrees to pay liquidated damages to the HHSC to be specified.
2. By submitting this proposal, the Bidder is declaring that its firm has not been assisted or represented on this matter by an individual who has, in a HHSC capacity, been involved in the subject matter of this contract in the past two years;
3. Anti-collusion certification. In accordance with HAR 3-122-192, by submitting this proposal, the Bidder is declaring that the price submitted is independently arrived at without collusion.
4. Certification for Safety and Health Program for bids in excess of \$100,000. In accordance with HRS 396-18, the Bidder certifies that its organization will have a written safety and health plan for this project that will be available and implemented by the Notice to Proceed date of this project. Details of the requirements of this plan may be obtained from the Department of Labor and Industrial Relations, Occupational Safety and Health Division (HIOSH); and
5. Upon the acceptance of the proposal by the HHSC, the Bidder must enter into and execute a contract for the same and furnish a Performance and Payment bond, as required by law. These bonds shall conform to the

ALL JOINT CONTRACTORS OR SUBCONTRACTORS TO BE ENGAGED ON THIS PROJECT

The Bidder certifies that the following is a complete listing of all joint contractors or subcontractors covered under Chapter 444, Hawaii Revised Statutes, who will be engaged by the Bidder on this project to perform the nature and scope of work indicated pursuant to Section 103D-302, Hawaii Revised Statutes and understands that failure to comply with this requirement may be just cause for rejection of the bid.

The Bidder further understands that only those joint contractors or subcontractors listed shall be allowed to perform work on this project and that all other work necessary shall be performed by the Bidder with his own employees. If no joint contractor or subcontractor is listed, it shall be construed that all of the work shall be performed by the Bidder with its own employees.

The Bidder must be sure that it has and that the subcontractor(s) listed in the proposal have all the necessary specialty licenses needed to perform the work for this project. The Bidder shall be solely responsible for assuring that all the specialty licenses required to perform the work are covered in its bid.

The Bidder shall include the license number of the joint contractors or subcontractors listed below. Failure to provide the correct names and license numbers as registered with the Contractor's Licensing Board may cause rejection of the bid submitted.

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Base Bid

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 1

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 2

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 3

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 4

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 5

License
Number

Nature and Scope
of Work to be
Performed

Enclosed herewith:

- | | | |
|----|----------------------|---|
| 1. | Surety Bond (*1) |) |
| 2. | Legal Tender (*2) |) |
| 3. | Cashier's Check (*3) |) |
| 4. | Certified Check (*3) |) |
- (Cross Out Those Not Applicable)

in the amount of:

_____ DOLLARS (\$_____).

as required by law.

Respectfully submitted,

Name of Company, Joint Venture or Partnership

License No.

By_____
Signature (*4)

Title_____

Date_____

Address_____

Telephone No._____

(Corporate Seal)

(*5)

NOTES:

1. Surety bond underwritten by a company licensed to issue bonds in this State;
2. Legal tender; or
3. A cashier's or a certified check accepted by, and payable on demand to the HHSC by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation.
 - a. These instruments may be utilized only to a maximum of \$100,000.
 - b. If the required security or bond amount totals over \$100,000, more than one instrument not exceeding \$100,000 each and issued by different financial institutions shall be accepted.
4. Please attach to this page evidence of the authority of this officer to submit bids on behalf of the Company, and also the names and residence addresses of all officers of the Company.
5. Fill in all blank spaces with information asked for or bid may be invalidated.
PROPOSAL MUST BE INTACT. MISSING PAGES MAY INVALIDATE YOUR BID.

END OF PROPOSAL

APPENDIX C

S P E C I F I C A T I O N S

FOR

FURNISHING LABOR AND MATERIALS

REQUIRED FOR

**MALUHIA
RENOVATION OF ROOMS**

1027 HALA DR.
HONOLULU, OAHU, HAWAII

TMK: 01-06-09:04

FOR THE

HAWAII HEALTH SYSTEMS CORPORATION (HHSC)

STATE OF HAWAII

ARCHITECT: PACIFIC ARCHITECTS, INC.
ELECTRICAL: BOWERS & KUBOTA CONSULTING

FEBRUARY 2022

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PROPOSAL
FOR
FURNISHING LABOR AND MATERIALS
REQUIRED FOR
MALUHIA
RENOVATION OF ROOMS

TAX MAP KEY: 01-06-09:04

HONOLULU, OAHU, HAWAII

FOR THE
HAWAII HEALTH SYSTEMS CORPORATION
STATE OF HAWAII

After carefully examining the bid documents, drawings and specifications identified above, the Bidder proposes to furnish at its own expense all necessary labor, materials, tools and equipment to complete the work according to the true intent and meaning of the drawings and specifications, all for the Lump Sum Bid of:

_____ DOLLARS (\$_____).

BASE BID

1. Remove and dispose of window/door No. 1 and 2 and provide new. \$ _____
 2. Construct new wall in X-Ray room. \$ _____
 3. Provide new electrical work for 2nd Floor as indicated on Sht. E-1.1. \$ _____
- TOTAL BASE BID (items 1, 2, 3) \$ _____

ALTERNATES

The Bidder further proposes to incorporate in the work the alternates as described in Section 01230 - ALTERNATES, for the following amounts:

Alternate No. 1: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 2: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 3: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 4: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

Alternate No. 5: (Additive)

Add the total sum of:

_____ DOLLARS (\$ _____).

The Bidder must completely fill in the dollar amount for the Alternates. Where the work will be performed at no cost to the HHSC, fill in "\$0.00" as the dollar amount. If alternate dollar amounts are left blank, the proposal will be rejected as being an "irregular proposal".

In the event the Alternate is accepted, additional consecutive working days will be granted in accordance with the SCHEDULE AND COMPLETION OF WORK Section of this proposal.

SCHEDULE AND COMPLETION OF WORK

The Bidder agrees to commence and complete all work under this contract as follows:

PART 1

Upon receipt of the Letter of Award with written instructions from the Engineer, proceed with preparatory work including processing submittals, obtaining approvals, and permits, or other work as approved by the Engineer. No work will be allowed at the jobsite. No ordering of materials will be allowed until;

- (a) the date stipulated in the Letter of Notice to Proceed, or
- (b) upon earlier written notice from the Engineer, or
- (c) upon receipt of the executed contract for the project.

PART II

The Contractor shall fully complete all work under this contract within 360 consecutive calendar days from the date stipulated in the Letter of Notice to Proceed.

PART III

In the event that Alternate No. 1 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time shall remain the same.

In the event that Alternate No. 2 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time shall remain the same.

In the event that Alternate No. 3 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time frame shall remain the same.

In the event that Alternate No. 4 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the construction time shall remain the same.

In the event that Alternate No. 5 is accepted, the work shall be performed consecutively with the Lump Sum Base Bid construction noted above and the time frame will shall remain the same..

EVALUATION CRITERIA

Evaluating Bids: The lowest responsive, responsible bid is determined by the following procedures:

- 1) The Alternates listed above and in Section 01230 – Alternates, are listed by preference with Alternate No. 1 being the first preference and the other alternates following.
- 2) The total lump sum bid price is adjusted to reflect for the applicable preferences.

- a) For projects with alternates, the total lump sum base bid price and alternates will be adjusted to reflect the applicable preferences.
- 3) Project control budget is established at \$184,000.
- 4) The project will be evaluated based on the adjusted bid price.

EVALUATION OF BIDS (WITH ALTERNATES)

- 1. All bids will be evaluated on the basis of the same alternate item(s).
- 2. After adjusting for applicable preferences, the alternates, in the precedence order, are added to the total lump sum base bid price. This (these) sum(s) are compared to the project control budget, and must be within the project control budget.
- 3. If adding another alternate would make the aggregate amount exceed the project control budget for all bidders, that alternate will be skipped and the next alternate will be added, provided an award might be made within the project control budget. The procedure will continue, until adding any remaining alternates will result in the aggregate total amount for all the bidders to exceed the project control budget, or until no additional alternates remain.
- 4. The bidder with lowest aggregate amount, within the project control budget (after application of the various preferences), for the total lump sum base bid plus the alternates in the precedence order, is the "Low Bidder" for that project and is designated for award.
- 5. Additive Alternate EXAMPLE: The project control budget available is \$100,000. In the order of precedence, alternates 1, 2 and 3 are additive alternates. After applying the preferences, the bids are ranked lowest price to highest price and are "Bid A", "Bid B", and "Bid C". Bid A's total lump sum base bid price and three additive alternates (in the precedence order) are \$80,000, \$16,000, \$10,000 and \$5,000 respectively. Bid B's total lump sum base bid and three additive alternates (in the precedence order) are \$82,000, \$10,000, \$9,000, and \$3,000 respectively. Bid C's total lump sum base bid price and three additive alternates (in the precedence order) are \$85,000, \$10,000, \$8,000, and \$4,000 respectively.
 - a. In adding the alternates to the bids, alternate 1 is under the project control budget for all bids. The second alternate 2 is initially skipped since it would cause the aggregate amount of all bids to exceed the \$100,000. The third alternate 3 is added and the aggregate amounts, including base bid price plus 1 and 3, of both Bid B and Bid C, are under the project control budget.
 - b. Bid A's aggregate total is \$101,000. Bid B's aggregate total is \$95,000. Bid C's aggregate total is \$99,000.
 - c. Bid B's price including alternates 1 and 3 is the lowest bid price (over Bid C) and has an aggregate amount within the adjusted project control budget, and therefore the designated "Low Bidder" for the project.

6. Should the Lump Sum Base Bid of all bidders exceed the project control budget, the bidder with the lowest total lump sum base bid is designated the Low Bidder for the project.

METHOD OF AWARD

The contract will be awarded to the lowest responsive and responsible Bidder whose bid (including any alternates which may be selected) meet the requirements and criteria set forth in the solicitation documents and as determined by the HHSC.

In the event that the total lump sum base bid for of all bidders exceed the project control budget, HHSC shall reserve the right to make an award to the apparent Low Bidder and seek additional funds and increase the project control budget or reduce the scope of work through negotiation to meet the project control budget.

OTHER CONDITIONS FOR AWARD

HHSC reserves the right to reject any and/or all bids and waive any defects when, in its opinion, such rejection or waiver will be for the best interest of HHSC;

The award of the contract shall be conditioned upon funds being made available for these projects and further upon the right of the HHSC to hold all bids received for a period of sixty (60) days from the date of the opening thereof, unless otherwise required by law, during which time no bid may be withdrawn;

Any agreement arising out of this offer is subject to approval of HHSC as to form, and to all further approvals, including the approval of the Mayor, required by statute, regulation, rule, order, or other directive.

OTHER CONDITIONS

1. Bidder agrees to pay liquidated damages to the HHSC to be specified.
2. By submitting this proposal, the Bidder is declaring that its firm has not been assisted or represented on this matter by an individual who has, in a HHSC capacity, been involved in the subject matter of this contract in the past two years;
3. Anti-collusion certification. In accordance with HAR 3-122-192, by submitting this proposal, the Bidder is declaring that the price submitted is independently arrived at without collusion.
4. Certification for Safety and Health Program for bids in excess of \$100,000. In accordance with HRS 396-18, the Bidder certifies that its organization will have a written safety and health plan for this project that will be available and implemented by the Notice to Proceed date of this project. Details of the requirements of this plan may be obtained from the Department of Labor and Industrial Relations, Occupational Safety and Health Division (HIOSH); and
5. Upon the acceptance of the proposal by the HHSC, the Bidder must enter into and execute a contract for the same and furnish a Performance and Payment bond, as required by law. These bonds shall conform to the

ALL JOINT CONTRACTORS OR SUBCONTRACTORS TO BE ENGAGED ON THIS PROJECT

The Bidder certifies that the following is a complete listing of all joint contractors or subcontractors covered under Chapter 444, Hawaii Revised Statutes, who will be engaged by the Bidder on this project to perform the nature and scope of work indicated pursuant to Section 103D-302, Hawaii Revised Statutes and understands that failure to comply with this requirement may be just cause for rejection of the bid.

The Bidder further understands that only those joint contractors or subcontractors listed shall be allowed to perform work on this project and that all other work necessary shall be performed by the Bidder with his own employees. If no joint contractor or subcontractor is listed, it shall be construed that all of the work shall be performed by the Bidder with its own employees.

The Bidder must be sure that it has and that the subcontractor(s) listed in the proposal have all the necessary specialty licenses needed to perform the work for this project. The Bidder shall be solely responsible for assuring that all the specialty licenses required to perform the work are covered in its bid.

The Bidder shall include the license number of the joint contractors or subcontractors listed below. Failure to provide the correct names and license numbers as registered with the Contractor's Licensing Board may cause rejection of the bid submitted.

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Base Bid

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 1

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 2

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 3

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 4

License
Number

Nature and Scope
of Work to be
Performed

Complete Firm Name
Joint Contractor or
Subcontractor for
Lump Sum Bid – Alternate No. 5

License
Number

Nature and Scope
of Work to be
Performed

Enclosed herewith:

1. Surety Bond (*1))
 2. Legal Tender (*2))
 3. Cashier's Check (*3))
 4. Certified Check (*3))
- (Cross Out Those Not Applicable)

in the amount of:

_____ DOLLARS (\$_____).

as required by law.

Respectfully submitted,

Name of Company, Joint Venture or Partnership

License No.

By_____
Signature (*4)

Title_____

Date_____

Address_____

Telephone No._____

(Corporate Seal)

(*5)

NOTES:

1. Surety bond underwritten by a company licensed to issue bonds in this State;
2. Legal tender; or
3. A cashier's or a certified check accepted by, and payable on demand to the HHSC by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation.
 - a. These instruments may be utilized only to a maximum of \$100,000.
 - b. If the required security or bond amount totals over \$100,000, more than one instrument not exceeding \$100,000 each and issued by different financial institutions shall be accepted.
4. Please attach to this page evidence of the authority of this officer to submit bids on behalf of the Company, and also the names and residence addresses of all officers of the Company.
5. Fill in all blank spaces with information asked for or bid may be invalidated.
PROPOSAL MUST BE INTACT. MISSING PAGES MAY INVALIDATE YOUR BID.

END OF PROPOSAL

SECTION 00210 - INSTRUCTIONS TO BIDDERS

Part 1 - GENERAL

1.01 GENERAL

- A. Only Bidders with the required contractor's license(s) are eligible to submit a Bid.
- B. Bidders (Contractors) shall be incorporated or organized under the laws of the State or be registered to do business in the State as a separate branch or division that is capable of fully performing under the contract. The following definitions are used in the solicitation documents.
 - 1. Hawaii Business §3-1222-112 HAR: A bidder who is registered and incorporated or organized under the laws of the State is a "Hawaii Business" and eligible for an award.
 - 2. Compliant non-Hawaii Business §3-122-112 HAR: A bidder not incorporated or organized under the laws of the State, but is registered to do business in the State and complies with or is exempt from the requirements of §3-122-112 HAR, is a "Compliant Non-Hawaii Business" and eligible for an award.
 - 3. Non-compliant Bidder: If a bidder is a non-Hawaii business and is not registered with the DCCA Business Registration Division (BREG) or cannot comply with §3-122-112 HAR, then the bidder is non-compliant and is ineligible for an award.
- C. Prospective Bidders shall submit their "Intention to Bid".
- D. Bidders shall submit the "Sealed Bid Form", bid bond (if required), tax clearances, Hawaii business certificates, and any other documents required by the bidding documents.
- E. The GENERAL CONDITIONS set forth additional terms and conditions for the bid and award process. The GENERAL CONDITIONS will be part of the contract documents by which HHSC and the bidder (prospective contractor) will be bound. Bidders are directed to the GENERAL CONDITIONS for contract and statutory requirements and for Bidding and Execution of the Contract Requirements. Bidders are also directed to "Section 00700 – General Conditions" and "Section 00800 – Special Conditions" of these specifications for definitions and modifications to the GENERAL CONDITIONS.

1.02 OFFEROR(S) or BIDDER(S)

- A. The terms "Offeror" and "Bidder" are synonymous when used in this Section 00210 and other solicitation documents.

1.03 ADDENDA, CLARIFICATIONS

- A. Addenda: The HHSC may periodically issue an addendum that may increase or decrease the scope of work or contract time, provisions or conditions. The HHSC will make the addenda available to the bidders at the Contracts Manager's office. Bidders are responsible for the information contained in the addenda or bid clarification whether or not the Bidder receives the addenda or clarification.
- B. Bidders discovering an ambiguity, inconsistency or error when examining the bidding documents or the site and local conditions or bidders with questions or clarification requests shall send their written requests (email or fax notification are acceptable) to the Project Architect. Bidders shall comply with the following procedures:
 - 1. Identify each request with the Project Name and HHSC RFP Number.
 - 2. Indicate the appropriate section number, paragraph, drawing and detail number, schedule or other identifier.
 - 3. The request should be brief, concise, but complete enough to properly evaluate and determine the merits or non-merits of the question or request.
- C. Bidders shall make any requests for clarifications no later than fourteen (14) calendar days prior to the submission date for sealed bids. Refer to the "Notice to Bidders" for submission date.
- D. HHSC will respond to important requests or clarifications by way of addenda. HHSC may not address or respond to all bidders inquiries, if the HHSC determines the request is unimportant or not required to disseminate to all Bidders.

1.04 SEALED BID FORM (BID FORM)

- A. Bidder shall fill out the "Sealed Bid Form" completely. Write in ink or type. Besides the following paragraphs with instructions, there are supplemental Bidder's Instructions within the text of the "Sealed Bid Form" and bidders shall comply with the instructions. Do not alter the "Sealed Bid Form", and maintain the form intact.
- B. HAWAII PRODUCT PREFERENCE: If applicable to this project, bidders proposing to use Hawaii products shall complete the "Hawaii Product Schedule" by entering the product total cost (not unit price) and identifying the respective class. Bidders may provide a cost for any one or as many products listed in the schedule. Any product that is left without a respective cost and class designation cannot be used in the preference evaluation.

1. If there are several classes offered for a product, the bidder shall choose and circle the appropriate class, otherwise, preference will be given based on the class with the lower percentage.
 2. If the Hawaii product preference is used to determine the contract award, the bidder must use the designated Hawaii products in the work, otherwise the bidder (contractor) may be in default of the contract.
- C. RECYCLED PRODUCT PREFERENCE is not applicable to this project.
- D. OTHER CONDITIONS: Bidder acknowledges and agrees to the provisions and certifications stated in this article.
- E. RECEIPT OF ADDENDA: Bidder shall fill in the appropriate dates any addenda were received.
- G. LISTING JOINT CONTRACTORS OR SUBCONTRACTORS:
1. Bidder shall complete the "Joint Contractors or Subcontractors List." It is the sole responsibility of the bidder to review the requirements of this project and determine the appropriate specialty contractor's licenses that are required to complete the project. Failure of the bidder to provide the correct names, license numbers, specialty class number, classification description and to indicate that the specialty contractor is required for this project, may cause the bid to be rejected.
 2. Bidder agrees the completed listing of joint contractors or subcontractors is required for the project and that the bidder, together with the listed joint contractors and subcontractors, have all the specialty contractor's licenses to complete the work.
 3. Based on the Hawaii Supreme Court's January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Hawaii 450 (2002), the bidder as a general contractor ('A' or 'B' license) is prohibited from undertaking any work solely or as part of a larger project, which would require the bidder ('A' or 'B' general contractor) to act as a specialty ('C' license) contractor in any area in which the bidder ('A' or 'B' general contractor) has no specialty contractor's license. Although the 'A' and 'B' contractor may still bid on and act as the "Prime Contractor" on an 'A' or 'B' project (See, *HRS §444-7 for the definitions of an "A" and "B" project*), respectively, the 'A' and 'B' contractor may only perform work in the areas in which they have the appropriate contractor's license. The bidder ('A' or 'B' general contractor) must have the appropriate 'C' specialty contractor's licenses either obtained on its own, or obtained automatically under HAR §16-77-32.
 4. General Engineering 'A' Contractors automatically have these 'C' specialty contractor's licenses: C-3, C-9, C-10, C-17, C-24, C-31a,

C-32, C-35, C-37a, C-37b, C-38, C-43, C-56, C-57a, C-57b, and C-61.

5. General Building 'B' Contractors automatically have these 'C' specialty contractor's licenses: C-5, C-6, C-10, C-12, C-24, C-25, C-31a, C-42a, and C-42b.
6. The table that lists the specialty contractor' classifications in the bid form is from the Department of Commerce and Consumer Affairs' (DCCA) website www.state.hi.us/dcca/har/index.html. Bidders shall provide the appropriate classifications numbers and descriptions for any specialty contractors that are not included in the bid form and bidders are directed to the DCCA web site for the latest updated list.
7. Instructions to complete the Joint Contractors or Subcontractors List:
 - a. Determine the specialty contractor classification(s) required for this project and provide the complete firm name and license number of the joint contractor or subcontractor in the respective columns. If the bidder is a general contractor and providing the work of the required specialty contractor classification, fill in the bidder's (general contractor's) license number and name.
 - b. List only one joint contractor or subcontractor per required specialty contractor's classification.
 - c. For projects with alternate(s), fill out the respective "Joint Contractors or Subcontractors List for the Alternate(s)." Bidder shall determine the specialty contractor's classification and description required for the respective alternate. Bidders shall fill in the complete class number, class description, firm name and license number of the respective joint contractor or subcontractor. The bidder shall not include any joint contractor or subcontractor previously listed for the base bid.
- G. **COST AND TIME:** Bidder shall completely fill out the article and enter the cost for the Project Bid Price, and Alternates when provided. Bidder shall tabulate the Project Bid Price, and Alternates when provided, and the Bidders shall then enter the Total Lump Sum Bid Price. **BE SURE TO ENTER THE TOTAL LUMP SUM BID PRICE IN WORDS AND NUMERALS.** Refer to Bidder's Instructions located within the article.
 1. If provided, bidder shall fill in total costs for each alternate.
 2. The bidder is directed to the construction time information paragraph "B" for the list of contract times and dates which may include: contract duration, project start date, jobsite start date,

jobsite completion, contract completion date and construction time for alternates. Bidder shall refer to "Section 01100" of these specifications for additional construction time information, as applicable.

- H. **SIGNATORY PAGE:** Bidder shall completely fill out article (page). Bidder shall indicate if it is a "Hawaii Business" or a "Compliant Non-Hawaii Business." Also, bidder shall refer to Bidder's Instructions located within the article.

1.05 EVALUATION CRITERIA

- A. **EVALUTATING BIDS:** The lowest responsive, responsible bid is determined by the following procedures:
 - 1. Chapter 103D, HRS, which provides for the preferences, shall apply.
 - 2. The total lump sum bid price is adjusted to reflect the applicable preferences.
 - a. For projects with alternates, the total lump sum base bid price and alternates will be adjusted to reflect the applicable preferences.
 - 3. Project control budget is established prior to the submission of bids.

1.06 METHOD OF AWARD

- A. The contract will be awarded to the lowest responsive and responsible Bidder whose bid (including any alternates which may be selected) meets the requirements and criteria set forth in the solicitation documents.
- B. In the event the total lump sum bid of all bidders exceeds the project control budget, HHSC reserves the right to make an award to the apparent Low Bidder if additional funds are available or by reducing the scope of work through negotiation.

1.07 OTHER CONDITIONS FOR AWARD

- A. The Chief Procurement Officer may reject any or all bids and waive any defects if the Chief Procurement Officer believes the rejection or waiver is in the best interest of HHSC.
- B. The Chief Procurement Officer may hold all bids up to 60 calendar days from the date bids were opened. Unless otherwise required by law, bids may not be withdrawn without penalty.
- C. The award of the contract is conditioned upon funds made available for the project (or projects if applicable).

1.08 COMPLIANCE WITH §3-122-112 HAR:

- A. As a condition for award of the contract and as proof of compliance with the requirements of 103D-310(c) HRS, the bidder shall meet the “Hawaii Business” or “Compliant non-Hawaii Business” requirements and shall provide the following documents:
1. Department of Taxation (DOTAX) and the IRS tax clearance certificates.
 2. Department of Labor (DLIR) certificate of compliance.
 3. Department of Commerce and Consumer Affairs (DCCA), Business Registration Division (BREG) certificate of good standing.
 - a. A Hawaii business that is a sole proprietorship is not required to register with the BREG and therefore not required to submit the DCCA, BREG “Certificate of Good Standing.”
- B. The apparent three low bidders shall furnish the required documents to HHSC within seven calendar days from the bid opening date. If a valid certificate is not submitted on a timely basis for award of a contract, a bidder otherwise responsive and responsible may not receive the award. Bidder is responsible to apply for and submit the documents by the required deadlines.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 REQUIRED DOCUMENTATION FOR HAWAII BUSINESS OR COMPLIANT NON-HAWAII BUSINESS (§3-122-112 HAR)

- A. TAX CLEARANCE REQUIREMENTS (HRS Chapter 237): Bidder shall obtain a tax clearance certificate from the Hawaii State Department of Taxation (DOTAX) and the Internal Revenue Service (IRS). The certificate is ~~are~~ valid for six months from the most recently approved stamp date on the certificate; the certificate must be valid on the date received by HHSC.
1. DOTAX *TAX CLEARANCE APPLICATION* Form A-6 (Rev 2003) is available at DOTAX and IRS (State of Hawaii) offices or DOTAX website, and by mail or fax.
 - a. DOTAX website: <http://www.state.hi.us/tax/alphalist.html#a>
 - b. DOTAX forms by fax/mail: (808) 587-7572 or 1-800-

222-7572

2. Mail, fax or submit in person completed tax clearance application forms to the Department of Taxation, Taxpayer Services Branch or to the address listed on the application. Facsimile numbers are:
 - a. DOTAX: (808) 587-1488
 - b. IRS: (808) 539-1573
 3. DOTAX will return the form to the bidder. The bidder is reminded that it is responsible to submit the applications for the tax clearance directly to DOTAX or IRS and not to HHSC.
- B. DLIR CERTIFICATE of COMPLIANCE (HRS Chapter 383 - Unemployment Insurance, Chapter 386 - Workers' Compensation, Chapter 392 - Temporary Disability Insurance, and 393 – Prepaid Health Care): Bidder shall obtain a certificate of compliance from the Hawaii State Department of Labor and Industrial Relations (DLIR). The certificate is valid for six months from the date of issue; certificates must be valid on the date received by HHSC.
1. *DLIR APPLICATION FOR CERTIFICATE OF COMPLIANCE WITH SECTION 3-122-112 HAR*, Form LIR#27 is available at DLIR website or at the neighbor island DLIR District Office.
 - a. DLIR website: <http://www.dlir.state.hi.us/LIR#27>
 2. Mail, fax or submit in person completed application form to the Department of Labor and Industrial Relations, Administrative Services Office at the address listed on the application.
 3. DLIR will return the form to the bidder. The bidder is reminded that it is responsible to submit the application for the certificate directly to DLIR and not to HHSC.
- C. DCCA CERTIFICATE OF GOOD STANDING: Bidder shall obtain a certificate of good standing issued by the Department of Commerce and Consumer Affairs (DCCA), Business Registration Division (BREG). The certificate of good standing is valid for six months from the date of issue; certificates must be valid on the date received by HHSC.
1. *DCCA CERTIFICATE OF GOOD STANDING* is available from the business registrations website or by telephone. Bidders are advised there are costs associated with registering and obtaining the certificate.
 - a. DCCA form website: <http://www.BusinessRegistrations.com>
 - b. DCCA telephone: (808) 586-2727, M - F 7:45 to 4:30 HST

2. Submit the application per DCCA's requirements.
3. DCCA will return the form to the bidder. The bidder is reminded that it is responsible to submit the application for the certificate directly to DCCA and not to HHSC.

END INSTRUCTION TO BIDDERS

SECTION 00800 - SPECIAL PROVISIONS

PART 1 - GENERAL

1.01 SUBSTITUTION REQUESTS

- A. Written substitution requests must be submitted with your Invitation for Bid (IFB) in accordance with IFG Section 3. All substitutions will be reviewed and approved in accordance with the GTC.
- B. Substitution requests by FAX are not acceptable.

1.02 PROJECT CONTACT PERSON

- A. HHSC Representative – For access to the site.

NAME: Mr. Ron Kurasaki
POSITION OR TITLE: Project Manager
TELEPHONE NUMBER: (808) 486-8048
Email: rkurasaki@hhsc.org

- B. Project Coordinator - For questions and clarifications during bidding and Requests for Substitutions.

NAME: Mr. Clifford Murakami
POSITION OR TITLE: Project Architect
TELEPHONE NUMBER: (808) 949-1601
Email: cmurakami@pacarchitects.com

- C. Procurement Agency – For questions regarding proposal and contract requirements.

NAME: Mr. Scott Kawai
POSITION OR TITLE: Contracts Manager
TELEPHONE NUMBER: (808) 832-3025
Email: SKawai@hhsc.org

1.03 OFFEROR'S RESPONSIBILITY FOR EXAMINING PLANS, SPECIFICATIONS AND SITE OF WORK

- A. Offerors herewith refers to sub-contractors, suppliers, manufacturer's representatives as well as contractors.

1.04 LIQUIDATED DAMAGES

- A. The time of completion for the Work shall be within 360 consecutive calendar days from the official commencement date of the Notice to Proceed (NTP).
- B. In accordance with the General Conditions, upon failure to complete Work or any portion of the Work within the time or times fixed in the contract or extension thereof, the Contractor shall pay liquidated damages to the Department in the amount of \$250.00 per calendar day of delay.

- C. In accordance with the General Conditions, PROJECT ACCEPTANCE DATE, for failure to correct punch list deficiencies, within the time or times fixed in the contract or extension thereof, the Contractor shall pay liquidated damages to the HHSC, in the amount equal to ten percent (10%) of the liquidated damages per calendar day of delay.
- D. In accordance with the General Conditions FINAL SETTLEMENT OF THE CONTRACT, for failure to submit closing documents within the time or times fixed in the contract or extension thereof, it is agreed that the Bidder shall pay liquidated damages to HHSC in the amount equal to five percent (5%) of the liquidated damages per calendar day of delay.

1.05 **SPECIALTY CONTRACTOR'S LICENSE**

- A. Contractor shall be solely responsible to assure that all the specialty licenses required to perform the Work are covered by the Contractor or its subcontractor(s).

1.06 **WORKING HOURS**

- A. The regular working hours for this project is from 8:00 AM to 4:30 PM Monday through Friday, excluding State Holidays, unless otherwise noted or restricted under "Section 01100". The Working Hours provisions of specification "Section 01100" shall govern over this article 1.06.
- B. The Contractor may be given approval to work beyond the regular hours including Saturdays, Sundays, State Holidays, night work, or after hours under the provisions of the GENERAL CONDITIONS, "Overtime And Night Work Section" and under specification "Section 01100".

1.07 **COVID-19 REQUIREMENTS AND PROTOCOL**

- A. ALL CONTRACTOR personnel entering the facilities shall be fully vaccinated. The CONTRACTOR shall comply with all Federal, State, County, HHSC, and facility COVID-19 rules, regulations, and requirements. All CONTRACTOR personnel entering the facility shall be vaccinated in accordance with CMS, CDC, and HHSC Oahu Region guidelines. Failure to do so may result if CONTRACTOR personnel being prohibited from entering facility. All cost incurred due to non-compliance shall be the responsibility of the CONTRACTOR.

1.08 **SPECIAL PROCEDURES DURING BIDDING**

- A. Bid documents will be available online and from the Contracts Manager's office, at Maluhia, 1027 Hala Drive, Honolulu, HI, 96817.
- B. All bids shall be submitted to the Contracts Manager.
- C. All questions regarding the plans and specifications shall be submitted, in writing, to the Architect. The Architect will review the questions and issue any responses via Addendum. Only information received by Addendum shall be binding.

- D. All questions regarding the proposal or contractual requirements shall be submitted, in writing to the Contracts Manager. The Contracts Manager will review the questions and issue any responses via Addendum. Only information received by Addendum shall be binding.
- E. Any visitation to the site to examine the scope of work shall be requested through the HHSC Representative. Disruption of facility operations shall not be permitted.

1.09 PROCEDURES DURING CONSTRUCTION

- A. Upon issuance of the Notice to Proceed, the Contractor shall submit a work schedule for review and discussion. The work schedule shall be updated on a weekly or bi-weekly basis as directed by the Architect.
- B. On a weekly or bi-weekly basis, the Contractor shall conduct a progress meeting with the Hospital and Architect. The meeting will discuss the progress of the construction, discussion of problems, and review of outstanding issues. The Contractor shall conduct the meeting and prepare the meeting notes and minutes and distribute to all parties.
- C. During the construction, submittals and RFIs shall be submitted to the Architect for review and action. To expedite the review, the Contractor may make submittals via email.
- D. Periodic requests for payment shall be submitted to the Architect for review and confirmation. Approved requests for payment will be forwarded to the Contracts Officer for processing of payment.
- E. Upon substantial completion of the project, the Contractor shall submit in writing to the Architect a request for a pre-final inspection. The Contractor shall have completed their own inspection and completed all noted discrepancies. Include with the request for the pre-final inspection a list of all outstanding work not completed or corrected.
- F. Upon conducting a pre-final inspection, the Architect shall prepare a punchlist of noted discrepancies for the Contractor's remedial action. A final inspection will be performed upon completion of all punchlist items.

1.10 PROJECT RESTRICTIONS

- A. The Contractor is informed that the facilities will be fully occupied and work shall be performed in close coordination with the HHSC representative. Work shall be phased and may be limited to one area at a time. If work will require the relocation of clients from the work area, time shall be allocated for the Hospital to conduct this relocation. Scheduling of the work shall be closely monitored and work performed to minimize the disruption to the remaining areas of the facility. All work schedules shall be approved by HHSC prior to starting.
- B. Staging and storage of materials on-site is limited and shall not be allowed unless coordinated and approved with the HHSC representative.

- Contractor may be required to store materials off-site at his own expense.
- C. Parking on-site is limited and may be restricted to only active delivery of materials and equipment. Coordinate with the HHSC representative. If on-site parking will not be available, the Contractor shall park off-site.
 - D. The above restrictions shall be considered in the work of this project and shall be included in the Contractor's cost. No additional compensation shall be made for not considering these restrictions.

PART 2 - MATERIALS (Not Used)

PART 3 - EXECUTION

3.01 FINAL PAYMENT REQUIREMENTS

- A. In addition to the requirements in the GENERAL CONDITIONS "Final Payment" section, the contractor shall submit"
 - 1. Tax clearance certificate from DOTAX and IRS, current within two months of the issuance date; and
 - 2. An originally signed Certificate of Compliance for Final Payment (SPO Form - 22, modified), affirming that the contractor remained in compliance with all laws as required by (§3-122-112 HAR). A contractor making a false affirmation shall be suspended and may be debarred pursuant to section 103D-702 HRS.

END OF SECTION

SECTION 01019 - GENERAL PROJECT REQUIREMENTS

PART 1 - GENERAL

1.01 SUMMARY OF WORK

- A. Perform operations and furnish equipment, tools, materials, related items and labor necessary to execute, complete and deliver the Work as required by the Contract Documents.

1.02 DIVISION OF WORK

- A. The Division and Sections into which these specifications are divided shall not be considered an accurate or complete segregation of work by trades. This also applies to work specified within each section
- B. Where devices, or items, or parts thereof are referred to in the singular, it is intended that such reference shall apply to as many such devices, items or parts as are required to properly complete the Work.
- C. Specifications and Drawings are prepared in abbreviated form and include incomplete sentences. Omission of words or phrases such as "the Contractor shall", "as shown on the drawings", "a", "an", and "the" are intentional. Omitted words and phrases shall be provided by inference to form complete sentences
- D. Specifying of interface and coordination in the various Specification Sections is provided for information and convenience only. Such requirements in the various Sections shall complement the requirements of this Section.

1.03 NOTIFICATION

- A. Contact the Architect and HHSC Representative at least five (5) working days prior to starting any onsite work.

1.04 SAFETY REQUIREMENTS

- A. The Hawaii Occupational Safety and Health Law, Chapter 396, Hawaii Revised Statutes, effective May 16, 1972, as amended, is applicable and made a part of the Contract. Carefully read and strictly comply with its requirements.
- B. Protect the facility personnel, students, and the public whenever power driven equipment is used. Ensure adequate safety precautions are used when operating any power driven equipment.

1.05 PERFORMANCE AND COORDINATION

- A. Contractor shall be in charge of the Work and the Project Contract Limits, as well as the directing and scheduling of all work. Contractor shall

include general supervision, management and control of the Work of this project, and in addition to other areas more specifically noted throughout the Specifications. Final responsibility for performance, interface, and completion of the Work and the Project shall be the Contractor's.

- B. Jobsite Administration shall be the responsibility of the Contractor. Provide a competent superintendent on the job and provide an adequate staff to execute the Work. In addition, all workers shall dress neatly and conduct themselves properly at all times. Loud abusive behavior, sexual harassment and misconduct will not be tolerated. Workers found in violation of the above shall be removed from the job site as directed by the HHSC Technical Representative.
- C. The HHSC and/or Hospital will hold the Contractor liable for all the acts of Subcontractors and shall deal only with the Prime Contractor in matters pertaining to other trades employed on the job.
- D. Coordination: Provide project interface and coordination to properly and accurately bring together the several parts, components, systems, and assemblies as required to complete the Work.
 - 1. Provide interface and coordination of all trades, crafts and subcontracts. Ensure and make correct and accurate connections of abutting, adjoining, overlapping, and related work. Provide anchors, fasteners, accessories, appurtenances, and incidental items needed to complete the Work, fully, and correctly in accordance with the Contract Documents.
 - 2. Provide additional structural components, bracing, blocking, miscellaneous metal, backing, anchors, fasteners, and installation accessories required to properly anchor, fasten, or attach material, equipment, hardware, systems and assemblies to the structure.
 - 3. Provide caulking, sealing, and flashing as required to waterproof the building complete and as required to insulate the building thermally and acoustically. Include sealing, flashing, and related work as required to prevent moisture intrusion, air infiltration, and light leakage.
 - 4. Materials, equipment, component parts, accessories, incidental items, connections, and services required to complete the Work which is not provided by subcontractors shall be provided by the Contractor.

1.06 COOPERATION WITH OTHER CONTRACTORS

- A. The Hospital reserves the right at any time to contract for or otherwise perform other or additional work within the Project Contract Limits. The Contractor of this project shall to the extent ordered by the HHSC Representative, conduct its work so as not to interfere with or hinder the

progress or completion of the work performed by the Hospital or other contractors.

1.07 SUBMITTALS

- A. Furnish required submittals specified in this Section and in the Technical Sections. Submittals include one or more of the following: shop drawings, color samples, material samples, technical data, material safety data information, schedules of materials, schedules of operations, guarantees, certifications, operating and maintenance manuals, and field posted as-built drawings.
- B. Record Drawings: Field Posted As-Built Drawings, the intent of which is to record the actual in-place construction so that any future renovations or tie-ins can be anticipated accurately, shall be prepared and submitted by the Contractor. To accomplish this, the following procedure shall be followed by the Contractor:
 - 1. A full-size set of field posted as-built drawings shall be maintained at the job site. All deviations from alignments, elevations and dimensions which are stipulated on the drawings and authorizations given by the HHSC Technical Representative to deviate from the drawings shall be clearly and accurately recorded by the Contractor on this set of record drawings.
 - 2. Changes shall be recorded immediately after they are constructed in place to assure they are not forgotten. Record the changes in red pencil and where applicable, refer to the authorizing document or Change Order. The field posted as-built drawings shall be made available to the Architect and HHSC Technical Representative at any time so that its clarity and accuracy can be monitored.
 - 3. The words "FIELD POSTED AS-BUILT" shall be labeled on the title sheet and certified by the Contractor as to accuracy and completeness as shown below:

FIELD POSTED AS-BUILT

Certified By: _____ Date: _____
Contractor (Include name and company)

- 4. The words "FIELD POSTED AS-BUILT" shall be labeled on all sheets in the margin space to the right of the sheet number written from the bottom upward.
- 5. The Index to Drawings shall be revised with the label "FIELD POSTED AS-BUILT" for each sheet. The index shall conclude with the following note: "A COMPLETE SET CONTAINS _____ SHEETS" with the total number of sheets comprising the set to be placed in the blank.

6. Any "FIELD POSTED AS-BUILT" drawing which the Architect determines does not accurately record the deviation may be corrected by the Architect and the Contractor shall be charged for the services.
7. Submit the set of "FIELD POSTED AS-BUILT" drawings to the Architect and notify the HHSC Technical Representative no later than five (5) calendar days prior to the date of final inspection.
8. "AS-BUILT" drawings will be prepared by the design consultant using the "FIELD POSTED AS-BUILT". Both sets of drawings will be sent to the Contractor for review and approval. The Contractor shall retain the "FIELD POSTED AS-BUILT" drawings for records, sign the "AS-BUILT" set of drawings, indicating approval, and return the drawings in a timely manner to the Architect and notify the HHSC Representative.

1.08 CONSTRUCTION SCHEDULE:

- A. The Construction Schedule completion date will be approved prior to award. The daily activities of the Construction Schedule will be reviewed within fifteen (15) calendar days after the Notice to Proceed or upon earlier written instruction by HHSC.
- B. The schedule shall be related to the entire project to the extent required by the Contract Documents, and shall provide for expeditious and practicable execution of the work. If requested by the Architect or HHSC Representative, the Contractor shall participate in a preliminary meeting to discuss the proposed schedule and requirements prior to submission of the schedule.
- C. Contractor shall prosecute the work according to the Schedule. The Architect and HHSC Representative shall rely on the reviewed Contractor's Schedule and regular updates for planning and coordination. The HHSC Representative's review of the Contractor's Construction Schedule does not relieve the Contractor of its obligation to complete the work within the allotted contract time. Nor does the review grant, reject or in any other way act on the Contractor's request for adjustment(s) to complete remaining contract work, or for claims of additional compensation. Such requests shall be processed in accordance with other relevant provisions of the contract.
- D. If the Architect issues a Field Order or Change Order or requires Force Account Work that affects the sequence or duration of work activities noted on the construction progress schedule, the Contractor shall promptly update the schedule. This shall be accomplished by adding, deleting or revising the work activities noted, or changing the logic in the schedule to show the Contractor's plan for incorporating the change into the flow of work. All Change Orders and Time Extension requests that

affect the construction schedule shall be evaluated based on their impact on the approved Construction Schedule.

1.09 MEETINGS

- A. Contractor shall meet with the hospital's representative, weekly or other interval as determined, to discuss the progress of the Work.
- B. For each meeting, Contractor shall take meeting minutes and provide a list stating all items, work or material, which may cause a delay or have an impact on the project's contractual dates. The list shall be inclusive of items requiring action from all responsible parties such as outstanding submittal status, request for information (clarification), force account work, change order, and change proposals. The format of this list shall be at the Contractor's discretion, subject to the Architect's approval. Submit the list to all parties for discussions as a meeting agenda. Contractor shall provide a plan of corrective action for any item, which is delayed or expected to be delayed, where that item impacts the contractual dates.

1.10 PROJECT AND SITE CONDITIONS

- A. Project Contract Limits (Contract Zone Limits) shown on the drawings indicate only in general the limits of the work involved. Perform necessary and incidental work, which may fall outside of these demarcation lines. Confine construction activities within the Project Contract Limits and do not spread equipment and materials indiscriminately about the area.

1.11 SANITARY FACILITIES

- A. The Contractor shall be allowed to utilize on-site restrooms as directed by the Architect and/or HHSC Representative. The Contractor shall maintain the facility in clean and sanitary condition at all time. Failure to do so, may require the Contractor to provide portable temporary toilet facilities for the contractor's use.

1.12 CONSTRUCTION AIDS

- A. Provide construction aids and equipment required by construction personnel and to facilitate execution of the Work including: scaffolds, ladders, ramps, platforms, railings, and other such facilities and equipment.

PART 2 - MATERIALS

2.01 QUALITY

- A. Materials, items, equipment and fixtures specified in the various Divisions and Sections shall be new unless otherwise specified.

2.02 STORAGE AND HANDLING

- A. Contractor shall supervise jobsite delivery and handling, and assign storage space for materials, items, equipment and fixtures of all trades. Contractor and installer are responsible for delivery, unloading, unpacking, handling, storage, distribution, installation and protection of its materials at the jobsite.
- B. Except as otherwise required by these specifications or by the Hospital, determine and comply with manufacturer(s) recommendation(s) on product handling, storage and protection.
- C. Deliver products to the jobsite in manufacturer's original containers, with labels intact and legible. Maintain packaged material with seals unbroken and labels intact until time of use. Promptly remove damaged materials and unusable items from the jobsite, and promptly replace with material meeting the specified requirements, at no additional cost to the Hospital.
- D. The Architect may reject as non-complying such material and products that do not bear identification satisfactory to the Architect as to manufacturer, grade, quality, and other pertinent information.

PART 3 - EXECUTION

3.01 EXAMINING THE SITE

- A. Contractor and Subcontractors are expected to visit the site and make due allowances for difficulties and contingencies to be encountered. Compare contract documents with work in place. Become familiar, with existing conditions, the conditions to be encountered in performing the Work, and the requirements of the drawings and specifications.
- B. Verify construction dimensions and elevations indicated on the drawings before any construction begins. Any discrepancy shall be immediately brought to the attention of the Architect, and any change shall be made in accordance with the Architect's instruction. Contractor shall not be entitled to extra payment if it fails to report the discrepancies before proceeding with any work whether within the area affected or not.
- E. Obtain all field measurements required for the accurate fabrication and installation of the Work included in this Contract. Exact measurements are the Contractor's responsibility.
- F. Furnish or obtain templates, patterns, and setting instructions as required for the installation of all Work. All dimensions shall be verified in the field.
- G. The Contractor shall accept the site in the condition which exists at the time access is granted to begin the Work.
 - 1. Verify existing conditions and dimensions shown and other dimensions not indicated but necessary to accomplish the Work.

2. Locate general reference points and take action to prevent their destruction. Lay out work and be responsible for lines, elevations and measurements and the work executed. Exercise precautions to verify figures and conditions shown on drawings before layout of work.
3. Before starting the Work, the Contractor and each Subcontractor, shall verify governing dimensions and shall examine adjoining work on which the Contractor's work is in any way dependent. No additional compensation will be allowed on account of differences between actual measurements and dimensions shown. Submit differences discovered during the verification work to the Architect for interpretations before proceeding with the associated work.

3.03 UTILITY SERVICE

- A. Electricity - Make arrangements with the facilities for temporary use of electricity for construction use.
- B. Telephone - Make arrangements with the utility companies for temporary telephone service for construction use or utilize cellular phone service.
- C. Water - Make arrangements for temporary water use with the facilities.

3.04 ENVIRONMENTAL

- A. General Contractor shall oversee that proper environmental conditions are met regarding temperature, humidity, lighting and ventilation.

3.05 PREPARATION AND PROTECTION

- A. Protection of Property: Continually maintain adequate protection of the Work from damage and protect all property, including but not limited to buildings, equipment, furniture, grounds, vegetation, material, utility systems located at and adjoining the job site. Repair, replace or pay the expense to repair damages resulting from Contractor's fault or negligence.
- B. Before starting work to be applied to previously erected constructions, make a thorough and complete investigation of such recipient surfaces and determine their suitability to receive required additional construction and finishes. Contractor, at its expense, shall make whatever repairs and conditioning required to properly prepare such surfaces. Contractor shall coordinate the work to provide a suitable surfaces to receive following work.
- C. Commencement of work by any trade will be construed as acceptance of existing conditions and surfaces as being satisfactory for application of subsequent work, and full responsibility for finished results and assumption of warranty obligations under the Contract.

- D. Protect existing work in a manner to prevent damage including interior work from damage by vandals or the elements. Provide temporary protection. Use curtains, barricades, or other appropriate methods. Take positive measures to prevent breakage of glass and damage to plastic, aluminum and other finishes.
- E. Repairs and Replacements: In event of damage, promptly make replacements and repairs to the approval of the Architect and/or HHSC Representative and at no additional cost to the Hospital. Additional time required to secure replacements and to make repairs will not be considered to justify an extension in the Contract Time or completion.

3.06 BARRICADE

- A. Erect temporary construction barricade(s) to prevent unauthorized persons from entering the project area and to the extent required by the Architect and/or HHSC Representative.
- B. Maintain temporary construction barricade(s) throughout the duration of the Work. During the course of the project, the Architect and/or HHSC Representative may require additional barricades be provided for the safety of the public. Contractor shall erect the additional barricade(s) at its own expense.

3.07 INSTALLATION

- A. Materials, items, fixtures required by the various Divisions and Sections of the Specifications shall be installed in accordance with Contract Documents, by workers specially trained and skilled in performance of the particular type of work, to meet guarantee and regulatory agency requirements. Should the drawings or specifications be void of installation requirements, install the materials, items, fixtures in accordance with the manufacturer's current specifications, recommendations, instructions and directions, and/or best construction industry standards.

3.08 CUTTING AND PATCHING

- A. General Contractor shall oversee cutting and patching of concrete, masonry, structural members and other materials where indicated on drawings and as job conditions require. Unless noted elsewhere in the Drawings and Specifications, no cutting or patching of existing or new structural members will be permitted without previously notifying the HHSC Technical Representative.
- B. Patching materials and workmanship shall be of equal quality to that indicated on the drawings, specified for new work, and/or to match the construction of item to be patched.

3.09 CLEAN-UP

- A. Rubbish and debris resulting from work of the various Divisions and Sections of the specifications shall be collected and disposed of by the Contractor at legal disposal areas away from the project site. Clean up and remove from premises all debris accumulated from operations from time to time and as directed by the Architect and/or HHSC Representative. Permission to provide on-site trash containers shall be granted by the Hospital and shall be placed where directed by the Architect and/or HHSC Representative.

END OF SECTION

SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: The work shall generally consist of demolition of interior walls, doors, plumbing fixtures, lighting, floor slab, and miscellaneous work as indicated on the drawings and specified herein.
 - 1. Project Location: Maluhia, 1027 Hala Dr., Honolulu, Hawaii.
- B. Perform operations and furnish equipment, tools, materials, related items and labor necessary to execute, complete and deliver the Work as required by the Contract Documents.
- C. The Division and Sections into which these specifications are divided shall not be considered an accurate or complete segregation of work by trades. This also applies to work specified within each section
- D. Contractor shall not alter the Drawings and Specification. If an error or discrepancy is found, notify the Architect.
- E. Specifying of interface and coordination in the various specification sections is provided for information and convenience only. These requirements in the various sections shall complement the requirements of this Section.

1.02 SPECIFICATION FORMATS AND CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated and include incomplete sentences. Omission of words or phrases such as “the Contractor shall”, “as shown on the drawings”, “a”, “an”, and “the” are intentional. Omitted words and phrases shall be provided by inference to form complete sentences. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred, as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates. Where devices, or items, or parts thereof are referred to in the singular, it is intended that such reference shall apply to as many such devices, items or parts as are required to properly complete the Work.

2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
 - a. The words “shall,” “shall be,” or “shall comply with,” depending on the context, are implied where a colon (:) is used within a sentence or phrase.
3. Abbreviations and Acronyms for Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Gale Research’s “Encyclopedia of Associations” or in Columbia Books’ “National Trade & Professional Associations of the U.S.”

B. Definitions

1. Directed: Terms such as “directed,” “requested,” “authorized,” “selected,” “approved,” “required,” and “permitted” mean directed by Contracting Officer, requested by Contracting Officer, and similar phrases.
2. Indicated: The term “indicated” refers to graphic representations, notes, or schedules on drawings or to other paragraphs or schedules in specifications and similar requirements in the Contract Documents. Terms such as “shown,” “noted,” “scheduled,” and “specified” are used to help the user locate the reference.
3. Furnish: The term “furnish” means to supply and deliver to project site, ready for unloading, unpacking, assembly, installation, and similar operations.
4. Install: The term “install” describes operations at project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
5. Provide: The terms “provide” or “provides” means to furnish and install, complete and ready for the intended use.
6. Installer: An installer is the contractor or another entity engaged by contractor as an employee, subcontractor, or sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.

7. Submit: Terms such as “submit,” “furnish,” “provide,” and “prepare” and similar phrases in the context of a submittal, means to submit to the Contracting Officer.

C. Industry Standards

1. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.
2. Publication Dates: Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.
3. Conflicting Requirements: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer uncertainties and requirements that are different, but apparently equal, to Contracting Officer for a decision before proceeding.

1.04 WORK SEQUENCE

- A. The Work will be conducted in a single construction phase.

1.05 USE OF PREMISES AND WORK RESTRICTIONS

- A. General: Contractor shall have full use of construction zone for construction operations, including restricted use of project site, during construction period. Contractor’s use of premises is limited only by State’s right to perform work or to retain other contractors on portions of the project site.
- B. Contractor’s use of premises is restricted as follows:
1. Construction Times and Schedule:
 - a. The Contractor shall coordinate the work schedule with the Architect and/or HHSC Representative. An advanced notice of 15 calendar days shall be provided prior to the start of work. Work can be scheduled for weekdays (8:00 AM to 4:30 PM) with advanced notice by the Contractor.
 - b. The normal operational hours are 8:00 AM to 4:30 PM, Monday through Friday.
 - c. Unless restricted elsewhere in these specifications, the Contractor may not perform work outside of normal daily operation hours. Weekend or holiday work may be

permitted with the approval of the Architect and/or HHSC Representative. Any weekend or holiday work shall require a 15 calendar day advanced notice.

- d. Work performed during normal operating hours shall not impede public traffic or office personnel. An alternate route around the work areas may be required.

2. Site Access and Parking:

- a. Arrange all on-site parking and access with the Architect and/or HHSC Representative.
- b. Permanent use of the loading area is prohibited.
- c. Subject to availability, the Architect and/or HHSC Representative will designate other on-site areas that may be used by the Contractor other than assigned stalls. Restore any property damaged by construction activities at the completion of the project.

3. Sanitation and Utilities:

- a. Contractor may use designated restrooms, however, shall maintain the facilities in clean condition at all times. Coordinate with the Architect and/or HHSC Representative.
- b. Arrange all temporary electricity and water service with the Architect and/or HHSC Representative. There will be no charges for reasonable electricity and water service.
- c. Should interruption of any utility services be required, outages shall be coordinated with the Architect and/or HHSC Representative. A minimum five (5) working days notice shall be provided. Contractor is forewarned that the Architect and/or HHSC Representative may require outages to be done at specific times to minimize disruptions to the facility operations.

4. Other Conditions:

- a. Noise and other disrupting activities normally resulting from construction operations are detrimental to the conduct of normal activities in adjacent locations surrounding the project area. Accordingly, exercise every precaution to keep noise levels to a minimum. Internal combustion engines and compressors shall be equipped with mufflers to reduce noise to a minimum.

- b. Use or application of materials with offensive odors should be avoided and may be restricted from use on this project.

1.06 WORK UNDER OTHER CONTRACTS

- A. Separate Contract: The HHSC may execute a separate contract for certain construction at the facility that was not known at the time Offers were submitted.
- B. Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END SECTION

SECTION 01140 – WORK RESTRICTIONS

PART 1 – GENERAL

1.01 SUMMARY

- A. This section includes work restrictions on the Contractor's operations, and construction as required to maintain the facility's operation during the construction period.

- B. CONSTRUCTION PROVISIONS

1. Rules and Regulations: Consult with the Architect and HHSC Representative at the pre-construction conference and become familiar with the rules and regulations of the facility.
2. Contractor's Operations: Confine all construction operations to the immediate vicinity of the construction activity. Store building materials, equipment, tools and incidentals in an enclosed area as directed by the Architect or HHSC Representative. Take precautions and prevent access to power equipment, tools, etc., by other than authorized construction personnel. Perform operations to insure the safety of the occupants of the buildings at all times.
3. Perform operations to minimize inconvenience or disturbance upon the personnel and residents.
4. Protection of occupants: Special consideration must be made by the Contractor at all times to safely protect the occupants and facility personnel from any and all injuries that may be caused as a result of the work performed under this contract.
5. Caution: The Contractor shall caution his personnel on the job that any association with the occupants be avoided as much as possible, that when spoken to by occupants, normal courtesy shall be maintained at all times.
7. None of the foregoing regulations shall be construed as a restriction on the legal prosecution of the work.

1.02 SEQUENCING OF WORK

- A. The Contractor shall schedule his work in general consideration for the on-going operation of the hospital. All work shall be coordinated with the HHSC Representative and/or Architect.
- B. Stoppage of work for the duration of CMS and State Survey audits shall not incur additional costs to the HHSC.

- C. All work shall be coordinated and scheduled with the hospital and/or HHSC Representative. In general, the Contractor will be restricted to work areas as coordinated with the HHSC Representative.

END OF SECTION

SECTION 01230 - ALTERNATES

PART 1 - GENERAL

1.01 SUMMARY

- A. The description of these alternates are not intended to provide a detailed description of all additional work required by the alternate items, as only the principal features of such additional work are listed.
- B. Should the alternate(s) become a part of the contract, the cost of all additional work required by the alternate item(s), even though not specifically mentioned herein, are included in the lump sum bid price.
- C. Should the alternate become a part of the contract, the construction duration for this work shall be adjusted according to the Schedule and Completion of Work in the Proposal.
- D. The following Alternates refer to items shown on the plans and are specified. Although shown on the plans, all alternates shall not be included in the Base Bid, however, shall only become a part of the contract if the Alternate is accepted.
- E. The following Alternates are listed in order of preference and will be added to the base bid, if funds are available, in the order listed below.

1.02 Alternate No. 1 (Additive)

- A. Provide the additional electrical work shown on Sht. E-1.2 for the Third Floor.

1.03 Alternate No. 2 (Additive)

- A. Remove and dispose of window/door No. 8 and replace with new.

1.04 Alternate No. 3 (Additive)

- A. Remove and dispose of window/door No. 4 and No. 6 and replace with new.

1.05 Alternate No. 4 (Additive)

- A. Remove and dispose of window No. 7 and replace with new.

1.06 Alternate No. 5 (Additive)

- A. Remove and dispose of windows No. 3 and 5 and replace with new.

END OF SECTION

SECTION 01300 - SUBMITTALS

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

Where indicated in these specifications, provide submittals to the Architect for review.

1.02 PROCEDURES

- A. Unless otherwise specified, deliver submittals to the Architect with copy of transmittal to the Contracts Manager.
- B. Transmit all items using form which identifies Project, Contractor, Subcontractor, and major supplier. Identify pertinent drawing sheet, detail number, and specification section number, as appropriate. Identify deviations from Contract Documents. Provide space for the Architect or his Consultant's review stamp.
- C. Upon completion of review by the Architect, the Architect will return submittals to the Contractor with copy to the Contracts Manager and HHSC Representative.

1.03 SCHEDULE OF WORK

- A. Coordinate Schedule with Work Sequence specified in Section 01014.

1.04 SHOP DRAWINGS AND SAMPLE SUBMITTALS

- A. All submittals shall be made in accordance with the following unless otherwise specified. Minimum sheet size is 8-1/2" x 11". Maximum sheet size is same size as the Contract Drawings. Drawings shall be presented in a clear and thorough manner. Details shall be identified by reference to sheet, schedule, and detail shown on Contract Drawings.
- B. Mark each copy to identify applicable products, and other data. Supplement manufacturer's standard data to provide information unique to the work. Include manufacturer's installation instructions when required by the specification.
 - 1. The Contractor shall review, stamp with his approval and submit with reasonable promptness and in orderly sequence so as to cause no delay in work of any other Subcontractor, all shop drawings, and product data required by these specifications.
 - 2. Properly identify shop drawings and samples as specified. At the time of submission, the Contractor shall inform the HHSC Technical Representative in writing of any deviation in the shop drawings or submittals from requirements of the Contract Documents.

3. By approving and submitting the shop drawings and submittals the Contractor thereby represents that he has determined and verified all field measurements, field criteria, materials, catalog numbers and similar data, or will do so, and that he has checked and coordinated each shop drawing and sample with the requirements of these specifications.
 4. Six (6) copies of the Shop Drawings and submittals shall be submitted for review. Upon review, the Architect will retain three (3) copies and return the balance to the Contractor.
 5. The Architect will review the shop drawings and submittals with reasonable promptness so as to cause no delay but only for conformance with the design concept of the Project and with the information given in the Contract Documents. The Architect's review of a separate item shall not indicate approval of an assembly in which the item functions.
 6. The Contractor shall make any corrections required by the Architect and shall resubmit the required number of corrected copies of shop drawings or submittals for review. The Contractor shall direct specific attention in writing or on resubmitted shop drawings to revisions other than the corrections requested by the Architect on previous submissions.
 7. The Architect's review of shop drawings or submittals shall not relieve the Contractor of responsibilities for any deviation from the requirements of the Contract Documents unless the Contractor has informed the Hospital in writing of such deviation, at time of submission, and the HHSC Representative has given written approval to the specific deviation; nor shall the Architect's review relieve the Contractor from responsibility for errors or omissions in the shop drawings or samples.
 8. No portion of the work requiring a shop drawing or sample submission shall be commenced until the submission has been reviewed by the Architect. All such portions of the work shall be in accordance with reviewed shop drawings and samples.
- C. Samples: Submit full range of manufacturer's standard textures, colors, and patterns for the Hospital's selection. Submit samples as specified in the respective Specification sections and as noted above. Samples shall illustrate functional characteristics of the Product, with integral parts and attachment devices. Coordinate submittal of different categories for interfacing work. Include identification on each sample, giving full information.

1.05 BIDDER'S SPECIAL RESPONSIBILITY FOR COORDINATING CONTRACTURAL WORK AND SUBMITTALS:

- A. The General Contractor shall be responsible for the coordination of all contractual work and submittals.
- B. The General Contractor shall have a rubber stamp made up in the following format:

Contractor's Name

PROJECT: _____

PROJECT NO.: _____

THIS SUBMITTAL HAS BEEN CHECKED BY THIS GENERAL CONTRACTOR. IT IS CERTIFIED CORRECT, COMPLETE, AND IN COMPLIANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS. ALL AFFECTED CONTRACTORS AND SUPPLIERS ARE AWARE OF, AND WILL INTEGRATE THIS SUBMITTAL INTO THEIR OWN WORK.

DATE RECEIVED _____
SPECIFICATION SECTION # _____
SPECIFICATION PARAGRAPH # _____
DRAWING _____
SUBCONTRACTOR _____
SUPPLIER _____
MANUFACTURER _____

CERTIFIED BY: _____

- C. This stamp, "filled-in", should appear on the title sheet of each shop drawing, on a cover sheet of submittals in an 8-1/2" x 11" format, or on one face of a cardstock tag (min. 3" x 6") tied to each sample. The tag on the samples should state what the sample is, so that if the tag is accidentally separated from the sample, they can be matched up again. The back of this tag will be used by the Architect for his receipt, review, and log stamp and for any comments that relate to the sample.
- D. All submittals for material and shop drawings listed in the contract documents, shall be required and shall be first reviewed and certified by the General Contractor, then reviewed and approved by the Architect, prior to any ordering of materials and equipment. Submittals that have not been reviewed by the General Contractor shall be returned for review.

1.06 MANUFACTURER'S CERTIFICATES

Submit certificates, warranties, operating and maintenance instructions in accordance with requirements of each specification section. Submit in triplicate.

1.07 MSDS

MSDS shall be submitted prior to the pre-construction meeting. The Contractor shall submit MSDS log and reference each MSDS to its specification Section number and product system.

PART 2 – PRODUCTS

(Not used.)

PART 3 – EXECUTION

(Not used.)

END OF SECTION

SECTION 01577 - POLLUTION CONTROL

PART 1 - GENERAL

1.01 SUMMARY

- A. Includes site and environmental control requirements.

1.02 TRASH, REFUSE DISPOSAL

- A. Burning of debris and/or waste materials on the project site is prohibited.
- B. Do not bury debris and/or waste material on the project site, unless specifically allowed elsewhere in these specifications as backfill material.
- C. Haul unusable debris and waste material to an appropriate off-site dump area. During loading operations, water down or provide other measures to prevent dust or other airborne contaminants.
- D. Vacuum, wet mop, or damp sweep when cleaning rubbish and fines which can become airborne from floors or other paved areas. Do not dry sweep.
- E. Use enclosed chutes and/or containers to conveying debris from above the ground floor level.
- F. Clean-up shall include the collection of all waste paper and wrapping materials, cans, bottles, construction waste materials and other objectionable materials, and removal as required. Frequency of clean-up shall coincide with rubbish producing events. The Contractor shall be responsible for all clean-up cost.

1.03 DUST

- A. Prevent dust from becoming airborne at all times including non-working hours, weekends and holidays in conformance with the State Department of Health, Administrative Rules, Title 11, Chapter 60 - Air Pollution Control.
- B. Contractor is responsible for and shall determine the method of dust control. Subject to the Contractor's choice, the use of water or "environmentally friendly chemicals" may be used over surfaces which create airborne dust.
- C. Construct or erect dust control barriers as required to retain dust within the project site area.
- D. Contractor is responsible for all damage claims resulting from failure to control airborne dust during all times that the site is under the Contractor's control.

1.04 NOISE

- A. Keep noise within acceptable levels at all times in conformance with the State Department of Health, Administrative Rules, Title 11, Chapter 46 - Community Noise Control. Contractor shall obtain and pay for the Community Noise Permit from the State Department of Health when the construction equipment or other devices emit noise at levels exceeding the allowable limits.
- B. To reduce loud disruptive noise levels, ensure mufflers and other devices are provided on equipment, internal combustion engines and compressors. Maintain equipment to reduce noise to acceptable levels.
- C. Starting-up of construction equipment meeting allowable noise limits shall not be done prior to 8:00 a.m. without prior approval of the HHSC Representative. Equipment exceeding allowable noise levels shall not be started-up prior to 8:00 a.m.

1.05 EROSION

- A. During interim grading operations, the grade shall be maintained so as to preclude any damage to adjoining property from water and eroding soil.
- B. Install temporary berms, cut-off ditches and other provisions as required construction methods and operations. Should there be a question if the temporary measures are insufficient to prevent erosion, the HHSC Representative shall make the final determination.
- C. Construct and maintain drainage outlets and silting basins as required to minimize erosion and pollution of waterways during construction.

1.06 OTHERS

- A. Wherever trucks and/or vehicles leave the site and enter surrounding paved streets, Contractor shall prevent any material from being carried onto the pavement. Waste water shall not be discharged into existing streams, waterways, or drainage systems such as gutters and catch basins unless treated to comply with the State Department of Health water pollution regulations. The Contractor shall construct a vehicle wash-down area, within the project site, to remove all mud, gravel, etc., before leaving the site.
- B. Trucks hauling debris shall be covered as required by PUC Regulation. Trucks hauling fine materials shall be covered.
- C. No dumping of waste concrete will be permitted at the job-site.
- D. Except for rinsing of the hopper and delivery chute, and for wheel washing where required, concrete trucks shall not be cleaned on the job-site.
- E. Except in an emergency, such as a mechanical breakdown, all vehicle

fueling and maintenance shall be done in a designated area. A temporary berm shall be constructed around the area when runoff can cause a problem.

- F. If allowed in this Contract, spray painting shall be done by the “airless spray” process only. All other types of spray painting shall not be permitted.

1.07 SUSPENSION OF WORK

- A. Violations of any of the above requirements or any other pollution control requirements which may be specified in the Specifications shall be cause for suspension of the work creating such violation.
- B. Reference the General Conditions Construction, dated 3/17/06 for the suspension procedures.
- C. The Architect and/or HHSC Representative may also suspend any operations which creates a pollution problems even if the problem does not violate the provisions of this Section. In this instance, the work is considered a Change and subject to the provisions of the contract.

PART 2 - PRODUCTS (Not used)

PART 3 - EXECUTION (Not used)

END OF SECTION

DIVISION 2 - SITE WORK

SECTION 02055 - SELECTIVE DEMOLITION AND REMOVAL

PART I - GENERAL

- 1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.
- 1.02 SPECIAL REQUIREMENTS:
- A. The Contractor shall visit the site, examine the areas and note all existing conditions and extent of work involved for the complete removal and surface preparation work required.
 - B. The Contractor shall comply with pollution control regulations and safety code. See POLLUTION CONTROL Section 01577 also.
 - C. Lead-based paint was not identified from a previous hazardous material survey conducted for the project. However, lead at concentrations below the EPA guideline was detected for various coatings.
- The Contractor's employees removing or disturbing the painted material also must be informed that it contains lead and must have received training under OSHA 29 CFR 1926.62 Lead and HIOSH 12-148.1 Lead. All painted surfaces should be assumed to contain lead.

PART 2 - PRODUCTS

- 2.01 MATERIALS:
- A. Damaged surfaces or items shall be patched by the Contractor with materials which are equal or better in quality.

PART 3 - EXECUTION

- 3.01 GENERAL
- A. All work shall be executed in an orderly and careful manner with due consideration for the remaining parts of the building.
- 3.02 REMOVAL WORK
- A. Remove selective items as indicated on the drawings and/or specified herein.
 - B. All dismantled materials having no salvage value as determined by the Architect or HHSC Representative shall become the property of the Contractor and shall be completely removed and hauled away from the premises. Contractor shall recycle all materials to be disposed off to the greatest extent possible.

3.03 SURFACE PREPARATION WORK

- A. All surfaces to receive manufactured finishes shall be inspected by the manufacturer's representative as approved for installation of new materials. Should the manufacturer's representative find discrepancies in the preparation work, all such discrepancies shall be corrected at no additional cost to the project.
- B. Contractor shall repair any damages occurring during the progress of the work.

3.04 PATCHWORK: All areas or surfaces damaged as a result of removal work shall be patched to match existing adjacent surfaces and/or areas to the satisfaction of the Architect.

3.05 TEMPORARY BARRICADES

- A. The Contractor shall provide, erect and maintain safety barricades around the project areas during the execution of work under this contract including work done by other sections. At the discretion and approval of the Architect and/or HHSC Representative, alternative means to provide safety around the project area are acceptable.
- B. Barricades shall be constructed from durable materials to provide necessary protection and security of the project area.
- C. The barricades shall remain until final acceptance of the project or until the hazardous condition no longer remains and approval is given by the Architect and/or HHSC Representative for their removal.

3.06 CLEAN-UP

- A. From time to time, as directed by the Architect and/or HHSC Representative, and at the completion of the removal work, remove from the site all rubbish, debris, fines, etc., accumulated from this work and leave the area neat and clean to the satisfaction of the Architect and/or HHSC Representative.
- B. After the completion of the repair work and before the final acceptance of the project, the Contractor shall clean all areas of all rubbish, debris, fines, etc.

END OF SECTION

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07900 – SEALANTS

PART 1 – GENERAL

- 1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.

1.02 GENERAL PROVISIONS

Except as otherwise indicated, sealants shall be provided to establish and maintain airtight, and weatherproof continuous seals on a permanent basis within recognized limitations of wear and aging for each application and type of sealant material. Provide at all joint locations where weather penetration is possible, where a weather-tight installation is required, and where indicated or required to finish the installation of two or more adjoining materials.

1.03 SUBMITTALS

- A. Certificates of Compliance: Submit certificates from the manufacturers attesting that materials meet the specified requirements.
- B. Manufacturers' Descriptive Data: Submit complete descriptive data for each type of material. Clearly mark data to indicate the type the Contractor intends to provide. Data shall state conformance to specified requirements. Data for sealant and caulking shall include application instructions, shelf life, mixing instructions for multicomponent sealants, and recommended cleaning solvents.
- C. Colors: Submit one sample of each color for each sealant and caulking type to verify that products match the adjacent finish colors. Where colors are not indicated, submit not less than 6 different samples of manufacturers' standard colors for selection.

1.04 DELIVERY AND STORAGE

Deliver materials to the job site in the manufacturers' external shipping containers, unopened, with brand names, date of manufacture, color, and material designation clearly marked thereon. Containers of elastomeric sealant shall be labeled as to type, class, grade, and use. Carefully handle and store all materials to prevent inclusion of foreign materials.

1.05 WARRANTY

The Contractor shall execute to the HHSC a 2-year written warranty after the Project Acceptance Date that the installation will be watertight and that any leaks which develop during that period which are not due to improper use or willful damage will be repaired at no cost to the HHSC. The warranty shall provide the following at no cost to the HHSC:

- a. Repair of sealants as necessary to seal leaks which are attributable to faulty materials and/or workmanship.
- b. Repair or replacement of damage to the building and/or its finishes, equipment and/or furniture when occasioned by such leaks.

PART 2 – PRODUCTS

2.01 MATERIALS

Products shall conform to the reference documents listed for each use. Color of sealant and caulking shall match adjacent surface color unless specified otherwise. For ASTM C 920 sealants, use a sealant that has been tested on the type(s) of substrate to which it will be applied.

- A. Interior Sealants: ASTM C 920, Type S or M, Grade NS, Class 12.5, Use NT. For use to seal general building construction joints, windows, doors, etc.
- B. Exterior Sealants: For joints in vertical surfaces, provide ASTM C 290, Type S or M, Grade NS, Class 25, Use NT. For joints in horizontal surfaces, provide ASTM C 920, Type S or M, Grade P, Class 25, Use T. For use to seal general building construction joints, windows, doors, etc.
- C. Floor Joint Sealant: ASTM C 920, Type S or M, Grade P, Class 25, Use T. Color of sealant shall be as selected.
- D. Sanitary Sealant: ASTM C920, Type S, Grade NS, Class 25, Use NT, G and A. For use around plumbing fixtures and areas of high moisture. Single component acetoxy silicone sealant.
- E. Primer for Sealants: Provide non-staining, quick-drying type and consistency recommended by the sealant manufacturer for the particular application.
- F. Bond Breakers: Provide type and consistency recommended by the sealant manufacturer for the particular application.
- G. Backstops: Provide glass fiber roving or neoprene, butyl, polyurethane, or polyethylene foams free from oil or other staining elements as recommended by the sealant manufacturer. Backstop material shall be compatible with the sealant. Do not use oakum and other types of absorptive materials as backstops.
- H. Cleaning Solvents: Provide types recommended by the sealant manufacturer.

PART 3 – EXECUTION

3.01 SURFACE PREPARATION

Surfaces shall be clean, dry to the touch, and free from moisture, grease, oil, wax, lacquer, paint, or other foreign matter that would tend to destroy or impair adhesion. Where adequate grooves have not been provided, clean out grooves to a depth of ½ inch without damage to the adjoining work. No grinding shall be required on metal surfaces.

3.02 SEALANT PREPARATION

Do not modify the sealant by addition of liquids, solvents, or powders. Mix multicomponent elastomeric sealants in accordance with manufacturer's printed instructions.

3.03 APPLICATION

- A. Elastomeric Sealant Installation Standard: Comply with the requirements of ASTM C 962 for the use of joint sealants as applicable to the materials, applications, and conditions required.
- B. Backstops: Install backstops dry and free from tears or holes. Tightly pack the back or bottom of joint cavities with backstop materials to provide a joint of the depth as recommended by the sealant manufacturer.
- C. Primer: Immediately prior to application of the sealant, clean out all loose particles from joints. Where recommended by sealant manufacturer, apply primer to joints in concrete masonry units, wood, and other porous surfaces in accordance with compound manufacturer's instructions. Do not apply primer to exposed finish surfaces.
- D. Bond Breaker: Provide bond breakers to the back or bottom of joint cavities, as recommended by the sealant manufacturer for each type of joint and sealant used to prevent sealant from adhering to these surfaces. Carefully apply the bond breaker to avoid contamination of adjoining surfaces or breaking bond with surfaces other than those covered by the bond breaker.
- E. Sealants: Provide sealant compatible with the material to which it is applied. Do not use a compound that has exceeded its shelf life or has become too gelled to be discharged in a continuous flow from the gun. Apply the compound in accordance with the manufacturer's instructions with a gun having a nozzle that fits the joint width. Force sealant into joints to fill the joints solidly without pockets. Sealants shall be uniformly smooth and free from wrinkles. Upon completion of sealant application, roughen partially filled or unfilled joints, apply sealant, and tool smooth as

specified.

3.04 PROTECTION AND CLEANING

- A. Protection: Protect areas adjacent to joints from compound smears. Masking tape may be used for this purpose if removed 5 to 10 minutes after the joint is filled.
- B. Cleaning: Immediately scrape off fresh compound that has been smeared on masonry and rub clean with a solvent as recommended by the compound manufacturer. Upon completion of compound application, remove all remaining smears and stains resulting therefrom and leave the work in a clean and neat condition.

END OF SECTION

DIVISION 8 – DOORS AND WINDOWS

SECTION 08400 - ALUMINUM DOORS AND FRAMES

PART 1 - GENERAL

- 1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.
- 1.02 SUBMITTAL
- A. Submit in accordance with Section 01300 – Submittal.
 - B. Submit eight (8) sets of shop drawings and manufacturers descriptive literature for review and approval by the Architect.
 - C. Submit three (3) material samples of aluminum extrusion and anodized color for approval by the Architect.

PART 2 - PRODUCTS

2.01 MATERIAL

- A. Product shall be as manufactured by Arcadia or pre-approved equal. The product specified below is manufactured by Arcadia, unless noted otherwise, to establish the minimal material, quality and performance requirements.
- B. Aluminum storefront windows shall be Model AFG-451.
- C. Aluminum entrance doors shall be Model MS362HD swing doors.
- D. Finish shall be dark bronze anodized aluminum.
- E. Hardware for the entrance door shall be as follows:
 - 1. Continuous Hinges, dark bronze finish.
 - 2. Exit Device: AHT-8000 CVR exit device with allen wrench dogging feature. Provide exterior cylinder door preparation. Cylinder shall be keyed to the facility's keying system. Coordinate with the facility.
 - 3. Push/Pull Handle: "Ultraline", 1" dia. solid wire push bar with 10" CTC offset pull with concealed screw studs. US32D satin stainless steel finish.
 - 4. Door Closer: Surface-mounted closer, LCN 4041-XP-18PA with dark duranodic bronze finish.

5. Threshold: 1/4" x 4-1/2", No. 40 dark bronze anodized aluminum finish threshold.
 6. Dead bolt lock: Mortise cylinder keyed on both sides. Key to Hospital Master keying system. Finish dark bronze.
 7. Hardware shall conform to the disability requirements of the Americans with Disabilities Act Accessibility Guidelines (ADAAG), including but not limited to Sections 4.13.9, 4.13.10 and 4.27.4.
- F. Door glazing shall be Solarban 70XL solar control low-E tempered safety glazing, each face of dual glazing. 1/4" tempered safety Solar ban 70 on Cllr + 1/2" AS + 1/4" tempered safety Cllr.
- G. Window glazing adjacent to door, and within 42" of finished floor shall be same as door glazing. Transoms and other glazing can be standard non-tempered safety glazing.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Field verify all dimensions prior to ordering and fabrication.
- B. Install doors, storefront windows and frames per manufacturers instructions and recommendations. Seal all perimeters weather-tight.
- C. Existing door(s) with automatic door operators shall have operators carefully removed, salvaged, cleaned and reinstalled onto new doors.
- D. Protect doors and frames from damage until final acceptance from the HHSC. Damaged doors and frames will be replaced at no additional cost to the HHSC.

- 3.02 CLEAN-UP: Remove all debris from the area and leave area and doors in clean condition.

END OF SECTION

SECTION 08520 - ALUMINUM WINDOWS

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.

1.02 QUALITY ASSURANCE

- A. Qualifications of manufacturers: Use products produced by manufacturers regularly engaged in manufacture of aluminum projected windows of this type for a minimum of 5 years.
- B. Qualification of workmen thoroughly trained and experienced in the necessary crafts and methods needed for proper performance of the work of this Section.
- C. Performance:
 - 1. AAMA Certified: AAMA/NWWDA, 101/I.S.2-08, "C" Commercial.
 - 2. AAMA/WDMA 101/I.S.2/A440-08; ASTM E 283, Air .10 cfm/sf.; ASTM E 331.ASTM 547, Water 12.0 psf.

1.03 SUBMITTALS

- A. Shop Drawings: Submit shop drawings for the Architect's review and do not fabricate prior to acceptance. Include calculations and certification on shop drawings stating that assemblies conform to local code requirements including wind loads and are designed to withstand all anticipated thermal expansion and contraction movements.
- B. Tests: Test reports by independent testing laboratory verifying specified performance.
- C. Samples: Submit samples of finishes including hardware to the Architect for acceptance.

1.04 PRODUCT HANDLING

- A. Protection: Protect the materials of this section before, during and after installation. Protect the installed work and materials of all other trades.
- B. Replacement: In the event of damage, immediately make all repairs and replacements necessary.

1.05 WARRANTY

- A. Contractor shall warrant the installation to be installed securely per manufacturer's instructions and recommendations and shall remain weather-tight for a period of 2-years from the date of project acceptance.

- B. Manufacturer's Warranty: Manufacturer agrees to repair or replace aluminum windows that fail in materials or workmanship within the specified warranty period.
1. Failures include, but are not limited to the following:
 - a. Failure to meet performance requirements.
 - b. Structural failures include excessive deflection, water leakage, condensation, and air infiltration.
 - c. Faulty operation of movable sash.
 - d. Deterioration of materials and finishes beyond normal weathering.
 - e. Failure of insulating glass.
 2. Warranty Period:
 - a. Window: 10-years from date of project acceptance.
 - b. Glazing Units: 10-years from date of project acceptance.
 - c. Aluminum Finish: 10-years from date of project acceptance.
 - d. The surety shall not be held liable beyond 2-years from the date of project acceptance.

PART 2- PRODUCTS

2.01 MATERIALS

- A. The products specified below are manufactured by Arcadia to establish the minimal material, quality and performance requirements. The products of the other manufacturers are acceptable provided they meet or exceed the requirements of the specified product.
- B. Fixed/Casement Windows: Projecting windows shall be Series T200, dual glazed, combination fixed/outward projecting, w/ screens.
- C. Screens: Furnish windows manufacturer's standard aluminum roll-formed screen frame and glass fiber screen cloth. Frame color shall match window.
- D. Finish: All windows shall be dark bronze anodized finish.
- E. Glazing:
1. Glazing shall be Solarban 70XL solar control low-E tempered safety glazing, each face of dual glazing. 1/4" tempered safety Solar ban 70 on Cllr + 1/2" AS + 1/4" tempered safety Cllr.

2. Fixed spandrel transom or panels, where indicated, shall be 1" aluminum clad panels over high density tempered hardboard with Kynar finish. Color shall be selected by the Architect from manufacturer's full line of standard color selections.

PART 3 - EXECUTION

3.01 SURFACE CONDITION

- A. Examine the substrate and conditions under which work of this section will be performed. Correct conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Install windows as indicated on the drawings, square, plumb, and in true alignment. Surfaces shall be free from dents, buckles, dimples, or other defects.
- B. Anchor frames and other items securely to continuous construction to result in a rigid installation and in accord with required safety factors. Where anchorage involves other work, provide setting drawings for proper installation.
- C. Install hardware and adjust for proper operation. Seal metal to metal joints to prevent the entrance of water except at joints where frame members are designed to drain water to the exterior.
- D. At juncture between frames and adjacent materials, seal entire perimeter on both sides. Use sealant and backing material as specified in Section 07900 SEALANTS.
- E. Protection of Contact Surfaces: Protect dissimilar metals or with compatible materials such as concrete and other cementitious materials by painting contact surface with bituminous paint before installation or isolate with non-absorptive tape or gasket.
- F. Expansion and Contraction: Install aluminum work so as to avoid objectionable distortion or overstress of parts and fastenings resulting from thermal expansion and contraction.
- G. Glazing: Determine glass size and edge clearances by measuring actual openings. Set glass on glazing blocks to equally support full glass height and prevent any give or fracture.

3.03 PROTECTION

- A. After erection adequately protect by masking with light motor oil, Vaseline or other accepted covering on all exposed parts of the work and finish, protecting against damage from grinding and polishing machines and/or plaster, lime, cement, acid or other harmful substances.

3.04 CLEANING

- A. After completion of all other work in the vicinity of the aluminum window frames, remove all masking, oil, Vaseline and other covering used to protect the work and thoroughly clean the aluminum surfaces with soap and plain water or a petroleum product such as white gasoline, kerosene or distillant. Do not use abrasive cleaning agents.

END OF SECTION

DIVISION 9 – FINISHES

SECTION 09250 - GYPSUM WALLBOARD

PART 1 – GENERAL

- 1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.
- 1.02 SUMMARY
- A. Complete all gypsum wallboard installation work as indicated on the drawings and as specified herein. Work shall include, but not be limited to, the following:
 - 1. Gypsum wallboard on metal framing.
 - 2. Wallboard accessories.
- 1.03 QUALITY ASSURANCE
- A. Industry Standard: Comply with applicable requirements of GA-216 "Application and Finishing of Gypsum Board" by the Gypsum Association, except where more detailed or more stringent requirements are indicated including the recommendation of the manufacturer.
 - B. Submittal: Furnish erection and installation specifications, conforming to Industry Standards for Architect's review.
- 1.04 PRODUCT HANDLING
- Deliver gypsum wallboard materials in sealed containers and bundles, fully identified with manufacturer's name, brand, type and grade; store in a dry well ventilated space, protected from the weather, under cover and off the ground.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. Gypsum Wallboard: Shall be 5/8", type "X", fire resistive board with recessed edges, complying with the "Standard Specifications for Gypsum Wallboard" ASTM Designation C35 latest edition.
- B. Wallboard Fasteners: Gypsum wallboard shall be secured to wood and/or metal framing and furring with industry standard zinc coated bugle head self-drilling, self-tapping Type W or S drywall screws, or appropriate fastener as the situation may require.
- C. Reinforced Tape and Cement: Materials for treating joints and nail heads shall be as manufactured or recommended by the manufacturer of the wallboard used.
- D. Wallboard Accessories:

1. Metal Corner Reinforcement: All-metal heavy-gauge, 1" x 1", approximate weight 114 lbs./MLF
 2. Metal Trim: U-shaped all-metal channel in 1/2" and 5/8" sizes, as required; approximate weight 108 lbs./MLF.
 3. All accessories shall be hot-dipped galvanized.
 4. In lieu of metal accessories, rigid vinyl accessories are acceptable.
- E. Joint Treatment Materials: ASTM C 475; type recommended by manufacturer for the application indicated, except as otherwise noted.
1. Perforated tape, and joint and topping compound, or "all-purpose" compound.
- F. Metal Studs and Runners: Metal studs and runners shall be 20 or 25 gauge, hot-dipped galvanized steel, conforming to ASTM A525. Gauge of stud shall be governed by height of partitions and manufacturer's design criteria. Size of studs are as indicated on the drawings or as recommended by industry standards for application.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. General: Comply with ANSI A42.4 as applicable to the type of substrate and drywall support system indicated; and comply with the Gypsum Association GA-203 for installation of furring members.
- B. Gypsum Wallboard General:
1. Locate exposed end-butt joints as far from center of walls and ceilings as possible, and stagger not less than 1'-0" in alternate courses of board.
 2. Install wall/partition boards vertically to avoid end-butt joints wherever possible.
 3. Install exposed gypsum board with face side out. Do not install imperfect, damaged or damp boards. Butt boards together for a light contact at edges and ends with not more than 1/16" open space between boards. Do not force into place.
 4. Locate either edge or end joints over supports, except in horizontal applications or where intermediate supports or gypsum board back-blocking is provided behind end joints. Position boards so that both tapered edge joints abut, and mill-cut or field-cut end joints abut. Do not place tapered edges against cut edges or ends. Stagger vertical joints over different studs on opposite sides of partitions.
 5. Attach gypsum board to framing and blocking as required for additional support at openings and cutouts.

6. Space fasteners in gypsum boards in accordance with referenced standards and manufacturer's recommendations, except as otherwise indicated.
- C. Methods of Gypsum Wallboard Application:
1. Single-Layer Application: On partitions/walls apply gypsum board vertically (parallel), unless otherwise indicated, and provide sheet lengths which will minimize end joints.
 2. Single-Layer Fastening Method: Apply gypsum boards to supports as follows:
 - a. Fasten with screws, spaced not to exceed 6" centers.
- C. Installation of Trim Accessories:
1. General: Where feasible, use the same fasteners to anchor trim accessory flanges as required to fasten gypsum board to the supports. Otherwise, fasten flanges by nailing or stapling in accordance with manufacturer's instructions and recommendations.
 2. Install metal corner beads at external corners of drywall work.
 3. Install metal edge trim whenever edge of gypsum board would otherwise be exposed or semi-exposed, and except where plastic trim is indicated. Provide type with face flange to receive joint compound except where semi-finishing type is indicated. Install L-type trim where work is tightly abutted to other work, and install special kerf-type where other work is kerfed to receive long leg of L-type trim. Install U-type trim where edge is exposed, revealed, gasketed, or sealant-filled (including expansion joints).
 4. Install J-type semi-finishing trim where indicated.
- D. Installation of Drywall Finishing:
1. General: Apply treatment at gypsum board joints (both directions), flanges of trim accessories, penetrations, fastener heads, surface defects and elsewhere as required to prepare work for decoration. Prefill open joints and rounded or beveled edges, using type of compound recommended by manufacturer.
 - a. Apply joint tape at joints between gypsum boards, except where a trim accessory is indicated.
 - b. Apply joint compound in 3 coats (not including prefill of openings in base), and sand between last 2 coats and after last coat.
 - c. Provide type 5 gypsum finish per Gypsum Association finishes.

3.02 CLEANING AND REPAIRING

After installation and before painting, correct surface damage and defects. Leave surface clean and smooth, satisfactory to the painter. No painting shall be done over gypsum board work until the joints are thoroughly dry. Joints and fastenings are to be invisible after painting.

END OF SECTION

SECTION 09901 - PAINTING

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all surface preparation and painting work as specified herein.

1.02 GENERAL PROVISIONS

- A. Airless Spraying: Airless spray painting shall not be permitted on this project. All application shall be by brush or roller.
- B. Application: The Contractor shall strictly conform with all Manufacturer's written instructions and recommendations for all material application.
- C. Right of Rejection: The HHSC Representative shall have the right to reject all work which is not in compliance with the plans and specifications. Rejected work shall be redone at no cost to the Hospital.
- D. All materials shall have low or no volatile organic compounds (VOC). The HHSC Representative reserves the right to stop all and any application work and the use of materials emitting offensive odors.

1.03 SUBMITTALS

Submit in accordance with SECTION 01300 – SUBMITTALS.

A. Schedule of Finishes

- 1. 4 sets of proposed painting finish schedule shall be submitted to the Engineer for approval. The schedule shall indicate the wet film thickness (mils) at which the proposed paints/coatings will be applied that are necessary to achieve the final dry film thickness indicated on the Schedule of Finishes under Section 2.02.

B. Color Samples: It is the intent for all painting required in the section to match the existing adjoining painted surfaces as close as possible in color and finish. Therefore, samples shall not be required.

D. Guaranty: 3 copies of a written guarantee shall be submitted to the HHSC Representative.

1.04 GUARANTY

- A. The Contractor shall guarantee that the work performed under this section conforms to the contract requirements and is free of any defect of material or workmanship performed by the Contractor. Such guarantee shall continue for a period of 2 years from the date of project acceptance

during which period the Contractor shall remedy at his own expense any such failure to conform or any such defect.

- B. The HHSC Representative shall notify the Contractor in writing within a reasonable time after discovery of any failure or defect.
- C. Should the Contractor fail to remedy any failure or defect described in Paragraph A above within 10 working days after receipt of notice thereof, the HHSC Representative shall have the right to repair or otherwise remedy such failure or damage at the Contractor's expense.

1.05 SPECIAL REQUIREMENTS

A. Codes

- 1. The Contractor shall comply with the State OSHL (Occupational Safety and Health Law) and all pollution control regulations of the State Department of Health.

B. Protection

1. Persons

- a. The Contractor shall take all necessary precautions to protect occupants, staff and public from injury.
- b. The Contractor shall provide, erect and maintain safety barricades around scaffolds, hoists and wherever Contractor's operations create hazardous conditions in order to properly protect the students, faculty, staff and public.

- 2. Completed Work: The Contractor shall provide all necessary protection for wet paint surfaces.

- 3. Protective Covering: The Contractor shall provide and install protective covering over furniture, equipment, floor and other areas that are not scheduled for treatment. Protective covering shall be clean sanitary drop cloth or plastic sheets. Paint applied to surfaces not scheduled for treatment shall be completely removed and surfaces shall be returned to original condition.

- 4. Safeguarding of Property: The Contractor shall take whatever steps may be necessary to safeguard his work and also the property of the Maluhia Hospital and other individuals in the vicinity of his work area during the execution of this Contract. He shall be responsible for and make good on any and all damages and for losses to work or property caused by his or his employee's negligence.

Should surface preparation work include power-washing of the existing surface, the Contractor shall take all necessary precautions to control water run-off. Failure to take this precaution shall be grounds to stop the work of the project until a satisfactory solution is provided. Costs for this action shall be borne by the Contractor.

5. Fire Safety: The Contractor shall direct his employees not to smoke in the vicinity and exercise precautions against fire at all times. Waste rags, plastic (polyester sheets), empty cans, etc. shall be removed from the site at the end of each day.
- C. Storage Area for Materials: No paint material, empty cans and paint brushes and rollers may be stored in buildings, but shall be stored in separate storage facilities away from the buildings. The Contractor may furnish a job site storage facility. Such facility shall comply with requirements of the local Fire Department. The storage area shall be kept clean and facility shall be locked when not in use or when no visual supervision is possible.
- D. Sequence of Operations: The sequence of operations shall divide the surfaces into work areas and present a schedule for:
 1. Surface preparation and spot prime.
 2. Prime coat.
 3. First finish coat.
 4. Second finish coat.
- E. Protection, Removal, Trimming of Landscaping: The Contractor shall coordinate with the University on the location of scaffolding, platforms, etc., within the landscaping surrounding the buildings. The Contractor shall be responsible for all trimming and removal or relocation of landscaping as necessary. The Contractor shall be responsible for protection of all landscaping to remain.

1.06 AREAS TO BE PAINTED

- A. Surfaces to be Painted
 1. Interior:
 - a. All new exposed fabrications not prefinished, new mechanical piping, new electrical conduits, and touch-up of existing surfaces for the work of this project.

2. All questions regarding the extent of work shall be addressed to the HHSC Representative for clarification. The Contractor's bid shall assume, that unless noted otherwise, all questionable surfaces shall be assumed to be painted unless directed by the HHSC Representative otherwise.

B. Work Incidental to Painting

1. Other items as noted in the drawings or herein specified.

PART 2 - PRODUCTS

2.01 MATERIALS

The Contractor shall be responsible for furnishing to the University quantities of each paint material required. The paint materials will generally meet the following requirements.

- A. Asbestos Prohibition: No asbestos containing materials or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos-free.
- B. Lead Prohibition: All paints shall be lead-free.
- C. Mercury Prohibition: All paint shall be mercury- free.
- D. Chromate Prohibition: All paint shall be free of zinc-chromate and/or strontium-chromate.
- E. Cadmium Prohibition: All paint shall be cadmium free.
- F. All materials shall be low or no VOC and shall not produce offensive odors unless otherwise specified. Should offensive odors be produced, the contractor shall immediately stop and cease to use such product until an acceptable ventilation system can be provided by the contractor to remove such offensive odors. Provide ventilation in conformance with manufacturer's recommendations. If a ventilation system is required, the cost of such measures shall be borne by the contractor.
- G. Paints shall be as manufactured by Benjamin Moore, Glidden Professional, Sherwin Williams, Pittsburg Paint or pre-approved equal.
- H. Thinning of paint shall be done using material recommended by the manufacturer. Mix proprietary products according to manufacturer's printed specifications. Compound thinner, mineral oil, kerosene, refined linseed oil, or gasoline shall not be used for thinning.

- I. Except for metal primers all paint shall contain the maximum amount of mildewcide per gallon of paint permitted by the mildewcide manufacturer without adversely affecting the quality of the paint.

2.02 SCHEDULE OF FINISHES

- A. The Schedule of Finishes is made for the convenience of the Contractor and indicates the types and quality of finishes to be applied to the surfaces.
- B. Any existing painted surface not specifically noted in the finish schedule shall be finished to match adjoining work.
- C. Additional paint materials not included in the Schedule of Finishes, however, required for the conditions of the site, shall be provided by the Contractor for a complete paint/repaint project.

SCHEDULE OF FINISHES

Interior System: (Products listed below are manufactured by Glidden Professional unless noted otherwise).

- A. Gypsum Wallboard:
 1. Latex Finish: Two finish coats of a primer.
 - a. Primer: Interior Primer/Sealer MPI #50.
 - b. Finish Coats: Interior acrylic enamel MPI #54.
 - c. Finish Coat Gloss Level: semi-gloss.

PART 3 - EXECUTION

3.01 WORKMANSHIP

- A. Apply all materials in strict accordance with the manufacturer's printed instructions with paint evenly spread and well applied with no drops, runs, or sags. Do not apply paint on wet or damp surfaces nor until preceding coat of paint is thoroughly dry, and in the case of woodwork, well sanded. Particular attention shall be made to sanding between finish coats. All finishes are intended to thoroughly cover in the number of coats listed, using the quality of paint specified. If paints are thinned, apply sufficient additional coats as required to provide full and complete coverage, with no shadows, spots, streaks, voids, color bleed-through, or other defects.
- B. Identification of coatings: Each coat shall be tinted a slightly different shade from the preceding coat so that it can be readily identified. Finish coat shall match approved sample for each portion of work.

- C. All surfaces adjacent to areas being finished shall be protected and left clean of paints, stains, etc. Clean drop cloths shall be used until completion of job.
- D. All mixing shall be done outside the building.
- E. All waste materials shall not be left in or near the building but shall be stored in proper metal containers.
- F. Take all necessary precautions to prevent or minimize dust from surface preparation work from becoming airborne and spreading beyond the immediate work area. If directed by Maluhia Hospital's representative, provide a dust barricade around the work area at no additional cost to Maluhia Hospital.

3.02 PREPARATION OF SURFACES

- A. The painting contractor shall be wholly responsible for the finish of his work and shall not commence any part of it until surfaces are in proper condition. If painting contractor considers any surfaces unsuitable for proper finish of his work, he shall notify the General Contractor of this fact and he shall not apply any material until the unsuitable surfaces have been made satisfactory. Major defects shall be restored by the proper trades. In general, follow paint manufacturer's directions for surface preparation for the paint to be applied.
- B. All surfaces:
 - 1. All surfaces shall be free of all contaminants, including oils, greases dirt, grime, loose paint, chalk, imbedded contaminants, rust, mildew and/or any surface contaminants that will impede the proper adhesion and appearance of the finishes to be applied.
 - 2. Remove surface "chalk" by a soap and water scrubbing. Rinse thoroughly.
 - 3. Existing surfaces, where touch-up is required, to which new paint is to be applied shall be tightly bonded to the subsurface.
 - 4. Remove all mildew by scrubbing with a commercial mildew wash formulated for this purpose such as Jomax or pre-approved equal. Apply per manufacturer's written instructions and adhere to all cautions. Allow 15 – 20 minutes dwell time before rinsing. If necessary, scrub surfaces to remove mildew and dirt. Work from the top to bottom. Thoroughly rinse with clean, fresh water and allow surfaces to dry thoroughly before proceeding. Repeat above process if necessary to insure removal of all milder contamination.

- C. Scuff-sand glossy surfaces scheduled for painting to insure proper adhesion.
- D. Unprimed galvanized metal shall be washed with a solution of chemical phosphoric metal etch and allowed to dry.
- E. All metal surfaces shall be made clean and free of any defects or condition that may produce unsatisfactory finish.

3.03 PAINT APPLICATION

- A. General : All materials shall be applied in accordance with the manufacturer's specifications and the finished surfaces shall be free from runs, sags, drops, ridges, waves, laps, streaks, brush marks and variations in color, texture and finish (glossy or dull). The coverage shall be complete and each coat shall be so applied as to produce a film of uniform thickness. No paint materials shall be applied until the preceding coat is thoroughly dry and approved.
- B. Application: Application shall be by brush or roller only. Paint coating shall be dressed down in one direction.
- C. Colors: Each coat shall be tinted a different shade from the preceding coat. Colors shall generally match the existing building colors or as selected by the HHSC Representative.

3.05 PROTECTION OF PROPERTY

The Contractor shall be responsible for condition of work area in his charge. He shall protect adjacent work and materials from soiling or damage as well as his own. The storage and handling of paints and thinners shall be in accordance with the safety provisions and codes covering such handling and storage.

3.06 INSPECTION

All areas shall be provided for inspection of the work by the Engineer at any time. Any work not conforming to these specifications shall be cleaned off, and repainted at the expense of the Contractor.

3.07 MISCELLANEOUS

- A. Clean-up
 - 1. During the progress of the work, all debris, empty crates, waste, drippings, etc. shall be removed by the Contractor and the grounds about the areas to be painted shall be left clean and orderly at the end of each work day.

2. Upon completion of the work, staging, scaffolding, containers and all other debris shall be removed from the site. All paint, shellac, oil, or stains splashed or spilled upon adjacent surfaces not requiring treatment (hardware, fixture, floor, glass) shall be removed and the entire job left clean and acceptable.

END OF SECTION

DIVISION 16 - ELECTRICAL

SECTION 16010 - GENERAL ELECTRICAL PROVISIONS

PART 1 - GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Instructions to Bidders, the General Conditions of Construction Contracts, and Special Provisions preceding these specifications shall govern this section of the work.
- 1.02 INTENT OF SPECIFICATIONS AND DRAWINGS:
- A. Abbreviated Form: Specifications and Drawings are prepared in abbreviated form and includes incomplete sentences. Omission of words or phrases such as "the Contractor shall", "as shown on the drawings", "a" and "the" are intentional. Omitted words and phrases shall be provided by inference to form complete sentences.
 - B. Specifications and Drawings: Specifications and drawings complement each other and what is specified, scheduled or mentioned by one shall be binding as if called for by both.
- 1.03 DEFINITIONS:
- A. Provide: "furnish and install, test and deliver to the Hospital in operating and ready to use condition".
 - B. Wiring: "Provide all raceways, junction boxes, conductors, devices, protection equipment, installation of motor controller furnished (by others) when required, etc., including testing for a complete, operative and ready to use electrical system".
 - C. Equal: "Material, equipment or system, including all necessary labor, modifications and accessories satisfying the requirements of the contract documents to provide features or have operating characteristics equal or better than that specified".
 - D. Complete: "Furnish installation that is operative, tested, ready to use and which satisfies the intent of the contract documents, including all necessary accessories and modifications".
 - E. Contractor: "General Contractor responsible for all work shall assign work to Subcontractors. Except where noted, work of this section shall be assigned to the Electrical Subcontractor".
- 1.04 SUMMARY:
- A. Electrical Work: Provide all articles, materials and services specified herein or on the Drawings or as normally required by accepted industry standard practices, including all labor taxes, fees, insurance, warranties and incidentals required to complete all electrical work.

- B. In general, the following work is included:
1. Complete disconnecting, removal, and disposal of existing, ceiling mounted receptacles in indicated patient rooms.
 2. Complete new ceiling mounted receptacles in indicated patient rooms, including outlet boxes and wiring.
 3. Testing.
 4. As-built drawings.
- C. Wiring and connecting of all electrical equipment supplied for installation and use in this contract and not specifically listed as work by others.
- D. Furnishing of "Contractor Submittals" and "As Built" Drawings.
- E. Coordinate electrical work with Hospital Facilities Management.
- F. Coordinate work with other trades to avoid omissions and overlapping of responsibilities.
- G. Obtain and pay for all fees, permits, licenses, assessments and inspections required for this work.

1.05 RELATED WORK SPECIFIED IN OTHER SECTIONS:

- A. Materials and methods specified under SECTION 16400 - ELECTRICAL WORK.

1.06 QUALITY ASSURANCE:

- A. Government and Utility Requirements: Comply with all requirements of the State of Hawaii and City & County of Honolulu.
- B. Accompanying Plans: Specifications are accompanied by architectural plans of the building, site plans and diagrammatic electrical plans showing locations of outlets, feeder runs, devices and other electrical equipment. Locations are approximate and before installation, Contractor shall study adjacent construction details and make installation in the most logical manner. Prior to installation and at the direction of the Architect and/or HHSC Representative, relocate any device within 10'-0 of the location presently shown without added cost to the Hospital.
- C. Prior to the Start of Rough-in Work: Verify all dimensions and sizes of equipment at the job site. Circuits and raceway routes are diagrammatic and may be altered in any logical manner. However, all changes from the contract documents shall be subject to review and acceptance of the Architect and/or HHSC Representative and indicated on the "As Built" Drawings.

- D. Materials and Equipment: Materials and equipment shall conform to requirements of applicable technical sections, publications specified therein and shall be as shown on the drawings. Materials and equipment shall be new and shall be the product of the manufacturers regularly engaged in the manufacture of such products. All items shall essentially duplicate materials and equipment that have been in satisfactory use at least two years prior to bid opening and shall be supported by service organization that is reasonably convenient to the site of installation.
- E. Asbestos Prohibition: No asbestos containing materials or equipment shall be used under this section. The contractor shall insure that all materials and equipment incorporated in the project are asbestos-free.
- F. List of Materials and Equipment: Refer to "Submittals" paragraph for required documentation lists. These lists shall include manufacturer's names and material or equipment identification such as styles, types, or catalog numbers to permit ready and complete identification. Catalog cuts or brochures shall be included for electrical apparatus.
1. Where items are specified by manufacturer's name or catalog number, substitutions require written permission by the HHSC Representative prior to bidding. Brand names, manufacturer's names and catalog numbers indicate standard of design and quality required. List of substitute materials together with qualifying data shall be submitted for review per Submittal requirements of these specifications.
 2. Items requiring shop drawings shall be included in the list of materials and equipment, identified by manufacturer's name and type, and accompanied by complete descriptive data, electrical and physical characteristics of the equipment and manufacturer's bulletins.
 3. Burden of proof of equality of proposed substitutions will be the responsibility of the Contractor. Submittals shall be sufficiently detailed to permit evaluation of the proposed items. Inadequacy of submittal will be sufficient cause to reject a proposed substitution.

1.07 DEPARTURES:

- A. Departures resulting from substitution of materials or system shall be accompanied by appropriate changes in all affected work of every trade. Such changes shall be at no increase in the contract amount and shall be the responsibility of the Subcontractor or supplier responsible for the departures. Changes proposed by the Contractor shall be based on a system approach and shall be allowed if implemented without decrease in quality in performance or operations, increase in utility costs, or adverse affect on the available physical space to install the equipment. Such departures shall be submitted and noted in shop drawings for review and acceptance by the Architect and/or HHSC Representative. Departures

initiated by other trades, requiring changes in the electrical system as well as other systems, shall be accompanied by appropriate changes to all affected work of every trade, at no increase in contract amount, by the trade responsible for the departure.

- B. Responsibilities: The General Contractor shall be responsible to coordinate, approve, and select systems that do not impose unaccounted for impact on the electrical work. It shall be understood that after the award of the contract, all departures having electrical impact, unless otherwise noted, have been reviewed and approved by the General Contractor. Therefore all appropriate changes to the electrical system required to accommodate the departures shall be at no additional cost to the Hospital.

1.08 SUBMITTALS:

- A. Submit in accordance with SECTION 01330 - SUBMITTAL PROCEDURES.
- B. Shop Drawings: Submit drawings for equipment not completely identifiable by information contained in the list of materials and equipment.
- C. Certificate of Compliance: Where required by section specifying the equipment, the Contractor shall submit six copies of certificates of compliance in accordance with the requirements of the General Provisions. The certificates shall include but not be limited to factory test reports.
- D. Acceptance Requirements: Acceptance for material and equipment will be based on manufacturer's published data. Where materials or equipment are specified to be constructed and tested, or both, in accordance with the standards of the National Electrical Manufacturers Association (NEMA) or the American National Standard Institute (ANSI) the Contractor shall submit proof that the items furnished under this section of the specifications conform to such requirements. A certification or published catalog specification data statement to the effect that the time is in accordance with the referenced NEMA standard by a company listed as a member company of NEMA for the section whose standards cover the item under construction, will be acceptable as sufficient evidence that the item conforms to the requirements of the National Electrical Manufacturers Association. A manufacturer's statement indicating complete compliance of each item with the applicable NEMA, ANSI or other commercial standard specified shall be submitted and will be acceptable proof of compliance. Conformance with the agency requirements does not relieve the item from complying with any other requirements of the specifications.
- E. Equipment Guarantees: Installation shall be complete in every detail and ready for use. Any item supplied by the Contractor developing defects within one (1) year after final acceptance by the Architect and/or HHSC Representative shall be replaced by materials, apparatus or parts including installation labor to make such defective portion of complete system conform to the true intent and meaning of the drawings and specifications, without additional cost to the Hospital. The Contractor shall guarantee all equipment

specified from the date such equipment is accepted by the Architect and/or HHSC Representative, against defects in materials, design, performance and workmanship. Guarantees shall be supported by manufacturer's written warranties and shall be signed by an official of the manufacturer's organization. Replacement parts shall be delivered or repairs shall be made promptly upon receipt of notice of failure under normal and proper use and maintenance. All costs of replacement and repair shall be borne by the Contractor provided that a report substantiating such defect or failure to conform to specifications is promptly given to the Contractor.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. All materials shall be new, except as specifically noted, and shall bear the label of Underwriters' Laboratories, Inc., wherever standards have been established and label service is normally and regularly furnished by the agency.

PART 3 - EXECUTION

3.01 MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR:

- A. The electrical installation shall be complete and operable and shall conform to the requirements of contract drawings. The Contractor shall provide all electrical equipment and materials, wiring, supports, and such additional parts as are necessary to make the installation complete. All Contractor furnished materials and equipment are subject to review and acceptance by the Architect and/or HHSC Representative.

3.02 PROTECTION DURING STORAGE:

- A. All materials and equipment shall be stored in a safe manner; weather and fire protection shall be maintained and all materials shall be stored above the ground or floor level to avoid damage by moisture.

3.03 PROTECTION OF WORK IN PROGRESS:

- A. All electrical materials and equipment shall be completely protected during installation. Equipment shall be securely protected against physical or chemical damage. In areas exposed to weather, materials unused at the end of each day's work shall be stored in weather-protected locations. Damage to materials or equipment due to Contractor's neglect shall be repaired or replaced by and at the expense of the Contractor.

3.04 PROGRESS OF WORK AND COORDINATION:

- A. The Contractor shall prepare a schedule giving sequence of electrical work. The electrical work shall be coordinated with the work of other Contractors and other trades. The schedule shall be submitted prior to

beginning installation and shall be subject to review and acceptance by the Architect and/or HHSC Representative.

3.05 RULES:

- A. The entire electrical installation shall conform to the applicable rules and regulations and requirements of the National Electrical Code and other City and County standards and publications specified in the technical sections.

3.06 COORDINATION:

- A. The contract drawings indicate the extent and general location and arrangement of equipment, conduit and wiring. Electrical equipment shall be located so as to avoid interference with architectural, mechanical or structural features. Any device or equipment may be relocated within 10'-0" of the location shown on the drawings before installation is initiated and without increase in contract amount.

3.07 WORKMANSHIP:

- A. All materials and equipment shall be installed in accordance with printed recommendations of the manufacturer, and shall conform to the requirements of the contract drawings.

3.08 TESTS:

- A. Field Tests: After the installation is completed, and at such time the Architect and/or HHSC Representative may direct, the Contractor shall conduct field tests for acceptance by the Architect and/or HHSC Representative. When the tests are specified to be performed under supervision of the equipment manufacturer, the Contractor shall cooperate with the Architect and/or HHSC Representative during tests and shall place at his disposal all assistance, materials and services required to perform such tests. The tests shall be performed in the presence of the Architect and/or HHSC Representative. The Contractor shall furnish all necessary electric power instruments and personnel required for the tests.

END OF SECTION

SECTION 16400 - ELECTRICAL WORK

PART 1 - GENERAL

1.01 SUMMARY

- A. Furnish all labor and materials required to complete all electrical work indicated on the drawings and/or as specified.
- B. In general, the following work is included:

The work shall include complete temporary disconnecting, removal, and reconnection of existing equipment and wiring and installation of new equipment and wiring. At the completion of the work and making any minor connection changes or adjustments necessary for the proper functioning of the system and equipment. All systems shall be properly adjusted and in working order at the time of final acceptance.
- C. The term "wiring" shall include raceway, conductors, equipment, and wiring.
- D. The term "provide" shall mean "furnish and install".
- E. Test complete installation and correct all defects and malfunctions of material and workmanship at no additional charge to HHSC.

1.02 RULES AND PERMITS

- A. The entire installation to be made in strict accordance with applicable provisions of 2017 edition of the National Electrical Code, Local Ordinances, and rules and regulations of the City and County of Honolulu and State of Hawaii.
- B. Contractor shall obtain and pay for electrical permit as required by local rules and regulations. He shall arrange for periodic inspection by local authorities as work progresses so that certificates of completion and inspection may be turned over to the Architect or HHSC Representative as stipulated in GENERAL CONDITIONS.

1.03 GUARANTEE

- A. All work and material executed under this Section shall be guaranteed to be free from defects of materials and workmanship for one (1) year from date of final acceptance of a project as a whole. All work of repair and replacement required, including other work damaged by this work's defects shall be performed without cost to HHSC.

1.04 DRAWINGS

- A. Specifications are accompanied by drawings of facility and diagrammatic electrical plans showing locations of outlets, junction boxes, lighting

fixtures, wiring devices, raceways and other electrical equipment. Locations are approximate. Before installing, study adjacent construction details and make installation in most logical manner. Any device or equipment may be relocated within 10'-0" before installation at direction of the Architect or HHSC Representative without additional charge to HHSC.

- B. Before installing, verify all dimensions and sizes of equipment at jobsite. Circuit and conduit routing is typical and may be altered in any logical manner; however, all changes shall be approved by the Architect or HHSC Representative and shown on "field posted as-built" drawings.
- C. Submit for approval six (6) sets of catalog cuts of following equipment and resubmit until approval is received before placing order:
 - 1. Receptacles.
 - 2. Outlet boxes.
 - 3. Raceways.
 - 4. Wires.
 - 5. Any built-to-order equipment.
- D. Drawings and catalog cuts for substitute materials shall clearly specify compliance with and/or deviation from specified material. Approval of drawings and catalog cuts shall not release Contractor from complying with the intent of specifications and drawings. Any deviations from approved drawings shall have prior approval by the Architect and/or HHSC Representative.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. All materials shall be new and of the best quality available in their respective kinds, free from all defects and shall conform to standards of Underwriters' Laboratories, Inc., NEMA, ANSI, ASTM, IEEE and EEL. Materials and equipment listed by Underwriters' Laboratories shall bear "UL" label of approval. Brand names, manufacturer's names, and catalog numbers indicate standards of design and quality required. Substitute materials other than those listed in each paragraph will not be solicited unless indicated with "or approved equal".

Example:

<u>Item</u>	<u>Manufacturer and Catalog No. Specified</u>	<u>Substitute Manufacturer and Catalog Number</u>
Cable	Joe Doe - No. 3200	King - No. 2200

Qualifying data shall include cuts, drawings, and specifications to show equality with materials specified herein and in drawings.

B. Raceways:

1. EMT: Galvanized and zinc-coated, 3/4" minimum diameter, except as noted. (Interior use only)
2. Flexible Conduits: Flexible steel, zinc-coated, 1/2" minimum, and used with factory approved fittings. In wet locations, use liquid-tight type jacketed with polyethylene.

C. Outlet Boxes:

1. Concealed boxes shall be pressed from NEC gauge steel, galvanized 4" square x 1-1/2" deep minimum.
2. Extension or raised rings for pressed boxes pressed from NEC gauge steel and galvanized.

D. Device and Cover Plates: Device plates for interior construction shall be stainless steel with suitable hole for device.

E. Wires and Cables: Wires and cables shall meet the applicable requirements of ASTM and UL for the type of insulation, jacket, and conductor specified or indicated. Wires and cables manufactured more than 12 months prior to date of delivery to the site shall not be used.

1. Conductors: Conductors No. 10 AWG and smaller shall be solid or stranded, and those No. 8 AWG and larger shall be stranded. Unless indicated otherwise, conductor sizes shown are based on copper. All conductors shall be copper.
2. Minimum Conductor Size: Minimum size shall be No. 12 AWG.
3. Color Coding: All branch circuit conductors shall be color-coded. Color shall be green for grounding conductors, and white for neutrals, except where neutrals of more than one system are installed in same raceway or box, the other neutral shall be white with a colored (not green) stripe. The color of the ungrounded conductors in different voltage systems shall match existing color-coding. If not available, use the following:

120/208V, 3-phase:

Black	Phase A
Red	Phase B
Blue	Phase C
White	Neutral
Green	Ground

4. Insulation: Unless specified or indicated otherwise, or required to be otherwise by NFPA 70, all power and lighting wires shall be 600-volt, Type THWN or XHHW, except that grounding wire may be Type TW.
5. Equipment Grounding Conductors: ASTM B 1, solid bare copper wire for sizes No. 8 AWG and smaller; ASTM B 8, Class B, stranded bare copper wire for sizes No. 6 AWG and larger.

F. Wiring Devices:

1. Duplex Receptacle, Heavy Duty, Industrial Grade: Ivory phenolic molded body, duplex NEMA 5-20R, 20A, 125V, 2-pole, 3-wire, grounded, back and side wiring, U-shaped grounding slot, parallel double wipe phosphor bronze spring tensioned contacts, heavy-duty corrosion resistant wrap-around body bridge strap with grounding screws and automatic grounding clip, back wiring holes for feed through wiring and rated engraved on body. Install in outlet box with appropriate device or cover plate. Manufacture and install according to NEC Articles No. 210 and 406. Hubbell No. 5362-I, or approved equal.
2. Equal devices by Arrow Hart, Bryant, Leviton, Pass & Seymour, or General Electric are approved.

G. Splices and Termination Components:

1. UL 486A and UL 486B, as applicable for wire connectors, and UL 510 for insulating tapes. Connectors for wires No. 10 AWG and smaller shall be insulated pressure-type in accordance with UL 486A or UL 486C (twist-on splicing connector). Provide solderless terminal lugs on stranded conductors.

- H. Hardware, Support, Backing, Etc.: Provide all hardware, supports, backing, and other accessories necessary to install electrical equipment. Wood materials shall be termite treated, iron or steel materials shall be galvanized for corrosion protection, and non-ferrous materials shall be brass or bronze. All wood screws shall be brass or galvanized steel.

PART 3 - EXECUTION

3.01 CONSTRUCTION METHODS

- A. Comply with local ordinances and regulations of the City and County of Honolulu. Workmanship subject to approval of the Architect and/or HHSC Representative who shall be afforded every opportunity to determine skill and competency. Concealed work reopened at random during formal inspection by the Architect and/or HHSC Representative without additional charge to HHSC.

- B. Construction shall conform to construction practices as recommended by American Electricians Handbook by Croft (latest edition), National Electrical Code, National Electrical Safety Code, and applicable instructions of manufactures of equipment and materials for this project.

3.02 JUNCTION BOXES

- A. Provide outlet boxes where called for in drawings or required by Code.

3.03 RACEWAYS

- A. All conduits shall be EMT and rigid steel raceway. Provide No. 14 galvanized steel pull wire or nylon cord in all empty conduits. EMT for interior and RSC for exterior.
- B. Cut raceways square and ream inner edges. Butt together evenly in couplings.
- C. Make bends and offsets with hickey or conduit bending machine; do not use vise or pipe tee. Make bends so that interior cross-sectional area will not be reduced. Radius of curve of inner edge of field bend not less than 10 times internal diameter of raceway. Use of running threads not permitted. Where raceways cannot be joined by standard threaded couplings, use approved watertight raceway unions.
- D. Cap raceways during construction with plastic or metal-capped bushings to prevent entrance of dirt or moisture. Swab all raceways out and dry before wires or cables are pulled in.
- E. Mount raceways free from other piping, valves or mechanical equipment.
- F. Fish wires, cords, strings, chains, or the like shall not be placed or inserted in the conduit system during installation.
- G. Install insulating bushings and two (2) locknuts on each end of every run of conduit at enclosures and boxes. Provide grounding bushings as required to grounding receptacles and connect conduits to service ground, per NEC Article 250.
- H. Project adequate number of conduit threads through box for bushings.
- I. Run exposed conduit or raceway parallel with, or at right angles to, structural or architectural elements.

- 3.04 Pull Boxes: Construct of not less than the minimum size required by NFPA 70 or code-gage aluminum or galvanized sheet steel, except where cast metal boxes are required in locations specified above. Furnish boxes with screw-fastened covers. Where several feeders pass through a common pull box, tag the feeders to indicate clearly the electrical characteristics, circuit number, and panel designation.

3.05 WIRING

- A. Conductor Identification: Provide conductor identification within each enclosure where a tap, splice, or termination is made. For Conductors No. 6 and smaller, color-coding shall be by factory-applied color-impregnated insulation.
- B. Splices: Make splices in accessible locations. Make splices in Conductors No. 10 AWG and smaller with an insulated pressure type connector.

3.06 GROUNDING

- A. Grounding and Bonding: In accordance with NFPA 70. Ground all exposed non-current carrying metallic parts of electrical equipment, metallic raceway systems, grounding conductor in nonmetallic raceways, and neutral conductor of wiring systems.
- B. Grounding Conductor: Provide an insulated, green colored equipment-grounding conductor in all branch circuits. This conductor shall be separate from the electrical system neutral conductor.

3.07 CLEANING AND REPAIRING

- A. During the process of work, all rubbish, waste lumber, displaced materials, etc. shall be removed as soon as possible and upon completion of work, Contractor shall remove from State's property and from all public and private property, at his own expense, all temporary structures, rubbish, and waste material resulting from his operations.
- B. The Contractor shall restore all removed or damaged pavement, gutters, curbs, sidewalks, signposts, trees, and landscape damaged by his operations to their original condition or better.

3.08 FINISHING

- A. Patch, repair, and restore all structural and architectural elements cut or drilled for installation of electrical system. Drilling, cutting, patching, repairing, and restoring shall be subject to approval of the Architect or HHSC Representative.
- B. Attach electrical equipment to wood by wood screws, and attach to concrete by embedded or expansion inserts and bolts. Use powder-driven charge with approval only. Close unused knockouts on boxes or enclosures with metal cap.
- C. Wipe clean all new exposed raceways and enclosures with rag and solvent. Prime paint and finish all new exposed raceways and enclosures to match adjoining wall finish. Factory finished enclosures shall not be painted unless called for in drawings.

- D. Complete panel directories with typewriter.

END OF SECTION

MALUHIA
RENOVATION OF ROOMS
PROJECT NO.
1027 HALA DR.
HONOLULU, HAWAII 96817
T.M.K.: 01 - 06 - 09: 04

CONSULTANTS

ARCHITECT:
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2020 S. KING STREET
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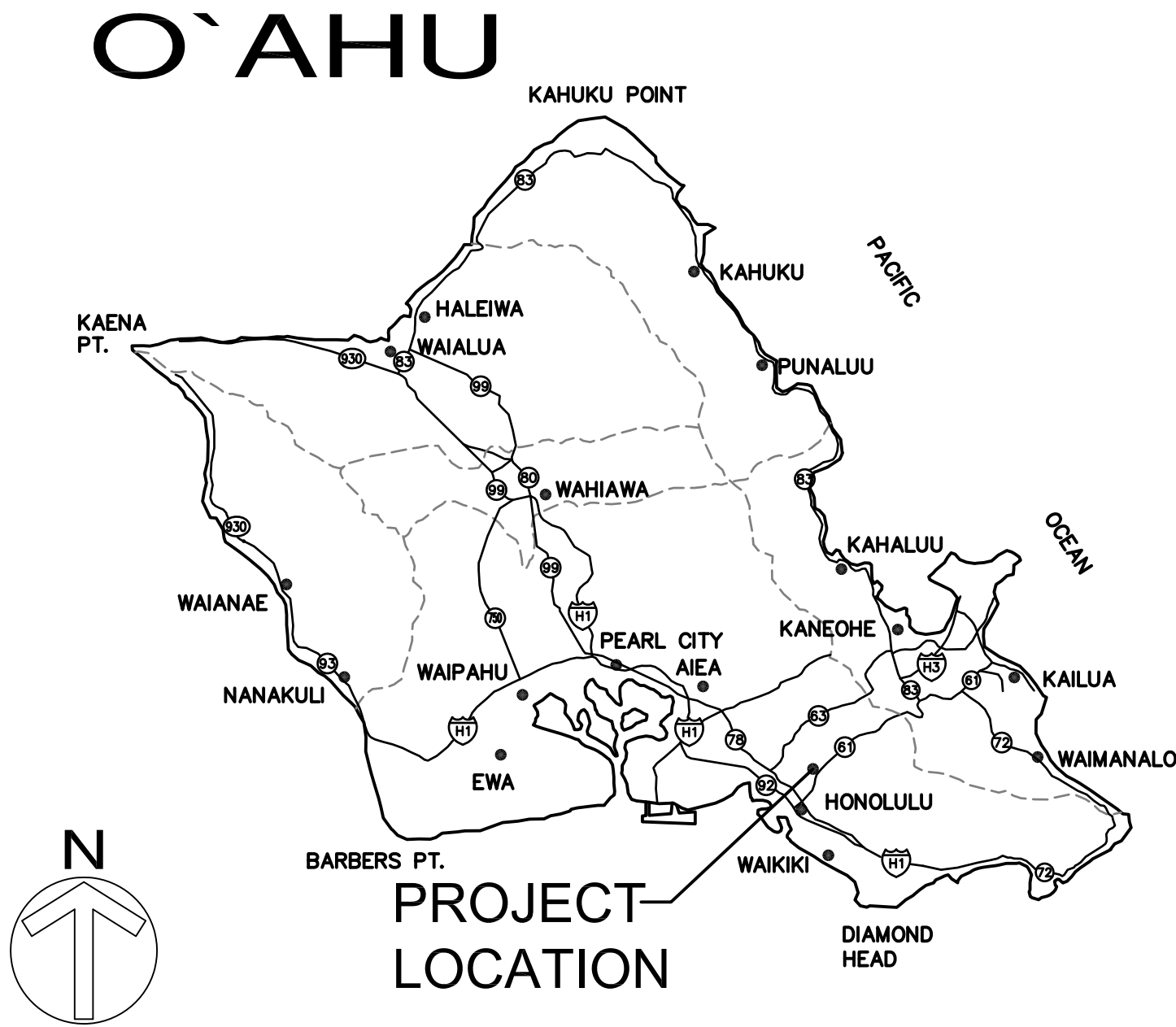
ENVIRONMENTAL ENGINEER:
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FAX: (808) 486-5889

ELECTRICAL:
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PHONE: (808) 836-7787
FAX: (808) 834-4833

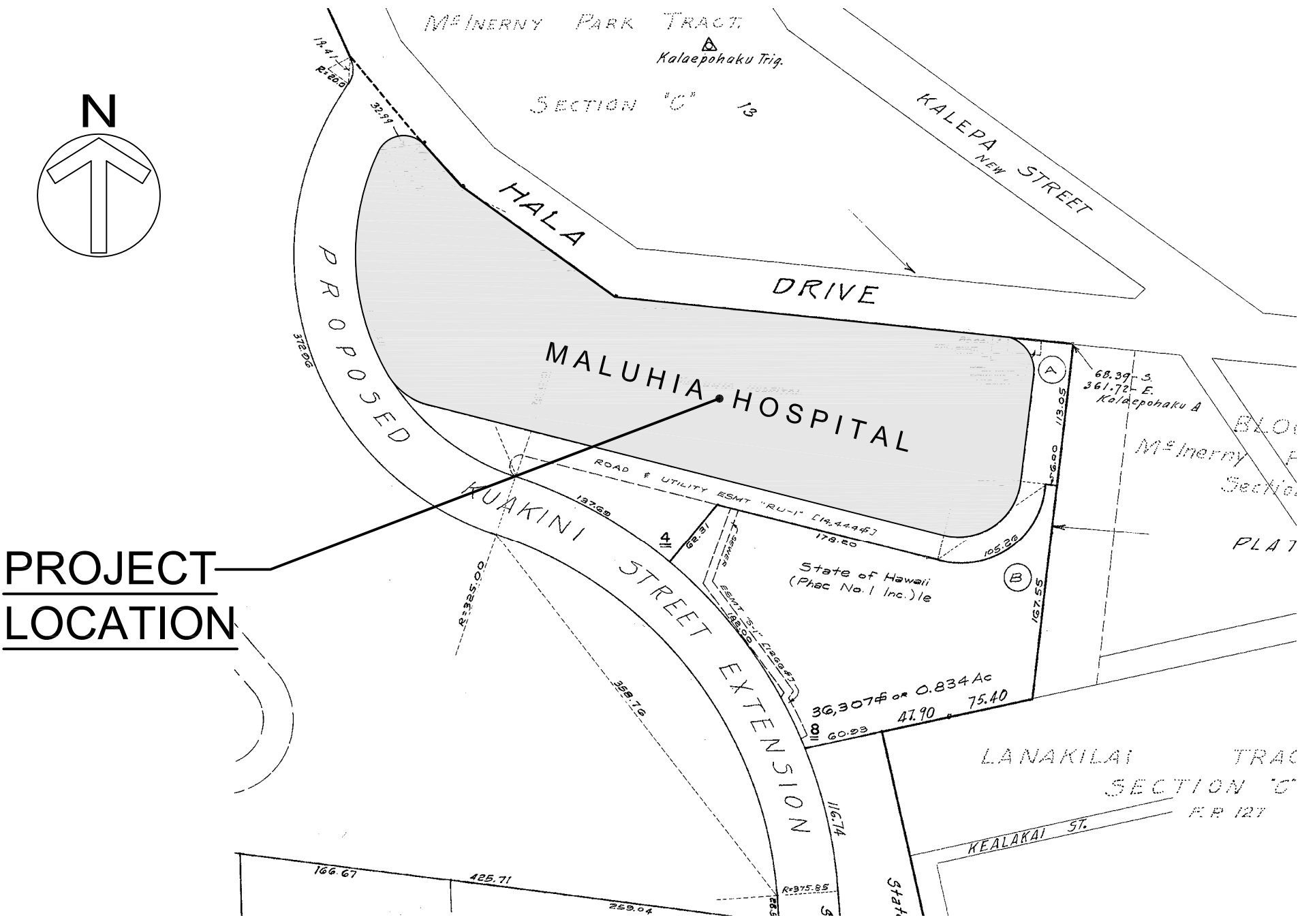
INDEX TO DRAWINGS

SHT. NO.	DESCRIPTION
1	T-1.0 TITLE SHEET, CONSULTANTS, INDEX TO DRAWINGS, LOCATION MAP, VICINITY MAP, GENERAL NOTES, PROJECT NOTES, ASBESTOS NOTES, LEAD NOTES & COVID-19 REQUIREMENTS & PROTOCOLS
ARCHITECTURAL	
2	A-1.0 SITE PLAN
3	A-2.0 FIRST FLOOR PLAN - DEMO WORK
4	A-3.0 EXTERIOR ELEVATIONS - DEMO WORK
5	A-4.0 FIRST FLOOR PLAN - NEW WORK
6	A-5.0 EXTERIOR ELEVATIONS - NEW WORK
7	A-6.0 WINDOW SCHEDULE - NEW WORK, WINDOW TYPES & WINDOW DETAILS
8	A-7.0 EXISTING BASEMENT PLAN, ENLARGED PARTIAL PLAN, ENLARGED REFLECTED CEILING PLAN & WALL SECTION
ELECTRICAL	
9	E-0.1 SYMBOL LIST, MOUNTING HEIGHT SCHEDULE & GENERAL ELECTRICAL NOTES
10	E-1.1 SECOND FLOOR ELECTRICAL PLAN - EXISTING/REMOVAL & NEW WORK
11	E-1.2 THIRD FLOOR ELECTRICAL PLAN - EXISTING/REMOVAL & NEW WORK

LOCATION MAP



VICINITY MAP



NOTES

GENERAL NOTES

- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND READ THE SPECIFICATIONS AND ALL OTHER PROPOSED CONTRACT DOCUMENTS PRIOR TO SUBMITTAL OF HIS BID PROPOSAL. THE CONTRACTOR SHALL FULLY INFORM HIMSELF OF THE SCOPE OF THIS PROJECT PRIOR TO THE SUBMISSION OF HIS BID PROPOSAL AS TO ALL CONDITIONS AND LIMITATIONS UNDER WHICH THE WORK IS TO BE PERFORMED. HE SHALL INCLUDE IN HIS PROPOSAL, A SUM TO COVER ALL COSTS OF ITEMS NECESSARY TO PERFORM THE WORK AS SET FORTH IN THE PROPOSED CONTRACT DOCUMENTS. NO ALLOWANCE SHALL BE MADE TO THE CONTRACTOR DUE TO LACK OF SUCH KNOWLEDGE.
- IF THE CONTRACTOR IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE PROPOSED CONTRACT DOCUMENTS, OR FINDS DISCREPANCIES IN OR OMISSIONS FROM ANY PART OF THE PROPOSED CONTRACT DOCUMENTS, HE MAY SUBMIT TO THE ARCHITECT A REQUEST FOR INTERPRETATION THEREOF.
- ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS, REGULATIONS AND STANDARDS HAVING JURISDICTION OVER THIS PROJECT.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO FABRICATING AND/OR ORDERING MATERIALS.
- ALL MATERIALS FOR THIS PROJECT SHALL BE NEW AND FREE FROM ANY AND ALL DEFECTS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO INSURE THAT THE INSTALLATION OF ALL WORK IS IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BACKING, BLOCKING, BRACKETS, ETC. AS REQUIRED FOR THE PROPER AND SECURED INSTALLATION OF ALL MATERIALS AND PRODUCTS.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON ENCOUNTERING OR SUSPECTING ANY ADDITIONAL HAZARDOUS MATERIALS, ETC. DURING THE COURSE OF THIS PROJECT. THE CONTRACTOR IS NOT AUTHORIZED TO HANDLE, TEST, OR REMOVE SUCH ADDITIONAL MATERIALS WITHOUT SPECIFIC AUTHORIZATION FROM THE ARCHITECT.
- THE CONTRACTOR WITH THE SUPERVISION OF THE ARCHITECT SHALL INSPECT AND NOTE ALL EXISTING DAMAGES PRIOR TO THE START OF WORK. ANY NEW DAMAGES RESULTING FROM THE CONSTRUCTION SHALL BE CORRECTED AT THE CONTRACTOR'S COST.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFETY BARRICADE, AS NECESSARY, OR REQUIRED BY THE OWNER AND SHALL ASSURE SAFETY FOR THE PATIENTS, STAFF AND PUBLIC AT ALL TIMES.
- THE CONTRACTOR SHALL REPORT ANY UNSATISFACTORY CONDITIONS AND/OR DISCREPANCIES TO THE ARCHITECT. FAILURE TO COMPLY WITH THIS CONDITION MAY RESULT IN PLACING ANY AND ALL RESPONSIBILITY, LIABILITY AND EXPENSE TO THE CONTRACTOR.
- FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL COMPLY WITH THE 2006 NFPA 1.
16.5 FIRE SAFETY DURING DEMOLITION:
16.5.1 IF A BUILDING INTENDED TO BE DEMOLISHED CONTAINS A SPRINKLER SYSTEM, SUCH SYSTEM SHALL NOT BE RENDERED INOPERATIVE WITHOUT APPROVAL OF THE AHJ.
16.5.2 DEMOLITION OPERATIONS INVOLVING THE USE OF CUTTING AND WELDING SHALL BE DONE IN ACCORDANCE WITH CHAPTER 41.
16.5.3 COMBUSTIBLE WASTE MATERIAL SHALL NOT BE BURNED AT THE DEMOLITION SITE UNLESS APPROVED BY THE AHJ. COMBUSTIBLE MATERIALS SHALL BE REMOVED FROM THE SITE AS OFTEN AS NECESSARY TO MINIMIZE THE HAZARDS THEREFROM.
16.5.4 WHERE IN THE OPINION OF THE AHJ THE DEMOLITION SITE IS OF A HAZARDOUS NATURE, QUALIFIED PERSONNEL SHALL SERVE AS ON-SITE FIRE WATCH.
- TO THE BEST OF OUR KNOWLEDGE THIS PROJECT CONFORMS TO ADA ACCESSIBILITY GUIDELINES.

PROJECT NOTES

- THE INTENT OF THIS PROJECT IS TO REMOVE AND DISPOSE THE EXISTING WINDOWS AND REPLACE WITH NEW WINDOWS AND DOORS & MISC. WORK AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL REMOVE AND REINSTALL APPURTENANCES AS NECESSARY TO ACCOMPLISH THE PROJECT'S INTENT.
- THE CONTRACTOR SHALL COMPLY WITH ALL HOSPITAL RULES AND REQUESTS AND SHALL INSURE MINIMAL DISRUPTION AND INCONVENIENCE TO STAFF AND PATIENTS.
- WORKING HOURS SHALL BE MONDAY TO FRIDAY, 7:00 AM TO 3:30 PM.

ASBESTOS NOTES:

ASBESTOS-CONTAINING MATERIAL SAMPLING WAS CONDUCTED ON THE BUILDING COMPONENTS AFFECTED BY THE WINDOW REPLACEMENT PROJECT. CEMENTITIOUS PANELS LOCATED BELOW AND ABOVE THE WINDOWS AND CEILING TILES WERE IDENTIFIED AS ASBESTOS CONTAINING MATERIALS (SEE LIMITED INSPECTION REPORT FOR ASBESTOS AND LEAD-BASED PAINT, PREPARED BY ENVIROQUEST, INC., DATED JULY 2013). THE NESHAP, 40 CFR 61 PART M, DEFINES ASBESTOS CONTAINING MATERIALS AS THOSE WHICH CONTAIN GREATER THAN 1% ASBESTOS.

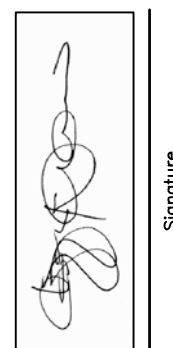
IF THE MATERIALS ARE LIKELY TO BE DISTURBED DURING THE WINDOW REPLACEMENT PROJECT, THE MATERIALS MUST BE REMOVED PRIOR TO THE RENOVATION ACTIVITY. ALL REMOVAL MUST BE COMPLETED BY A CERTIFIED ASBESTOS ABATEMENT CONTRACTOR UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ENVIRONMENTAL PROTECTION AGENCY (EPA) AND HAWAII DEPARTMENT OF HEALTH (HDOH) REGULATIONS

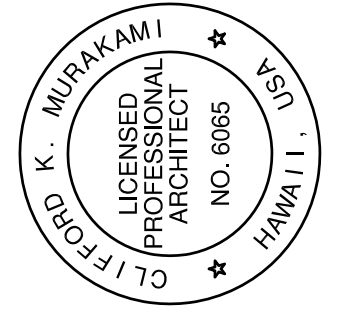
LEAD NOTES:

VARIOUS PAINTS THAT MAY BE IMPACTED BY THE WINDOW REPLACEMENT PROJECT WERE IDENTIFIED AS LEAD-CONTAINING PAINT (SEE LIMITED INSPECTION REPORT FOR ASBESTOS AND LEAD-BASED PAINT, PREPARED BY ENVIROQUEST, INC., DATED JULY 2013). THE CONTRACTOR'S EMPLOYEES REMOVING OR DISTURBING THE PAINT MUST BE INFORMED THAT IT CONTAINS LEAD AND MUST HAVE RECEIVED TRAINING UNDER OSHA 29 CFR 1926.62 LEAD AND HIOSH 12-148.1 LEAD.

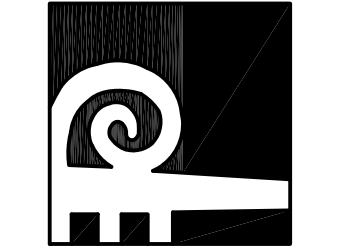
THE COMPOSITE SAMPLE OF THE PAINT WASTE GENERATED SHOULD BE COLLECTED FOR TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) ANALYSIS TO DETERMINE THE WASTE DISPOSAL CHARACTERIZATION. HAWAII ADMINISTRATIVE RULES, TITLE 11, DEPARTMENT OF HEALTH, CHAPTER 261, HAZARDOUS WASTE MANAGEMENT ALLOWS A MAXIMUM CONCENTRATION OF LEAD CONTAMINANT BY TCLP AT 5.0 MG/L. TCLP RESULTS EXCEEDING THE 5.0 MG/L THRESHOLD REQUIRES THE MATERIAL TO BE DISPOSED OF AS HAZARDOUS WASTE. RESULTS BELOW THIS THRESHOLD ALLOWS FOR THE MATERIALS TO BE DISPOSED OF AS CONSTRUCTION DEBRIS.

COVID-19 REQUIREMENTS AND PROTOCOLS:
ALL CONTRACTOR PERSONNEL ENTERING THE FACILITIES SHALL BE FULLY VACCINATED. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, COUNTY, HHSC AND FACILITY COVID-19 RULES, REGULATIONS AND REQUIREMENTS. ALL CONTRACTOR PERSONNEL ENTERING THE FACILITY SHALL BE VACCINATED IN ACCORDANCE TO CMS, CDC AND HHSC OAHU REGION GUIDELINES. FAILURE TO DO SO MAY RESULT IN CONTRACTOR PERSONNEL BEING PROHIBITED FROM ENTERING FACILITY. ALL COST INCURRED DUE TO NON-COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

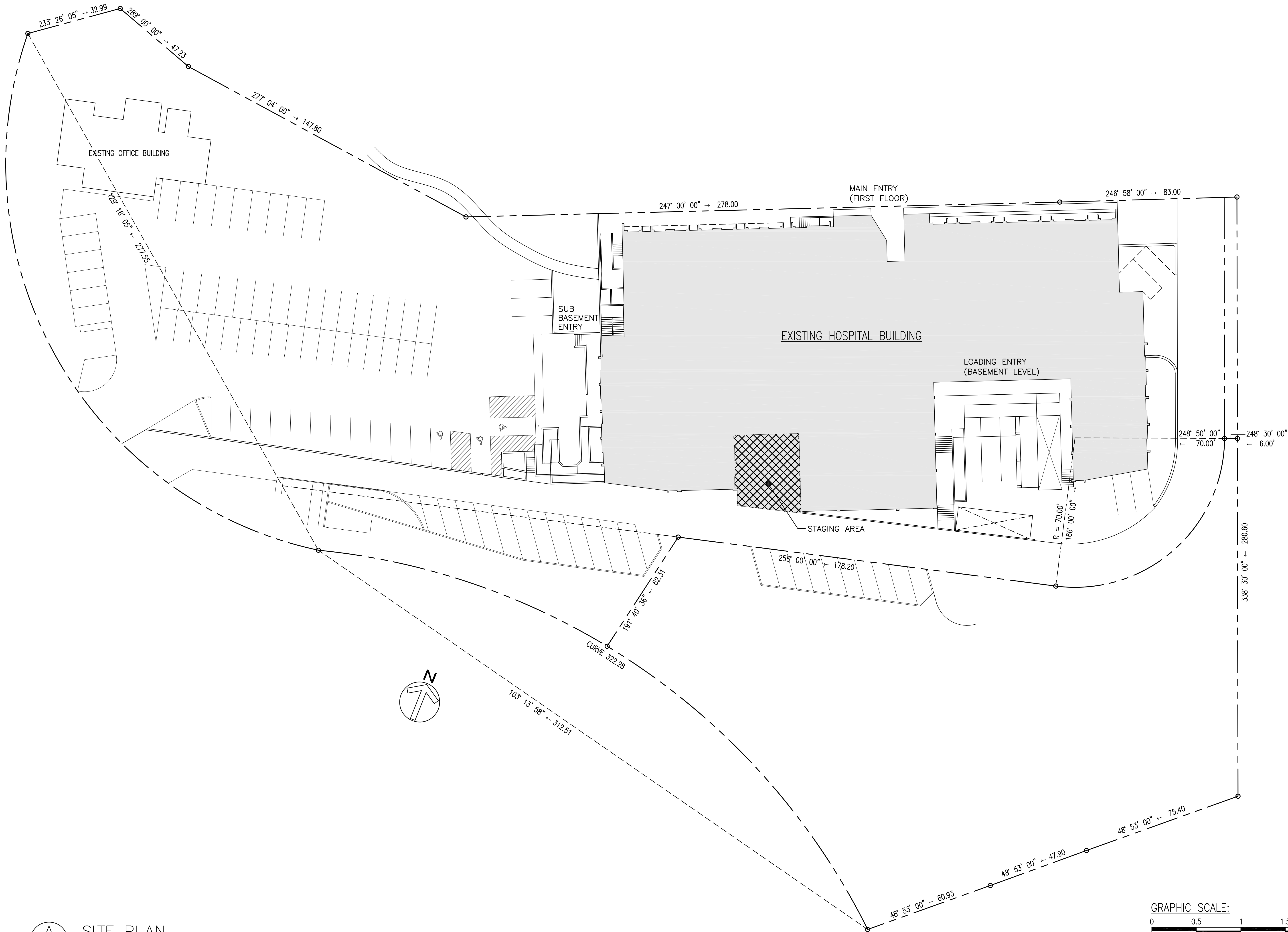
DATE	
DESCRIPTION	
REV. NO.	
This work was prepared by me or under my direct supervision and I am a duly licensed professional engineer in the State of Hawaii. I am not providing my professional seal for this project until I have observed the work.	
	
Signature	
LICENSE EXPIRES: APR. 30, 2014	



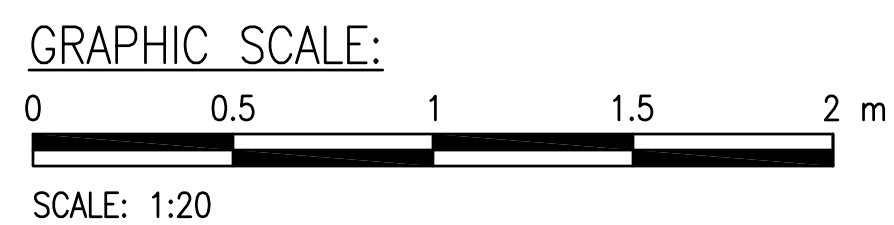
Pacific Architects, Inc.
2020 South King Street
Honolulu, Hawaii 96826
808-949-1601
fax 808-942-0054



PROJECT TITLE
MALUHIA
RENOVATION OF ROOMS
1027 HALA DR.
HONOLULU, HI 96817
T.M.K.: 01 - 06 - 09: 04
SHEET TITLE
TITLE SHEET, CONSULTANTS, INDEX TO DRAWINGS, LOCATION MAP, VICINITY MAP, GENERAL NOTES, PROJECT NOTES & COVID-19 REQUIREMENTS & PROTOCOLS



A SITE PLAN
A-1.0 SCALE: 1" = 20'-0"




DATE					
DESCRIPTION					
REV. NO.					
This work was prepared by me or under my direct supervision and I am a duly licensed professional engineer in the State of Hawaii. Signature: 		LICENSE EXPIRES: APR. 30, 2014			
					
Pacific Architects, Inc. 2020 South King Street Honolulu, Hawaii 96826 808-949-1601 fax 808-942-0054					
					
PROJECT TITLE MALUHIA RENOVATION OF ROOMS		SHEET TITLE SITE PLAN			
DATE: MARCH, 2022 SCALE: AS SHOWN DRAWN: GA/MM/MT CHECK: DM		2 OF 11 SHEETS			

A-1.0

DEMO LEGEND		DATE			
1	REMOVE & DISPOSE EXIST'G WINDOW & FRAME				
2	REMOVE & DISPOSE EXIST'G STOREFRONT				
3	REMOVE & DISPOSE EXIST'G WINDOW & FRAME				
4	REMOVE & DISPOSE EXIST'G STOREFRONT				
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6	REMOVE & DISPOSE EXIST'G STOREFRONT				
7	REMOVE & DISPOSE EXIST'G WINDOW & FRAME				
8	REMOVE & DISPOSE EXIST'G WINDOW & FRAME				

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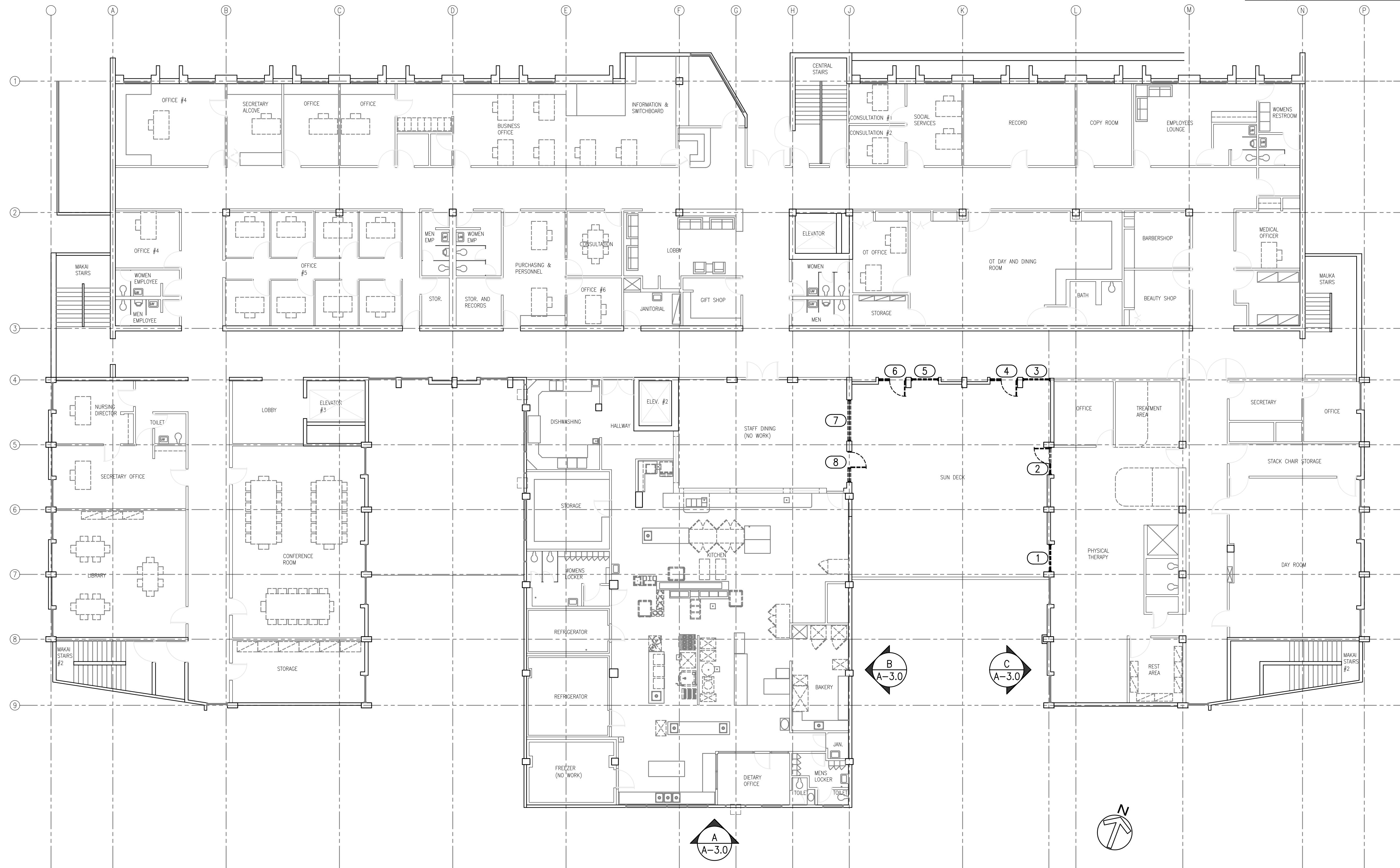



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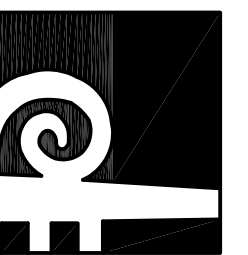
APR. 30, 2014




 FIRST FLOOR PLAN – DEMO WORK
 SCALE: $3/32" = 1'-0"$

CLIFFORD K. MURAKAMI
 LICENSED
 PROFESSIONAL
 ARCHITECT
 NO. 6065
 HAWAII, USA

Pacific Architects, Inc.
2020 South King Street
Honolulu, Hawaii 96826
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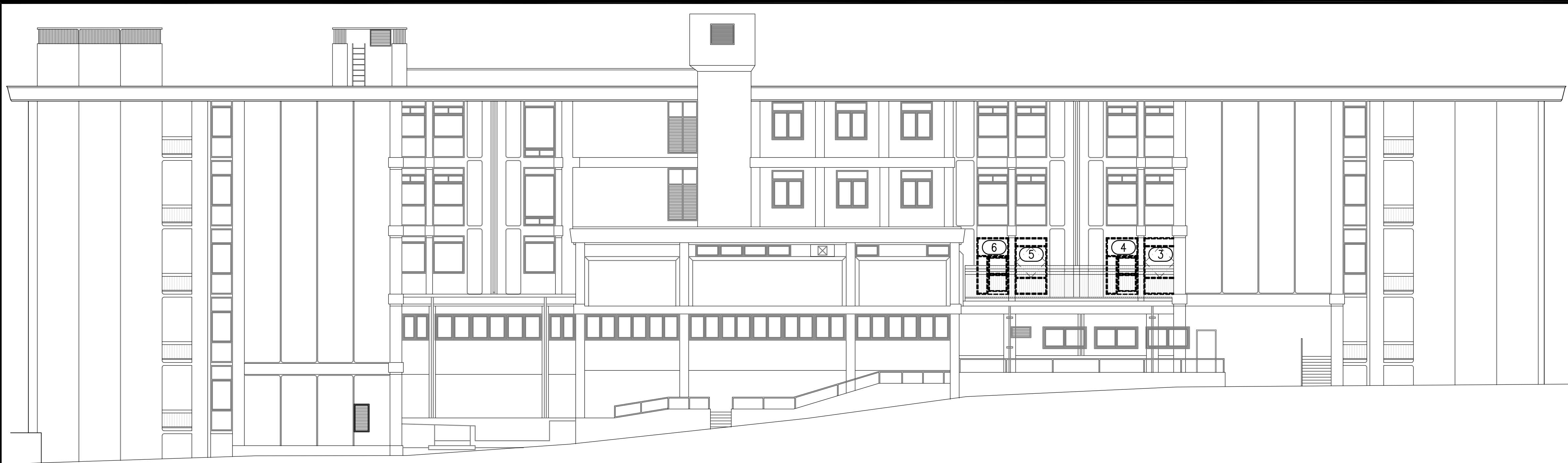
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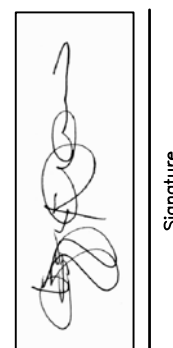
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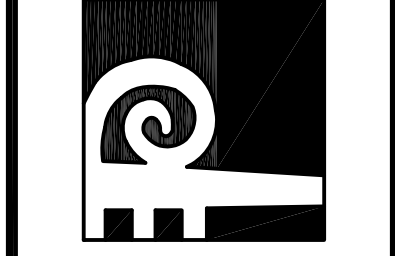


DEMO LEGEND	
①	REMOVE & DISPOSE EXIST'G WINDOW & FRAME
②	REMOVE & DISPOSE EXIST'G STOREFRONT
③	REMOVE & DISPOSE EXIST'G WINDOW & FRAME
④	REMOVE & DISPOSE EXIST'G STOREFRONT
⑤	REMOVE & DISPOSE EXIST'G WINDOW & FRAME
⑥	REMOVE & DISPOSE EXIST'G STOREFRONT
⑦	REMOVE & DISPOSE EXIST'G WINDOW & FRAME
⑧	REMOVE & DISPOSE EXIST'G WINDOW & FRAME

DATE	
DESCRIPTION	
REV. NO.	
This work was prepared by me or under my direct supervision and I am a duly licensed professional architect in the State of Hawaii. I am not providing any professional services for this project that I am not licensed to provide. I am not providing any professional services for this project that I am not licensed to provide.	
Signature:  LICENSE EXPIRES: APR. 30, 2014	



Pacific Architects, Inc.
2020 South King Street
Honolulu, Hawaii 96826
808-949-1601
fax 808-942-0054



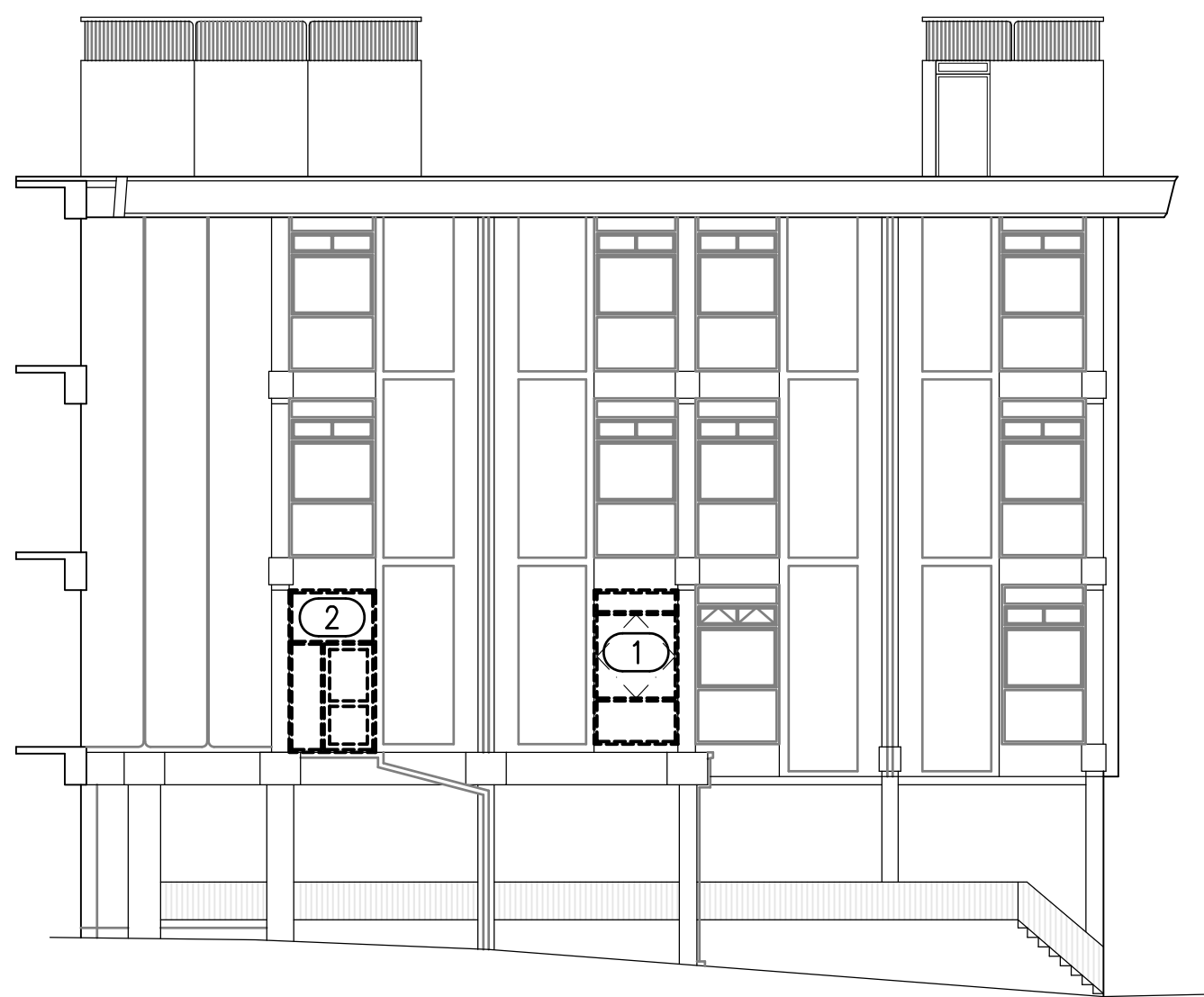
PROJECT TITLE	MALUHIA RENOVATION OF ROOMS 1027 HALA DR. HONOLULU, HI 96817 T.M.K.: 01 - 06 - 09: 04
SHEET TITLE	EXTERIOR ELEVATION - DEMO WORK

DATE	MARCH, 2022
SCALE	AS SHOWN
DRAWN	GA/MM/MT
CHECK	DM
SHEET	
A-3.0	
4	OF 11 SHEETS

A EXTERIOR ELEVATION — DEMO WORK
A-3.0 SCALE: 3/32" = 1'-0"

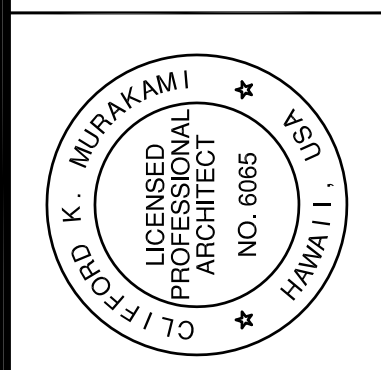


B EXTERIOR ELEVATION — DEMO WORK
A-3.0 SCALE: 3/32" = 1'-0"



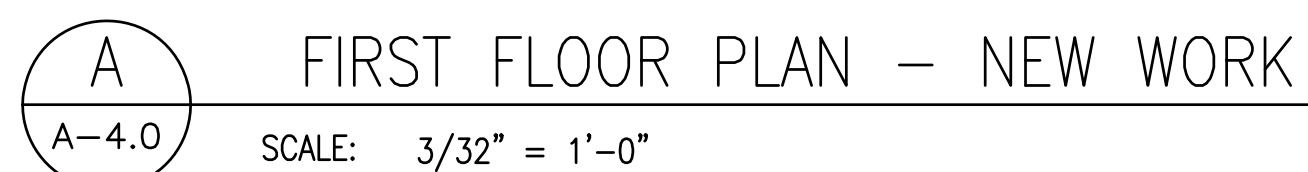
C EXTERIOR ELEVATION — DEMO WORK
A-3.0 SCALE: 3/32" = 1'-0"

- [illegible]



PROJECT TITLE	MALUHIA RENOVATION OF ROOMS
SHEET TITLE	1027 HALA DR. HONOLULU, HI 96817 T.M.K.: 01 - 06 - 09: 04 FIRST FLOOR PLAN - NEW WORK

DATE	MARCH 2022	
SCALE	AS SHOWN	
DRAWN	GA/MM/MT	CHECK DM
SHEET		
A-4.0		
5	OF	11
SHEETS		





NOTE:

1. SEE WINDOW SCHEDULE & NOMINAL WINDOW SIZES ON SHEET A-6.0.
2. CONTRACTOR SHALL FIELD VERIFY EACH & ALL WINDOW ROUGH OPENING DIMENSIONS PRIOR TO THE FABRICATION OF NEW WINDOWS.



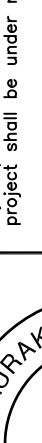
(A) EXTERIOR ELEVATION — NEW WORK
A-5.0 SCALE: $\frac{3}{32}'' = 1'-0''$



(B) EXTERIOR ELEVATION — NEW WORK
A-5.0 SCALE: $\frac{3}{32}'' = 1'-0''$



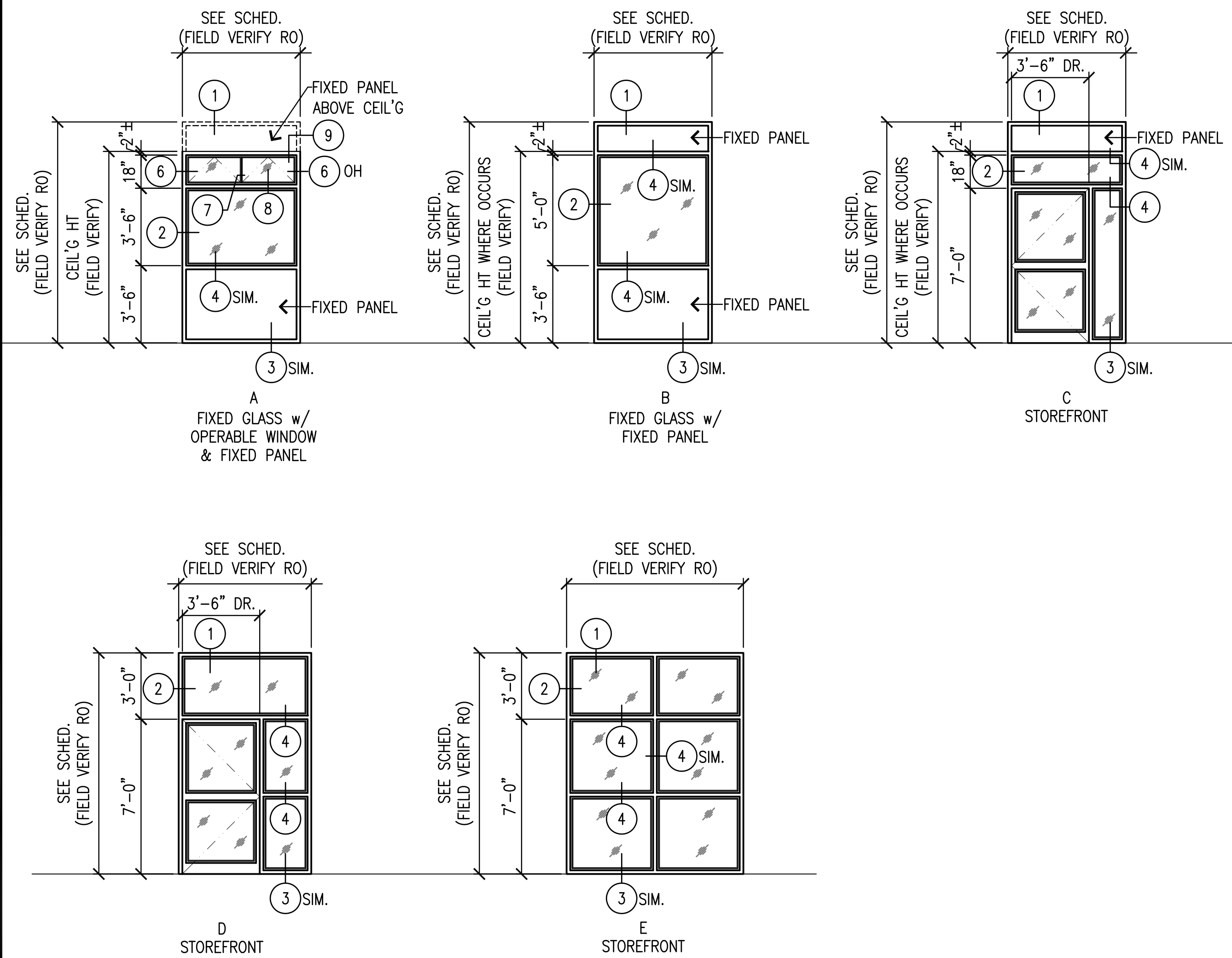
C EXTERIOR ELEVATION – NEW WORK
A-5.0 SCALE: 3/32" = 1'-0"

PROJECT TITLE		DATE		REVISION		DATE	
MALUHIA RENOVATION OF ROOMS 1027 HALA DR. HONOLULU, HI 96817 T.M.K.: 01 - 06 - 09: 04		MARCH 2022					
		SCALE AS SHOWN					
		DRAWN GA/GM/MT		CHECK DM			
		SHEET					
SHEET TITLE		EXTERIOR ELEVATION - NEW WORK					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>Pacific Architects, Inc. 2020 South King Street Honolulu, Hawaii 96826 808-949-1601 fax 808-942-0054</p> </div> <div style="text-align: center;">  </div> </div>							
This work was prepared by me or under my direct supervision and this project shall be under my observation.						Signature LICENSE EXPIRES - APRIL 30, 2014	

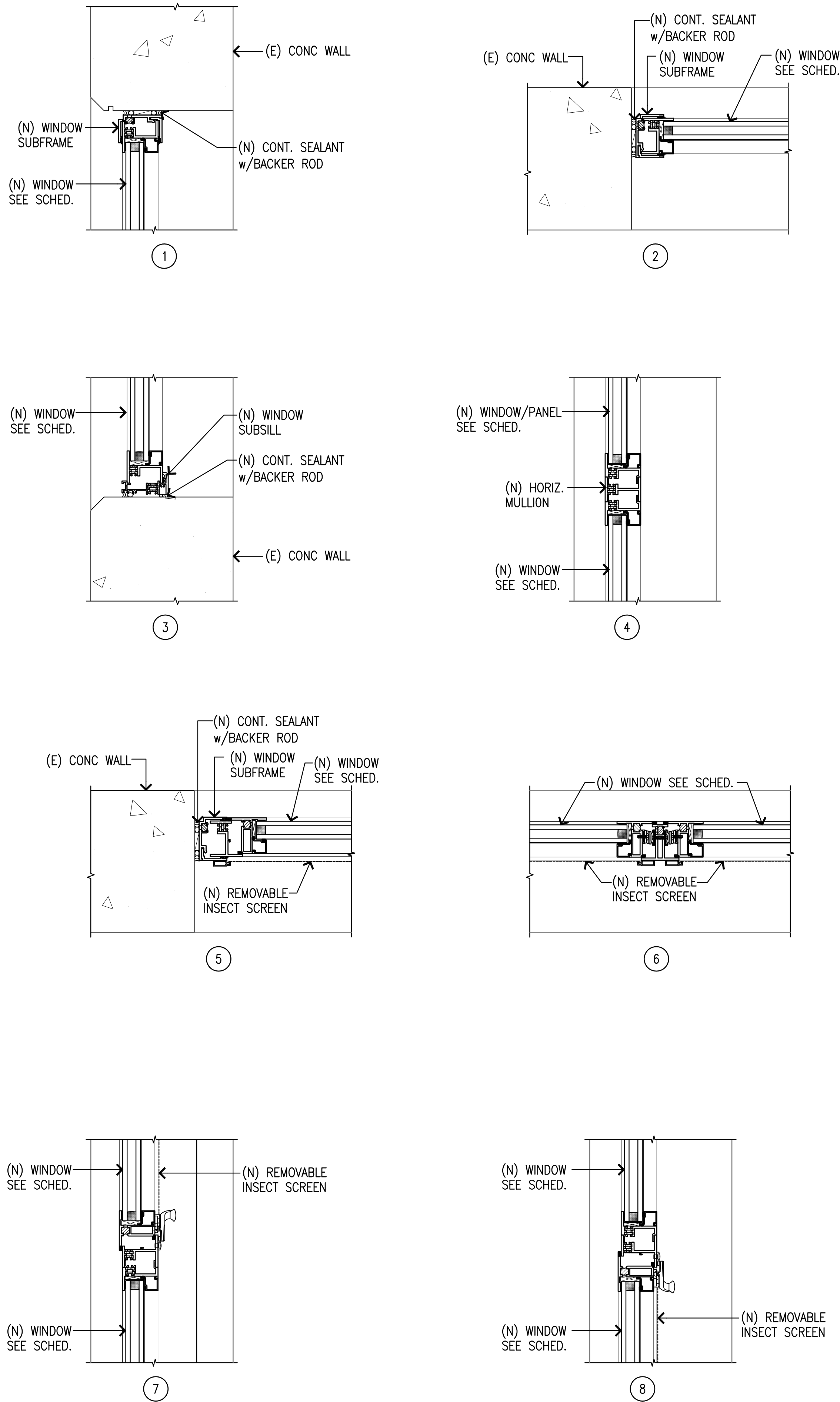
WINDOW SCHEDULE												
BUILDING FLOOR	WINDOW NO.	WINDOW SIZE (ROW x ROH)	TYPE	FRAME		GLAZING	DETAIL					REMARKS
				MAT'L	FINISH		HEAD	JAMB	V MULLION	H MULLION	SILL	
FIRST FLOOR	1	5'-4" x 10'-0"	A	ALUM	BRONZE ANODISE	TINTED	1	2, 5	6	4 (SIM), 7, 8	3 (SIM)	
	2	5'-4" x 10'-0"	C	●	●	●	1	2	—	4 (SIM)	3 (SIM)	
	3	5'-4" x 10'-0"	B	↓	↓	↓	1	2	—	4 (SIM)	3 (SIM)	
	4	5'-4" x 10'-0"	C	↓	↓	↓	1	2	—	4 (SIM)	3 (SIM)	OPPOSITE HAND
	5	5'-4" x 10'-0"	B	↓	↓	↓	1	2	—	4 (SIM)	3 (SIM)	
	6	5'-4" x 10'-0"	C	↓	↓	↓	1	2	—	4 (SIM)	3 (SIM)	OPPOSITE HAND
	7	8'-0" x 10'-0"	E	↓	↓	↓	1	2	4 (SIM)	4	3 (SIM)	
	8	6'-0" x 10'-0"	D	↓	↓	↓	1	2	—	4	3 (SIM)	

NOTES:

- DIMENSION SHOWN IN THE WINDOW SCHEDULE ARE NOMINAL WINDOW SIZES.
- CONTRACTOR SHALL FIELD VERIFY EACH & ALL WINDOW ROUGH OPENING DIMENSIONS PRIOR TO FABRICATION OF NEW WINDOW.
- ALL GLASS SHALL BE 1/4" LOW "E" SAFETY GLASS.



A WINDOW TYPES
A-6.0 SCALE: 1/4" = 1'-0"



B WINDOW DETAILS
A-6.0 SCALE: 3" = 1'-0"

DATE	
DESCRIPTION	
REV. NO.	
This work was prepared by me or under my direct supervision and I am a duly licensed professional architect in the State of Hawaii. My license number is 6065. My license expires on April 30, 2014.	
Signature	
K. MURAKAMI LICENSED PROFESSIONAL ARCHITECT NO. 6065 HAWAII	
Pacific Architects, Inc. 2020 South King Street Honolulu, Hawaii 96826 808-949-1601 fax 808-942-0054	
PROJECT TITLE MALUHIA RENOVATION OF ROOMS 1027 HALA DR. HONOLULU, HI 96817 T.M.K.: 01 - 06 - 09. 04	
SHEET TITLE WINDOW SCHEDULE - NEW WORK, WINDOW TYPES & WINDOW DETAILS	
DATE MARCH, 2022	
SCALE AS SHOWN	
DRAWN GA/MM/MT	
CHECK DM	
SHEET	
A-6.0	
7 OF 11 SHEETS	

GENERAL ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO BIDDING. BID SUBMISSION SHALL BE CONSIDERED AS CONFIRMATION THAT THE CONTRACTOR HAS VISITED THE SITE AND HAS RESOLVED ALL DISCREPANCIES AND QUESTIONS REGARDING THE WORK. NO EXTRA PAYMENT WILL BE GIVEN FOR WORK MADE NECESSARY BY THE CONTRACTOR'S FAILURE TO VISIT THE SITE.
2. ALL RACEWAYS AND OUTLETS SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
3. CONDUIT SIZES INDICATED ON THE DRAWINGS ARE NOT NECESSARILY BASED ON THE MINIMUM SIZE ALLOWED BY THE NATIONAL ELECTRICAL CODE AND MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID CONDUIT HEATING. CONDUIT SIZES NOT CALLED OUT ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR, BASED ON THE ACTUAL NUMBER OF CONDUCTORS TO BE INSTALLED, USING THE NATIONAL ELECTRICAL CODE AS A GUIDE. IN NO CASE SHALL CONDUIT SIZES BE SMALLER THAN 3/4" DIAMETER.
4. ALL WIRING SHALL INCLUDE AN INSULATED GREEN GROUNDING CONDUCTOR SIZED PER TABLE 250.122 OF THE NATIONAL ELECTRICAL CODE. THIS CONDUCTOR SHALL BE CARRIED IN ALL RACEWAYS INCLUDING THOSE INSTALLED FOR SWITCH LEGS AND SHALL BE ATTACHED TO THE DEVICE, LIGHT FIXTURE, OR EQUIPMENT HOUSING USING A SUITABLE GROUNDING LUG.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS. SIZING OF THESE BOXES SHALL BE PER THE NATIONAL ELECTRICAL CODE.
6. ALL PENETRATIONS THROUGH FIRE RATED WALLS AND SLABS SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE FIRE RATING USING A U.L. LISTED FIRE STOPPING SYSTEM.
7. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CONTRACTING OFFICER BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS OR FIRE RATED WALLS AND SLABS.
8. PROJECT CONDITIONS MAY REQUIRE REARRANGEMENT OF ELECTRICAL WORK, THE CONTRACTOR SHALL MAKE CHANGES ON THE AS-BUILT DRAWINGS AND SUBMIT TO THE CONTRACTING OFFICER. WHERE CHANGES REQUIRE ALTERNATE METHODS TO THOSE SPECIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING THE PROPOSED METHOD FOR APPROVAL. THE CONTRACTOR SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED FROM THE CONTRACTING OFFICER.
9. EXISTING CONDITION SHOWN ON DRAWINGS ARE TAKEN FROM PAST DESIGN DRAWINGS AND VISUAL FIELD INVESTIGATION. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN. DEVIATIONS SHALL BE SHOWN ON AS-BUILT DRAWINGS.
10. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
11. REFINISH AND PATCH TO MATCH ALL EXISTING WALL AND CEILING SURFACES DAMAGED OR SCRATCHED BY ELECTRICAL REMOVAL AND INSTALLATION WORK. NEW TOUCH-UP PAINT WORK SHALL BLEND INTO AND MATCH EXISTING FINISH.
12. ALL NEW WIRES SHALL BE # 12 AWG, UNLESS OTHERWISE NOTED.
13. AVOID CORING OR DRILLING THROUGH RE-BARS WHEN PENETRATING THROUGH EXISTING CONCRETE WALL, CEILING OR FLOOR. ALL EXTERIOR WALL PENETRATIONS SHALL BE WATERTIGHT.
14. THE CONTRACTOR SHALL LABEL EACH RECEPTACLE WITH PANEL NAME AND CIRCUIT NUMBER. USE ADHESIVE LABELS - BLACK LETTERING ON CLEAR BACKGROUND.
15. THE TERM "WIRING" SHALL INCLUDE RACEWAY, CONDUCTORS, EQUIPMENT, AND WIRING.
16. THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".

CITY AND COUNTY OF HONOLULU
REVISED ORDINANCE CHAPTER 32,
HONOLULU COUNTY CODE 1990, AS AMENDED

To the best of my knowledge, this project's design substantially conforms to the Building Energy Conservation Code for:

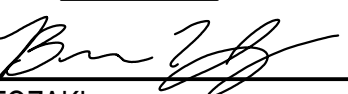
Building Component Systems

X

Electrical Component Systems

Mechanical Component Systems

Signature:

















 Date: 2/28/22

Name: BRIAN ITOZAKI

Title: ELECTRICAL ENGINEER

License No.: 9058-E

ELECTRICAL SYMBOL LIST		
EXISTING	NEW	DESCRIPTION
		LIGHT, CEILING SURFACE MOUNTED.
		LIGHT, WALL MOUNTED.
		SWITCH, FLUSH TUMBLER, WALL MOUNTED.
"a"		INDICATES FIXTURE OR DEVICE CONTROLLED BY SW. "a", OTHER LETTERS SIMILAR.
		JUNCTION BOX, CEILING MOUNTED.
		RECEPTACLE, DUPLEX, TAMPER-RESISTANT, WALL MOUNTED, 20A, 125V, NEMA 5-20.
		RECEPTACLE, DUPLEX, G.F.I. TYPE, WALL MTD., 20A, 125V, NEMA 5-20.
		RECEPTACLE, TWO-DUPLEX, CEILING MOUNTED, 20A, 125V, NEMA 5-20.
		ELECTRIC PANEL.
		RACEWAY, CONCEALED ABOVE FINISH FLOOR. NUMBER OF HASHMARKS INDICATE NUMBER OF WIRES WITHIN. (INCLUDES GRD. WIRES)
		RACEWAY, CONCEALED BELOW FINISH FLOOR. NO HASHMARKS INDICATES TWO WIRES WITHIN. (INCLUDES GRD. WIRES)
		ARROW, HOMERUN TO PANEL OR CABINET.
		ELECTRICAL NOTE INDICATOR.
		DETAIL INDICATOR UPPER HALF: DETAIL NUMBER. LOWER HALF: SHEET NUMBER, DETAIL LOCATION.

ABBREVIATIONS LIST

A	AMPERES	LOADCTR	LOADCENTER
ADMIN	ADMINISTRATION	MISC	MISCELLANEOUS
AFF	ABOVE FINISH FLOOR	MTD	MOUNTED
AIC	AMPERE INTERRUPTING CAPACITY	MTG	MOUNTING
BLDG	BUILDING	NEC	NATIONAL ELECTRICAL CODE
BKBD	BACKBOARD	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
C	CONDUIT	NL	NIGHT LIGHT
CKT	CIRCUIT	NTS	NOT TO SCALE
CKT BRKR	CIRCUIT BREAKERS	OC	ON CENTER
COMM	COMMUNICATION	P	POLE
CONC	CONCRETE	PFB	PROVISION FOR FUTURE BREAKER
CONT	CONTINUE	PH	PHASE
dBa	DECIBEL	PNL	PANEL
D	DEEP	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	RECEP	RECEPTACLE
DISC	DISCONNECT	REINF	REINFORCED
(E)	EXISTING	RM	ROOM
ELEC	ELECTRIC	SCHED	SCHEDULE
EQUIP	EQUIPMENT	SQ	SQUARE
FA	FIRE ALARM	SWBD	SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL	SWBK	SWITCHBANK
FIN FLR	FINISH FLOOR	THK	THICK
GALV	GALVANIZED	TYP	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLTS
GRD	GROUND	W	WATT
H	HIGH	W	WIDE
JB	JUNCTION BOX	WP	WEATHERPROOF
K	KELVIN		

PROJECT TITLE
MALUHA
RENOVATION OF ROOMS
1027 HALA DR.
HONOLULU, HI 96817
T.M.K.: 01 - 06 - 09: 04

DATE
MARCH 2022

SCALE
AS SHOWN

DRAWN AC
CHECK SM

SHEET
E-0.1

9 OF 11 SHEETS

DESCRIPTION
DATE

REV. NO.
DATE

This work was prepared by me or under my direct supervision and I am a duly Licensed Professional Engineer in the State of Hawaii. Signature:  LICENSE EXPIRES: APR. 30, 2022





Pacific Architects, Inc.
2020 South King Street
Honolulu, Hawaii 96826
808-949-1601
fax 808-942-0054

SHEET TITLE
ELECTRICAL SYMBOL LIST

