

CONTRACT DOCUMENTS

FOR

**INDEFINITE DELIVERY / INDEFINITE QUANTITY CONTRACT
SWIMMING POOL TILE AND PLASTER IMPROVEMENTS – PHASE 1**

FOR THE

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

JOB NO.: 26-P-12
SOLICITATION NO.: RFB-DDC-1968607

ARCHITECT: RMA Architects, Inc.

DATE: May 2026

ARCHITECT'S CERTIFICATION



Malia M.G. Cengia
Signature

4/30/2028
Expiration Date of the License

This work was prepared by me or
under my supervision

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RFB-DDC-1968607

NOTICE TO OFFERORS

COMPETITIVE SEALED BIDS (must be hardcopy) shall be received no later than 2:00 p.m. HST, July 30, 2026, in the Office of the Division of Purchasing, Department of Budget and Fiscal Services, City and County of Honolulu, City Hall, Room 115, 530 South King Street, Honolulu, Hawaii 96813 for:

IDIQ Swimming Pool Tile and Plaster Improvements – Phase 1

JOB NO. 26-P-12

Unless otherwise stated in the solicitation, competitive sealed bids shall be read aloud at the public bid opening held shortly after the deadline for offers, as amended.

Offerors shall be licensed in accordance with Chapter 444, HRS, relating to the licensing of Contractors.

Pursuant to Section 3-122-16.05 of the Hawaii Administrative Rules, a pre-bid conference shall be held for construction or design-build projects with a total estimated contract value of \$500,000.00 or more. A pre-bid conference will be held at the Waipahu District Park Swimming Pool, 94-230 Paiwa Street, Waipahu, HI 96797, on July 2, 2026 at 10:00 a.m. All potential interested offerors, subcontractors, and union representatives are invited to attend.

Requests for clarification regarding this bid solicitation shall be directed to Rosario Sambueno of the Division of Purchasing by email to bfspurchasing@honolulu.gov. The CITY will accept requests for substitution submitted electronically to bfspurchasing@honolulu.gov. All requests shall be received no later than July 10, 2026. Requests received after this date may not be given consideration.

Following are modifications to the General Instructions to Offerors dated 02/09/2017:

- Delete Item (2) of Section 2.19(b), Notification of Addenda in its entirety.
- Delete subsection (a) of Section 8.4 in its entirety and replace with the following:
 - “(a) Notarization
Signatures appearing on bond forms (if applicable) must be notarized by a notary public.”

- This space left intentionally blank. -

SCHEDULE AND SIGNIFICANT DATES

MILESTONE	DATE
Pre-Bid Conference	July 2, 2026
Requests for Clarification/Substitution due date	July 10, 2026
Requested by date for Offeror's Statement of Qualifications	July 17, 2026
Last Day for Issuance of Addenda	July 27, 2026
Bid Opening Date	July 30, 2026


for _____
PAULA A. YOUNGLING
Purchasing Administrator 
City and County of Honolulu

GENERAL INSTRUCTIONS TO OFFERORS



CITY AND COUNTY OF HONOLULU

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CHAPTER 1.0: GENERAL

1.1 Introduction.

These General Instructions to Offerors (“Instructions”) state the City's policies relating to Request for Competitive Sealed Bids (RFB), Request for Competitive Sealed Proposals (RFP), and Request for Quotation (RFQ) solicitations.

Before submitting an offer, the Offeror shall be responsible for reading and examining the solicitation documents, these Instructions and all applicable requirements by law. Submission of an offer shall be deemed verification of such reading and examination. No Offeror shall in any way be relieved of any obligation with respect to its offer or the contract due to its failure or neglect to, familiarize itself with, and understand the work requirements, the Solicitation Documents, or existing conditions. No claim for additional compensation to the Offeror shall be allowed based on lack of knowledge or misunderstanding.

1.2 Application.

Any solicitation referencing these General instructions is subject to the Hawaii Revised Statutes (“HRS”) §103D and the Hawaii Administrative Rules (“HAR”) Title 3. In the case of inconsistencies, the HRS or HAR shall govern over the solicitation’s provisions. Provisions from the HRS and HAR are presented for convenience only and may not be complete. Should the solicitation’s provisions conflict with these General Instructions, the solicitation’s provisions shall govern. Unless otherwise specified, these instructions are not intended to be incorporated into awarded contracts.

1.3 Definitions.

The terms used in this General Instructions to Offerors shall have the same meanings as defined in the City’s General Terms and Conditions.

CHAPTER 2.0: SOLICITATION

2.1 Order of Precedence.

Whenever separate Scope of Work, City-provided Offer pages, Special Provisions, Exhibits, requirements, specifications or plans are referred to or attached hereto, they shall be considered a part of this solicitation document as if contained herein. Should any of the scope of work, City-provided offer pages special provisions, requirements, specifications or plans conflict with these Instructions to Offerors, they shall govern. The most recent addenda shall govern over all other previously issued addenda and other solicitation documents.

2.2 Attachments.

In the Vendor Self Service (VSS) eProcurement system, all attachments are incorporated and by reference made a part of the solicitation.

2.3 City's Estimates.

Any estimate provided by the City is for the convenience of the Offeror only and the City does not represent or warrant its accuracy. An Offeror should conduct its own review and analysis.

2.4 Pre-bid or Pre-proposal Conference.

Pre-bid or pre-proposal conference (pre-offer conference), if held, shall be announced in the solicitation document, or in an addendum. Unless specified otherwise in the solicitation, pre-offer conferences shall be non-mandatory. Nothing stated at the pre-offer conference shall change the solicitation unless a change is made by written addendum.

2.5 Examination of Site.

When applicable, the Offeror shall examine carefully the site of the proposed work before submitting an offer. The submission of an offer shall be considered as a warranty that the Offeror has made such examination and is satisfied with the conditions to be encountered in performing the work.

(a) Surface and subsurface conditions.

Where subsurface conditions are known to the City in respect to foundation or other design, the Offeror may inspect the records of the City and examine any sample that may be available. Where such information is shown in the plans, said information represents only the statement by the City as to the character of material which has been actually encountered by the City and is included only for the convenience of the Offeror. The City makes no representations as to the conditions which will actually be encountered by the Offeror.

Any subsurface information or hydrographic survey data furnished are for the Offeror's convenience only. The information and data furnished are the product of the Officer-in-Charge's interpretation of the facts gathered in investigations made at the specific locations indicated to aid in the design of the project, and the City assumes no responsibility whatsoever in respect to the sufficiency or accuracy of borings or of the log of test borings or other preliminary investigations, or of the interpretation thereof, and there is no guaranty, either expressed or implied, that the conditions indicated are representative of those existing throughout the work. In addition, no assurance is given that conditions found at the time of the

subsurface explorations, will be the conditions that prevail at the time of construction. The Offeror shall be solely responsible for all assumptions, deductions, or conclusions the Offeror may make or derive from the subsurface information or data furnished.

Making information concerning subsurface conditions available to Offerors is not to be construed in any way as a waiver of the Offeror's responsibility to examine the solicitation document and site. The Offeror must satisfy itself through its own investigations as to conditions to be encountered.

(b) Utilities, underground.

All underground water, gas, oil, telephone, electric, storm drain, sewer, and other pipes or conduits, shown on the plans, are only approximate in their locations. The Offeror shall make a personal investigation and inspection of the records and drawings possessed by owners of the utilities. The Offeror shall make satisfactory arrangements with the owners of the utilities for the relocation, maintenance and protection of existing utilities.

(c) Materials and equipment.

The City does not assume any responsibility for the availability of any materials or equipment required under this contract. Unless otherwise specified in the solicitation, the Offeror shall be considered as having taken into account when submitting an offer, the availability of materials or equipment required under the contract, except as provided for in applicable sections of the City's general conditions.

2.6 Price Items.

- (a) Unless otherwise specified in the solicitation, prices offered shall be based on f.o.b. place of destination and shall include all applicable taxes, freight, delivery, handling and related charges. In the Vendor Self Service (VSS) eProcurement system, when a "Contract Amount" is requested, the Offeror shall enter the line item's lump sum price for the specified goods, services, or construction.
- (b) Unless otherwise specified in the solicitation document, Offerors must provide a price for all items listed in the solicitation.
- (c) When additive/deductive alternates are provided for in the solicitation, Offerors should enter a price for each and every item listed setting forth the amount to be added to or deducted from the Offeror's total basic price should such additive/deductive alternate be incorporated into the contract. Failure to enter a price for each and every item may result in the Offeror's offer not being considered for award, provided that if award is based on

the item or items on which offers have been submitted, the Offeror's offer may be considered for award.

- (d) In case of discrepancy between prices written in words and those written in figures, the price written in words shall govern. Regarding pricing submitted in the Vendor Self Service (VSS) eProcurement system, the price submitted in the system shall govern. Notwithstanding the above, a unit price shall govern over an extended price.
- (e) Offers in which prices are unbalanced, which contain omissions, erasures, alterations, or additions not called for, or irregularities of any kind shall be cause for rejection of an offer.
- (f) Any illegible or otherwise unrecognizable price shall be cause for rejection of an offer.

2.7 Applicable Taxes.

Unless otherwise specified in the solicitation, the Offeror shall include in its unit price and be responsible for paying all taxes, which shall be applicable to the goods, services, or construction or the furnishing and sale thereof. Offerors are directed to contact the Department of Taxation of the State of Hawaii for assistance regarding the applicability of taxes.

2.8 Wages, Hours and Working Conditions.

(a) Services projects

When the offer is in excess of \$25,000 for Services projects and a certification form is made a part of the solicitation, the form shall be completed, signed by the Offeror, and submitted with the Offeror's offer. Failure to submit the required certification may be grounds for disqualification of the Offeror's offer.

The certification form shall be used to certify that, if awarded the contract, the Offeror will comply with HRS §103-55, relating to Wages, hours and working conditions of employees of Contractor supplying services.

The certification form further certifies that the services to be performed will be performed under the following conditions:

- (1) Wages. The services to be rendered shall be performed by employees paid at wages or salaries not less than the wages paid to public officers and employees for similar work.
- (2) Compliance with Labor Laws. Contractor shall be responsible for and comply with all applicable labor laws of the Federal and State governments, including worker's compensation, unemployment compensation, payment of wages and safety standards.

(b) Construction projects

Offerors are advised of the applicability of HRS §104, "Wages and Hours of Employees on Public Works," projects and the City's applicable General Terms & Conditions, unless otherwise stated in the solicitation. Offerors shall incorporate compliance with all the provisions of HRS §104 and the City's applicable General Terms and Conditions into their offer.

(c) Vendor Self Service (VSS) eProcurement System

By submitting a bid in VSS, you are hereby accepting and acknowledging your compliance with the requirements of Section 2.8 and are not required to submit the certification form.

2.9 Insurance and Indemnification.

Offeror shall include in its price all costs to provide insurance and comply with the indemnification provisions as specified in the solicitation. Insurance and indemnification shall be required for all construction projects.

2.10 Performance and Payment Bonds.

Offeror shall include in its price, all costs to meet the bond requirements of a project.

(a) Goods or Services projects

Contract performance and payment bonds shall only be required for Goods or Services projects when specified in the solicitation.

(b) Construction projects

Contract performance and payment bonds shall be required for all Construction projects greater than \$50,000.00 and shall be one hundred percent of the contract amount.

2.11 Bid Security.

When required, Offerors shall provide, at no cost to the City, an offer security. If an offer security is required and an Offeror fails to accompany its offer with an offer security, the offer shall be deemed non-responsive, except as provided in HAR §3-122-223 (d). For solicitations posted on the Vendor Self Services (VSS) eProcurement system, bid security, when required, shall be attached to the offerors electronic bid. The original bid bond shall be provided to the project buyer within five working days from the notification of intent to award. If the offeror fails to comply with this requirement, the offer may be rejected as non-responsive.

- (a) Goods or Services. A bid security shall only be required when specified in the solicitation.
- (b) Construction. A bid security shall NOT be required for Construction projects procured under HRS 103D-305 (RFQ solicitations). Bid security shall be required for all Construction projects procured under HRS 103D-302 and HRS 103D-303 that are $\geq$ \$25,000.00.
- (c) Bid Security Amount. Bid security amount shall be equal to at least five percent of the Offeror's total bid amount.
- (d) An acceptable bid security shall be limited to:
 - (1) Surety bond in the form attached to the solicitation and underwritten by a company licensed to issue bonds in this State. Failure to utilize the City's surety bond forms shall not relieve the Offeror from liability or responsibility if it is discovered that the form utilized is not compliant with the HAR.
 - (2) Legal tender; or
 - (3) A certificate of deposit; credit union share certificate; or cashier's, treasurer's, teller's, or official check drawn by, or a certified check accepted by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, and payable at sight or unconditionally assigned to the Director of The Department of Budget and Fiscal Services, City and County of Honolulu.
 - i) These instruments may be utilized only to a maximum of \$250,000.00.
 - ii) If the required security amount totals over \$250,000.00, more than one instrument not exceeding \$250,000.00 each and issued by different financial institutions shall be accepted.

2.12 Brand Names, Model, Make or Method.

Where the solicitation document specifies one or more manufacturer's brand names or makes of materials, devices, equipment or system; it is indicating a quality, style, appearance, or performance, or method of construction. The Offeror shall base its offer on one of the specified brands, makes, or method, or on an alternate brand, make, or method which has expressly been found to be equal or better by the City in the solicitation or by written addendum to the solicitation.

If any item, make and model or part number listed in the solicitation is discontinued or made obsolete by the manufacturer, it is the offerors responsibility to provide the specified make and model number or offer an equal substitution for the item. Offeror shall follow the procedures set forth in 2.18 "Request for Substitution."

2.13 Supplemental Requirements for Construction Projects.

(a) Estimated Quantities

Unless otherwise specified, all quantities appearing in solicitation document for construction projects are approximate and are prepared for the comparison of offers only. The City does not, expressly or by implication, warrant that the actual quantities will correspond therewith. Offeror shall include in its prices offered, the entire cost of the performance of the contract, and it is understood and agreed that there is included in each lump sum or unit priced item, the entire cost of any and all items incidental to the performance of the work covered by such lump sum or unit priced item. When an Offeror is in doubt as to the proper item to which the anticipated cost of any item is to be allocated, the Offeror shall request clarification from the City, or shall include such cost in the lump sum or unit price offer for the item deemed most appropriate. Failure of the Offeror to request clarification shall bind the Offeror to complete such work at the prices submitted.

- (1) Unit priced items: For unit priced items, payment to the Contractor will be made only for the actual quantities of work performed and accepted or of materials furnished and accepted in accordance with the solicitation document and subject to applicable sections of the City's General Terms and Conditions.
- (2) Lump sum items: The quantities in any item for a lump sum offer item are approximate only and payment will be made only for the item in place complete, regardless of the amount of material, equipment, and labor necessary to complete the same in a proper and professional manner and in accordance with the contract documents. The Offeror shall verify these quantities in any manner deemed necessary or expedient.

(b) Joint Contractor; Subcontractor Listing

For RFB solicitations, offeror shall comply with HRS §103D-302, relating to the listing of joint contractors or subcontractors.

Specialty work. Joint contractors and subcontractors may perform only the specialty work for which they are listed. When additive/deductive alternates are made a part of the offer, Offeror shall indicate, if applicable, the additive/deductive alternate and the basic work to be performed by each joint contractor or subcontractor.

A listing that is incomplete, ambiguous, or erroneous may be cause for rejection of an offer. Offers which are not in compliance may be accepted if the City concludes that acceptance is in the best interest of the public and the value of the work to be performed by the joint contractor or subcontractor is equal to or less than one percent of the total sum offer amount.

A subcontractor listing is not required for procurements made in accordance with HRS 103D-305 (RFQ solicitations).

(c) Allowances

Any allowance amount specified in the solicitation shall be considered an estimate of the amount required and shall be included in the Offeror's total sum offer. Offerors shall refer to the applicable sections of the City's General Terms and Conditions regarding Allowances for more information.

(d) Mobilization

Offerors shall refer to the applicable sections of the City's General Terms and Conditions regarding mobilization for more information.

(e) Employment of State Residents on Construction Projects.

Unless otherwise stated in the solicitation, offerors are advised of the applicability of HRS §103B, Employment of State Residents on Construction Procurement Contracts. HRS §103B requires the awarded Contractor to ensure that Hawaii Residents compose not less than eighty percent (80%) of the workforce employed to perform the contract. This requirement shall apply to subcontracts of \$50,000.00 or more in connection with any construction contract procured under HRS §103D.

(f) Safety and Health Certification

Pursuant to HRS 396-18, all bids and proposals in excess of \$100,000 for state construction jobs as defined in section 103D-104 shall include a signed certification from the offeror that a written safety and health plan for the job will be available and implemented by the notice to proceed date of the project. Pursuant to HRS 489E, Uniform Electronic Transactions Act, submittal of an electronic bid in excess of \$100,000 shall be deemed to be this signed certification.

2.14 General Terms & Conditions.

The City's General Terms and Conditions shall be either incorporated by reference or by attachment to the solicitation. Offers submitted with any alterations to the City's General Terms and Conditions so made by the Offeror without approval by the City may be sufficient cause for rejection of the offer.

2.15 Source Selection for Federal Grants.

The City may solicit a Request for interest for the sourcing of federal grants pursuant to the requirements of HAR §3-122-16.31.

2.16 Multi-Step Competitive Sealed Bidding.

The City may solicit offers using the multi-step competitive sealed bidding method of source selection pursuant to HAR §3-122, Subchapter 6.5.

Solicitations using this method use two phases:

(a) Phase One

Phase One is conducted in accordance with HAR §3-122, Subchapter 6, with the exception of rules relating to the priced offer. Offerors submit unpriced technical proposals to be evaluated on criteria specified in the solicitation. The City may conduct discussions to clarify the unpriced technical proposals. If the priced offer is specified to be submitted in Phase One, they shall be submitted in a separately sealed envelope and will only be considered in Phase Two from offerors whose unpriced technical proposals are determined to be acceptable in Phase One.

(b) Phase Two

Phase Two is conducted in accordance with HAR §3-122, Subchapter 5, except as set forth in HAR §3-122, Subchapter 6.5. Offerors whose unpriced technical proposals are determined to be acceptable will have their sealed price offers opened (if required to be submitted in Phase One) or be requested to submit a sealed priced offer.

2.17 Request for Clarification.

If a prospective Offeror believes that any of the matters in, or related to, the solicitation are not sufficiently described or explained in the solicitation, or that any discrepancy exists between different parts of the solicitation, or that the full intent of the solicitation is not clear, then the Offeror shall submit a written request for clarification no later than the deadline stated in the solicitation document. The City is not obligated to respond to any request received after the deadline. In the Vendor Self Service (VSS) eProcurement system, the City will not respond to inquiries posted on the VSS Bulletin Board or Q&A list page of the solicitation.

Written request for clarifications shall be e-mailed to bfspurchasing@honolulu.gov or mailed hardcopy to:

City and County of Honolulu
Budget and Fiscal Services
Purchasing Administrator
530 South King Street, Room 115
Honolulu, Hawaii 96813

2.18 Request for Substitution.

Alternate brands, makes, methods and/or packaging may be qualified through the submittal of a written request for substitution for review and approval. An alternate brand, make, or method approved for one procurement or project is not to be considered as approved for any other procurement or project. Offeror shall submit a written request for substitution no later than the deadline stated in the solicitation document. Requests received after the deadline will be denied.

(a) Goods or Services projects.

The written request for substitution must state all features of the proposed substitution that differ from the brand, model, make, method, and/or packaging specified in the solicitation. The written request shall also include sufficient evidence to enable the City to evaluate each feature.

Written request for substitution shall be e-mailed to bfspurchasing@honolulu.gov, or mailed hardcopy to:

City and County of Honolulu
Budget and Fiscal Services
Purchasing Administrator
530 South King Street, Room 115
Honolulu, Hawaii 96813

(b) Construction Projects

The written request must be clearly marked SUBSTITUTION REQUEST on the envelope. Unless otherwise stated in the solicitation, six copies of the request must be submitted together with three sets of technical brochures which shall either be marked or be accompanied by three copies of a statement of variances. The statement of variances must list all features of the proposed substitution which differ from the solicitation, and must further certify that the substitute has no other variant features. The brochures must include sufficient evidence to enable the City to evaluate each feature listed as a variance. Should an unlisted variance be discovered after installation or delivery of the item, the Contractor shall immediately replace the item with the specified item at no cost to the City and without any extension to the contract completion time.

The written substitution request shall be submitted in the following format:

<u>SECTION</u>	<u>ITEM</u>	<u>SPECIFIED</u>	<u>SUBSTITUTE</u>	<u>VARIANCE</u>
----------------	-------------	------------------	-------------------	-----------------

(For a sample request form refer to General Terms and Conditions Exhibit P.)

If sufficient evidence to make a determination of acceptability of the proposed substitute does not accompany a request for substitution, the request shall be rejected unless the City allows further evidence to be submitted to qualify the same model and provided that such evidence is submitted prior to the specified deadline.

Substitution requests not complying with the above requirements may be rejected.

Any Offeror whose offer is based on a substitute item which has been approved by the City shall include in its price offer the additional cost required for all modifications in the contract and the cost of all additional diagrams and drawings required to accommodate the substitute item. The modifications referred to include the changes in design that may be required.

Written request for substitution shall be submitted by person, or mailed hardcopy to:

City and County of Honolulu
Budget and Fiscal Services
Purchasing Administrator
530 South King Street, Room 115
Honolulu, Hawaii 96813

(c) Approval and Rejection of Request for Substitution

All requests for substitution submitted prior to the deadline will be responded to.

- (1) Approval of Request for substitution.
The City will publish all products approved for substitution via addendum.
- (2) Rejection of a Request for substitution.
The City will provide offerors who submit a request for substitution that is rejected a letter detailing the rejection and/or post the rejection in an addendum.

2.19 Solicitation Addenda.

(a) Written Addendum

Oral interpretations or clarifications or changes or approved substitutions will be without legal effect. Only interpretations or clarifications or changes or approved substitutions provided by formal written addendum to the solicitation shall be binding.

(b) Notification of Addenda

- (1) In the Vendor Self Service (VSS) eProcurement system, when an addendum is issued, email notifications will be sent to all offerors registered under the solicitation's specified commodity class.
- (2) For all other RFB solicitations, notifications of addenda will be issued to all prospective Offerors that downloaded the solicitation document from the City.
- (3) For RFPs, if the addendum is issued after the receipt of proposals, notifications will be sent to those Offerors who submitted proposals or who are "priority listed."

(c) Modification to Price Items

It shall be the responsibility of the Offeror to modify or withdraw its offer based on compliance with addenda.

2.20 Cancellation of Solicitation.

A solicitation may be canceled in whole or in part and at any time per HAR §3-122-96.

CHAPTER 3.0: PREFERENCES

This chapter may not apply to Federally funded procurements.

3.1 Applicability of Preferences.

The Apprenticeship preference may apply to solicitations in accordance with HRS §103-55.6.

All other preferences shall only apply to a solicitation when:

- (a) An offer form or certificate for the preference is included in the solicitation document; and
- (b) The solicitation indicates the applicability of the preference in the solicitation's offer pages, special instructions or special provisions.

3.2 Evaluation of Preferences.

- (a) The evaluation of preferences shall be in accordance with HRS §103D Part X and HAR §3-124.
- (b) Evaluation procedure and contract award. Solicitations allowing more than one preference shall be evaluated and awarded in accordance with HAR §3-124-25.

- (c) Preferences shall be for evaluation purposes only. The award contract amount shall be the amount of the offer, exclusive of any preference.

CHAPTER 4.0: OFFER

4.1 Preparation of Offers.

- (a) All offers shall comply with the following:
 - (1) Shall not include samples or descriptive literature unless expressly requested. Any unsolicited samples, descriptive literature, or attachments will not be examined or tested, and will not be deemed to vary any of the provisions of the solicitation.
 - (2) All costs to prepare and submit an offer shall be at the Offeror's expense. The City will not reimburse any offer costs or any best and final offer costs incurred by any Offeror, any prospective Offeror, or any other person.
 - (3) An offer shall be submitted by an individual, member, officer, or agent of the Offeror legally qualified and authorized to do so.
 - (4) Time is of the essence and the time for delivery is a part of the response and must be adhered to. Time, stated in the number of days, shall mean "calendar" days, and shall include weekends and holidays.
- (b) Offers for solicitations that were posted in the Vendor Self Service (VSS) eProcurement system shall comply with HRS §489E. The Offeror's submission of an electronic offer confirms that the Offeror:
 - (1) Intends to be bound by the offer.
 - (2) Agrees to all terms, conditions, and provisions of the solicitation.
 - (3) In accepting the electronic terms, the offer is deemed equal to a signed certification.
- (c) Offers for all other solicitations shall comply with the following:
 - (1) Shall be prepared using the solicitation documents provided by the City.
 - (2) Shall be prepared in ink or typewritten. Errors may be erased or crossed out, and corrections typewritten or printed in ink but must be initialed in ink by the person or persons signing the offer.
 - (3) Shall be signed in ink by the individual if offering as a sole proprietor, by one or more members of a partnership, by one or more members or officers of each entity in a joint venture, by one or more officers of a corporation, or by an agent of the Offeror legally qualified and acceptable to the City.

- (d) Pursuant to HAR §3-122-21(4)(B), space is provided in solicitations for: brand name, model number and/or packaging. Offerors who leave these fields blank (physically and electronically) certify, by submitting their offer, that they are providing as specified. An offeror who inputs a brand name, model number, and/or packaging that is not pre-approved or approved during the solicitation may have their bid rejected as non-responsive. This paragraph shall not apply to service solicitations.

4.2 Certificate of Acceptance of Solicitation Requirements.

The Certificate of Acceptance of Solicitation Requirements when made a part of the solicitation shall be completed, signed by the Offeror, and submitted with the Offeror's offer. Failure to submit the required certification may be grounds for disqualification of the Offeror's offer.

The Offeror shall sign the Certificate of Acceptance of Solicitation Requirements to acknowledge that the Goods, Services, or Construction provided by the Offeror are in compliance with the Scope of Work specified in the solicitation. Deviations from the specified Scope of Work shall only be allowed by the approval of the City unless otherwise specified in the solicitation.

By submitting a bid in Vendor Self Service (VSS) eProcurement system, you are hereby accepting and acknowledging your acceptance of solicitation requirements and are not required to submit the certification form.

4.3 Certificate of Cost or Pricing Data.

When an offer in response to a Request for Competitive Sealed Proposal (RFP) solicitation is in excess of \$100,000.00, the Offeror shall certify that the offer's cost or pricing data is accurate, complete, and current. Failure to submit the required certification may be grounds for rejection of the offer.

4.4 Proprietary or Confidential.

Offeror shall clearly label any proprietary information as confidential. Any information labeled as confidential will remain confidential to the extent provided by law. Offers submitted to the City shall become the property of the City.

4.5 Offer Submission.

- (a) Offers for solicitations that were posted in the Vendor Self Service (VSS) eProcurement system: The offeror shall submit its offer electronically within the VSS system. Unless otherwise specified, the City shall only consider offers submitted in the VSS system for award. Offerors shall be responsible for registration and successful response submittal in VSS.
- (b) Offers for all other solicitations: If the solicitation specifically requires hard copy offers, the offer should be sealed in an envelope. The solicitation

number, Offeror's name and address, and closing date of the solicitation should be printed on the outside of the envelope. The offer envelope must be time stamped and deposited at the Division of Purchasing.

4.6 Modification or Withdrawal of Offers.

An offer may be modified or withdrawn prior to the solicitation's close date and time.

CHAPTER 5.0: OPENING OF BIDS AND REGISTRATION OF PROPOSALS

5.1 Public bid opening of RFB and RFQ solicitations.

- (a) Opening for RFB and RFQ solicitations that were posted in the Vendor Self Service (VSS) eProcurement system: After the solicitation's close date and time has passed, a bid tabulation will be available on the solicitation's detail page in VSS.
- (b) Opening for all other RFB solicitations: The opening of offers shall be by a representative of the City, at the date and time stated in the solicitation, in the presence of all Offerors who attend. The opened offers shall be available for public inspection at the time of offer opening except to the extent that the Offeror designates trade secrets or other proprietary data to be confidential. Offerors shall ensure that material so designated as confidential shall be readily separable from the offer in order to facilitate public inspection of the non-confidential portion of the offer. Prices and makes and model or catalogue numbers of items offered, deliveries, and terms of payment shall be publicly available at the time of offer opening regardless of any designation to the contrary.

5.2 Opening of RFP Solicitations.

After the RFP submittal due date, proposals shall not be publicly opened. Proposals shall be open to public inspection after the notice of award has been posted.

If the RFP required submitting physical proposals they shall be opened in the presence of two or more procurement officials.

5.3 Late Offers and Late Modifications.

The City shall not accept offers and modifications after the solicitation close time and date.

5.4 Time for Acceptance of Offer.

Unless otherwise stated in the solicitation, an offer may be withdrawn only if the City fails to award the contract within:

- (a) For City-funded projects or projects funded in whole or in part by the federal government; within sixty (60) days of the deadline for offers;
- (b) For projects funded in whole or in part by the State, within one hundred fifty (150) days of the deadline for offers; and
- (c) For improvement district projects, within three hundred (300) days of the deadline for offers.

CHAPTER 6.0: EVALUATION OF OFFERS

6.1 Waiver of Informalities.

The City may waive or accept minor informalities, mistakes or other defects in accordance with HAR §3-122-31.

6.2 Multiple or Alternate Offers.

Unless specifically provided for in the solicitation, multiple or alternate offers by the same offeror shall not be accepted and all such offers shall be rejected.

An offeror shall be considered to have submitted more than one offer if such offeror submits more than one offer under the same Taxpayer Identification Number (FEIN or SSN), same name, or through agents, or through joint ventures, partnerships or corporations in which such person has more than a twenty five percent interest in each of them, or through any combination thereof.

6.3 Conditioned Offers.

Offers that are conditioned may be deemed nonresponsive and rejected.

6.4 Limiting Acceptance to Entire Offer.

An Offeror may not limit acceptance to the entire offer, unless allowed by the solicitation:

- (a) If the acceptance of an offer is so limited by the Offeror but not allowed, the offer will be determined to be not acceptable and rejected.
- (b) If the acceptance of an offer is so limited by the Offeror and allowed, the purchasing agency shall not reject part of the offer and award on the remainder.

6.5 Anti-competitive Practices.

If there is any evidence indicating that two or more Offerors are in collusion to restrict competition or have otherwise engaged in anti-competitive practices relating to the procurement, the offers of all such Offerors shall be rejected and such evidence may be a cause for their suspension or debarment.

6.6 Suspended or Debarred List.

No contract will be awarded to any Offeror suspended or debarred by the Federal, State or City.

6.7 Unauthorized Communications

Except as otherwise authorized in the solicitation, offerors shall not communicate with the Contracting Officer, any member of an Evaluation Team or Selection Committee appointed by the Contracting Officer, or any other City officer, employee or agent directly serving the procurement activity.

6.8 Rejection of Offers.

The City reserves the right to reject any or all offers when in the City's opinion; such rejection will be in the best interest of the City. Offers may be rejected for the following reasons:

- (a) Offeror lacks sufficient experience to perform the work contemplated;
- (b) Offeror does not possess proper license, if required to cover the type of work contemplated, at the time of the offer submittal due date, unless otherwise specified in this solicitation;
- (c) Offeror who has uncompleted work on contracts in force, or a record of unsatisfactory work performance or delays on completed contracts or on contracts in force which, in the judgment of the City, might hinder or prevent the prompt completion of additional work if awarded;
- (d) Offeror who has complaints filed for abusive or threatening language or behavior during previous contracts toward any City Officer-in-Charge or his/her representative;
- (e) Offeror who has had a previous contract terminated for default by the City;
- (f) Offeror who has failed to comply or is delaying compliance with the requirements for final inspection or final payment of the City's General Terms and Conditions for any contract in force;
- (g) Offeror is determined to be non-responsible;

- (h) Offeror fails to pay, or satisfactorily settle, all bills overdue for labor and material on former City contracts prior to the offer submittal due date;
- (i) The Offeror assisted in developing or preparing the specifications or work statements.
- (j) The offer does not conform in all material respects to the requirements of the solicitation.
- (k) The proposed price is clearly unreasonable.

6.9 Cost Analysis Data

The City reserves the right to request cost data. Pursuant to HAR §3-122-35, this cost data will be used to determine if an offer is fair and reasonable. Information provided by the Offeror shall remain confidential and proprietary in accordance with HRS §92F-13(3).

CHAPTER 7.0: DISCUSSION & BEST AND FINAL OFFER

This chapter shall apply only to Request for Competitive Sealed Proposals (RFP) solicitations.

7.1 Priority Listed Offers.

The City may establish a Priority List consisting of at least three (3) Offerors. Those Offerors who are selected for the priority list are referred to as the "Priority-Listed Offerors (PLO)." The City will not publicly identify the PLO firms prior to the public posting of the notice of award.

When soliciting using a Design Build RFP, the three responsible, most qualified offerors shall be short-listed as PLO and notice will be given to all offerors as to which offerors are short-listed.

If the City issues addenda after the PLO firms are determined, the City will issue the addenda only to the PLO firms.

7.2 Discussions.

Discussions will be limited to only Priority-Listed Offerors (PLO). PLOs shall be accorded fair and equal treatment with respect to any opportunity for discussions and revisions of offers; however, offers may be selected without such discussion.

New proposals or amendments to the existing solicitation that, in the City's sole judgment, significantly change the nature of the procurement will not be permitted. Should the City believe it is in its best interest to go forward with a

significant change, then the solicitation may be cancelled and a new solicitation may be issued.

Non-Disclosure of offer contents. The contents of any offer shall not be disclosed so as to be available to competing Offerors during the discussion process.

7.3 Best and Final Offer (BAFO).

The City reserves the right to issue a request for Best and Final Offers (BAFOs). However the City is under no obligation to do so. The City may make its selection and Award based on the initial offers submitted.

If BAFOs are requested, the City shall inform the PLO firms and allow/request revised offers, including correction of any weaknesses, minor irregularities, errors, and/or deficiencies identified by the City. Adequate time shall be provided to PLO firms to revise their offers. Upon receipt of the BAFOs, the City will repeat the evaluation process. The evaluation process will consider the revised information, re-evaluate, and revise scores as appropriate.

CHAPTER 8.0: AWARD

8.1 RFB and RFQ Solicitations.

(a) Additive or Deductive Alternates

In the event additive or deductive alternates are included in the solicitation, the lowest offer will be determined after adding to or deducting from the total basic price, the alternate or alternates considered for award. Alternates, if any are awarded, shall be awarded in the order listed in the offer. Award of alternates shall be dependent upon the availability of funds.

(b) Low Tie Bids

In the case low tie bids from responsible and responsive Offerors are received, award may be made by the drawing of lots.

8.2 Exceeding Available Funds.

In the event all offers exceed available funds and where time or economic considerations preclude re-solicitation of a reduced scope of work, the City may negotiate an adjustment of the offer price, including changes in the solicitation requirements, with the lowest priced responsive and responsible Offeror, to bring the offer within the amount of available funds.

8.3 Verification of Responsibility of Offeror.

Prior to the award of the contract, the successful Offeror shall be registered as "Compliant" on the State of Hawaii Compliance Express System (<http://vendors.ehawaii.gov>) or submit the required tax clearances from the State Department of Taxation and Internal Revenue Service, the Certificate of Compliance with the State Department of Labor and Industrial Relations, and the Certificate of Good Standing with the Department of Commerce and Consumer Affairs Business Registration Division. The City may reject the offer if the Offeror fails to provide proof of compliance within the time permitted by the City. Offeror shall meet all licensing requirements of the solicitation.

8.4 Execution of Contract.

Upon notification of award, the successful Offeror shall obtain the contract from the Division of Purchasing, Department of Budget and Fiscal Services, for execution. The contract document shall be returned within ten days from the date of notification of the award, or within such time as the City may allow.

Failure to enter into the contract and to furnish satisfactory security, when required, may be cause for cancellation of the Offeror's award and forfeiture of the Offeror's offer security, if any, as liquidated damages and not as a penalty.

The contract documents are to be completed and executed by the Offeror in the following manner:

(a) Notarization

Signatures appearing on the contract forms and bond forms (if applicable) must be notarized by a notary public.

(b) Authorization

The City may require, in the case of a corporation, a corporate resolution authorizing the person(s) signing to execute the contract and bond. The City may require, in the case of a joint venture or partnership, a power of attorney authorizing the person(s) signing to execute the contract and bond. The surety, if applicable, may also be required to attach its corporate resolution or power of attorney authorizing the person(s) signing to execute the bond.

(c) Performance and Payment Bonds

Performance and payment bonds, if required, shall be delivered at the same time the contract is executed. Performance and payment bonds shall be in conformance with HAR §3-122-221, §3-122-222 and §3-122-227.

(d) Evidence of Insurance Coverages

If insurance coverages are required by the solicitation, evidence of insurance coverages shall be delivered at the same time the contract is executed.

8.5 Awards of Less than \$100,000 and \$250,000.

On any individual award totaling less than \$100,000 for Goods or Services and less than \$250,000 for construction, the City reserves the right to award the contract by Purchase Order. The purchase order shall be performed in accordance with the terms set forth in the solicitation.

8.6 Cancellation of Award.

The City reserves the right to cancel the award of any contract any time before the City signs the contract.

CHAPTER 9.0: DEBRIEFING, PROTEST, SUSPENSION AND DEBARMENT

9.1 Debriefing.

Debriefing shall apply only to Request for Competitive Sealed Proposal (RFP) solicitations. A written request for a debriefing shall be made within three (3) working days after the posting of the award.

9.2 Authority to Resolve Protested Solicitations and Awards.

The City shall resolve complaints and protest of awards in accordance with HAR §3-126-1 and HRS §103D-701.

9.3 Authority to Debar or Suspend.

The City may debar or suspend an Offeror for cause from consideration for award of contracts in accordance with the provisions of HRS §103D-702, and HAR §3-126-2.

9.4 Solicitation or Award in Violation of Law.

If a solicitation or award is found to be in violation of law, it shall be resolved in accordance with HAR §3-126-4.

SPECIAL INSTRUCTIONS TO OFFERORS

1. OFFEROR'S STATEMENT OF QUALIFICATIONS (OSOQ):

The purpose of the evaluation of the OSOQ is to ensure the Contractor has the capability to perform the contract requirements, and the integrity and reliability that will assure good faith performance.

Offeror must be properly licensed at the time of the OSOQ submittal pursuant to HRS Chapter 444-9.

A. Submittal Requirements:

- All Offerors must submit an OSOQ.

It is highly encouraged that an OSOQ be submitted by the "Requested by date for Offeror's Statement of Qualifications" as indicated in the Solicitation Schedule and Significant Dates table in order for the City to expedite the review of the OSOQs, however, OSOQs will still be accepted up until the "Bid Opening" date and time in the Solicitation Schedule and Significant Dates table.

- Offerors are responsible for providing all requested information. The City, at its discretion, may ask for clarification or additional information after an OSOQ submittal.
- OSOQs shall be typed or legibly handwritten and paginated.
- An original hardcopy of the OSOQ shall be submitted to:
Purchasing Administrator
City and County of Honolulu
Department of Budget and Fiscal Services
Division of Purchasing
530 South King Street, Room 115
Honolulu, Hawaii 96813

Please notate the solicitation number and the project name on the envelope, and identification that envelope contains OSOQ. A sample Submittal Outline for what should be submitted is provided below. This Outline is for guidance purposes only.

1) Offeror Information:

- a) Name and Contact Information
- b) Class "A" General Engineering Contractor license number
- c) Primary place of business
- d) Location of office responsible for specified work
- e) Staff size and composition

- 2) Completed Contract Data Sheet (Attachment 1) and Performance Evaluation Questionnaire (Attachment 2) for each relevant contract [minimum of one (1) relevant contract required], with the following associated documentation attached:

- a) Evidence of completion or substantial completion
- b) Quality awards and letters of appreciation/commendation (if available)

A relevant contract is defined in Attachment 1.

Note: One (1) set of Attachments for each relevant contract; minimum one (1) set.

- 3) Joint Venture Requirements:
 - a) If the Offeror is a joint venture, include evidence of a binding joint venture agreement or other contractual agreement, which creates legal responsibility on the part of all contractors in the joint venture.
 - b) If the Offeror intends to rely on its joint venture partner's experience, include a completed Contract Data Sheet (Attachment 1) and Performance Evaluation Questionnaire (Attachment 2) for each of the joint venture partner's relevant contracts.

B. City's Evaluation of OSOQs:

OSOQs will be evaluated based on the following factors: Experience (Factor 1) and Past Performance (Factor 2). Offeror must receive an "acceptable" rating for both factors. Failure to receive an "acceptable" rating for any factor may result in a rejection of offer.

Offeror shall provide information for a minimum of one (1) relevant contract that is completed or substantially completed during the period listed on Attachment 1. Offeror shall complete one (1) Contract Data Sheet (Attachment 1) and one (1) Performance Evaluation Questionnaire (Attachment 2) for each relevant contract. Information submitted in any other format will not be considered.

Only information provided by the Offeror will be evaluated. The provision of thorough and complete information is the responsibility of the Offeror. Failure to provide all requested information shall constitute cause for elimination of a relevant contract from consideration in evaluation, which may result in an "unacceptable" rating for a factor.

- FACTOR 1: EXPERIENCE

One (1) Contract Data Sheet (Attachment 1) shall be completed for each relevant contract. Information provided on the Contract Data Sheet shall clearly demonstrate the Offeror's ability to meet the requirements of the project based on its similar experience in the relevant contracts. Only the experience relating to the relevant contracts will be considered.

Relevant contracts shall have a similar scope of work to the specified project.

The Offeror shall provide a narrative description of each relevant contract on the Contract Data Sheet. The narrative shall clearly explain how the relevant contract fulfills the experience characteristics listed below.

The Contract Data Sheet submitted should demonstrate the Offeror's experience in one (1) or more of the following characteristics for each relevant contract:

- 1) Characteristic No. 1: Contract amount is equal or greater than the estimated cost of the specified project.
- 2) Characteristic No. 2: Contract is with a government entity.

Relevant contracts with estimated or variable quantities of goods or services may be submitted only if a single task order involves at least one (1) of the characteristics listed. Task orders may not be combined in order for the contract to meet the criteria for relevancy. The submitted task order must meet the substantially complete date criteria stated above.

Evaluation Standards for Factor 1: EXPERIENCE

Acceptable: The Offeror submitted completed Contract Data Sheets for at least one (1) relevant contract that is completed or substantially completed during the period listed on Attachment 1; and the Offeror demonstrated experience in at least one (1) of the two (2) characteristics listed above for at least one (1) relevant contract.

Unacceptable: The Offeror failed to submit a completed Contract Data Sheet for at least one (1) relevant contract that is completed or substantially completed during the period listed on Attachment 1 ; or the Offeror failed to demonstrate experience in at least one (1) of the two (2) characteristics for at least one (1) relevant contract; or the Offeror failed to provide sufficient information to establish the relevancy of the submitted contracts.

- **FACTOR 2: PAST PERFORMANCE**

One (1) Performance Evaluation Questionnaire (Attachment 2) shall be completed for each relevant contract. Information provided shall clearly demonstrate the Offeror's ability to meet the requirements of the project based on its documented past performance of the relevant contracts. Only the documented past performance relating to the relevant contracts will be considered.

The Offeror shall complete Part A of Attachment 2 for each relevant contract. The Offeror shall then have the contract Respondent or equivalent complete Part B of Attachment 2 for each relevant contract. Respondent is defined as the representative of the Organization that the Offeror has a contract with.

The City reserves the right to contact the listed Respondent to validate the information submitted. Performance Evaluation Questionnaires (Attachment 2) that are missing the Respondent's response (Part B) will not be considered.

Evaluation Standards for Factor 2: PAST PERFORMANCE

Acceptable: The Offeror submitted a completed Performance Evaluation Questionnaire for one (1) or more relevant contracts that are completed or substantially completed during the period listed on Attachment 1 ; and the Offeror was rated with no more than one (1) performance element being "Marginal" or "Unsatisfactory" in its OSOQ.

Unacceptable: The Offeror submitted a completed Performance Evaluation Questionnaire for fewer than one (1) relevant contract that is completed or substantially completed during the period listed on Attachment 1; or the Offeror was rated "Marginal" or "Unsatisfactory" on more than one (1) performance element in its OSOQ; or an Offeror was rated "Marginal" or "Unsatisfactory" on any City Contractor Performance Evaluation within the past five (5) years.

C. Notification:

- OSOQ's received by the "Requested by date for Offeror's Statement of Qualifications" as indicated in the Solicitation Schedule and Significant Dates table will be reviewed by the City and notification of the City's determination will be made by email and/or mail to the Offeror.
- If an OSOQ is received after the "Requested by date for Offeror's Statement of Qualifications" but PRIOR to or at the time of "Bid Opening" as indicated in the Solicitation Schedule and Significant Dates table, the OSOQ will still be reviewed by the City and notification of the City's determination will be made by email and/or mail to the Offeror.
- An OSOQ received after "Bid Opening" will not be reviewed and will be returned and may result in a rejection of offer.

**THIS PAGE AND THE FOLLOWING ATTACHMENTS
SHALL BE DETACHED FROM THE
SOLICITATION DOCUMENT AND SUBMITTED AS THE
OFFEROR'S STATEMENT OF QUALIFICATIONS.**

Complete Attachments 1 and 2 for each relevant contract.
(Make copies as necessary)

Complete the following:

Business Name of Offeror (Legal Name):

Point of Contact Name:

Contact Business Phone Number:

Contact Business Email Address:

Class "A" General Engineering Contractor license number:

Primary place of business:

Location of office responsible for specified work:

Staff size and composition:

Offeror's Statement of Qualifications

CONTRACT DATA SHEET
(for Factor 1 of Evaluation)

The data provided by the Offeror on this form will be evaluated as supporting information for the Offeror's Experience. Use this form to document relevant contracts. Complete one (1) form for each relevant contract.

Type of Contract (i.e. firm-fixed, price, cost reimbursable, IDIQ, etc.): _____

Characteristic No.	Characteristic	Met	Not Met
1	Contract has a similar scope of work to the specified project.		
2	Contract amount is equal to or greater than the estimated cost of the specified project.		
3	Offeror is the prime contractor.		
4	Contract is with a government entity.		

ATTACHMENT 1 (CONTINUATION)

Reference Contract Number: _____

Contract Award Date: _____

Award Amount: _____ Final Contract Price: _____

Original Completion Date: _____ Actual Completion Date: _____

Attach evidence of substantial completion to this form.

Was Offeror the Prime Contractor?

☐ Yes ☐ No If No, Prime Contractor was: _____

Percentage of Contract Performed by

Offeror: _____

Type/Scope of Work Performed by the Offeror: _____

Quality Awards and Letters of Appreciation/Commendation

List documents below and attach to this form:

Describe any other factors relevant to experience or past performance on this contract that demonstrate the Offeror's capabilities and qualifications in relation to the specified project:

End User (Agency): _____

Point of Contact (Name & Title): _____

Phone Number: _____ Cell Number: _____

Email Address: _____

ATTACHMENT 2

PERFORMANCE EVALUATION QUESTIONNAIRE (for Factor 2 of Part I: Non-Priced Qualifications)

Solicitation No. RFB-DDC-1968607

Complete one (1) form for each relevant contract.

PART A (to be completed by Offeror)

Offeror's Name: _____

Contract Number: _____

Contract Title: _____

Location: _____

Contract Description: _____

Contract Award Date: _____

Award Amount: _____ Final Contract Price: _____

Original Completion Date: _____ Actual Completion Date: _____

Percentage of Contract Performed by

Offeror: _____

Type/Scope of Work Performed by the Offeror: _____

PART B (to be completed by Respondent and returned to the Offeror)

Received: _____
(Signature of Respondent)

Organization Name: _____

Respondent Name: _____ Respondent Title: _____

Respondent Phone Number: _____ Respondent E-mail: _____

Respondent Role in Contract: _____

ATTACHMENT 2 (CONTINUATION)

Reference Contract Number: _____

Alternate Point of Contact

Name: _____

Phone: _____ E-mail: _____

Name(s) and phone number(s) of any additional person(s) who may have an opinion on this contractor's job performance:

1. Describe any special conditions affecting the work:

ATTACHMENT 2 (CONTINUATION)

2. For each of the elements listed below, indicate a rating by checking off one of the appropriate columns and provide supporting narrative in the Remarks section.

EVALUATION OF PERFORMANCE ELEMENTS	CONTRACT NUMBER					
N/A = NOT APPLICABLE; O = OUTSTANDING; A = ABOVE AVERAGE; S = SATISFACTORY; M = MARGINAL; U = UNSATISFACTORY						
	N/A	O	A	S	M	U
QUALITY CONTROL						
EFFECTIVENESS OF MANAGEMENT						
TIMELY PERFORMANCE						
LABOR STANDARDS COMPLIANCE						

REMARKS (Explanation of each unsatisfactory and marginal, or outstanding, evaluation is requested. Please provide facts concerning specific events or actions to justify the evaluation in sufficient detail to assist in determining the contractor's responsibility and associated performance. Other comments are optional):

RFB-DDC-1968607

OFFER

Offeror's Legal Business Name

Director of Budget and Fiscal Services
Department of Budget and Fiscal Services
City and County of Honolulu
Honolulu, Hawaii 96813

The undersigned hereby proposes and agrees, if this Offer is accepted, to furnish and pay for all labor, materials, tools, equipment, and incidental work necessary to construct or install, in place complete, the work called for under and in accordance with the true intent of the Contract Documents for:

**INDEFINITE DELIVERY / INDEFINITE QUANTITY CONTRACT
SWIMMING POOL TILE AND PLASTER IMPROVEMENTS – PHASE 1**

JOB NO. 26-P-12

on file in the Office of the Division of Purchasing, Department of Budget and Fiscal Services, City and County of Honolulu, and that the undersigned will take in payment therefore, the unit and/or unit sum prices itemized in the following Offer Schedule. It is reemphasized that all items in the Offer Schedule shall be considered as in place complete, in every respect.

Basic Bid

Item No.	Estimated Quantity	Description	Detail #	Unit Price	Total Amount
1.	20	Mobilize and demobilize for one project site. Transport equipment to and from a single project site.	-	\$_____.____ per Site	\$_____.____
2.	105,300 Square Feet	Remove and replace field tiling: Pool sides and bottom	1,3,4/ SKS-16 1,2,4/ SKS-17	\$_____.____ per Square Foot	\$_____.____
3.	18,100 Square Feet	Remove and replace lane tiling: Lane markers	3/SKS-17	\$_____.____ per Square Foot	\$_____.____
4.	49,700 Square Feet	Remove and replace plaster	2,3/ SKS-16 1,2,4/ SKS-17	\$_____.____ per Square Foot	\$_____.____
5.	8,700 Square Feet	Spalling under tile (5% estimated quantity)	SKS-12	\$_____.____ per Square Foot	\$_____.____
6.	100 Square Feet	Spalling under coping	SKS-13	\$_____.____ per Square Foot	\$_____.____
7.	20	Spalling at stair handrail base	SKS-14	\$_____.____ per Repair	\$_____.____
8.	80	Spalling at pool handrail base and/or ladder	SKS-15	\$_____.____ per Repair	\$_____.____
9.	400 Linear Feet	Rebar corrosion repair (5% estimated quantity)	SKS-8	\$_____.____ per Linear Foot	\$_____.____
10.	400 Linear Feet	Cracking (structural)	SKS-10, SKS-11	\$_____.____ per Linear Foot	\$_____.____
11.	400 Linear Feet	Cracking (non-structural generic cracking)	SKS-9	\$_____.____ per Linear Foot	\$_____.____
12.	20	Special Inspection - Concrete spall repair and/or supplemental rebar/welding	-	\$_____.____ per Site Visit	\$_____.____
Total Sum Basic Bid (Item Nos. 1 through 12 inclusive)					\$_____.____

The Undersigned also agrees as follows:

1. That the bids submitted on the various items in this Offer on which a Lump Sum bid is asked, include all materials, equipment, labor and all other incidental work required for the complete construction and installation of these improvements in accordance with the plans and specifications.

That the quantities in any item in this Offer are approximate only and that payment will be made only for the item in place complete, regardless of amount of material, equipment and labor necessary to complete the same in a proper and workmanlike manner and in accordance with the plans and specifications. That the quantities shown are given only for the Offeror's convenience and for the purpose of making monthly estimates. The Offeror shall verify these quantities in any manner he deems necessary or expedient.

2. That the estimated quantities shown on items for which a Unit Price is given in this Offer are only for the purpose of comparing on a uniform basis, bids offered for the work under this contract, and that the Offeror is satisfied with and will at no time dispute said estimated quantities as a means of comparing bids. That the Offeror will make no claim for anticipated profit or loss because of a difference between the quantities of the various classes of work done or the materials and equipment actually installed and said estimated quantities.

That on Unit Price bids, payment will be made only for the actual number of units incorporated into the finished project at the Unit Price bid.

3. That if the product of the Unit Price bid multiplied by the number of units does not equal the total amount of any item, it will be assumed that the error was made in computing the total amount and for the purpose of computing the lowest Offeror, the named Unit Price alone will be considered as representing the Offeror's intention and the total amount bid on such item shall be corrected by multiplying the Unit Price by the number of units.
4. Award of the contract shall be made to the responsive, responsible bidder submitting the lowest TOTAL SUM BASIC BID.
5. All Work Orders shall be executed within 365 consecutive calendar days from the date of contract execution, and shall include provisions for the following:
 - a. Approval of required permits including grading and building permits, NPDES permit, SMA permit, and any other permitting actions, as required. Approval of the necessary permits for this project is anticipated to take up to 12 months from the award of the contract. Construction onsite cannot commence until approval of all necessary permits, unless otherwise directed by the Officer-in-Charge.
 - b. Due to Summer Fun operations, the Construction window will only be allowed between August 1st and March 31st. Start date to be determined by DPR.
 - c. The City will only allow the swimming pool to be closed for construction for a maximum of 60 consecutive calendar days maximum. The swimming pool is not to be closed to the public for longer than this period.

- d. Submittals of shop drawings and materials for City review and approval. Submittals shall commence within 15 calendar days from the date of Notice To Proceed (NTP) and procurement of long lead items shall commence immediately after approval of required submittals.

NOTE: The construction performance period must provide consideration of the above. Offeror will be responsible for any labor escalation and material escalation during the construction performance period provided that the NTP is issued within the 365 day calendar day period after execution of the contract.

Please also refer to Paragraph 1.02 Notice To Proceed For Construction, PART 1 General, Section 01035 Construction Project Procedures, Division 1 – General Requirements of these Specifications, for additional information on the Notice To Proceed (NTP).

6. Construction sign will be provided by the Offeror.
7. That if this Offer shall be accepted and the Undersigned shall fail to or neglect to contract as aforesaid, and to furnish the required bond to the City within ten (10) days from the date of receiving from the City, the contract prepared and ready for execution, the City may determine that the Offeror has abandoned the contract, and thereupon, forfeiture of the security accompanying his Offer shall operate and the same shall become the property of the City.

The Undersigned also agrees that if he is awarded this contract, he will enter into and execute the same and that he will furnish bonds in the amount as required by the General Instructions to Offerors.

The Undersigned certifies that he is licensed to undertake this project pursuant to Chapter 444, HRS, as amended, relating to licensing of contractors.

The Undersigned also agrees that the Director of Budget and Fiscal Services reserves the right to reject any or all bids and to waive any defect therein.

Enclosed herewith is

Surety bond	)
Legal tender	)
Certificate of deposit, share certificate,	) (Circle one)
Cashier's check, treasurer's check,	)
Teller's check, official check,	)
Certified check	)

for the sum of _____

_____ DOLLARS (\$ _____), being not less than five per cent of the amount bid.

Respectfully submitted,

Offeror's Legal Business Name

By: _____
Authorized Signature

Print or Type Name and Title of Above

Dated: _____

Address of Offeror _____

Telephone Number _____

Email Address: _____

In accordance with Section 103D-302 HRS, all offers shall include the name of *each* person or firm to be engaged by the Offeror as a joint contractor or subcontractor in the performance of the contract for construction, and the nature and scope of work to be performed by each joint contractor or subcontractor. "Subcontractor" is defined in HAR § 3-120-2. Offers that do not comply with this requirement may be evaluated in accordance with Section 103D-302(b) of the HRS.

It is the sole responsibility of the Offeror to review the requirements of this project and determine the appropriate contractor's licenses that are required to complete the project. The Offeror acknowledges that as a general contractor 'A' license, the Offeror is prohibited from undertaking any work solely or as part of a larger project which would require the Offeror to act as a specialty contractor ('C' license) in any area in which the Offeror has no specialty contractor's license. The Offeror must have the appropriate specialty contractor's license either obtained on its own, or obtained automatically under HAR §16-77-32.

In determining work that is to be performed by joint contractors or subcontractors, Offerors shall be familiar with among other things, HRS 444, relating to licensing of contractors and the Hawaii Administrative Rules, Title 16, Department of Commerce and Consumer Affairs, Chapter 77, Contractors.

Contractors that are suspended or debarred by the State of Hawaii, State Procurement Office (SPO) under HRS Chapter 103D, cannot be considered for award during the suspension or debarment.

Contractors or subcontractors that are suspended by the State of Hawaii, Department of Labor and Industrial Relations (DLIR) under HRS Chapter 104 are prohibited from performing **any work** on any State or County public works construction project.

When more than one (1) joint contractor or subcontractor is listed for a category of work, the Offeror shall identify the scope of work each will perform. Joint contractors or subcontractors shall also be listed for work to be completed under additives or alternates.

All work not within the scope of work of the listed joint contractor(s) or subcontractor(s), shall be performed by the Offeror.

Include the name of each person or firm to be engaged by the Offeror as joint contractor or subcontractor in the performance of the contract in the following table. Write in the complete name of the Joint Contractor or Subcontractor, the Contractor License Number (if applicable), and the Nature and Scope of work to be performed by each.

COMPLETE NAME OF JOINT CONTRACTOR OR SUBCONTRACTOR	CONTRACTOR LICENSE NUMBER	SPECIFIC DESCRIPTION OF THE NATURE AND SCOPE OF WORK

ACKNOWLEDGMENT OF LIQUIDATED DAMAGES PROVISION

PROJECT NAME AND NUMBER: IDIQ Swimming Pool Tile and Plaster Improvements –
Phase 1, Job Number 26-P-12

This is to certify that the undersigned understands and agrees to the provisions for Liquidated Damages, Section 3.16 of the General Terms and Conditions, City and County of Honolulu, and Section SP 3 of the Special Provisions, and that submittal of our bid constitutes acceptance of the provisions and amount of liquidated damages that may be assessed per calendar day as specified in the Special Provisions.

Name of Offeror

Signature and Title

Date: _____

(Failure to submit this form with the bid may be cause for rejection.)

**CERTIFICATION OF COMPLIANCE
WITH HRS 396-18, SAFETY AND HEALTH PROGRAMS
FOR CONTRACTOR BIDDING ON CITY JOBS**

PROJECT NAME AND NUMBER: IDIQ Swimming Pool Tile and Plaster Improvements –
Phase 1, Job Number 26-P-12

This is to certify that the undersigned will comply with the requirements of HRS 396-18, as follows:

- (A) Pursuant to HRS 396-18, all bids and offers in excess of \$100,000 shall include a signed certification from the Offeror that a written safety and health plan for the job will be available and implemented by the notice to proceed dates of the project. The written safety and health plan shall include:
- (1) A safety and health policy statement reflecting management commitment;
 - (2) A description of the safety and health responsibilities of all levels of management and supervisors on the job and a statement of accountability appropriate to each;
 - (3) The details of:
 - (a) The mechanism for employee involvement in job hazard analysis;
 - (b) Hazard identification, including periodic inspections and hazard correction and control;
 - (c) Accident and "near-miss" investigations; and
 - (d) Evaluations of employee training programs;
 - (4) A plan to encourage employees to report hazards to management as soon as possible and to require management to address these hazards promptly; and
 - (5) A certification by a senior corporate or company manager that the plan is true and correct.
- (B) Failure to submit the required certification may be grounds for disqualification of the bid.
- (C) Failure to have available on site or failure to implement the written safety and health plan by the project's notice to proceed date shall be considered willful noncompliance and be sufficient grounds to disqualify the award and terminate the contract.

Offeror's Legal Business Name

Signature and Title

Date: _____

CERTIFICATE OF ACCEPTANCE OF SOLICITATION REQUIREMENTS

It is understood and agreed that the undersigned acknowledges the following:

1. The Offeror has read this solicitation document including any addenda, in its entirety;
2. The Offeror understands and agrees to furnish, deliver, and perform the requirements of the solicitation in strict compliance with the solicitation document as amended, including any specifications, plans, and scope of work descriptions, without any exceptions, if awarded a contract;
3. The Offeror understands and agrees that no substitution or alternate brands may be furnished without the **written approval** of the City;
4. The Offeror understands that the Contractor shall resolve any noncompliance with the requirements of the awarded contract at the Contractor's own expense;
5. The Offeror will make all modifications or customizations to the brand and model being offered as necessary to meet all specifications, at no additional cost. Offeror guarantees that all modifications or customizations done to meet specifications shall not affect the quality or operation of the product; and
6. The Offeror understands that **FAILURE TO MEET CONTRACT REQUIREMENTS WILL CONSTITUTE A BREACH OF CONTRACT THAT MAY RESULT IN SUSPENSION OR DEBARMENT, AND THE EXERCISE OF RIGHTS AND REMEDIES AS PROVIDED BY LAW.** Contract requirements include any specifications, plans, and scope of work descriptions;
7. The undersigned is an authorized representative of the Offeror and can legally obligate the Offeror thereto.

Offeror's Legal Business Name: _____

Signature: _____

Print Name: _____

Title: _____

Date: _____

Phone: _____

SURETY BID BOND

Bond No. _____

KNOW TO ALL BY THESE PRESENTS:

That we, _____,
(Full Name or Legal Title of Offeror)
as Offeror, hereinafter called Principal, and _____,
(Name of Bonding Company)
as Surety, hereinafter called Surety, a corporation authorized to transact business as a Surety
in the State of Hawaii, are held and firmly bound unto the CITY AND COUNTY OF HONOLULU,
as Owner, hereinafter called Owner, in the penal sum of _____

(Required Amount of Bid Security)

Dollars (\$ _____), lawful money of the United States of America, for the payment of
which sum well and truly to be made, the said Principal and the said Surety bind ourselves, our
heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these
presents.

WHEREAS:

The Principal has submitted an offer for IDIQ SWIMMING POOL TILE AND PLASTER
IMPROVEMENTS – PHASE 1, JOB NUMBER 26-P-12

NOW, THEREFORE:

The condition of this obligation is such that if the Owner shall reject said offer, or in the
alternate, accept the offer of the Principal and the Principal shall enter into a Contract with the
Owner in accordance with the terms of such offer, and give such bond or bonds as may be
specified in the solicitation or Contract Documents with good and sufficient surety for the
faithful performance of such Contract and for the prompt payment of labor and material
furnished in the prosecution thereof as specified in the solicitation then this obligation shall be
null and void, otherwise to remain in full force and effect.

Signed this _____ day of _____, _____.

(Seal)

Name of Principal (Offeror)

Signature

Title

(Seal)

Name of Surety

Signature

Title

CONTRACT NO. <Contract Number>

Solicitation No. <Solicitation Number>

THIS AGREEMENT (or "Agreement"), made and entered into on _____, by and between the CITY AND COUNTY OF HONOLULU, a municipal corporation existing under and by virtue of the laws of the State of Hawaii, with offices at Honolulu Hale, 530 South King Street, Honolulu, Hawaii 96813, hereinafter called the "CITY" (or "City"), and <CONTRACTOR NAME>, whose principal place of business is <contractor's address>, hereinafter called the "CONTRACTOR" (or "Contractor").

WITNESSETH THAT:

WHEREAS, the CITY desires to engage the CONTRACTOR for the <PROJECT NAME>; and

WHEREAS, a solicitation for bids and the selection of the CONTRACTOR were made in accordance with section 103D-302, Hawaii Revised Statutes ("HRS") and the related Hawaii Administrative Rules ("HAR"). The CONTRACTOR has been identified as the lowest responsible and responsive Offeror, whose offer meets the requirements and criteria set forth in the invitation; and

WHEREAS, the CONTRACTOR is willing and able to provide the services set forth in this AGREEMENT;

NOW, THEREFORE, the CITY and the CONTRACTOR, in consideration of the foregoing and of the mutual promises hereinafter set forth, the sufficiency and adequacy of which are hereby acknowledged, and intending to be legally bound, hereby mutually agree as follows:

1. This Contract and the following documents, appendices and exhibits collectively form the "AGREEMENT" or "Contract Documents", all of which are attached hereto and incorporated herein:

This Contract

Solicitation No. <Solicitation Number>

CONTRACTOR's Offer

The Contract Documents as listed hereinabove are in the order of controlling preference should there be any conflict in the terms.

2. The CONTRACTOR shall furnish all services, labor, goods, materials, supplies, equipment and other incidentals reasonably necessary for the successful completion of the work contemplated under this AGREEMENT (Work).

3. The CITY agrees to pay the CONTRACTOR for the satisfactory performance and completion of the Work in accordance with the payments schedule and provisions, all as set forth in the AGREEMENT. The total amount of this AGREEMENT shall not exceed <DOLLAR AMOUNT WRITTEN OUT> AND xx/100 DOLLARS (\$xxx,xxx.xx), which is the maximum

payable under this AGREEMENT and inclusive of all taxes. The CONTRACTOR shall not pass through any increases in taxes to the CITY.

4. The term of the Contract shall be the duration as provided in Solicitation No. <Solicitation Number>.

5. The CONTRACTOR will prosecute said work in an efficient manner so as entirely to complete and perform said work within the time set forth in Solicitation No. <Solicitation Number>.

[End of page, signatures on following page]

SAMPLE

IN WITNESS WHEREOF, this AGREEMENT is executed herein by the duly authorized officers or agents of the CITY and the CONTRACTOR.

CITY AND COUNTY OF HONOLULU	<CONTRACTOR NAME>
BY:	BY:
PRINTED NAME:	PRINTED NAME:
TITLE: Director, Department of Budget and Fiscal Services	TITLE:
DATE:	DATE:

APPROVED AS TO FORM AND
LEGALITY

Deputy Corporation Counsel
City and County of Honolulu

SPECIAL PROVISIONS

SP 1. GENERAL CONDITIONS. The “GENERAL TERMS AND CONDITIONS, CITY AND COUNTY OF HONOLULU” dated February 1, 2015, hereinafter referred to as the “GENERAL CONDITIONS” is incorporated herein by reference only and made a part of these specifications. Copies of the GENERAL CONDITIONS may be obtained from the Division of Purchasing, Department of Budget and Fiscal Services website at www.honolulu.gov/pur. Any provision of the GENERAL CONDITIONS not in conflict with the HAR shall be applicable to this Contract.

SP 2. DIFFERING SITE CONDITIONS FOR CONSTRUCTION PROJECTS. Delete Section 3.9 of the GENERAL CONDITIONS in its entirety and, in lieu thereof, insert:

“3.9 Differing Site Conditions for Construction Projects. Pursuant to HAR 3-125-11, the following shall apply to the procurement of construction under this contract:

Differing site conditions – price adjustments,

- (A) Notification. The contractor shall promptly, and before such conditions are disturbed, notify the procurement officer of:
 - (i) Subsurface or latent physical conditions at the site differing materially from those indicated in this contract; or
 - (ii) Unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this contract.
- (B) Adjustment of price or time for performance. After receipt of the notice, the procurement officer shall promptly investigate the site, and if it is found that the conditions do materially so differ and cause an increase in the contractor's cost of, or the time required for, performance of any part of the work under this contract, whether or not changed as a result of the conditions, an adjustment shall be made and the contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the price adjustment clause of this contract.
- (C) Timeliness of claim. No claim of the contractor under this clause shall be allowed unless the contractor has given the notice

required in this clause; provided, however, that the time prescribed therefore may be extended by the procurement officer in writing.

(D) No claim after final payment. No claim by the contractor for an adjustment there under shall be allowed if asserted after final payment under this contract.

(E) Knowledge. Nothing contained in this clause shall be grounds for an adjustment in compensation if the contractor had actual knowledge of the existence of such conditions prior to the submission of bids. [HAR 3-125-11(1)]”

SP 3. LIQUIDATED DAMAGES. When the Contractor fails to complete the work or any portion of the work within the time or times specified in the Contract or any extension thereof, it is agreed that the Contractor shall pay to the City the amount specified below.

Liquidated damage per calendar day: \$300.00

The Contractor hereby agrees to pay the amount as liquidated damages, and not by way of penalty, to the City and further authorizes the City to deduct the amount of the damages from monies due the Contractor under the Contract, computed as previously mentioned. If the monies due the Contractor are insufficient or no monies are due the Contractor, the Contractor shall pay the City the difference or the entire amount, whichever may be the case, upon demand by the City.

SP 4. PAYMENTS AND FINAL PAYMENT. Proof of compliance with HRS 103D-328 and HRS 103D-310 may be through Hawaii Compliance Express (HCE) or by written clearance issued by the Hawaii Department of Taxation, Internal Revenue Service, Hawaii Department of Labor, and Hawaii Department of Commerce and Consumer Affairs.

SP 5. CONTRACTOR PERFORMANCE RECORDS. The City shall maintain records pertaining to the Contractor’s performance on contracts with the City. The Contractor shall be required to participate in performance assessment activities during or after the performance of the Contract. Contractor performance records may be used to determine a Contractor’s responsibility, qualifications, and eligibility for the award of future contracts with the City.

SP 6. EXHIBIT L. REPORT OF EQUIPMENT PURCHASED WITH CONSULTANT OR CONSTRUCTION CONTRACTS.

The City will not require the use of Exhibit L: Report of Equipment Purchased with Consultant or Construction Contracts form. As a result, the following sections of the GENERAL CONDITIONS shall be modified:

- A. Delete Section 4.5, Payments, item (a) in its entirety and replace with the following:

“(a) Payments will be authorized by the Director after completion of performance or delivery and acceptance by the Director of all materials, goods, and services stipulated in the contract or Purchase Order and after the invoices, in triplicate, are received by the using agency, Attention: Fiscal Officer. The invoices must list the following information: contract and confirmation purchase order numbers (if any), item numbers, description of items, quantities, unit prices, and extended totals. Payments will be computed in accordance with any applicable unit prices bid. Payments will be made as soon thereafter as the regular course of business will allow; provided, however, that payments shall be made no later than thirty (30) calendar days following receipt of the statement for goods received and services completed.”

- B. Delete Section 5.4.6, Payment for Delivered Materials or Equipment, items (a) and (b) in their entirety and replace with the following:

“(a) No payment for any material or equipment that is affixed, movable or removable, delivered to the site of the work under the contract will be made until said material or equipment is incorporated into the parts of the project required to be constructed under the contract. Payment for the delivered material or equipment shall be included in the monthly progress payment under the appropriate cost item.

(b) Specialized or Special Ordered Materials, Equipment. The Officer-in-Charge may, to the extent provided for in the contract, include in the monthly estimate for progress payment the delivered cost of specialized materials, special ordered materials or equipment usable only for the contract. Such inclusion in the monthly estimate will be allowed only if all costs are substantiated by evidence of delivery and payment, and only for such materials or equipment as are specifically described or referred to in the contract as being the subject matter for such inclusion in the monthly estimate for progress payment. Payment to the Contractor shall not terminate the Contractor's responsibility or ownership of such materials or equipment until incorporated in place and accepted by the Officer-in-Charge. The Contractor shall be responsible for the safekeeping of such specialized materials or equipment until incorporated into the work and accepted by the Officer-in-Charge. The amount included for payment under this subsection shall be subject to the retention requirement.”

- C. Delete Section 5.4.7 Final Payment, items (a)(1) and (a)(2) in their entirety.
- D. Delete Exhibit L Report of Equipment Purchased with Construction Contracts, in its entirety.

SP 7. INDEMNITY.

Delete Section 2.10, Indemnity, of the GENERAL CONDITIONS in its entirety and replace with the following:

“2.10 Indemnity

The Contractor shall perform the work as an independent contractor and shall indemnify and hold harmless the City, its departments, and all of their officers, employees or agents, from any and all deaths, injuries, losses and damages to persons or property, and any and all claims, demands, suits, action and liability therefor including reasonable attorney fees and cost of defense, caused by error, omissions, negligence or willful or intentional misconduct in the performance of the contract by the Contractor or the Contractor's subcontractors, agents and employees, and this requirement shall survive the termination of contract.”

SP 8. ANTI-DISCRIMINATION

In accordance with Section 1-11 of the Revised Ordinances of Honolulu 2021, as amended, the Contractor shall not engage in discriminatory practices for any work provided under this Agreement. Discriminatory practices are practices that discriminate on the basis of a classification protected by any federal, State, or City law, including retaliation for opposing discrimination or participation in an investigation or proceeding that alleges discrimination.

CONSTRUCTION SIGN BOARD

Revised March 6, 2023



NOTES:

1. Use 48"x 96" aluminum coated material (ACM), front side laminated to a solid black polyethylene core trim to final size of 47"x 95".
2. UV print sign directly to on ACM.
3. Insert appropriate names and agencies only.
4. City and County Seal shall be integrated into sign and printed directly to sign.
5. Color:
Background Color: White
Border Color: as indicated.
6. Letter Point Size are as indicated.
7. Lettering Style: Arial Black
8. Lettering shall be black.
9. Phone number listing on construction sign shall be Contractor's phone number.
10. An editable electronic file will be provided to Contractor including the graphics and sample text for the construction sign by the Officer-in-Charge.
11. Include text at bottom of sign "This project funded in whole or in part with funds provided by the U.S. Department of Housing and Urban Development(HUD)" only when project has funding from HUD.

WORK REQUIRED: Fabricate and erect in place a complete construction sign board as shown by the above drawing.

A full scale colored electronic file proof of sign board with proper size, spacing and format as shown above should be submitted to the Officer-in-Charge.

ERECTION: Sign shall be erected at location, as directed by Officer-in-Charge, adequately braced on the rear side only. It shall be maintained in good condition throughout the progress of work.

When in the opinion of the Officer-in-Charge, there is a need to relocate the projects sign because of progress of work, or for other reasons, the relocation shall be done as directed without cost to the City.

COMPLETION: Upon completion of project, the sign shall be removed by the Contractor and disposed of as directed by the Officer-in-Charge without cost to the City.

dark frame green • C90 M30 Y95 K60
dark green • C90 M30 Y95 K30
medium green • C85 M10 Y100 K10
light green • C75 M0 Y100 K0



185 pt. 170 pt. **A City and County of Honolulu Project**
Kapolei Consolidate Corporation Yard Driver Training Facility

100 pt. PROJECT TEAM

City Agency • Department of Design and Construction
Architect/Engineer • General Architects
Contractor • General Engineering & Construction • 808-000-0000
Contract Award Amount: \$500,000.00



This project is funded in whole or part with funds provided by the U.S DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)

DETAILED SPECIFICATIONS

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01010 – GENERAL REQUIREMENTS

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

1.02 APPLICABLE REGULATIONS: The Contractor shall comply with all local laws, ordinances, rules and regulations pertaining to such work and must obtain and pay for required permits, license and certificates and publish and post all notices required thereby.

1.03 DESCRIPTION OF WORK:

A. Scope of Work:

This project involves the demolition and replacement of existing plaster and tile finishes at (20) City swimming pools. It also involves the repair of any damage to the concrete pool shell and repair of any defective or loose pool railings / ladders. Any other structural or non-structural repairs necessary to complete the tiling and or plaster work to be included as well.

B. These specifications are divided for convenience into titled divisions and sections as set forth in the TABLE OF CONTENTS preceding these specifications and shall not be considered an accurate or complete segregation of the several units of labor and materials. No responsibility, either direct or implied, is assumed by the City and County for omissions or duplications of the subject matter. The Contractor shall be held responsible for the complete work whenever or wherever the parts are described in one or more trade heads. Any mention in these sections or indication on the drawings of articles, materials, operations, or methods required that the Contractor furnish each item so mentioned or indicated, of the kind, type, or design and quality of each item so mentioned or indicated on the drawings, and that the Contractor furnish all labor, materials, equipment, incidentals, and supervision necessary to complete the work in accordance with the drawings and the true

meaning and intent of these specifications, even though such mention of articles, materials, operations, methods, quality, qualifications, or conditions is not expressed in complete sentences.

Where devices or items or parts thereof are referred to in the singular, it is intended that such references shall apply to as many such devices, items, or parts as are required to properly complete the work.

Schedule of work included in these specifications sections are given for convenience and shall not be considered as a comprehensive list of items necessary to complete the work of any section.

The Contractor shall employ the usual standard practice of coordinating the work covered in each section with the work of other sections. The necessary information and the items, accessories, anchors, connections, patterns, templates, etc., shall be delivered when required, in order to prevent any delay in the progress and completion of the work.

1.04 PLANS AND SPECIFICATIONS:

These specifications are intended to cover all labor, materials, and standards of workmanship employed in the work indicated on the plans and called for in the specifications or reasonably implied therein. The plans and specifications complement one another. Any part of the work mentioned in one and not represented in the other shall be done the same as if it had been mentioned or represented in both.

The Contractor shall not alter the drawings and specifications. In the event of any error or discrepancies, the Contractor shall immediately notify the Officer-in-Charge (OIC) for clarification and instructions.

All figured dimensions take precedence over scaled measurements. No important dimension shall be determined by scale.

Specifications and drawings are prepared in abbreviated form and may 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.

Phrase "or equal" shall mean "or approved substitute."

The term "Owner" shall mean "City."

The terms "Architect" or "Engineer" shall mean "Officer-in-Charge."

1.05 PARKS STANDARD DETAILS:

The plans and specifications make reference to the Parks Standard Details for Parks and Recreation Construction, of the Department of Parks and Recreation (DPR), City and County of Honolulu. The Parks Standard Details shall be applicable and incorporated and made a part of the contract.

The Parks Standard Details for Parks and Recreation Construction are available on-line at the City's website:

<http://www.honolulu.gov>

- 1.06 AS-BUILT DRAWINGS: The Contractor shall keep job site copies of the drawings and shall mark on one set, kept expressly for this purpose, all changes made or site conditions which differ from the contract set. Contractor shall stamp and sign each sheet of the complete set of contract drawings indicating it represent as-built condition. Contractor shall also submit an as-built specification set indicating specific products used and stamp and sign the cover sheet indicating as-built conditions.

- 1.07 OIC REVIEW AND ACCEPTANCE: OIC review and acceptance of all submittals and conditions shall be based on the information submitted and the visible condition observed. Acceptance shall be for general intent of the contract. Ultimate performance of the work or product to meet the contract requirements shall be the Contractor's responsibility.

- 1.08 EXISTING UTILITIES: Location of existing utilities and facilities shown are approximate only and are not guaranteed. The Contractor shall verify, in the field, the location of all existing utilities. The Contractor shall be fully responsible for any and all damages, injuries, deaths, expense, etc., to property, personnel and the public resulting from accidents to or from existing facilities and/or utilities.

Should existing utilities not shown on the plans be encountered in the field during the operation, the Contractor shall promptly notify the OIC for instructions. Failure to do so will make the Contractor liable for any and all damages arising from his operations. Upon the instructions of the OIC, the Contractor may be required to relocate or adjust the existing utilities. The Contractor shall not be compensated extra for any additional material required because of differences in location of existing utilities in the plan and in the field.

1.09 STORAGE OF MATERIALS, EQUIPMENT AND FABRICATING AREAS: Storage of materials, equipment and fabricating areas will not be permitted at the project sites.

1.10 RESTORATION OF EXISTING AREAS: All existing areas disturbed or damaged due to construction or ingress and egress to the site shall be repaired to match the existing. Restoration and maintenance of all affected areas shall be the Contractor's responsibility, including areas beyond construction limits. Lawn areas shall be re-cultivated, top soiled and then re-grassed. Other damaged areas shall be repaired with the same kind and type of material.

All restoration work shall conform to the applicable provisions of the DPR Standard Specifications for Landscaping, herein attached and the respective sections of the Standard Specifications of the Department of Public Works referred to herein. All costs for the restoration work shall not be paid for directly but shall be considered incidental to the various items of the work.

1.11 REFERENCE STANDARDS AND ABBREVIATIONS: All work shall be done in accordance to the most current standards listed in the Special Provisions, Detailed Specifications, DPR Standard Specifications (not physically attached), and below as amended and/or amplified herein:

ASA: American Standard Association.

ASTM: American Society of Testing and Materials.

AISC: American Institute of Steel Construction.

ACI: American Concrete Institute.

ADA: Americans with Disabilities Act – Accessibility Guidelines for Buildings and Facilities.

GC: General Terms and Conditions, City and County of Honolulu.

BC: Latest approved building, electrical, plumbing and energy codes of the City and County of Honolulu.

SS: Standard Specifications for Public Works Construction, Department of Public Works, City and County of Honolulu.

- SD: Standard Details of the Department of Public Works, City and County of Honolulu, dated September 1984, including Plumbing Codes for the City and County of Honolulu.
- BWS: Board of Water Supply, City and County of Honolulu, Water System Standards, Vol. 1, and Approved Material List and Standard Details for Water System Construction, Vol. 2, dated 2002, and Water System External Corrosion Control Standards, Vol. 3, dated 1991. Do all work in accordance with the above standards as amended and amplified herein.
- OIC: The Director of the Department of Design and Construction or a representative of the Director acting within the scope of the duties and authority assigned and delegated to him as such representative.
- DDC-CI: Department of Design and Construction, Construction Inspector.

END OF SECTION

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01015 – CONTRACTOR USE OF PREMISES

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

1.02 SPECIAL NOTICE:

- A. The Contractor will submit a request to the Officer-in-Charge, when he determines that sufficient materials are available at the job site for this work to begin without any break in the construction period to wait for delivery of additional items. No onsite work will begin until the Officer-in-Charge, concurs and approves this request from the Contractor. Once on site work commences, the Contractor, if need be, shall air freight at his own cost, all materials and equipment needed at the jobsite in order to complete the work within the project completion time.
- B. Within twenty-five (25) calendar days of the date that work is projected to start at the job site, the Contractor shall submit for approval, a performance schedule to include all construction and phasing activities related to this project, to the Officer-in-Charge, as required by paragraph (e) Payment and Performance Schedules, Item 5. Performance, Chapter 5 – Construction Contract Provisions Supplement of the General Terms and Conditions, City and County of Honolulu. This schedule shall clearly identify when temporary utility connections will occur and/or when City operations shall be affected.

All Contractors must be familiar with the project site and familiarize themselves with existing conditions and the amount and kind of work to be performed relating to methods of construction and labor under which the work will be performed.

Unless otherwise specifically indicated, it is the intent of this project that all City functions shall continue during this construction contract. These City functions include, but are not limited to activities such as park programs, public safety functions such as police, fire,

ambulance, performance events such as those at the Blaisdell Center, and public service offices such as for real property, road maintenance, City administration, satellite city halls, etc.

The Contractor must employ whatever reasonable methods and means necessary to carry out his work so as not to cause any objectionable interruption or interference to the normal operations of the City and County of Honolulu. The Contractor shall schedule its objectionable operations to be performed during City's non-working hours at no additional cost to the City. Objectionable operations are work that causes interruption and interference to the normal operations of the City and may include (1) scheduled events, (2) demolition work, (3) work such as drilling, grinding, tamping, and saw cutting and/or using equipment emanating loud noise, (4) non-containable dust inducing operations, and (5) use of liquid that emits offensive and/or irritating odor or fumes. The Contractor shall include in his total lump sum bid all additional costs related to the foregoing matter. The Contractor shall not be required to pay for the cost of inspection for overtime work during non-working hours that the City requests the Contractor work because of objectionable operations. All other costs of inspection for overtime work shall be paid for by the Contractor.

- C. Contractor shall maintain a safe passageway to and from the swimming pool for the City and County personnel at all times.
- D. Contractor shall call the Construction Management Branch of the Facilities Division, Department of Design and Construction, telephone number 768-8457, and give five (5) working days notice before starting any work.

1.03 PROTECTION OF PROPERTY: The Contractor shall continually maintain adequate protection of all his work from damage and shall protect all property at the project site, including buildings, equipment, furniture, grounds, vegetation, materials, utility systems located at the job site, etc. The Contractor shall repair, replace or pay the expense of repair or damages resulting from his fault or negligence.

PART 2 – PRODUCTS (NONE)

PART 3 – EXECUTION (NONE)

END OF SECTION

SECTION 01020 – INDEFINITE DELIVERY/INDEFINITE QUANTITY
CONTRACT (IDIQ)

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS

The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

3.01 INDEFINITE DELIVERY/INDEFINITE QUANTITY CONTRACT

A. CONTRACT FORMAT

This is an Indefinite Delivery/Indefinite Quantity (IDIQ) construction contract. Services performed by the Contractor will be determined by the City on an “as-needed” basis, within the specified contract period.

B. SCOPE OF WORK

The project involves the demolition and replacement of existing tile and plaster finishes at (20) City and County of Honolulu Department of Parks and Recreation (DPR) swimming pools. It also involves the repair of any damage to the pool shell and repair of any defective or loose pool railings / ladders. Any other structural or non-structural repairs necessary to complete the tiling and or plaster work to be included as well. Refer to SECTION 01010 – GENERAL REQUIREMENTS.

C. WORK ORDER ASSIGNMENTS

The swimming pools under this contract will be limited to those under the jurisdiction of the Department of Parks and Recreation of the City and County of Honolulu. Upon determining the need for required services, the Officer-in-Charge will prepare a Work Order form indicating the swimming pool location and project requirements. The Work Order shall also include the Notice to Proceed date, work completion date, and other pertinent information related to the Work Order assignment for the subject project site.

A Mutual Understanding and Coordination Meeting shall be held at the project site to coordinate between the City Park Personnel and the Contractor regarding the closing of the work site to perform the work, the

specifics of the work items, and the construction time required by the proposed Work Order. The Work Order shall be finalized based on the results of the project site meeting for acceptance by the Contractor. A Delivery Order shall then be prepared by City based on the accepted Work Order.

The construction Notice to Proceed date for each Work Order assignment shall be negotiated between the Officer-in-Charge and the Contractor and shall be the date reasonably established with consideration given to such factors as availability of the work site, the Contractor's current work load from other Work Orders, time requirements for shipment and delivery of materials, need to obtain agency approvals and permits, and other justifiable considerations.

For each Work Order assignment, the Contractor shall provide all services as described on the Work Order and within the specified requirements stated in this contract. All construction work shall be in compliance with the construction notes found in SECTION 01010 – GENERAL REQUIREMENTS.

The Contractor must recognize that the services provided under this contract are vital to the City and must be executed without undue delay or interruption.

D. ESTIMATED QUANTITIES

By entering into this contract, the Contractor understands and agrees that this is an Indefinite Delivery/Indefinite Quantity Price Schedule contract and that all quantities indicated in the Offer Schedule are rough estimates based solely on anticipated needs by the City within the contract time period. Should the City require services for a particular bid item in an amount substantially greater or less than the estimated quantity amounts, the Contractor shall not make any claim for unit price adjustments.

E. MINIMUM PROVIDED SERVICE

The City is under no obligation to issue Work Order assignments to the Contractor or be limited to a maximum not-to-exceed dollar amount.

F. CONTRACT PERIOD

The term of the contract shall be for a period of three (3) calendar years, one (1) calendar year from the date of contract execution, with an optional two (2) one (1) year calendar year each contract extension periods. Each one (1) calendar year extension period shall be mutually agreeable to the City and Contractor and shall be subject to the availability of funds, and will be at the same terms and conditions as specified herein.

Furthermore, if the contract is to be extended at the same price(s), terms and conditions, the contract may be extended by:

1. A letter issued by the CITY Department of Budget and Fiscal Services (“BFS”) Director or designee and acceptance of the extension by endorsement on said letter by the CONTRACTOR; or
2. Request of a letter submitted by the CONTRACTOR and written approval from the BFS Director or designee.

If a successor IDIQ contract is awarded prior to the expiration date of this contract, the City may issue Work Order assignments to the successor contractor prior to the expiration date of this contract.

G. SAMPLE WORK ORDER FORM

See Attachments for sample of Work Order form.

3.02 MEASUREMENT AND PAYMENT

All labor, materials, tools, equipment, and incidentals necessary to complete the code-compliant electrical bonding system work shall be measured and paid for in accordance with the respective bid items in the Offer.

END OF SECTION

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01035 – CONSTRUCTION PROJECT PROCEDURES

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

1.02 NOTICE TO PROCEED FOR CONSTRUCTION:

In accordance with paragraph 5.2.2 Commencement Requirements, Chapter 5. Construction Contract Provisions Supplement, of The General Terms and Conditions, City and County of Honolulu, it is the intent of the City to issue a Notice to Proceed (NTP) within ninety (90) calendar days of execution of the construction contract.

Reference also, Paragraph 5 of the OFFER, relating to the construction period for the construction contract.

1.03 MATERIAL SUBMITTALS: Upon issuance of the NTP, the Contractor shall immediately begin processing submittals of shop drawings, catalog cuts, samples, etc., for approval.

1.04 PAYMENT FOR DELIVERED MATERIALS: After issuance of the NTP, the following delivered material or equipment which costs are substantiated by evidence of payment by the Contractor or its subcontractors may be allowed progress payment up to ninety percent of the delivered cost in accordance with paragraph 5.4.6, Payment for Delivered Materials or Equipment, Chapter 5, Construction Contract Provisions Supplement, of the General Terms and Conditions, City and County of Honolulu.

A. Plaster

B. Tile

PART 2 – PRODUCTS (NONE)

PART 3 – EXECUTION

- 3.01 INSTALLATION: Unless otherwise noted, all installation/application of equipment/material shall be done in accordance with manufacturer's written instructions and recommendations. All equipment shall include operation and maintenance manuals.
- 3.02 INSTRUCTIONS: Instruct the Officer-in-Charge or representative in the proper operation and maintenance of the following equipment or systems:
- A. Newly Plastered Swimming Pool
 - B. Newly Tiled Swimming Pool

END OF SECTION

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01051 – GRADES, LINES, AND LEVELS

PART 1 – GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 WORK INCLUDED: To furnish all labor, materials and equipment necessary to lay out the entire work and verify all dimensions and elevations, all as shown on the drawings and as specified herein.
- A. It shall be the responsibility of the Contractor to examine the project site and determine for himself the existing conditions.
 - B. Obvious conditions of the site existing on the date of the bid opening shall be accepted as part of the work, even though they may not be clearly indicated on the drawings and/or described herein or may vary there from.

PART 2 – PRODUCTS (NONE)

PART 3 – EXECUTION

- 3.01 LAYING OUT: The laying out of base lines for the entire work shall be done by the Contractor, and he shall be solely responsible for their accuracy.
- 3.02 VERIFY DIMENSIONS AND ELEVATIONS: The Contractor shall verify all dimensions and elevations as shown on the drawings. In accordance with paragraph 5.2.2.I Surveys and Construction Stakes, Lines & Grades, Chapter 5. Construction Contract Provisions Supplement, of the General Terms and Conditions, City and County of Honolulu, the Contractor shall notify the Officer-in-Charge in writing immediately upon discovery of any error, omission, or discrepancy in the layout work.

END OF SECTION

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01060 – REGULATORY REQUIREMENTS

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

1.02 LICENSED OFFERORS:

All prospective offerors must hold a current Class A contractor's license from the State of Hawaii. No offer will be accepted from any unlicensed offeror.

Please also note in the Offer, the requirement for listing of all joint contractors or subcontractors.

PART 2 – PRODUCTS (NONE)

PART 3 – EXECUTION (NONE)

END OF SUBJECT

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01300 – SUBMITTALS

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

1.02 SUBMITTALS:

A. Substitution of Materials and Equipment: Substitution requests shall be in accordance with Paragraph 2.18(b) Request for Substitution, Chapter 2.0 SOLICITATION, of the General Instructions to Offerors.

B. Shop Drawing/Material Submittal:

1. Submittal Schedule: Submit two (2) copies of schedule. Arrange the following in tabular format:
 - a. Scheduled date for submittal
 - b. Specification Section number and title
 - c. Description of work covered
 - d. Scheduled date for City's final release and approval

2. Submittal Identification:

- a. To avoid rejection and to expedite each submittal, the General Contractor shall have a rubber stamp made up in the following format:

(JOB TITLE)
(JOB NO.)

THIS SUBMITTAL HAS BEEN CHECKED BY THIS
GENERAL CONTRACTOR AND IS CERTIFIED CORRECT
AND IN COMPLIANCE WITH CONTRACT DRAWINGS AND
SPECIFICATIONS

SUBMITTAL # _____
SPEC. SEC. # AND NAME _____
SUBCONTRACTOR NAME _____
SUPPLIER NAME _____
MANUFACTURER NAME _____

CONTRACTOR'S NAME

CERTIFIED BY _____
(Contractor's Signature)

- b. This stamp "filled in" should appear on the title sheet of each shop drawing, on a cover sheet of the submittals in an 8 ½" x 11" format or on one face of a cardstock tag (minimum 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 page will be used by the Officer-in-Charge for his receipt, approval, and log stamp and for any comments that relate to the sample.
3. Submittal Format: Submittals shall be transmitted with a letter in the format as shown on the attached submittal sample at the end of this section. All non-applicable data shall be blocked out and minor deviations from specifications and plans shall be clearly marked and justified. Unless otherwise indicated in the applicable specification sections, the Contractor shall present the submittal items according to the following:

- a. Certification of Compliance: The original and two (2) copies of the signed manufacturer's certificate indicating compliance to the provisions of the specifications and certifying that the material does not contain asbestos. The Certificate of Compliance shall be on an 8½" x 11" sheet.
- b. Product Data: Six (6) copies of product data, such as a manufacturer's data, Manufacturer's Safety Data Sheet (MSDS) and catalog cuts that indicate conformance to the provisions of the specifications regarding materials, appearance, and finishes. Product data shall conform to an 8½" x 11" format.
- c. Samples: Three (3) samples of each material as indicated in the applicable specification sections. Samples required by specification sections for color, texture, or finish selection and/or approval, shall be no smaller than 3" x 3" and of the actual material to be used. Catalog cuts, photographs, or otherwise "similar" representations are not acceptable submittals.

Each sample shall be properly labeled, cross-referencing the specification item; as well as planned location (i.e., New Weight Room, etc.).

- d. Shop Drawings: Ten (10) prints of drawings indicating how specific portions of the work are to be fabricated or installed by the Contractor. Drawings are either confirmation of conditions detailed in the construction documents, clarification, or planned conditions not readily indicated in the construction documents, that maintain the design intent. Shop drawings shall be cross-referenced to corresponding items in construction documents. As much as possible, shop drawings should conform to an 8 ½" x 11" format (i.e., capable of being folded to 8 ½" x 11" for filing), but in no case shall exceed 24" x 36" size sheets.
- e. Guarantee/Warranties: The original and three (3) copies of a written guarantee, signed as directed in the applicable specification section, for the scope of work and duration indicated in the applicable specification section. Unless otherwise indicated in the applicable specification section, guarantee periods shall be for one (1) year and start at the time of acceptance by the City. Guarantees shall conform to an 8 ½" x 11" format.

- f. Test Reports: Six (6) copies of test reports for any material used in this contract shall be submitted when specified or required by the Officer-in-Charge.
 - g. Maintenance Data and Operating Instructions: Six (6) copies of maintenance data and operating instructions shall be submitted at the conclusion of the equipment installation. The manual shall include instructions for operating, maintenance, repair, recommended inspection points and periods for inspection in a practical, complete, and comprehensive manner. The information shall be arranged in a logical, orderly sequence, including a general description of the equipment and significant technical characteristics. Tests, adjustment, and calibration information shall include illustrations, diagrams, and step-by-step procedures.
4. Electronic Submittal Format: Electronic submittals may be made at the discretion of the Officer-in-Charge. The intent of the Electronic Submittal Format is to expedite the construction process; therefore it is at the discretion of the Officer-in-Charge to eliminate the Electronic Format if at any time the process is not a benefit to the project. Requirements of the Electronic Submittal shall adhere to the format requirements above and to the following:
- a. **Electronic submittals are to be sent as a single file.**
 - b. **8 1/2"x11" and 11"x17" format submittals are the only allowed Electronic Submittal.**
 - c. Submittals shall be transmitted with the Submittal Identification and a letter as shown on the attached submittal sample at the end of this section.
 - d. Submittals are to be transmitted via email; File Transfer Protocol (FTP) transmissions are not acceptable. Compressed file formats such as "ZIP" files are not allowed. Attachment file sizes shall not be larger than 20 megabytes (mb). It is the responsibility of the Sender (entity sending the Electronic Submittal) to confirm the receiving entity has received the Electronic Submittal. The Officer-in-Charge will provide email addresses of persons authorized to receive emailed submittals.

- e. The Electronic Submittal Format process is not intended for the Certification of Compliance, Samples, Guarantee/Warranties and the Maintenance Data and Operating Instructions submittals.

- 1.03 **AS-BUILT DRAWINGS:** The Contractor shall maintain at the job site two (2) sets of full-size contract drawings, marking them in red to show all variations between the construction actually provided and that indicated or specified in the contract documents, including buried or concealed construction. Where a choice of material or method is permitted herein or where variations in scope or character of work from that of the original contract are authorized, the drawings shall be marked to define the construction actually provided. Where equipment installation is involved, the size, manufacturer's name, model number, power input or output characteristic applicable shall be shown on the as-built drawings.

The representation of such change shall conform to standard drafting practice and shall include such supplementary notes, legends, and details as necessary to clearly portray the as-built construction. If drawings are prepared on Computer Aided Drafting (CAD) system, drawings are to be prepared using software compatible with the City and County of Honolulu, Department of Design and Construction, Facilities Division software, review with Officer-In-Charge. The file shall be provided to the City on compact disks (CD).

The drawings shall be maintained and updated on a daily basis. The Contractor shall stamp, sign, and date each sheet with the following stamp:

AS-BUILT DRAWINGS

This certifies that the dimensions and details shown on this sheet reflect the dimensions and details, and specifications as constructed in the field.

CONTRACTOR'S NAME

Signature

Date

Monthly and final payments to the Contractor shall be subject to prior approval of these drawings. Upon completion of the work, both sets of

marked-up drawings shall be delivered to the Officer-in-Charge and shall be subject to the approval of the Officer-in-Charge before acceptance of the project shall be considered.

1.04 COMPLETION FOLDER: Upon completion of the work, the Contractor shall deliver to the Officer-in-Charge three (3) sets of a completion folder containing the information listed below. The listed items may be requested elsewhere and shall be in addition to that request.

- A. Project Personnel – A listing of the Contractor's personnel and position.
- B. Subcontractor/Vendor – A listing of the subcontractors and vendors and work description.
- C. Emergency Notification – A listing of persons to call for emergency.
- D. Guarantees – A copy of guarantees and warranties.
- E. Equipment – An inventory listing of the equipment.
- F. Instruction/Operation Manuals – A listing of the instruction and operation manuals provided.
- G. Additional Material – A listing of the additional project material (paint, carpet, etc.), quantity, and location material delivered to.

(SHOP DRAWING/MATERIAL SUBMITTAL – SAMPLE)

DATE: _____

Director
Department of Design and Construction
City and County of Honolulu
650 South King Street, 11th Floor
Honolulu, Hawaii 96813

Director:

Subject: _____

We herewith submit for your approval the following item(s) for the subject project:

<u>NO. OF COPIES</u>	<u>ITEM</u>	<u>SUPPLIER OR SUBCONTRACTOR</u>
--------------------------	-------------	--------------------------------------

Your early review and approval of the above item(s) will be greatly appreciated.

SIGNATURE

NOTE: 1. Please use own letterhead.
2. Submit original and two (2) copies of letter.

END OF SECTION

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01450 – SERVICE OF MANUFACTURER’S REPRESENTATIVE

PART 1 – GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 SCOPE: The services of the Manufacturer’s Representative shall be required for the products as called for in other sections of these specifications.
- 1.03 RELATED WORK: Individual requirements are described in pertinent other sections of these specifications.
- 1.04 QUALITY ASSURANCE: The Manufacturer’s Representative shall be competent, thoroughly trained and experienced in the work and shall be completely familiar with the product or equipment, the specified requirements and the methods needed for the proper performance of the product or equipment.
- 1.05 SUBMITTALS:
- A. Qualifications: Submit, if requested by the Officer-in-Charge, the qualifications and experience of the Manufacturer’s Representative.
 - B. Report: Submit a written report by the Manufacturer’s Representative attesting that the product or equipment was installed in accordance with the Manufacturer’s instructions and that the City’s personnel have been properly instructed in its operation and/or maintenance.
- 1.06 GENERAL REQUIREMENTS: Obtain the Manufacturer’s Representative service and be responsible for the Manufacturer’s Representative.

PART 2 – PRODUCTS (NOT APPLICABLE)

PART 3 – EXECUTION

3.01 SERVICES OF MANUFACTURER'S REPRESENTATIVE

- A. The Manufacturer's Representative shall be present as often as he deems necessary to assure the proper performance of the product or equipment.
- B. The service for the product or equipment shall include but not be limited to:
 - 1. Inspection: Examine the areas and conditions under which the product or equipment is to be installed and report to the Contractor any unsatisfactory conditions for corrections by the Contractor.
 - 2. Preparation: Check for defects and completeness of product, equipment, and parts.
 - 3. Tests: Test any condition, which may affect the performance of the product or equipment.
 - 4. Installation: Render assistance to the Contractor as required and ensure that manufacturer's installation instructions are being understood and followed.
 - 5. Instructions to Personnel: Instruct the operating personnel in the aspects of installed product maintenance.
 - 6. Operations and Maintenance Manual: Demonstrate the contents of the operations and maintenance manual if required to be submitted under Section 01300 – SUBMITTALS.
 - 7. Follow-Up: Provide follow-up service in case of problems involving product related to possible product failure, incompatibility with other products or conditions, or maintenance problems during guarantee time.

END OF SECTION

DIVISION 1 – GENERAL REQUIREMENTS

SECTION 01500 – CONSTRUCTION FACILITIES AND TEMPORARY UTILITIES

PART 1 – GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 SECTION INCLUDES:
- A. Temporary Utilities: Electricity, lighting, ventilation, telephone service, water, and sanitary facilities.
 - B. Temporary Controls: Barriers, fencing, protection of the work, security and temporary fire protection.
 - C. Construction Facilities: Access, parking, and progress cleaning.
- 1.03 REFERENCE: HIOSH-Occupational Safety and Health Standards, State of Hawaii.
- 1.04 REGULATORY REQUIREMENTS: Comply with DOSH, including but not limited to Part 3 – Construction Standards.
- 1.05 TEMPORARY VENTILATION: Ventilate enclosed areas to assist cure of materials to dissipate humidity, and to prevent accumulation of dust, fumes, and vaporous organisms.
- 1.06 SANITARY FACILITIES:
- A. Temporary Toilet Facilities: Contractor may use the public toilet within the building.
- 1.07 BARRIERS:
- A. Provide barriers, covers and flashers to prevent unauthorized entry to construction areas and to prevent existing facilities and adjacent properties from damage from construction operations.

- B. Protect non-owned vehicular traffic, stored materials, site and structures from damage.
- C. The Contractor shall take precaution to protect people and property from injury and damage. Contractor shall augment the barricades as required to delineate the work areas and provide the appropriate signage and hazard lights, as directed by the Officer-in-Charge. Signs shall be neat, enamel painted and fabricated by personnel normally engaged in the sign industry.
- D. The Contractor shall be responsible for Contractor's security and protection of Contractor's property, including mobilization yard barriers.
- E. Provide protection for plant life designated to remain. Replace damaged plant life.
- F. Barricades, in general, shall be neat, as required for protection and adequately anchored and braced.

1.08 PROTECTION OF INSTALLED WORK:

- A. Protect installed work and provide special protection where specified in individual specification sections.
- B. Provide temporary and removable protection for installed products. Control activity in immediate work area to minimize damage.

1.09 SECURITY: Provide security and facilities to protect work from unauthorized entry, vandalism, or theft.

1.10 TEMPORARY FIRE PROTECTION: Provide fire protection and prevention in accordance with DOSH, Chapter 113.

1.11 ACCESS AND PARKING AREAS:

- A. Access: Arrange Contractor's access to project site with the Officer-in-Charge and make changes as work progresses.
- B. Parking: Contractor's employees, agency and subcontractors and their employees, shall make their arrangements for parking with the Officer-in-Charge. Contractor and their subs may need to find additional parking on the street-metered stalls.

1.12 STAGING AND WORK AREAS: There will be a limited, confined staging area in the proximity of the jobsite, provided by the City.

1.13 PROGRESS CLEANING AND WASTE REMOVAL:

- A. Comply with the General Terms and Conditions.
- B. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly fashion.
- C. Remove debris and rubbish from pipe chases, and other closed or remote spaces, prior to enclosing space.
- D. Clean areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- E. Contractor shall remove waste materials, debris, and rubbish from the site daily and legally dispose off-site, or as requested by the Officer-in-Charge.
- F. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

1.14 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS:

- A. Remove temporary utilities, equipment, facilities, and materials prior to Substantial Completion inspection.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

1.15 SAFETY MEASURES: Comply with the amended Section 3307 Protection of Adjoining Property of the 2012 International Building Code, by addition of a second paragraph which reads as follows:

“The Contractor doing the excavation or fill shall be responsible to implement safety measures, to include but not limited to safety nets, retaining walls or fences, and berms or trenches, to prevent falling rocks, boulders, soil, debris and other dangerous objects from falling, sliding or flowing onto adjoining properties, streets or natural watercourses, or

otherwise causing injury or damage to persons or property in fulfillment of the Revised Ordinances of Honolulu (ROH) 1991.”

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01533 - BARRICADES

PART 1 - GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 DESCRIPTION OF WORK: Provide barricades as required, and as acceptable to the Officer-in-Charge (OIC), to prevent people from entering the project area and to protect enclosed property.
- 1.03 GENERAL REQUIREMENTS:
- A. The Contractor shall take precaution to protect people and property from injury and damage. The Contractor shall augment the barricades as required to delineate the work areas and provide the appropriate signage and hazard lights, as directed by the OIC. Signs shall be neat, enamel painted and fabricated by personnel normally engaged in the sign industry.
 - B. The Contractor shall be responsible for their own security and protection of their property, including mobilization yard barricades.
 - C. Barricades, in general, shall be neat, as required for protection and adequately anchored and braced.
 - D. Security shall be maintained against access onto the work areas at all times except the Contractor shall allow for authorized City personnel.

END OF SECTION

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01560 - ENVIRONMENTAL CONTROLS

PART 1 - GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 ENVIRONMENTAL PROTECTION: With the exception of those measures set forth elsewhere in these specifications, environmental protection shall consist of the prevention of environmental pollution as the result of construction operations under this contract. For the purpose of this specification, environmental pollution is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare, unfavorably alter ecological balances of importance to human life, affect other species of importance to man, or degree the utilization of the environment for aesthetic and recreational purposes.
- 1.03 APPLICABLE REGULATIONS: In order to provide for abatement and control of environmental pollution arising from the construction activities of the Contractor and his subcontractors in the performance of this contract, the work performed shall comply with the intent of the applicable Federal, State and local laws and regulations concerning environmental pollution control and abatement, including, but not limited to, the following regulations:
1. State of Hawaii, Department of Health, Administrative Rules, Chapter 55, WATER POLLUTION CONTROL; Chapter 54, WATER QUALITY STANDARDS.
 2. State of Hawaii, Department of Health, Administrative Rules, Chapter 59, AMBIENT AIR QUALITY; Chapter 60.1, AIR POLLUTION CONTROL LAW.
 3. State of Hawaii, Department of Health, Administrative Rules, Chapter 42, VEHICULAR NOISE CONTROL; Chapter 46, COMMUNITY NOISE CONTROLS.
 4. Other regulations as noted on the drawings.

PART 2 - PRODUCTS

NONE

PART 3 - EXECUTION

3.01 AIR POLLUTION CONTROL:

- A. Emission: The Contractor shall not be allowed to operate equipment and vehicles that show excessive emissions of exhaust gases until corrective repairs or adjustments are made, as determined by the Officer-in-Charge.
- B. Dust: The Contractor, for the duration of the contract, shall maintain all excavations, haul roads, permanent access roads, plant sites, waste disposal areas, borrow areas, and all other work areas within or without the project limits free from dust which would cause a hazard to the work, or the operations of other contractors, or to persons' property. Contractor shall also control dust occurring from construction activities such as rough grading and grinding/cutting concrete or masonry. Industrial-accepted methods of stabilization suitable for the area involved, such as sprinkling or similar methods will be permitted. Chemical or oil treating shall not be used.
- C. Burning shall not be permitted.

3.02 WATER POLLUTION CONTROL:

- A. Wastes: The Contractor shall not deposit at the site or in its vicinity, solid waste or discharge liquid waste, such as fuels, lubricants, bituminous waste, untreated sewage and other pollutants, which may contaminate any surface water or ground water.
- B. Spillages: Care shall be taken to ensure that no petroleum products, bituminous materials, or other hazardous substances, including debris, are allowed to fall, flow, leach, or otherwise enter any surface or ground water.
- C. Erosion: Contractor shall provide any necessary temporary drainage, dikes, and similar facilities to prevent erosion damage to the site. Run-off shall be controlled to prevent damage to surrounding area.

3.03 DISPOSAL:

- A. Construction waste, such as crates, boxes, building materials, pipes and other rubbish shall be disposed of at the County Disposal areas. Large size objects shall be reduced to a size acceptable by the County Specifications. Other areas or methods proposed by the Contractor will be approved only if the Officer-in-Charge determines that their effect on the environment is equal to or less than those described herein.

- B. Removal of wastes shall be a continuous on-going operation. Wastes and debris shall not be allowed to accumulate in large open piles.
- C. Wind-blown wastes and debris shall be collected by the Contractor and disposed as described above.

END OF SECTION

DIVISION 2 — SITE CONSTRUCTION

SECTION 02050 — SELECTIVE DEMOLITION

PART 1 - GENERAL

- 1.01 GENERAL REQUIREMENTS: The General Terms and Conditions, City and County of Honolulu, (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 SUMMARY
- A. Section includes demolition and removal of selected site elements related to pool shell repair, existing pool tile and plaster finishes, defective ladders / railings, and miscellaneous repairs as indicated on the drawings.
- 1.03 DEFINITIONS
- A. Existing to Remain: Existing items of construction that are not to be permanently removed and that are not otherwise indicated to be removed, removed and salvaged or removed and reinstalled.
- 1.04 FIELD CONDITIONS
- A. Conduct selective demolition so User's operations will not be disrupted.
 - B. Before selective demolition, the Users will remove items selected by the Users.
 - C. Notify Officer-in-Charge of discrepancies between existing conditions and Drawings before proceeding with selective demolition.
 - D. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.
 - E. Maintain fire-protection facilities in service during selective demolition operations.
- 1.05 WARRANTY
- A. Existing Warranties: Remove, replace, patch, and repair materials and surfaces cut or damaged during selective demolition, by methods and with materials so as not to void existing warranties.

PART 2 - PRODUCTS

2.01 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ANSI/ASSE A10.6 and NFPA.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Survey existing conditions and correlate with requirements indicated to determine extent of selective demolition required.

3.02 PREPARATION

- A. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with road, streets, walks, walkways, and other adjacent occupied and used facilities.
 - 1. Comply with requirements for access and protection specified in the SECTION 01500 — CONSTRUCTION FACILITIES AND TEMPORARY UTILITIES.
 - 2. Temporary Facilities: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.

3.03 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to the extent as indicated. Use methods required to complete the Work within limitations of governing regulations.

3.04 DISPOSAL OF DEMOLISHED MATERIALS

- A. General: Except for items or materials indicated to be reused, salvaged, reinstalled, or otherwise indicated to remain Owner's property, remove demolished materials from Project site and legally dispose of them.
- B. Do not allow demolished materials to accumulate on-site.
- C. Burning: Do not burn demolished materials.
- D. Disposal: Transport demolished materials off Owner's property and legally dispose of them.

3.05 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

END OF SECTION

DIVISION 2 - SITE WORK SECTION

02073 - REMOVAL AND PATCHING WORK

PART 1 - GENERAL

1.01 GENERAL PROVISIONS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.

1.02 DESCRIPTION OF WORK

- A. Provide all labor, materials, and equipment required to perform all removal, cutting and patching work as shown on the drawings.
- B. Removal work includes but is not limited to removal and subsequent disposal of all materials indicated or required to be removed.
- C. Provide tent covering over existing swimming pool prior to installation of new materials.
- D. Related Work Described Elsewhere: Concrete repairs are provided under Section 03730 - CONCRETE REPAIR

1.03 GENERAL REQUIREMENTS

- A. Permits: The Contractor shall procure and pay for all necessary permits or certificates that may be required in connection with this work.
- B. Notice: The Contractor shall serve proper notices and consult with the Officer-in-Charge regarding any temporary disconnections of electrical or other utility lines in the area which may interfere with the removal work, and all such lines where necessary shall be properly disconnected or relocated before commencing with the work.
- C. Protection: Throughout the work, protection shall be provided for all roads, walks, property, etc., scheduled to remain. Safe working conditions shall be maintained at all times for all personnel, and gates to the pool deck shall be locked when the Contractor is not working and provided with appropriate signs when work is in progress.

1.04 SUBMITTALS

Schedule: Submit six copies of schedule indicating proposed methods and sequence of operations for selective demolition work to the Officer-in-Charge for review prior to commencement of work. Include details for dust and noise control protection.

PART 2 - PRODUCT

- 2.01 MATERIALS: All materials used for patching work shall be new and of grade compatible with the existing material and acceptable to the Officer-in-Charge. All materials shall be of the best of their respective kind and such that when they are installed or applied the finish of the new material shall match that of the adjoining existing surfaces of similar material.

PART 3 - EXECUTION

3.01 GENERAL

- A. The Contractor shall visit the project site, examine the premises and note all existing conditions and the extent involved for the complete and proper execution of all work as called for on the plans and as hereinafter specified.
- B. All work shall be executed in an orderly and careful manner with due consideration for the existing facilities, as the Contractor shall be responsible for all damages thereto.
- C. All cutting and removal work shall be executed in a manner with the least disturbance to existing work or impairing the strength of the remaining structure.
- D. All cutting or removal of certain parts of the present structure to accommodate new work shall be performed under this section of the specifications and shall be cut true and clean.
- E. All items to be reused or reinstalled under this contract, as called for on the plans, shall be carefully removed and protected from damage until ready for reinstallation. Any damaged items shall be replaced by the Contractor at no cost to the City.
- F. All tile, plaster, coatings, compression flanges, sealant, deteriorated patching compounds, etc. shall be removed down to the concrete shell to clearly show the condition of the existing substrate and prepare the substrate for repair and new ceramic tile or plaster surfacing. Grind and/or sandblast the existing pool concrete surface to remove all loose and/or deteriorated materials to provide an even surface capable of accepting the tile or plaster without irregularities. Maximum allowable deviation within a 10 foot area shall not exceed 1/4-inch.
- G. All salvable material as determined by the Officer-in-Charge at the jobsite shall be delivered for storage by the Contractor as directed by the Officer-in-Charge.
- H. Every precaution must be taken at all times for the protection and safety of the public.

- I. All draining and filling of the pool will be done by City personnel. All draining and refilling of the pool after the initial draining and subsequent filling of the pool shall be paid for by the Contractor. (City worker's time, water charge, and chemical charge).
- J. Provide protective barrier over all drains and other piping penetrations from time pool is drained until work is accepted and the pool is to be filled. Prior to the pool being filled, ensure that all debris and residue is removed from all drains and piping.

3.02 SURFACE PREPARATION WORK

- A. Surfaces shall be clean, free from defects, etc. Holes and/or cracks shall be filled or patched to form a level surface.
- B. The entire area shall be inspected by the Officer-in-Charge before any new work can be started. Should the Contractor start the new work without the Officer-in-Charge's approval, the Officer-in-Charge may have the Contractor remove and repair the area at no cost to the City.
- C. All equipment shall be tested prior to start of work. Test underwater lights and speakers for proper operation in the presence of a City representative and record all deficiencies. Contractor shall be responsible for turning pool over to the City in equal or better condition. All additional deficiencies caused by the Contractor's operations shall be repaired by the Contractor at no additional cost to the City.

3.03 REPAIR AND PATCHING

- A. Cavities and/or openings resulting from removal work shall be filled and finished to match existing surfaces. Wherever possible, the patchwork shall be in whole units, not in part or parts of a whole.
- B. Patching work shall be accomplished in accordance with the best standard practices of the trade, and by persons skilled in the trade, and in a manner acceptable to the Officer-in-Charge.
- C. All existing grass areas disturbed or damaged due to construction or ingress or egress to the site shall be repaired to its original condition. Grass areas shall be recultivated, topsoiled, and then grassed with the same kind and type of material as existing, in a manner acceptable to, and to the satisfaction of, the Officer-in-Charge.

3.04 DISPOSAL OF DEMOLISHED MATERIALS: Remove debris, rubbish, and other materials resulting from demolition operations from site daily. Transport and legally dispose of materials off site.

1. If hazardous materials are encountered during demolition operations, comply with applicable regulations, laws, and ordinances concerning removal, handling, and protection against exposure or environmental pollution.
 2. Burning of removed materials is not permitted on project site.
- 3.05 CLEAN-UP: All non-salvable material, rubbish and debris shall be completely removed from the premises and the whole area left cleaned daily to the satisfaction of the Officer-in-Charge.
- 3.06 TENTING: The entire pool area shall be covered from the beginning of the new work and until the pool has been filled after the completion of the work. Cables, wires, poles, etc. shall not be attached to any existing building, structure, bleachers, fencing, railings, etc. unless acceptable to the Officer-in-Charge. All holes in existing slabs or landscaping altered to install tent shall be repaired to match existing upon removal of tent as acceptable to the Officer-in-Charge.

END OF SECTION

SECTION 03730 – CONCRETE REPAIR

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- B. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Concrete spall repairs consist of saw cutting and the removal of all loose and disintegrated concrete, preparation of the surface and the mixing, placing, finishing and curing of the patches in the areas shown or noted on the plans or as directed by the Architect.
- B. Concrete crack repairs consist of resin repair materials using the gravity feed method for horizontal cracks and the pressure injection method for vertical and overhead cracks.
- C. The work shall be performed upon concrete components in accordance with these specifications, plans, and the manufacturer's specifications and recommendations.
- D. Provide all labor, materials, equipment, including scaffold, necessary for completing the work of concrete spall repair.

1.03 SUBMITTALS

- A. Preconstruction Submittal
 - 1. Submit for record, a qualification statement by the Contractor listing their completed concrete repair projects, including size, location, owner, Architect/architect and contact numbers. Contractor Qualifications shall comply with paragraph 1.04B
 - 2. Schedule indicating proposed methods and sequence of operations for the concrete repair work.
- B. Product Data
 - 1. Product data of all materials used for concrete repair under this section. Product data shall also include test data, certificates, and manufacturer's instructions for the following items:

- a. Concrete patching materials- identifying the location where each type of material is to be used.
 - b. Crack repair materials
- C. Material Safety Data Sheets: Furnish the manufacturer's Material Safety Data Sheets for each of the materials present at any time on the job site.
- D. Documentation of Repairs: Include records of each repaired concrete area including spalls and cracks. Documentation shall include the following:
 - 1. The date of concrete repair mortar placement or date of epoxy gravity feeding or injection.
 - 2. The location of the center of each repair rectangle, or crack location is indicated by the distance from the two nearest column lines.
 - 3. Dimension of the spall repair rectangle or length of crack repair.

1.04 QUALITY ASSURANCE

- A. General Requirements
 - 1. To protect personnel from overexposure to toxic materials, conform to the applicable manufacturer's Safety Data sheets or local regulations.
 - 2. Inspection and testing of work must be in accordance with established procedures, manufacturer's instructions, specific instructions from the Architect if given, or recommended practices as referenced herein and the Contract Documents.
- B. Contractor Qualifications: An experienced installer who has completed at least five (5) years of experience in concrete Work similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Tolerances: Construction tolerances for repairs must conform to ACI 117. Where existing condition do not allow tolerances to conform to ACI 117, use the details and materials for such conditions as indicated in the Contract Documents. For conditions not shown or that are different than indicated in the Contract Documents, notify the Architect before proceeding with the work at those locations.
- D. Manufacturing qualifications: The manufacturer of the specified product shall be ISO 9001 certified and have in existence a recognized ongoing quality assurance program independently audited on a regular basis.
- E. Observation of Work: The Architect will observe the Work of the Contractor at various phases during the repair process. The observations will include a visual observation of the repair patches, and sounding the patched areas with a hammer to check for soundness. The Contractor shall provide access for the

Architect for their observations. The access will include the work platform used by the Contractor to perform the work. The platform shall be operated by the Contractor's personnel, if applicable, and shall be in accordance with OSHA safety requirements.

- F. Rejection of Installed Work: The Architect shall have the right to reject all work which is not in compliance with the requirements of the drawings and specifications.
 - 1. Replacement of rejected work may require that the materials in place in the rejected areas be entirely removed to the solid concrete deck. Use methods that shall produce acceptable work. Additional surface preparation may be required. The Contractor shall research and define these procedures and complete the additional surface preparation and reapplication of the repair material at no extra cost to the Owner.

1.05 WARRANTY

- A. Provide a written warranty from the manufacturer against defects of materials for a period of one (1) year, beginning with date of substantial completion of the project.

1.06 DELIVERY STORAGE AND HANDLING

- A. Deliver all materials in original tightly sealed containers or unopened packages, clearly labeled and containing manufacture's name, labels, date of manufacture, product identification, manufacturer's instructions for mixing, and warning for handling and toxicity.
- B. All repair materials shall be stored in a manner to prevent deterioration or the intrusion of foreign matter. Any material which has deteriorated or that has been damaged shall not be used for concrete repair and shall be promptly removed from the site.
- C. Store all materials off the ground and protect from rain, or excessive heat until ready for use.
- D. Condition the specified product as recommended by the manufacturer.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. All concrete repair materials used in any single repair operation shall be provided by the same manufacturer unless compatibility between brands can be proven with actual test or performance data.
- B. Epoxy Bonding Adhesive: Provide epoxy bonding adhesive if recommended by the manufacturer. Bonding adhesive must be provided by the same manufacture as patching material.

C. Typical Repair Mortar Patching Material:

1. Polymer-modified Portland cement mortar: Two component polymer modified containing a penetrating corrosion inhibitor in its formulation. Portland cement, trowel grade mortar which has high abrasion resistance, suitable for horizontal, vertical, and overhead surfaces, of a class and grade to suit requirements. Refer to the manufacturer's specifications for preparation and application guidance.
 - a. Component A shall be a liquid polymer emulsion of an acrylic copolymer base and additives. Component A shall contain an organic, penetrating corrosion inhibitor which has been independently proven to reduce corrosion in concrete via ASTM G3 (half-cell potential tests). The corrosion inhibitor shall not be calcium nitrite, and shall have a minimum of 5 years of independent field testing to document performance on actual construction projects.
 - b. Component B shall be a blend of selected portland cements, specially graded aggregates, admixtures for controlling setting time, water reducers for workability, and an organic accelerator. The materials shall be non-combustible, both before and after cure. The materials shall be supplied in a factory-proportioned unit. The polymer-modified, portland cement mortar must be placeable from 1/2-in. to 1-in. in depth per lift for horizontal applications.
2. To prepare a polymer-modified portland cement concrete: Aggregate shall conform to ASTM C33. The factory proportioned unit shall be extended with 42-lb. max. of a 3/8 in. (No.8 distribution per ASTM C33, Table II) clean, well-graded, saturated surface dry aggregate, having low absorption and high density.

D. Water: ASTM C94 and potable

E. Curing Compound: For curing of Patching Material, cover with wet burlap or approved substitute. Leave wet burlap on until opening to traffic.

F. Crack Repair Epoxy: Low viscosity, high strength, resin adhesive that conforms to ASTM C881 Type IV Grade 1 specifications. Resin must be applicable for gravity feed installation method for horizontal cracks and pressure injection installation method for vertical and overhead cracks.

G. Other Materials: All other materials, not specifically described but required for the successful completion and installation of the work shall be as approved by the Architect.

2.02 PERFORMANCE CRITERIA

A. Properties of Typical Repair Mortar: Mixed polymer-modified, portland cement mortar:

1. Minimum Compressive Strength (ASTM C-109)

- a. 1 day - 2,500 psi
- b. 7 days - 4,000 psi
- c. 28 days - 6,000 psi

2. Minimum Bond Strength @ 28 days (ASTM C-882 Modified) 2,000 psi

PART 3 – EXECUTION

3.01 JOB CONDITIONS

- A. All work shall be performed in such a way as to eliminate any dust, vapors, or odors from entering into the interior spaces. Every precaution necessary to achieve this shall be implemented.
- B. Adhere to the manufacturer's printed instructions regarding weather and climate condition restrictions on the use of all materials supplied in this section.
- C. Do not apply the materials if it is raining or if rain is imminent. Take proper precautions to protect newly placed and completed repairs from weather conditions such as strong wind or rain.
- D. Do not man scaffolds or lift equipment in wind or rain conditions that makes working dangerous.
- E. Protection: Precautions shall be taken to avoid damage to any surface near the work area due to slippage.
- F. Barricades: Erect temporary barricades and railings, to prevent people from entering the project area. Coordinate with the Owner on final location and placement.

3.02 PROTECTION OF WORK

- A. Do not allow construction loads to exceed the loads that a structural member or structure is safely capable of supporting without damage. Provide supplemental support if construction loads are expected to exceed safe load capacity.
- B. Use all means necessary to protect the materials of this section before and during installation and to protect this work and the work of all other trades. In the event of damage during installation, immediately make repairs and replacements necessary to the approval of the Owner at no additional cost to the Owner.
- C. Protect repair materials from environmental damage by weather events during the length of the curing period.

3.03 REPAIR QUANTITY VERIFICATION

- A. Locate the area of unsound concrete or delamination based on the construction drawings. Verify the dimensions shown in the drawing, using hammer-sounding or chain-drag sound methods in accordance with ASTM D4580. Denote and

mark perimeter boundaries and notify the Architect to approve the unsound concrete layout boundaries.

- B. If the size of the item differs during repair from the approved dimensions due to unforeseen conditions, notify the Architect prior to commencing concrete repair work for approval.
- C. If additional spalls/ delaminations, or cracks that are not shown on the construction drawings are found mark the repair perimeter with spray paint or chalk and, notify the Architect prior to commencing concrete repair work for approval.

3.04 EQUIPMENT FOR CONCRETE SPALL PREPARATION

- A. Means and methods used for concrete removal and surface preparation must be selected and used such as to minimize damage to the structure and to the concrete substrate that remains.
- B. Equipment for Concrete Removal: Removal equipment and techniques must be suitable to produce concrete surface profiles and a level of cleanliness in designated areas as required by this specification and the Contract Documents.
 - 1. Cutting Equipment: Cutting, lifting, and transporting equipment must be adequate to cut, support, and transport concrete sections without incurring any damage to the existing structure.
 - 2. Concrete Breakers: Provide sharp tips on breaker equipment to minimize microcracking damage in partial depth removal.
- C. Materials for Formwork and Embedded Items
 - 1. Install and remove formwork without damaging or staining the existing structure or repairing material.
 - 2. Forms used for polymer concrete/mortars must be tight enough to hold the material that is used without leaking. All surfaces where bond is not desired, but which are exposed to the monomer or resin, must be treated with a form release agent.

3.05 CONCRETE REPAIR SURFACE PREPARATION

- A. Before removing any concrete, the perimeter of the spall area shall be sawcut to a depth of 3/4 inch all around, ensuring that no rebars are cut or damaged in any way. No "feathering" of patching material shall be allowed.
- B. All loose, soft, honey-combed, disintegrated concrete, plus 3/4 inch minimum depth of concrete beyond the back face of the rebar within the spall area shall be removed by chipping or hand dressing until only sound concrete remains.
 - 1. Such chipped areas and adjoining areas shall be further sounded by tapping with a hammer. Areas emitting a hollow sound indicating unsound

and delaminated concrete with voids shall be further chipped to sound concrete.

2. Partially exposed reinforcing steel or steel exposed during the concrete chipping process shall be fully exposed throughout their length within the repair area. There shall be a minimum of 3/4 inch of clear distance between the reinforcing steel and the chipped surface of the existing concrete.
- C. All un-chipped surfaces that will receive new material shall be mechanically roughened to the greater of a 1/8 inch amplitude (CSP-5) or manufacturer's recommendation.
- D. Exposed steel reinforcing and structural steel shall be cleaned to remove all loose and built-up rust, asphalt residue, and all other contaminants detrimental to achieving an adequate bond. It may be necessary to use hand tools to remove the scale from the reinforcing steel.
- E. The Contractor shall supply and place additional reinforcing steel as directed by the Architect when the existing reinforcing steel has a section loss of 25% or greater after cleaning.
- F. If required by the manufacturer, the reinforcing steel shall receive two (2) coats of corrosion-inhibiting bonding agent at 20 mils each, a total of 40 mils DFT. If bonding agent on the concrete surface is recommended by the manufacturer, the contractor shall follow the manufacturer's specifications for the recommended time between the application of the bonding agent and patching mortar.
- G. The surface shall be free of dust, debris, spalls, laitance and all traces of foreign material. If necessary, detergent cleaning shall precede blast cleaning to ensure the removal of contaminants that are detrimental to achieving an adequate bond. Ultra-high hydro-demolition of 10,000 psi or more is an acceptable method of total surface preparation.
- H. Immediately prior to placing the repair mortar or concrete, the Contractor shall thoroughly clean the existing concrete surfaces and formed repair areas and apply a low resistivity bonding agent or cement slurry as recommended by the repair mortar manufacturer.
- I. Any additional surface preparation shall be in accordance with the manufacturer's recommendations for the patching material which is used.

3.06 CONCRETE SPALL REPAIR INSTALLATION

- A. The mixing, proportioning, placing and curing procedures, as well as, tools, equipment, labor and materials used shall be in accordance with the manufacturer's specifications and recommendations. The finished surface of the repair area shall be flush with the surrounding area and conform to the original concrete surface.
- B. Do not cut and patch construction in a manner that results in visual evidence of cutting and patching. Remove and replace construction that has been cut and

patched in a visually unsatisfactory manner. All patching material shall be sanded smooth after the repair is complete and material curing is complete. The finish surface shall be flush with the surrounding concrete surface, and shall not be visually evident after application of the coating. Failure to accomplish this shall require the Contractor to remove the coating, and further sand the surface until flush at no cost to the Owner.

- C. Where existing components are removed, the contractor shall repair, patch, and finish all flooring, wall, and ceiling surfaces to match the existing condition.
- D. Before patching, verify compatibility with and suitability of substances, including compatibility with in-place finishes or primers.

3.07 CURING

- A. Patches shall be cured in accordance with the manufacturer's recommendations.

3.08 IN-PLACE TEST OF REPAIRS

- A. Utilizing a 2-pound hammer, test all completed concrete spall repairs to locate hollow or ringing-sounding areas. A hollow sound generally will indicate that either the repair material has not completely filled the space from which the damaged concrete was removed or that it has not adequately bonded to the concrete substrate. Submit a revised method of installation to prevent the non-compliant work from happening again.
- B. The Contractor shall remove the repair mortar from hollow or ringing sounding areas, prepare the surfaces of the exposed reinforcing bars and the sound concrete substrate, if necessary, form and then place, cure, and finish the new repair mortar at no additional cost to the Owner. Upon completion, the repairs will be retested by the Architect.
- C. The sizes, locations, and types of repair work specified on the drawings are intended to be approximate only. The actual amount and type of repair work to be done shall be determined after completion of the removal work.

3.09 CRACK REPAIR BY GRAVITY FLOW

- A. Locate and identify the crack, and sound surface, and mark the extent for approval if it is different from what is shown in the drawing.
- B. Remove dust, laitance, grease, curing compounds, waxes, impregnations, foreign particles, efflorescence, and other bond-inhibiting materials from the surface.
- C. If the crack surface is packed solid with dirt/or debris, remove the debris by routing the crack surface with a crack chaser or grinder, and follow up with compressed air to remove fines. Prior to application, blow the crack out with oil-free compressed air.
- D. Allow the repair area to dry for at least 24 hours before applying the resin.

- E. Prepare the surface per the manufacturer's recommendations and repair cracks using the gravity feed method.
- F. Resin for gravity feed shall be epoxy or high molecular weight methacrylates (HMWM) with maximum viscosities of 200 cps. Should moisture be present within cracks epoxy should be used as the resin.
- G. Remove excessive resin and match the texture and appearance of the surrounding concrete.

3.10 CRACK REPAIR BY PRESSURE INJECTION

- A. Locate and identify the crack, and sound surface, and mark the extent for approval if it is different from what is shown in the drawing. Do not mark over the crack.
- B. Remove dust, laitance, grease, curing compounds, waxes, impregnations, foreign particles, efflorescence, and other bond-inhibiting materials from the surface.
- C. If crack surface is packed solid with dirt/or debris, remove the debris by routing the crack surface with crack chaser or grinder, follow up with compressed air to remove fines. Prior to application, blow crack out with oil-free compressed air.
- D. Allow the repair area to dry for at least 24 hours before applying epoxy.
- E. Where the concrete surface adjacent to the crack are deteriorated, "v" groove the crack until sound concrete is reached.
- F. Prepare surface per manufacturer's recommendations and repair cracks using the injection method.
- G. Epoxy shall conform to ASTM C881 specifications.
- H. Remove excessive epoxy and match the texture and appearance of the surrounding concrete.

3.11 CLEANING

- A. Surfaces Not Involved in the Repairs: Adjacent surfaces damaged by staining left by concrete work, or other concrete materials shall be completely restored to the original new conditions with respect to color and texture to the acceptance of the Owner.
- B. Remove debris and rubbish from the site daily. Prevent debris and rubbish from entering the waterway. Debris and rubbish shall not be allowed to accumulate on the site. Debris shall be removed and transported in a manner that will prevent spillage into the open channel, onto the adjacent ground and streets.

- C. Upon completion of the work, remove all materials, tools, forming materials, catchments, work platforms, refuse, and debris generated by the work specified in this section.
- D. Cracks Repaired by Gravity Flow
 - 1. The uncured epoxy resin adhesive can be cleaned from tools with an approved solvent. The cured epoxy resin adhesive can only be removed mechanically.
 - 2. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.
- E. Cracks Repaired by Pressure Injection
 - 1. After the epoxy resin adhesive for grouting has cured, the epoxy resin adhesive for sealing cracks and porting devices shall be removed as required by the Owner. Clean the substrate in a manner to produce a finish appearance acceptable to the Owner.
 - 2. The uncured epoxy resin adhesive can be cleaned from tools with an approved solvent. The cured epoxy resin adhesive can only be removed mechanically.
 - 3. Leave finished work and work area in a neat, clean condition without evidence of spillovers onto adjacent areas.

END OF SECTION

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

SECTION 07601 - STAINLESS STEEL REPAIR

PART 1 - GENERAL

- 1.01 GENERAL PROVISIONS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 DESCRIPTION OF WORK: Provide stainless steel hole repair where indicated or required by removal of compression seal and fasteners.
- 1.03 SUBMITTALS

Sample: Submit 3 samples of drilled and filled holes similar to the type to be found on this project for acceptance and to establish level of quality to be accepted for this project.

PART 2 - PRODUCTS

- 2.01 PRODUCT/MATERIAL
- A. Stainless Steel Sheets: ASTM A 167, Type 304L, with a No. 4 finish on all visible surfaces, thickness as indicated.
- B. Fasteners: Stainless steel as indicated with non-ferrous expansion shields.
- C. Welding Rods: Compatible with existing Type 304L or type stainless steel as found at existing gutter.

PART 3 - EXECUTION

- 3.01 SHEET METAL REPAIR
- A. Welding: Weld holes shut with excess metal on exposed working surfaces ground off and finished smooth to match adjoining surfaces. Welds shall be free of pits, runs, spatter and cracks, and shall have the same color as the adjoining surfaces. Joints may be welded by any process other than by carbonarc welding or any process that permits carbon pickup.
- B. Grinding, Polishing, and Finishing: Exposed welded holes shall be ground flush with the adjoining existing material and finished to match the adjoining surface. Ground surfaces shall then be polished or buffed to match adjoining surfaces. In grinding operations, care shall be exercised to avoid excessive heating of the metal and metal discoloration.

Abrasives, wheels, and belts used in grinding shall be iron free and shall not have been used on carbon steel. In all cases, the grain of rough grinding shall be removed by several successively finer polishing operations. The texture of the final polishing operation shall be uniform and smooth. The existing stainless steel has aged and it is anticipated that the new ground finish at the filled holes will appear cleaner than the areas not repaired. This is acceptable as long as the repair work is consistent and does not affect the remaining surfaces in a patchwork manner.

- 3.02 DECK PLATE: Fabricate donut shaped plates as indicated with ground edges and countersunk fasteners.
- 3.03 CLEANING: Prior to acceptance of the project, clean all exposed surfaces of repaired stainless steel and leave free of defects, damage, and blemishes.

END OF SECTION

SECTION 07920 - SEALANTS

PART 1 - GENERAL

- 1.01 GENERAL PROVISIONS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 DESCRIPTION OF WORK: Completely close with sealant all joints indicated or specified to be sealed to a watertight condition.
- 1.03 SUBMITTALS
- A. Manufacturer's Data: Submit copies of manufacturer's product data and specifications for type of sealant required, to the Officer-in- Charge for acceptance.
 - B. Material Safety Data Sheets (MSDS): Submit MSDS for each sealant product.
 - C. Color Samples: Three (3) sets each of color finish samples of sealants.
- 1.04 GUARANTY
- A. Provide a written guaranty on the sealant for the (2) year period after the project acceptance date. The guaranty shall provide for the repair and replacement of all defective sealant installation, leaks, and/or damage to the pool and/or its finishes caused by the faulty sealant at no cost to the City.
- 1.05 JOB CONDITIONS
- A. Examine joint surfaces and their anchorage to the substrate and conditions under which joint sealer work is to be performed, and notify Contractor in writing of conditions detrimental to proper completion of the work and performance of sealers. Do not proceed with joint sealer work until unsatisfactory conditions have been corrected in a manner approved by the Installer.
 - B. Weather Conditions: Do not proceed with installation of sealants under adverse weather conditions. Proceed with the work only when weather conditions are favorable for proper cure and development of high early bond strength.
- 1.06 PRODUCT HANDLING
- Delivery: Deliver sealants to the jobsite in sealed containers labeled to show the designated name, formula, or specification number, lot number, color, date of manufacture, shelf life, curing time, manufacturer's directions, and name of manufacturer.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Sealants: 100% silicone sealant, conforming to ASTM C 920 and ASTM C 794, specifically recommended for swimming pools.
 - 1. Provide Custom Building Products Commercial 100% Silicone Sealant, or approved substitute acceptable to the Officer-in-Charge.
- B. Primer for Sealants: Nonstaining, as recommended by the sealant manufacturer.
- C. Masking Tape: Nonstaining, nonabsorbent type compatible with joint sealants and to surfaces adjacent to joints.

PART 3 - EXECUTION

- 3.01 MANUFACTURER'S INSTRUCTIONS: Comply with manufacturer's printed instructions except where more stringent requirements are shown or specified, and except where manufacturer's technical representative directs otherwise.
- 3.02 EXAMINATION: Examine joints indicated to receive joint sealers, with Installer present, for compliance with requirements for joint configuration, installation tolerances and other conditions affecting joint sealer performance. Do not proceed with installation of joint sealers until unsatisfactory conditions have been corrected.
- 3.03 JOINT PREPARATION
 - A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealers to comply with recommendations of joint sealer manufacturers and the following requirements:
 - 1. Remove all foreign material from joint substrates which could interfere with adhesion of joint sealer, including dust; paints, except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer: oil; grease; waterproofing; water repellants; water; and surface dirt.
 - 2. Clean concrete, unglazed surfaces of ceramic tile, plaster, and similar porous joint substrate surfaces, by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealers. Remove loose particles remaining from above cleaning operations by vacuuming or blowing out joints with oil-free compressed air.
 - 3. Remove laitance and form release agents from concrete.
 - 4. Steel Surfaces in Contact with Sealant: Scrape and wirebrush to remove loose mill scale. Remove dirt, oil, or grease by solvent cleaning, and wipe surfaces with clean cloths.

5. Clean metal and other nonporous surfaces by chemical cleaners or other means which are not harmful to substrates or leave residues capable of interfering with adhesion of joint sealers.
- B. Joint Priming: Prime joint substrates where indicated or where recommended by joint sealer manufacturer based on preconstruction joint sealer-substrate tests or prior experience. Apply primer to comply with joint sealer manufacturer's recommendations. Confine primers to areas of joint sealer bond, do not allow spillage or migration onto adjoining surfaces.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces which otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.04 INSTALLATION OF JOINT SEALERS

- A. General: Comply with joint sealer manufacturers' printed installation instructions applicable to products and applications indicated, except where more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations of ASTM C 1193 for use of joint sealants as applicable to materials, applications and conditions indicated.
- C. Installation of Sealants: Install sealants by proven techniques that result in sealants directly contacting and fully wetting joint substrates, completely filling recesses provided for each joint configuration, and providing uniform, cross-sectional shapes and depths relative to joint widths which allow optimum sealant movement capability.
- D. Tooling of Nonsag Sealants: Immediately after sealant application and prior to time skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated, to eliminate air pockets, and to ensure contact and adhesion of sealant with sides of joint. Remove excess sealants from surfaces adjacent to joint. Do not use tooling agents which discolor sealants or adjacent surfaces or are not approved by sealant manufacturer.
 1. Provide concave joint configuration per Figure 5A in ASTM C 1193, unless otherwise indicated.
 2. Provide flush joint configuration per Figure 5B in ASTM C 1193, where indicated.

3.05 CLEANING: Clean off excess sealants or sealant smears adjacent to joints as work progresses by methods and with cleaning materials approved by manufacturers of joint sealers and of products in which joints occur.

3.06 PROTECTION: Protect joint sealers during and after curing period from contact with contaminating substances or from damage resulting from construction operations or other causes so that they are without deterioration or damage at time of Substantial Completion.

If, despite such protection, damage or deterioration occurs, cut out and remove damaged

or deteriorated joint sealers immediately and reseal joints with new materials to produce joint sealer installations with repaired areas indistinguishable from original work.

END OF SECTION

DIVISION 9 - FINISHES SECTION

09200 - PLASTER

PART 1 - GENERAL

1.01 GENERAL PROVISIONS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS

1.02 DESCRIPTION OF WORK

A. Provide all plaster and related work indicated or required by drawings and as specified herein.

B. Related Work Described Elsewhere:

1. Sealants are specified under Section 07920 - SEALANTS.

2. Work shall include providing a tent (sun screen over the pool area to screen the new plaster installation from the sun from the start of tile installation until the pool is refilled as specified in Section 02073 - REMOVAL AND PATCHING WORK.

1.03 SUBMITTALS

A. Product Data: Submit manufacturer's technical information and installation instructions for selected plaster materials.

B. Material Safety Data Sheets (MSDS): Submit MSDS for each product.

C. Samples: Submit 4 each samples of plasters required to the Officer-in-Charge for review and acceptance and for color and texture selection. Identify samples as to grade and manufacturer. Submit samples of selected color and texture required, not less than 12-inch square, mounted on plywood or hardboard backing.

D. Certificate: Before installation of ceramic tile, submit to Officer-in-Charge the Standard Form of Master Grade Certificate signed by the Installer and Manufacturer, stating grade and kind of plaster. Deliver all packages of plaster to the job in sealed cartons bearing grade seals in compliance with ANSI/APSP/ICC/NPC-12 2016. Provide a letter from the manufacturer stating the minimum recommended cure time prior to filling of the pool.

E. Installation Specifications: Submit manufacturer's installation specifications.

1.04 GUARANTY

A. Provide a written guaranty for (2) years against defects resulting from the use of defective or inferior materials, equipment or workmanship from the project acceptance date. Defects shall include but not be limited to crazing, delamination,

etching, mottling and discoloration. Defective materials and workmanship shall be redone at no cost to the City.

1.05 QUALITY ASSURANCE

- A. Submit qualifications of the installer. The contractor installing the work shall have a minimum of 5 years of recent experience. Submit a resume listing a minimum of 3 projects of similar work along with references for the project.
- B. Coordinate all work with the general contractor and all other disciplines to provide a complete and usable project satisfactory to the City.

1.06 DELIVERY, STORAGE AND HANDLING: Protect plaster materials and accessories during storage and construction against moisture, soiling, staining, and physical damage.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Waterproofing and Crack Suppression Membranes for Plaster Installations: Standard grade, complying with ANSI A118.10 and suitable for underwater use in swimming pools.
- B. Swimming Pool Plaster: Standard grade, complying with ANSI/APSP/ICC/NPC-12 2016 and specifically recommended for underwater use in swimming pools. The Contractor shall submit test reports, from an independent laboratory, indicating conformance of the plaster to ANSI/APSP/ICC/NPC-12 2016 upon request by the Officer-in-Charge. Standard quality plaster type in color and finishes as scheduled for the pool field. Provide all trim shapes including trim stretchers as detailed and/or as required.

2.02 MANUFACTURERS

- A. Waterproofing and Crack Suppression Membranes for Plaster Installations
 - 1. Basis-of-Design product by Manufacturer:
 - a. Miracote MiraFlex Waterproofing System
 - b. Custom Building Products RedGard Waterproofing and Crack Prevention Membrane (Liquid Applied)
- B. Swimming Pool Plaster
 - 1. Basis-of-Design product by Manufacturer: Quartzscapes, 1200 North Nimitz Highway, Honolulu, HI 96817.
 - a. Commercial Quartz Blend
 - b. Color: White

- C. Other manufacturers offering products similar in design and quality, and in compliance with specifications, or approved substitutes, are allowed.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates and areas where plaster will be installed for compliance with requirements for installation tolerances and other conditions affecting performance of installed plaster.
 - 1. Verify that substrates for installing plaster are firm, dry, clean, and free from oil or waxy films and curing compounds.
 - 2. Verify that all substrate repair and repair of stainless steel and similar items located in or behind plaster have been completed before installing plaster.
- B. Report unsatisfactory conditions to the Contractor for corrective measures; send copy of report to the Officer-in-Charge. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION, GENERAL

- A. ANSI Plaster Installation Standard: Comply with ANSI / APSP / ICC / NPC-12 2016 series of plaster installation standards, "Plastering of Swimming Pools and Spas".
- B. Extend plaster work to form a complete covering without interruptions except as otherwise shown. Terminate work neatly at obstructions, edges, and corners without disrupting continuous surface.
- C. Accurately form intersections and returns. Fit plaster closely to fixtures and other penetrations.
- D. Tile lane markers shall be accurately layed out and shall not deviate more than 1/4-inch in true alignment.
- E. Expansion Joints: Locate expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated during installation of plaster. Do not saw cut joints after installation of plaster. Locate joints in plaster surfaces directly above joints in concrete substrates.
- F. Curing: Cure in accordance with applicable ANSI installation procedure.

3.02 POOL INSTALLATION METHODS: Install plaster to comply with requirements indicated below for ANSI installation methods related to types of substrate construction.

- 1. Plaster Installation: Comply with ANSI / APSP / ICC / NPC-12 2016. Old plaster must be completely removed and pool shell surface must be assessed for damage before plaster installation may begin. Pool shell

surface must be primed prior to applying plaster. Bond coat to then be applied.

Wet the concrete one to two hours prior to application of the plaster. No surface water is to remain at the time of plaster application. Apply plaster in sections from deep end to shallow end, smoothing out and evening the coats of plaster meticulously. Work in small sections until entire pool circumference is covered, and avoid stopping in the middle of the work as this may leave unsightly marks where layers don't blend together properly. Clean away excess debris with water before it hardens. Once it hardens, do not touch or disturb plaster. Fill pool with water and allow plaster to cure per ANSI / APSP / ICC / NPC-12 2016 standards.

3.03 INSPECTION:

- A. Officer-in-Charge to inspect finished plaster surface for acceptance.
- B. Contractor shall ensure that all debris and residue is removed from all drains and piping and all protective coverings are removed.

3.04 CLEANING AND PROTECTION:

- A. Cure Time: Provide a letter from the manufacturer of the plaster stating the minimum recommended cure time prior to filling of the pool. Comply with that recommendation.
- B. Cleaning: Upon completion of plaster, clean all surfaces so they are free of foreign matter.
 - 1. Clean in accordance with applicable ANSI installation procedure.
 - 2. Protect metal surfaces from effects of acid cleaning. Flush surface with clean water before and after cleaning.
- C. Finished Plaster Work: Leave finished installation clean and free of defective work.
- D. Provide final protection and maintain conditions in a manner acceptable to manufacturer and installer that ensures that plaster is without damage or deterioration at time of Substantial Completion.
 - 1. When recommended by plaster manufacturer, apply a protective coat of neutral protective cleaner to completed plaster. Protect installed plaster work during construction period to prevent staining, damage, and wear.
 - 2. Prohibit foot and wheel traffic from plaster surfaces until plaster is fully cured.
 - 3. During curing process, plaster must be kept wet at all time.
- E. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

END OF SECTION

DIVISION 9 - FINISHES

SECTION 09310 - CERAMIC TILE

PART 1 - GENERAL

- 1.01 GENERAL PROVISIONS: The General Terms and Conditions, City and County of Honolulu (not specifically attached), the Special Provisions, and all other applicable documents preceding these specifications shall govern all work specified hereinafter in all DIVISIONS AND SECTIONS.
- 1.02 DESCRIPTION OF WORK
- A. Provide all tile and related work indicated or required by drawings and as specified herein.
 - B. Related Work Described Elsewhere:
 - 1. Sealants are specified under Section 07920 - SEALANTS.
 - 2. Work shall include providing a tent (sun screen over the pool area to screen the new tile installation from the sun from the start of tile installation until the pool is refilled as specified in Section 02073 - REMOVAL AND PATCHING WORK.
- 1.03 SUBMITTALS
- A. Product Data: Submit manufacturer's technical information and installation instructions for selected tile and grout materials.
 - B. Material Safety Data Sheets (MSDS): Submit MSDS for each product.
 - C. Samples: Submit 4 each samples of various tiles and trims required to the Officer-in-Charge for review and acceptance and for color and pattern selection. Identify samples as to grade and manufacturer. Submit samples of selected tile and color required, not less than 12-inch square, mounted on plywood or hardboard backing, with selected colored grout.
 - D. Certificate: Before installation of ceramic tile, submit to Officer-in-Charge the Standard Form of Master Grade Certificate signed by the Installer and Manufacturer, stating grade and kind of tile. Deliver all packages of tile to the job in sealed cartons bearing grade seals in compliance with ANSI A137.1. Provide a letter from the manufacturer of the thin-set mortar and joint grout stating the minimum recommended cure time prior to filling of the pool.
 - E. Installation Specifications: Submit manufacturer's installation specifications.
- 1.04 GUARANTY
- A. Provide a written guaranty for (2) years against defects resulting from the use of defective or inferior materials, equipment or workmanship from the project

acceptance date. Defects shall include but not be limited to tile and grout that has delaminated from the substrate, popped-out, or fallen off. Defective materials and workmanship shall be redone at no cost to the City.

1.05 QUALITY ASSURANCE

- A. Submit qualifications of the installer. The contractor installing the work shall have a minimum of 5 years of recent experience. Submit a resume listing a minimum of 3 projects of similar work along with references for the project.
- B. Coordinate all work with the general contractor and all other disciplines to provide a complete and usable project satisfactory to the City.

1.06 DELIVERY, STORAGE AND HANDLING: Protect tile, mortar materials and accessories during storage and construction against moisture, soiling, staining, and physical damage.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Waterproofing and Crack Suppression Membranes for Plaster Installations: Standard grade, complying with ANSI A118.10 and suitable for underwater use in swimming pools.
- B. Porcelain Pool Tiles: Standard grade, complying with ANSI A137.1 and specifically recommended for underwater use in swimming pools. The Contractor shall submit test reports, from an independent laboratory, indicating conformance of the tile to ANSI A137.1 upon request by the Officer-in-Charge. Standard quality, dust pressed, machine made porcelain type in size and finishes as scheduled for the pool field and for lane markers and targets. Provide all trim shapes including trim stretchers as detailed and/or as required.
- C. Mortar - Improved Modified Dry Set: Specifically recommended for use in swimming pools. Meeting ANSI A118.15. Custom Building Products Megalite, or approved substitute, to the Officer-in-Charge.
- D. Mortar - Polymer Modified: Specifically recommended for use in swimming pools. Custom Building Products Polymer-Modified Mortar Bed, or approved substitute, to the Officer-in-Charge.
- E. Grouting Materials: High Performance Cement Grout meeting ANSI A118.7, specifically recommended for swimming pools. Colors as indicated or selected by the Officer-in-Charge. Custom Building Products Prism or approved substitute.
- F. Factory Blending: For tile exhibiting color variations within the ranges selected during sample submittals, blend tile in factory and package accordingly so that tile units taken from one package show the same range in colors as those taken from other packages and match Officer-in-Charge accepted samples.

2.02 MANUFACTURERS

- A. Waterproofing and Crack Suppression Membranes meeting ANSI A118.10 & A118.12, for Plaster Installations
 - 1. Basis-of-Design product by Manufacturer: Custom Building Products
 - a. Custom Building Products RedGard Waterproofing and Crack Prevention Membrane (Liquid Applied)
 - b. Miracote MiraFlex Waterproofing System
- B. Porcelain Pool Tiles
 - 1. Basis-of-Design product by Manufacturer: Daltile, 1200 North Nimitz Highway, Honolulu, HI 96817.
 - a. Keystones collection with ClearFace mounting system (for ensuring adequate adhesion in swimming pool applications).
 - b. Sizes: 1X1 (field, confirm) and 2X2 (lane markings)
 - c. Colors: Light Blue (field, confirm) and Black (lane markings)
- C. Other manufacturers offering products similar in design and quality, and in compliance with specifications, or approved substitutes, are allowed.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine substrates and areas where tile will be installed for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.
 - 1. Verify that substrates for setting tile are firm, dry, clean, and free from oil or waxy films and curing compounds.
 - 2. Verify that all substrate repair and repair of stainless steel and similar items located in or behind tile has been completed before installing tile.
- B. Report unsatisfactory conditions to the Contractor for corrective measures; send copy of report to the Officer-in-Charge. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION, GENERAL

- A. ANSI Tile Installation Standard: Comply with parts of ANSI 108 series of tile installation standards included under "American National Standard Specifications for the Installation of Ceramic Tile" that apply to type of setting and grouting materials and methods indicated.
- B. TCA Installation Guidelines: TCA "Handbook for Ceramic Tile Installation"; comply with TCA installation methods indicated.
- C. Extend tile work to form a complete covering without interruptions except as otherwise shown. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- D. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to fixtures and other penetrations.
- E. Jointing Pattern: Unless otherwise shown, lay tile in grid pattern. Adjust to minimize tile cutting. Provide uniform joint widths unless otherwise shown.

For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets so that extent of each sheet is not apparent in finished work.

- F. Lane markers shall be accurately layed out and shall not deviate more than 1/4-inch in true alignment.
- G. Expansion Joints: Locate expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated during installation of setting materials and tile. Do not saw cut joints after installation of tiles. Locate joints in tile surfaces directly above joints in concrete substrates.
- H. For ceramic tile grouts shall comply with ANSI A108.10.
- I. Allow tiles to set a minimum of 48 hours prior to grouting. The grout shall be forced into the joints to the full depth. Take special care not to scratch glazed tile during this operation. Remove surplus grout before it has hardened and leave the face of the tile clean. Keep expansion and control joints free of grout.
- J. Sound tiles after setting to ensure proper bonding. Hollow sounding tiles shall be replaced.
- K. Curing: Apply reinforced kraft paper over horizontal tiled surfaces as soon as pointing or grouting is completed. Lap the paper not less than 6 inches and leave in place for 3 full days. Cure in accordance with applicable ANSI installation procedure.

- 3.02 POOL INSTALLATION METHODS: Install types of tile to comply with requirements indicated below for setting bed methods, TCA installation methods related to types of substrate construction and grout.

1. **Tile Installation:** Comply with ANSI A108.1B and A108.5. 100% coverage of the back of the tile is required. Wet the concrete one to two hours prior to application of the tile and thinset mortar. No surface water is to remain at the time of thinset application. Take special care to work the thinset mortar into the surface of the concrete and to fully "beat-in" the tile. Apply thinset mortar in areas no larger than two or three sheets of tile (2 or 3 square feet). Allow no "skinning" of mortar prior to tile application.
 2. **Grout:** As recommended by the grout manufacturer for pool installation.
- 3.03 **INSPECTION:**
- A. Officer-in-Charge may require removal of approximately 15 sheets of tile (15 sq. ft.), randomly selected during the tile application, to verify tile-back coverage and embedment. Contractor is to include costs for removal and replacement of these samples.
 - B. Contractor shall ensure that all debris and residue is removed from all drains and piping and all protective coverings are removed.
- 3.04 **CLEANING AND PROTECTION:**
- A. **Cure Time:** Provide a letter from the manufacturer of the thin-set mortar and joint grout stating the minimum recommended cure time prior to filling of the pool. Comply with that recommendation.
 - B. **Cleaning:** Upon completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
 1. Remove grout residue from tile as soon as possible. Clean in accordance with applicable ANSI installation procedure.
 2. Unglazed tile may be cleaned with acid solutions only when permitted by tile and grout manufacturer's printed instructions, but no sooner than 14 days after installation. Protect metal surfaces from effects of acid cleaning. Flush surface with clean water before and after cleaning.
 3. Remove temporary protective coating by method recommended by coating manufacturer that is acceptable to tile and grout manufacturer. Trap and remove coating to prevent it from clogging drains.
 - C. **Finished Tile Work:** Leave finished installation clean and free of cracked, chipped, broken, unbonded, and otherwise defective tile work.
 - D. Provide final protection and maintain conditions in a manner acceptable to manufacturer and installer that ensures that tile is without damage or deterioration at time of Substantial Completion.
 1. When recommended by tile manufacturer, apply a protective coat of neutral protective cleaner to completed tile. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear.

2. Prohibit foot and wheel traffic from tiled surfaces for at least 7 days after grouting is completed.
- E. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

END OF SECTION

WORK ORDER
CITY AND COUNTY OF HONOLULU
DEPARTMENT OF DESIGN AND CONSTRUCTION

PROJECT NAME Indefinite Delivery/Indefinite Quantity Contract Contract No: _____
Swimming Pool Tile and Plaster Work Order No: _____
Improvements – Phase 1 C2herps DO No: _____
PARK NAME: _____ Account No: _____
Date: _____
Contractor: _____
Address: _____

This Work Order \$ _____
Previously Issued WOs \$ _____
Total to Date \$ _____

SCOPE OF WORK:

Provide construction services for the demolition and replacement of existing plaster and/or tile finishes at _____
_____ swimming pool, including miscellaneous related work as described in the Contractor's cost proposal
dated _____, attached hereto and incorporated herein.

PAYMENT:

In accordance with Contract No. _____, the compensation of the CONTRACTOR for the work
described herein shall be the amount stated in this Work Order. The Contractor agrees that payments received for work
pursuant to this Work Order represents equitable compensation for all labor, materials, equipment, incidentals, and all cost both
direct and indirect, including impacts due to delays and increased time of performance to complete the work described herein.

Description	Compensation
See Attached Cost Proposal Schedule	
TOTAL COST FOR WORK ORDER:	\$

SCHEDULE:

Notice to Proceed Date of _____ for services included in Work Order No. _____. Contractor shall complete
performance of services within _____ (____) consecutive calendar days.

1) PREPARED BY:

Project Manager

3) APPROVED and ACCEPTED:

Contractor

5) APPROVED:

Director, Department of Design and Construction

2) REVIEWED AND CONCURRED:

Chief, Facilities Division

4) APPROVED AS TO FORM AND LEGALITY:

Deputy Corporation Counsel

Work Order No.:
Park Name:
Recreation District No.:

Cost Proposal Schedule					
Item No.	Estimated Quantity	Description	Detail #	Unit Price	Total Amount
1.	20	Mobilize and demobilize for one project site. Transport equipment to and from a single project site.	-	\$_____.____ per Site	\$_____.____
2.	105,300 Square Feet	Remove and replace field tiling: Pool sides and bottom	1,3,4/ SKS-16 1,2,4/ SKS-17	\$_____.____ per Square Foot	\$_____.____
3.	18,100 Square Feet	Remove and replace lane tiling: Lane markers	3/SKS-17	\$_____.____ per Square Foot	\$_____.____
4.	49,700 Square Feet	Remove and replace plaster	2,3/ SKS-16 1,2,4/ SKS-17	\$_____.____ per Square Foot	\$_____.____
5.	8,700 Square Feet	Spalling under tile (5% estimated quantity)	SKS-12	\$_____.____ per Square Foot	\$_____.____
6.	100 Square Feet	Spalling under coping	SKS-13	\$_____.____ per Square Foot	\$_____.____
7.	20	Spalling at stair handrail base	SKS-14	\$_____.____ per Repair	\$_____.____
8.	80	Spalling at pool handrail base and/or ladder	SKS-15	\$_____.____ per Repair	\$_____.____
9.	400 Linear Feet	Rebar corrosion repair (5% estimated quantity)	SKS-8	\$_____.____ per Linear Foot	\$_____.____
10.	400 Linear Feet	Cracking (structural)	SKS-10, SKS-11	\$_____.____ per Linear Foot	\$_____.____
11.	400 Linear Feet	Cracking (non-structural generic cracking)	SKS-9	\$_____.____ per Linear Foot	\$_____.____
12.	20	Special Inspection - Concrete spall repair and/or supplemental rebar/welding	-	\$_____.____ per Site Visit	\$_____.____
Total Sum Basic Bid (Item Nos. 1 through 12 inclusive)					\$_____.____

GENERAL:

- A. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE BUILDING CODE AS STATED BELOW. HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING TO OTHER STANDARDS THE MORE STRINGENT SHALL APPLY.
 - 1. CITY AND COUNTY OF HONOLULU: AMENDED IBC, 2018
- B. THE CONTRACTOR SHALL COMPARE ALL THE CONTRACT DOCUMENTS WITH EACH OTHER AND REPORT IN WRITING TO THE ARCHITECT ALL INCONSISTENCIES AND OMISSIONS.
- C. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS WITH THE DRAWINGS BEFORE COMMENCING WORK. REPORT IN WRITING TO THE ARCHITECT ALL INCONSISTENCIES AND OMISSIONS.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS OF CONSTRUCTION, WORKMANSHIP AND JOB SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED FOR STABILITY OF STRUCTURAL MEMBERS AND SYSTEMS.
- E. THE CONTRACTOR SHALL REFER TO SWIMMING POOL DECK ELECTRICAL IMPROVEMENTS FOR LOCATIONS OF BONDING SYSTEM CONDUCTORS.

DEMOLITION, REMOVAL AND RELOCATION WORK:

- A. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS (PRIOR TO BID) TO DETERMINE THE EXTENT OF ALL REQUIRED DEMOLITION WORK. THE REMOVAL OR DEMOLITION OF MATERIALS, ACCESSORIES, FIXTURES, ETC., SHALL BE COMPLETE AND INCLUDE ALL RELATED ITEMS TO THE EXTENT THAT FUTURE CONSTRUCTION CAN BE PERFORMED AND COMPLETED WITHOUT ADDITIONAL COST TO THE OWNER.
- B. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO INSURE AGAINST DAMAGE TO EXISTING ITEMS AND FEATURES REMAINING IN PLACE.
- C. THE CONTRACTOR SHALL REMOVE EXISTING ITEMS AS DEEMED NECESSARY SO THAT FUTURE WORK CAN BE PERFORMED AND ALSO, SO THAT ANY EXISTING ITEM IS NOT DAMAGED WHEN FUTURE WORK IS PERFORMED. THE CONTRACTOR SHALL ALSO INSTALL ANY OR ALL OF THE ITEMS, PATCH AND RESTORE SURROUNDING SURFACES AS REQUIRED AS PART OF THE WORK ACCEPTABLE TO THE ARCHITECT.
- D. THE CONTRACTOR SHALL PROTECT AND NOT DAMAGE THE COPPER BONDING CONDUCTORS.

**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
GENERAL NOTES

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-01		

SPECIAL INSPECTIONS:

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SPECIAL INSPECTION OF PORTIONS OF THE WORK AS REQUIRED BY THE BUILDING CODE IS MADE AT THE APPROPRIATE TIME. THE CONTRACTOR SHALL SUBMIT STATEMENT OF RESPONSIBILITY TO THE OWNER AND BUILDING DEPARTMENT PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL GIVE TIMELY NOTICE OF WHEN AND WHERE INSPECTIONS ARE TO BE MADE AND PROVIDE ACCESS FOR THE INSPECTOR. FREQUENCY OF INSPECTION IS DEFINED IN THE IBC, SECTION 1705 TABLES, AS AMENDED BY THE CITY. THE CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE OWNER AND PAY FOR RE-INSPECTION AS REQUIRED.
- B. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. THE INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE OWNER AND LICENSED ARCHITECT OR ENGINEER WHO IN TURN SHALL SUBMIT A WRITTEN STATEMENT TO THE CITY CERTIFYING RECEIPT OF THE FINAL INSPECTION LETTER AND DOCUMENTING THAT THERE ARE NO KNOWN UNRESOLVED CODE REQUIREMENTS.
- C. THE FOLLOWING TYPE OF WORK LISTED IN THE IBC, SECTION 1705, AS AMENDED BY THE CITY, REQUIRES SPECIAL INSPECTION:
 - 1. CONCRETE CONSTRUCTION
 - a. PLACEMENT OF REINFORCING STEEL INCLUDING PRESTRESSING TENDONS (INCLUDING STRESSING OF TENDONS)
 - b. REINFORCING STEEL WELDING.
 - c. BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.
 - d. PLACEMENT OF CONCRETE AND SHOTCRETE
 - e. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
 - f. POST INSTALLED CONCRETE BOLTS.

**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
GENERAL NOTES CONTINUED

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-02		

CONCRETE REHABILITATION:

- A. THE CONTRACTOR SHALL REVIEW AS-BUILT DRAWINGS PRIOR TO PERFORMING THE WORK. THESE DRAWINGS ARE AVAILABLE AT THE DEPARTMENT OF DESIGN AND CONSTRUCTION, CITY AND COUNTY OF HONOLULU. VERIFY LOCATION OF EXISTING REINFORCEMENT WITH AN ELECTROMAGNETIC REBAR LOCATOR BEFORE DRILLING HOLES INTO EXISTING CONCRETE. HOLES MAY NEED TO BE ADJUSTED TO AVOID EXISTING REINFORCEMENT.
- B. CONTRACTOR SHALL NOT DAMAGE, CUT OR DRILL THROUGH EXISTING REINFORCING OR BONDING WIRE THAT IS TO REMAIN AND AS NOTED ON PLANS. IF REINFORCING IS DAMAGED, THE CONTRACTOR SHALL INFORM THE ARCHITECT IMMEDIATELY AND SHALL BE RESPONSIBLE FOR REPAIRING THE DAMAGE AT CONTRACTOR'S SOLE EXPENSE AND TO THE SATISFACTION OF THE ARCHITECT.
- C. ALL HOLES WHICH NEED TO BE ABANDONED DUE TO THE PRESENCE OF REINFORCING, SHALL BE FILLED WITH NON-SHRINK GROUT.
- D. THE CONTRACTOR WILL NOT BE PAID FOR THE HOLES WHICH NEED TO BE FILLED AND ABANDONED. THE ARCHITECT SHALL REVIEW AND APPROVE ALL RELOCATED HOLES PRIOR TO INSTALLING DOWELS.
- E. ALL DRILLED HOLES FOR ANCHORS SHALL BE BRUSHED TO REMOVE LOOSE MATERIAL THEN CLEANED WITH COMPRESSED AIR, PRIOR TO INJECTING THE EPOXY.
- F. ANCHORING ADHESIVE SHALL BE A TWO-COMPONENT 100% SOLIDS EPOXY BASED SYSTEM SUPPLIED IN MANUFACTURER'S STANDARD SIDE-BY-SIDE CARTRIDGE AND DISPENSED THROUGH A STATIC-MIXING NOZZLE SUPPLIED BY THE MANUFACTURER. EPOXY SHALL MEET THE MINIMUM REQUIREMENTS OF ASTM C-881 SPECIFICATION FOR TYPE IV, GRADE 3, CLASS C AND MUST DEVELOP A MINIMUM OF 12,650 PSI COMPRESSIVE YIELD STRENGTH AFTER 7 DAY CURE. EPOXY MUST HAVE A HEAT DEFLECTION TEMPERATURE OF A MINIMUM 136°F (58°C). EPOXY SHALL BE FORMULATED FOR OPTIMUM PERFORMANCE IN BOTH CRACKED AND UNCRACKED CONCRETE.

**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
GENERAL NOTES CONTINUED

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-03		

SURFACE PREPARATION NOTES FOR SPALL REPAIRS:

- A. DETERIORATED CONCRETE SHALL BE REMOVED DOWN TO SOUND SUBSTRATE, OR TO THE SPECIFIED DEPTH AS NOTED IN THE SPALL REPAIR DETAILS. SAWCUT ALL EDGES MINIMUM OF 3/4" DEEP, NO FEATHERING OF PATCHING MATERIAL IS ALLOWED. AVOID CUTTING ANY REINFORCING STEEL WHEN SAWCUTTING. THE EXPOSED CONCRETE SHALL BE ROUGHENED TO A 1/8" AMPLITUDE AND SHALL BE CLEANED AND FREE OF LAITANCE, DUST AND OTHER BOND INHIBITING MATERIALS.
- B. ALL REINFORCING STEEL AND BONDING WIRE DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE AND TO THE SATISFACTION OF THE ARCHITECT.
- C. ALL LOOSE, SOFT, HONEY-COMBED, DISINTEGRATED CONCRETE, PLUS 3/4 INCH MINIMUM DEPTH OF CONCRETE BEYOND THE BACK FACE OF THE REBAR WITHIN THE SPALL AREA SHALL BE REMOVED.
- D. AFTER COMPLETION OF THE REMOVAL OPERATION, THE CONTRACTOR WILL RESOUND THE AREAS TO ENSURE THAT ONLY SOUND CONCRETE REMAINS.
- E. CLEANING SHALL PRECEDE APPLICATION OF THE PATCHING MATERIAL BY NOT MORE THAN 24 HOURS.

BONDING AGENT:

- A. AFTER THE CONCRETE SURFACES HAVE BEEN PREPARED AND CLEANED, AND IMMEDIATELY BEFORE PLACING THE CONCRETE PATCHING, A COAT OF BONDING AGENT SHALL BE APPLIED. THE SURFACE SHALL RECEIVE A THOROUGH AND EVEN COATING, AND EXCESS BONDING AGENT SHALL NOT BE PERMITTED TO COLLECT IN POCKETS. THE RATE OF PROGRESS IN APPLYING THE BONDING AGENT SHALL BE LIMITED SO THAT IT DOES NOT BECOME DRY BEFORE IT IS COVERED WITH THE CONCRETE PATCHING. SHOULD THE SURFACE OF THE BONDING AGENT DRY, THE DRIED BONDING AGENT SHALL BE COMPLETELY REMOVED AND FRESH BONDING AGENT APPLIED. REMOVAL SHALL BE BY SANDBLASTING OR BY ANOTHER PROCEDURE APPROVED BY THE ARCHITECT. THE REMOVAL OF BONDING AGENT SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
- B. THE BONDING AGENT SHALL PROVIDE CORROSION PROTECTION TO THE REINFORCING STEEL AND SHALL ACT AS A BONDING AGENT FOR THE FRESH PATCHING MORTAR. ALL EXPOSED REINFORCING STEEL SHALL RECEIVE TWO (2) COATS AT 20 MILS EACH, TOTAL OF 40 MILS. THE CONCRETE SURFACE SHALL RECEIVE ONE (1) COAT AT 20 MILS. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR RECOMMENDED TIME BETWEEN APPLICATION OF BONDING AGENT AND PATCHING MORTAR. THE MINIMUM BOND STRENGTH PROVIDED BY THE BONDING AGENT SHALL BE 2,000 PSI AFTER 14 DAYS (ASTM C-882).

**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
GENERAL NOTES CONTINUED

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
ASK: SKS-04		

POLYMER MODIFIED PATCHING MORTAR:

- A. PATCHING MORTAR SHALL BE A POLYMER MODIFIED MORTAR, HAVE HIGH ABRASION RESISTANCE AND SHALL BE SUITABLE FOR HORIZONTAL, VERTICAL AND OVERHEAD SURFACES. THE MINIMUM BOND STRENGTH PROVIDED BY THE PATCHING MORTAR SHALL BE 2,000 PSI AFTER 28 DAYS (ASTM C-882). REFER TO MANUFACTURER'S SPECIFICATIONS FOR PREPARATION AND APPLICATION GUIDANCE.

CURING:

- A. AS PER ACI RECOMMENDATIONS FOR PORTLAND CEMENT CONCRETE, CURING IS REQUIRED. FOLLOW THE MANUFACTURER'S RECOMMENDATION FOR CURING MATERIAL AND PROCEDURE.

MULTIPLE LIFTS:

- A. FOLLOW THE MANUFACTURER'S LIMITATIONS FOR MAXIMUM THICKNESS FOR APPLICATION OF PATCHING MORTAR. IF THE REQUIRED THICKNESS OF A REPAIR IS GREATER THAN THE SINGLE APPLICATION LIMIT, MULTIPLE LIFTS ARE REQUIRED. LARGE, UNCONFINED OR OVERHEAD REPAIRS MAY ALSO REQUIRE MULTIPLE LIFTS. IF SUCCESSIVE LIFTS ARE TO BE APPLIED, ROUGHEN THE SURFACE OF THE PREVIOUS LIFT AND APPLY SUBSEQUENT LIFTS WITHIN THE TIME PERIOD, BOTH AS RECOMMENDED BY THE MANUFACTURER.

**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
GENERAL NOTES CONTINUED

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-05		

SPALL REPAIR NOTES:

- A. REMOVE LOOSE OR DELAMINATED CONCRETE ABOVE CORRODED REINFORCING STEEL.
- B. ONCE INITIAL CONCRETE REMOVAL IS MADE, PROCEED WITH UNDERCUTTING OF ALL EXPOSED CORRODED BARS. PROVIDE MINIMUM $\frac{3}{4}$ " CLEARANCE BETWEEN EXPOSED REBARS AND SURROUNDING CONCRETE OR $\frac{1}{4}$ " LARGER THAN THE LARGEST AGGREGATE IN REPAIR MATERIAL, WHICHEVER IS GREATER.
- C. CONCRETE REMOVAL SHALL EXTEND ALONG THE BARS TO LOCATIONS ALONG THE BAR FREE OF BOND INHIBITING CORROSION, AND WHERE THE BAR IS WELL BONDED TO SURROUNDING CONCRETE.
- D. IF NON-CORRODED REINFORCING STEEL IS EXPOSED DURING THE UNDERCUTTING PROCESS, CARE SHALL BE TAKEN NOT TO DAMAGE THE BAR'S BOND TO SURROUNDING CONCRETE. IF BOND BETWEEN BAR AND CONCRETE IS BROKEN, UNDERCUTTING OF THE BAR SHALL BE REQUIRED.
- E. ANY REINFORCEMENT WHICH IS LOOSE SHALL BE SECURED IN PLACE BY TYING TO OTHER SECURED BARS OR BY OTHER APPROVED METHODS.
- F. INSPECT THE CONDITION OF THE NEWLY EXPOSED REBARS AFTER CONCRETE REMOVED. WHEN CORROSION HAS CAUSED SIGNIFICANT SECTION LOSS OF THE REBARS, PER TABLE SHOWN IN REBAR REPAIR CRITERIA, THE CONTRACTOR SHALL SPLICE A NEW SECTION OF REBAR INTO PLACE AS SHOWN IN REBAR WELDED SPLICE DETAIL OR REBAR SUPPLEMENT SPLICE DETAIL.
- G. COAT REBAR WITH CORROSION INHIBITOR IF RECOMMENDED BY MANUFACTURER.
- H. APPLY BONDING AGENT IF RECOMMENDED BY MANUFACTURER.
- I. REPAIR SPALL USING POLYMER MODIFIED CONCRETE PER MANUFACTURER'S RECOMMENDATION. FINISH SHOULD MATCH PATTERN OF EXISTING CONCRETE SURFACE.

SPECIAL NOTES FOR BONDING POINTS, WIRES, AND ELECTRICAL WORK:

- A. REPAIR ANY DAMAGE TO EXISTING BONDING POINTS OR WIRES RESULTING FROM SPALL REPAIRS.
- B. SEE ELECTRICAL NOTES AND SPECIFICATIONS FOR COMPLIANCE AND TESTING REQUIREMENTS.

**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
GENERAL NOTES CONTINUED

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-06		

CRACK REPAIR NOTES:

- A. LOCATE AND IDENTIFY CRACK, SOUND SURFACE AND MARK EXTENT FOR APPROVAL IF IT IS DIFFERENT FROM WHAT IS SHOWN IN THE DRAWING. DO NOT MARK OVER CRACK.
- B. REMOVE DUST, LAITANCE, GREASE, CURING COMPOUNDS, WAXES, IMPREGNATIONS, FOREIGN PARTICLES, EFFLORESCENCE AND OTHER BOND INHIBITING MATERIALS FROM THE SURFACE.
- C. IF CRACK SURFACE IS PACKED SOLID WITH DIRT/OR DEBRIS, REMOVE THE DEBRIS BY ROUTING THE CRACK SURFACE WITH CRACK CHASER OR GRINDER, FOLLOW UP WITH COMPRESSED AIR TO REMOVE FINES. PRIOR TO APPLICATION BLOW CRACK OUT WITH OIL-FREE COMPRESSED AIR.
- D. ALLOW THE REPAIR AREA TO DRY FOR AT LEAST 24 HOURS BEFORE APPLYING EPOXY.
- E. WHERE CONCRETE SURFACE ADJACENT TO THE CRACK ARE DETERIORATED, "V" GROOVE THE CRACK UNTIL SOUND CONCRETE IS REACHED.
- F. PREPARE SURFACE PER MANUFACTURER'S RECOMMENDATIONS AND REPAIR CRACKS USING INJECTION METHOD.
- G. EPOXY SHALL CONFORM TO ASTM C-881/AASHTO M-235 SPECIFICATIONS.
- H. REMOVE EXCESSIVE EPOXY AND MATCH TEXTURE AND APPEARANCE OF SURROUNDING CONCRETE.

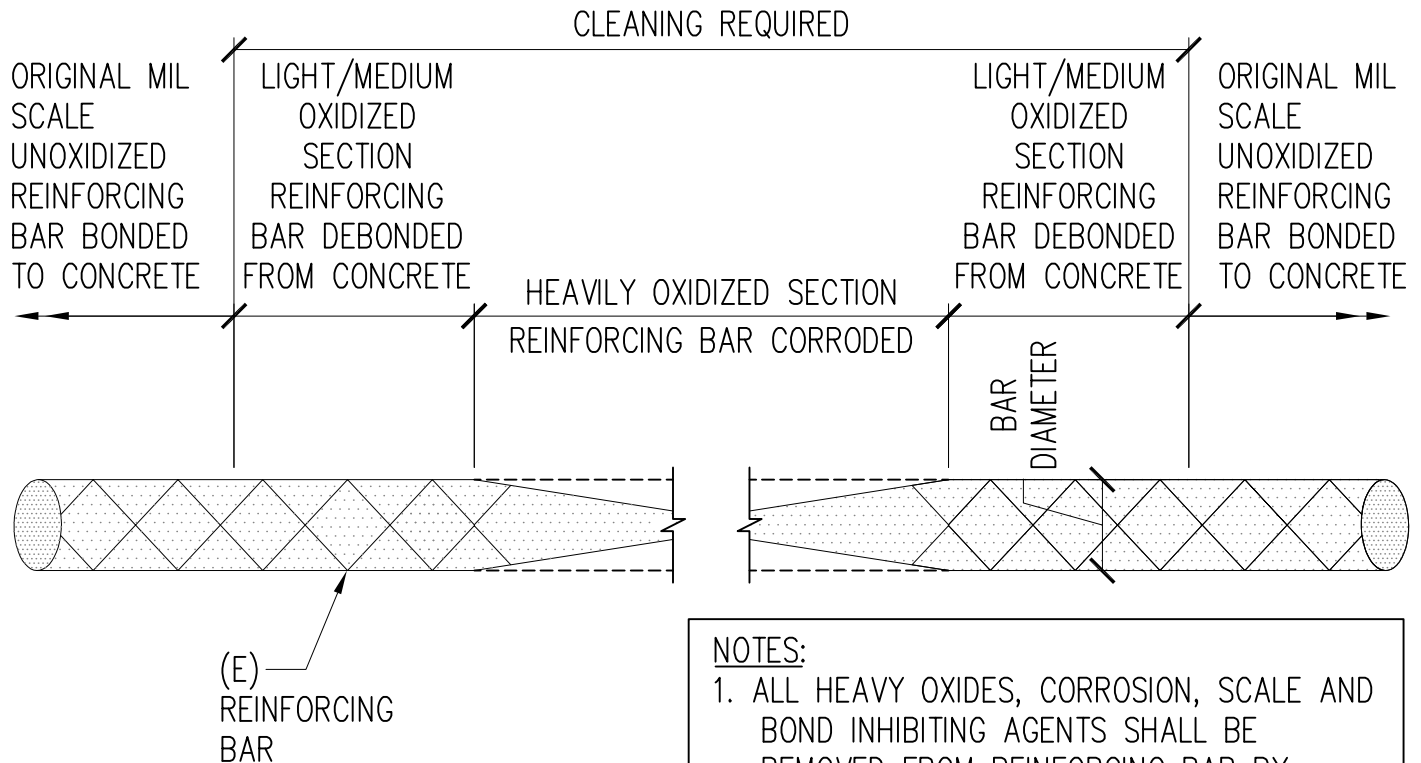
**DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS**

KAI HAWAII, INC.

SHEET:
SPALL REPAIR NOTES

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-07		



NOTES:

1. ALL HEAVY OXIDES, CORROSION, SCALE AND BOND INHIBITING AGENTS SHALL BE REMOVED FROM REINFORCING BAR BY MECHANICAL MEANS IF REQUIRED. ABRASIVE BLAST SHALL BE FREE OF OIL. TIGHTLY BONDED LIGHT OXIDE BUILD-UP ON THE SURFACE MAY RESULT AFTER BLAST CLEANING. THIS IS ACCEPTABLE UNLESS COATING MANUFACTURER REQUIRES CLEANER REINFORCING BAR SURFACE.
2. CHECK REMAINING SECTION IN ACCORDANCE WITH CHART, WHEN DIAMETER IS LESS THAN MINIMUM, CONTACT ARCHITECT.

MINIMUM ALLOWABLE BAR DIAMETER CHART

EXISTING BAR SIZE	DIAMETER
#4	$\frac{3}{8}$ "
#5	$\frac{1}{2}$ "
#6	$\frac{5}{8}$ "
#7	$1\frac{1}{16}$ "
#8	$1\frac{3}{16}$ "
#9	$\frac{7}{8}$ "

REBAR REPAIR CRITERIA

1

SKS-8

NOT TO SCALE

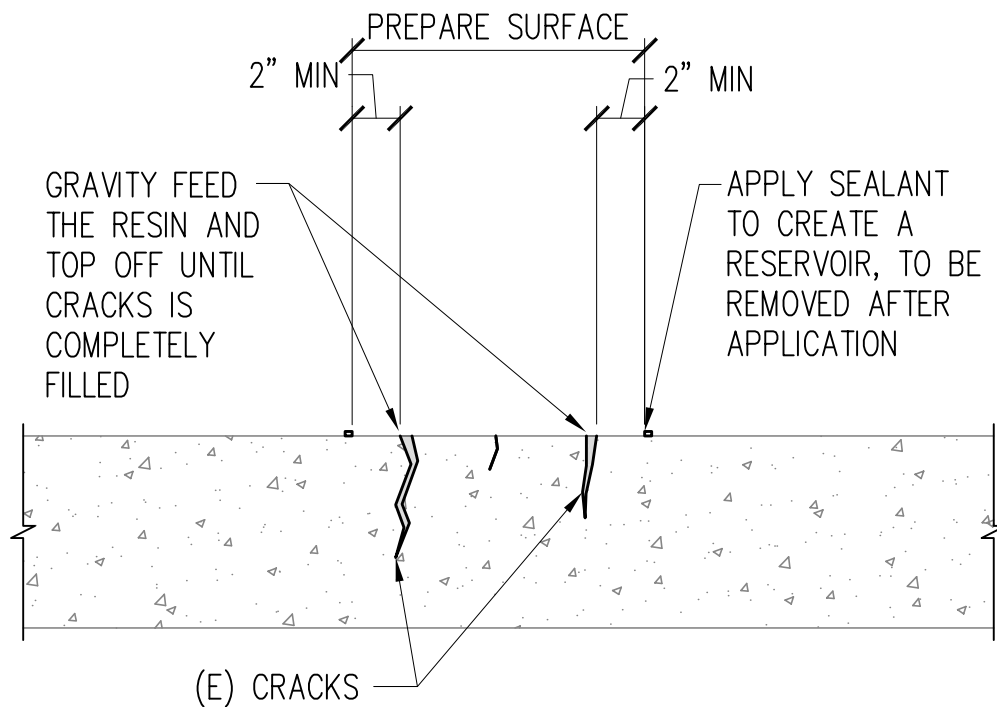
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS

KAI HAWAII, INC.

SHEET:
REBAR CORROSION REPAIRS

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-8



CRACKS LESS THAN 0.02"
 NON-STRUCTURAL (NON ACTIVE)

CONCRETE NON-STRUCTURAL HORIZONTAL CRACK REPAIR DETAIL

1
 SKS-9

NOT TO SCALE

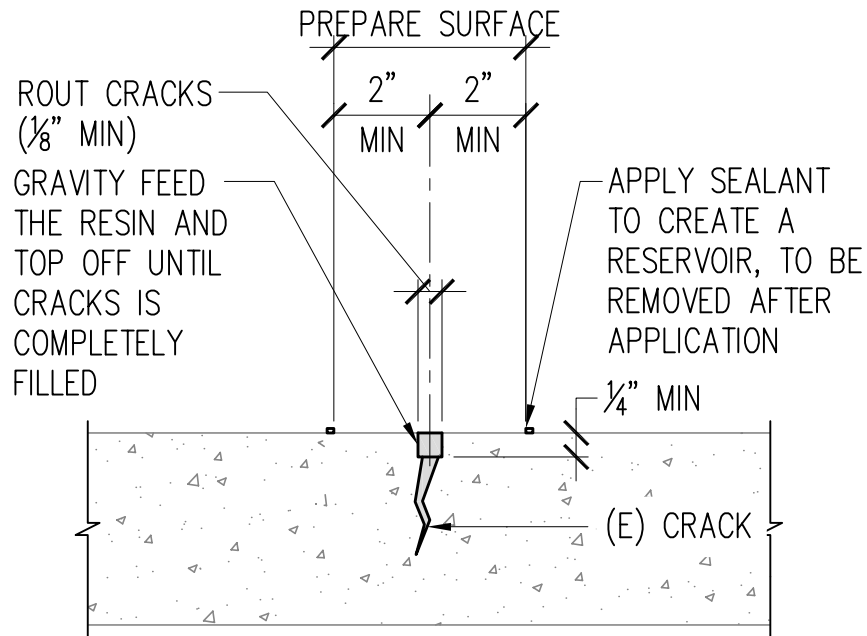
DPR SWIMMING POOL TILE &
 PLASTER IMPROVEMENTS

KAI HAWAII, INC.

SHEET:
 CRACK REPAIR DETAIL –
 NON-STRUCTURAL HORIZONTAL

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:

ASK: SKS-9



CRACKS GREATER THAN 0.02"
AND LESS THAN 0.25"

STRUCTURAL (ACTIVE CRACK)

CONCRETE STRUCTURAL HORIZONTAL CRACK REPAIR DETAIL

1

SKS-10 NOT TO SCALE

DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS

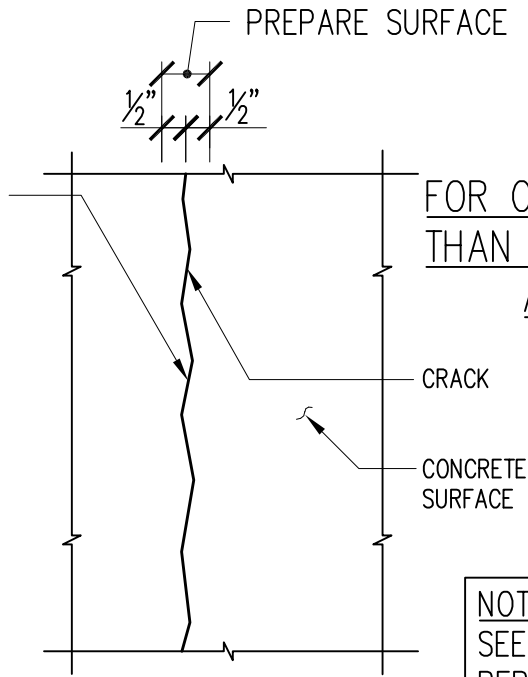
KAI HAWAII, INC.

SHEET:
CRACK REPAIR DETAIL – STRUCTURAL
HORIZONTAL

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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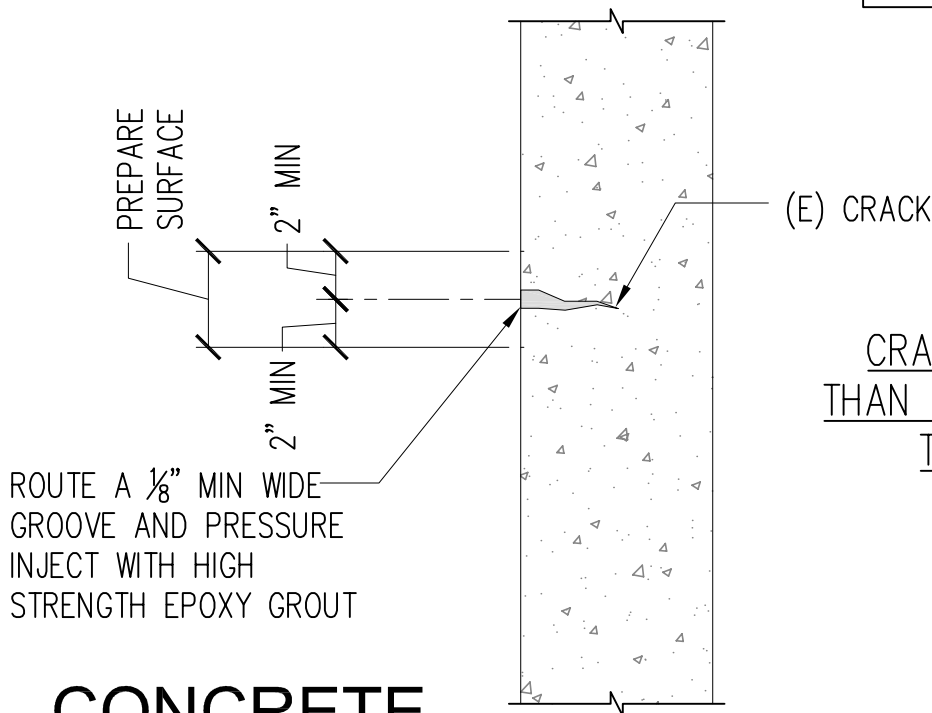
ASK: SKS-10

APPLY CAP SEAL
(SEE SPECS) OF
EPOXY OVER CRACK.
INSTALL INJECTION
PORTS AND
PRESSURE INJECT
CRACK WITH
LOW-VISCOSITY,
MOISTURE-INSENSITIVE
EPOXY ADHESIVE IN
ACCORDANCE WITH
MANUFACTURER'S
RECOMMENDATIONS



FOR CRACKS GREATER
THAN 0.25" (CONTACT
ARCHITECT)

NOTE:
SEE SKS-7 FOR CRACK
REPAIR NOTES.



CRACKS GREATER
THAN 0.02" AND LESS
THAN 0.25"

CONCRETE STRUCTURAL NON-HORIZONTAL CRACK REPAIR DETAIL

NOT TO SCALE

DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS

KAI HAWAII, INC.

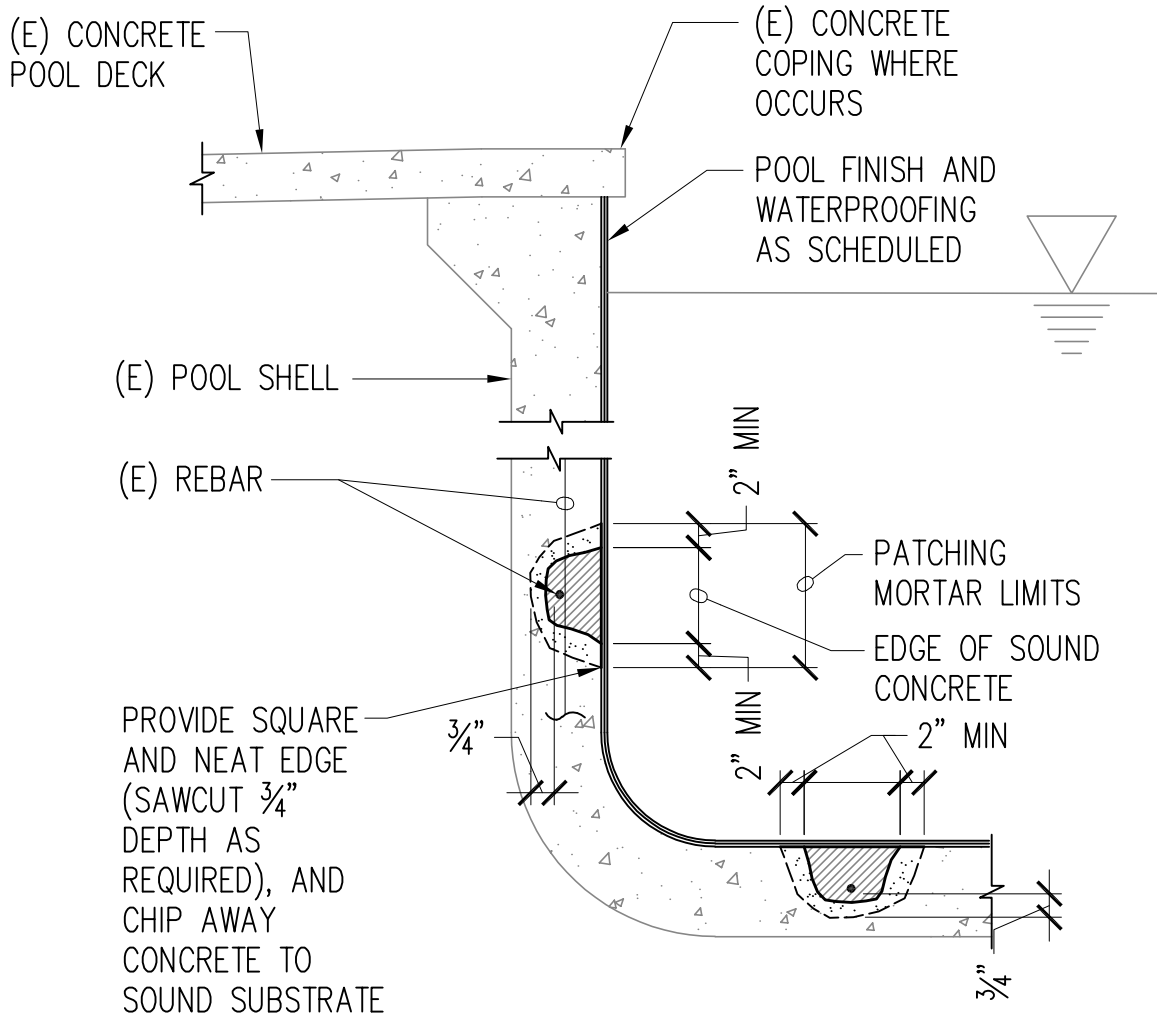
SHEET:
STRUCTURAL CRACK REPAIR DETAILS

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-11

1

SKS-11



SPALLING UNDER TILE

1
SKS-12

NOT TO SCALE

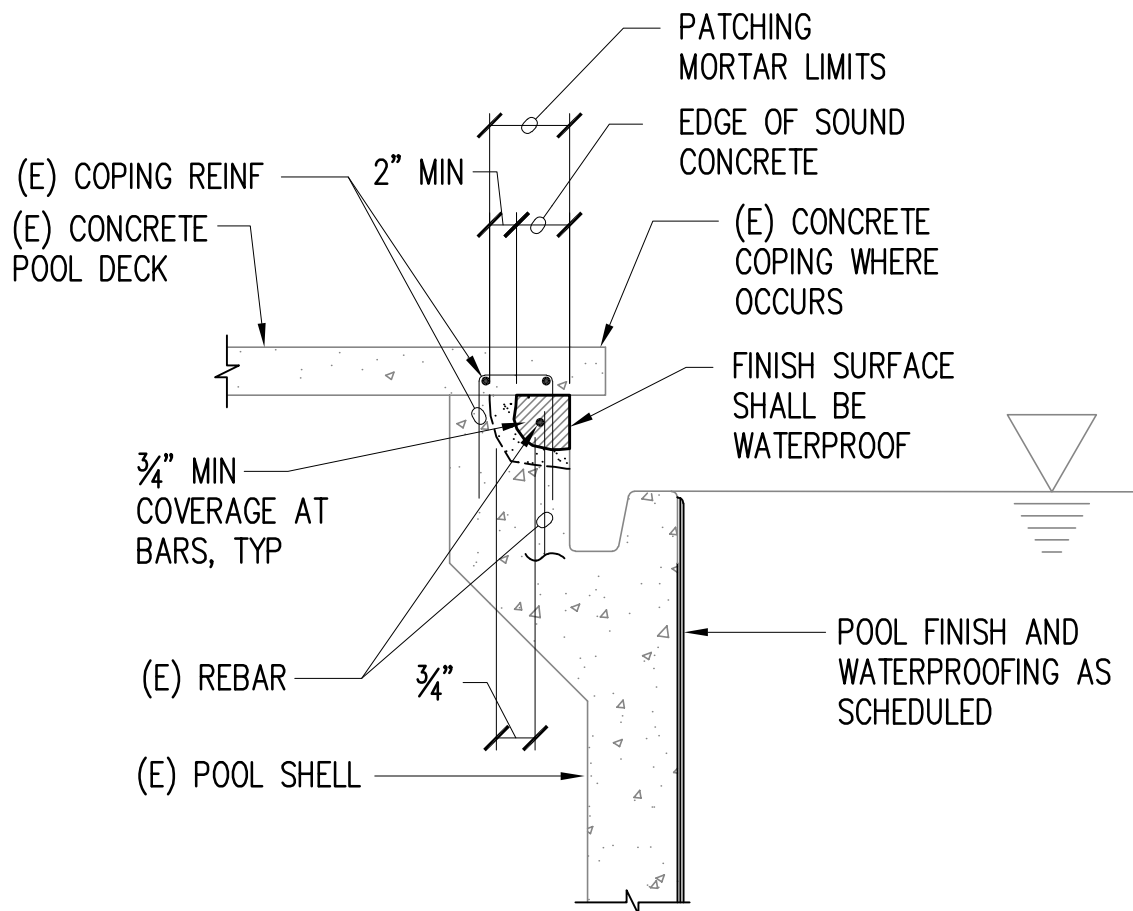
DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS

KAI HAWAII, INC.

SHEET:
SPALLING UNDER TILE

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-12



NOTE:
CONCRETE COPING REINFORCING AND ANCHORAGE TO REMAIN IN PLACE.

SPALLING UNDER COPING

1

SKS-13

NOT TO SCALE

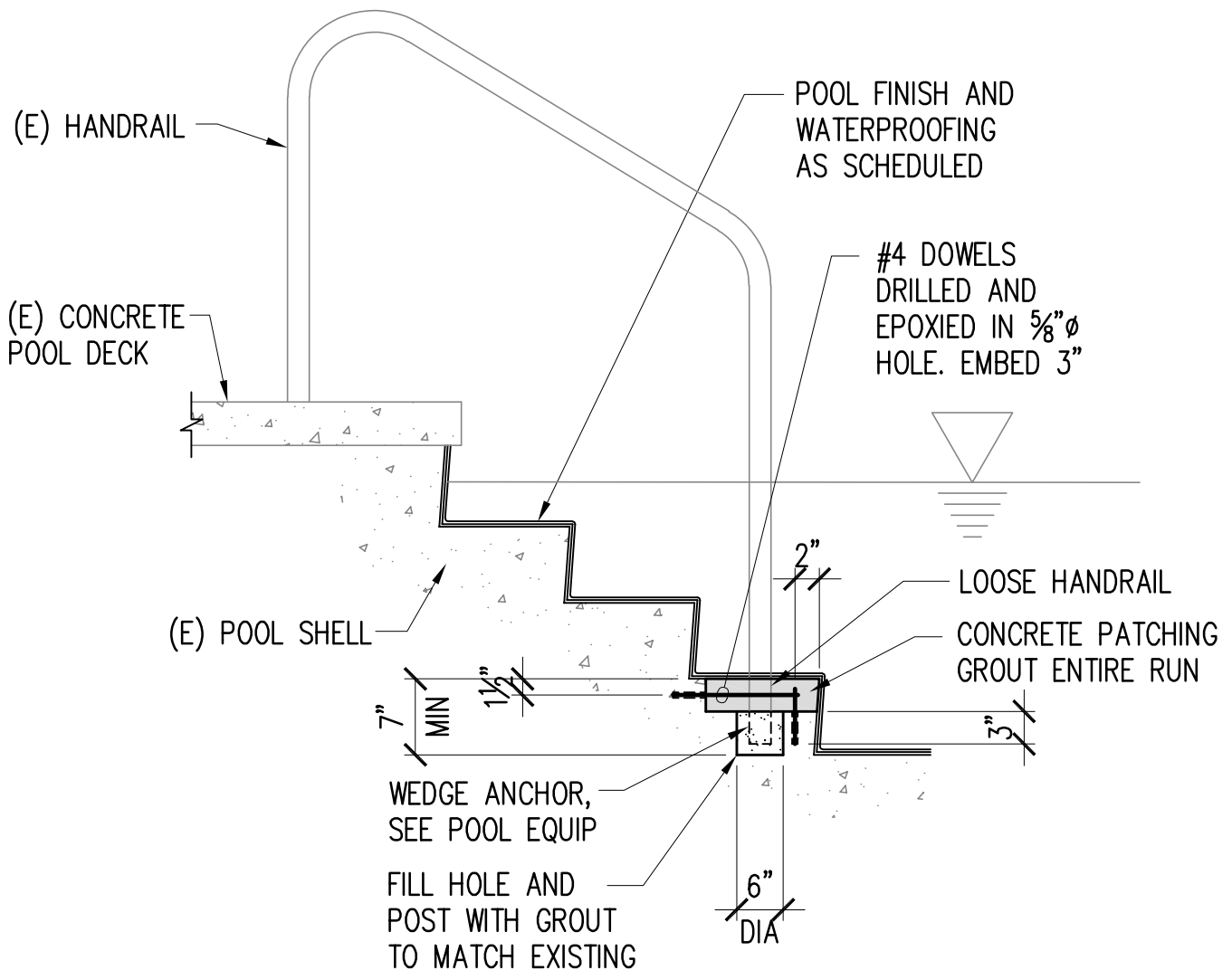
DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS

KAI HAWAII, INC.

SHEET:
SPALLING UNDER COPING

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-13



OPTION 1:
REPLACE BASE HARDWARE IN-KIND AND SPALL REPAIR (SHOWN ABOVE)

OPTION 2:
REPLACE ENTIRE HANDRAIL. SPALL REPAIRS SIMILAR TO ABOVE

SPALLING AT STAIR HANDRAIL BASE

1

SKS-14

NOT TO SCALE

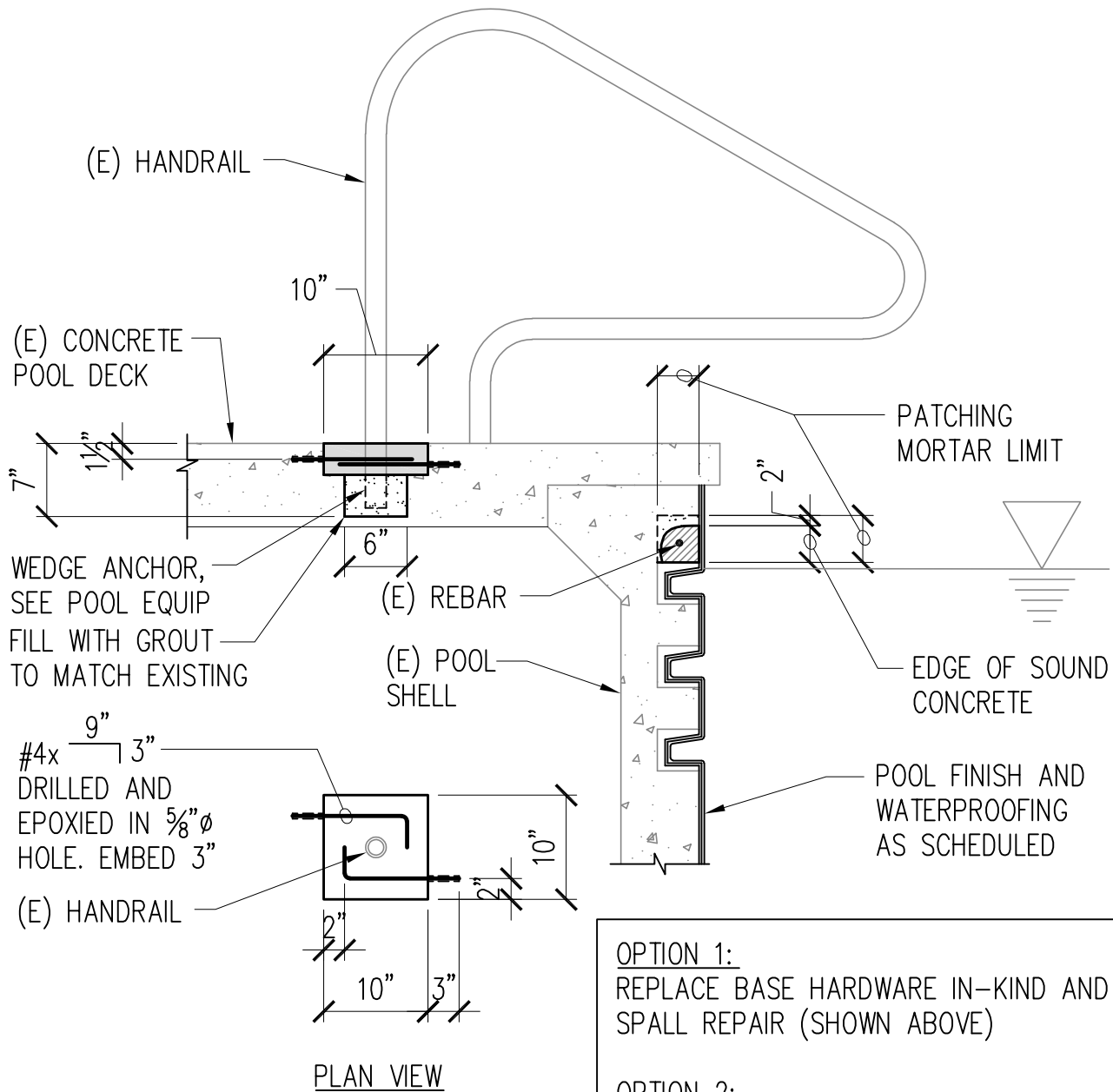
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS

KAI HAWAII, INC.

SHEET:
LOOSE HANDRAIL BASE REPAIR AT STAIRS

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:

ASK: SKS-14



OPTION 1:
REPLACE BASE HARDWARE IN-KIND AND SPALL REPAIR (SHOWN ABOVE)

OPTION 2:
REPLACE ENTIRE HANDRAIL. SPALL REPAIRS SIMILAR TO ABOVE

SPALLING AT HANDRAIL POOLSIDE LADDER

1

SKS-15 NOT TO SCALE

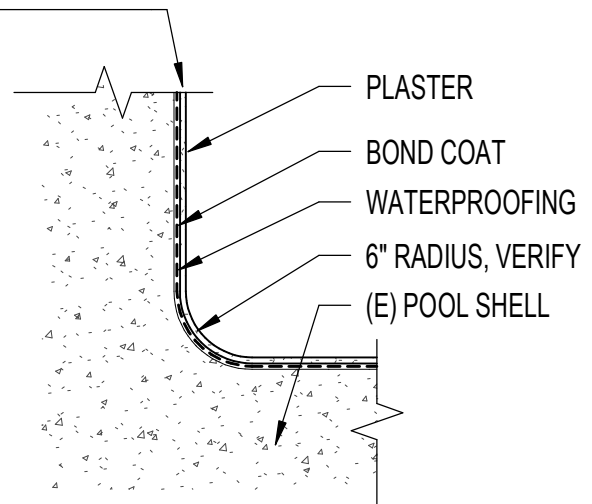
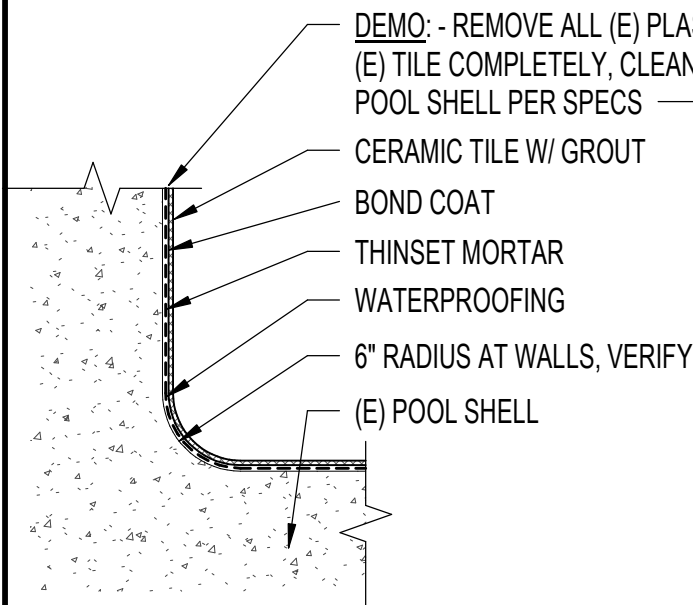
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS

KAI HAWAII, INC.

SHEET:
LOOSE HANDRAIL BASE REPAIR AT
LADDER

REFERENCE#/DESCRIPTION:	SHEET NUMBER:	DATE:
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ASK: SKS-15

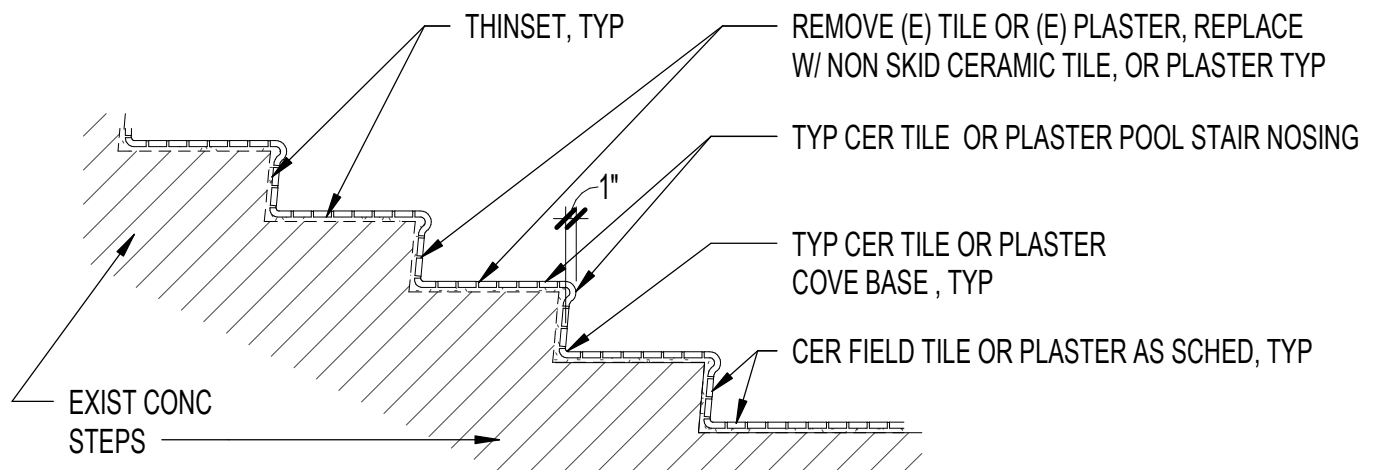


1 TILE DETAIL, TYP

3/4" = 1'-0"

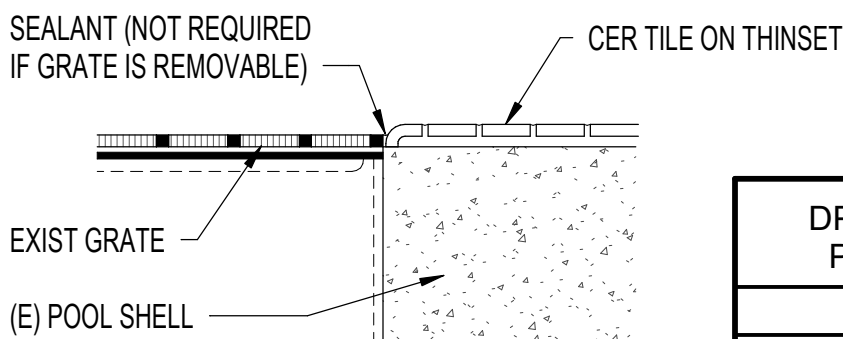
2 PLASTER DETAIL, TYP

3/4" = 1'-0"



3 SWIMMING POOL STAIRS

1 1/2" = 1'-0"



4 BULLNOSE @ GRATE

3" = 1'-0"

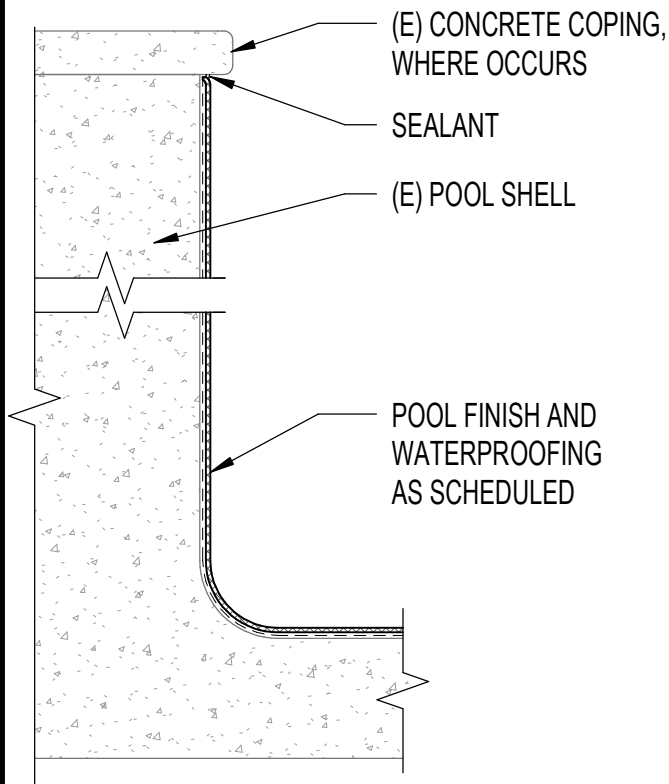
DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS

RMA ARCHITECTS INC.

SHEET:
TILE AND PLASTER DETAILS

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
		07/2025

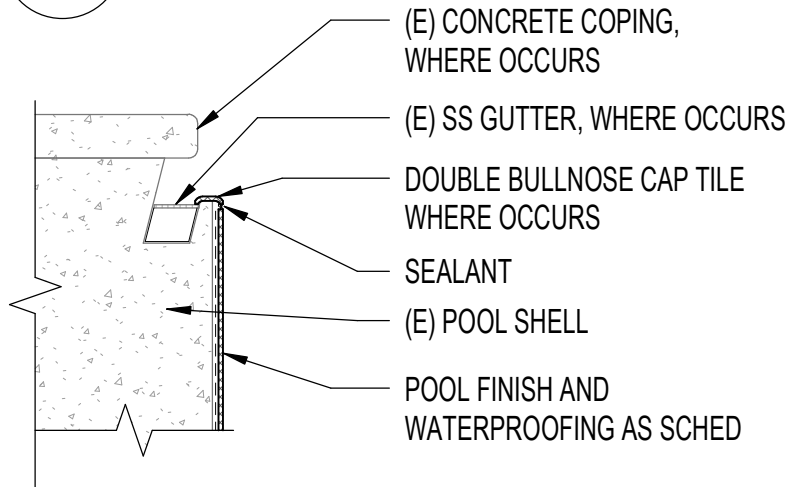
ASK: SKS-16



1

POOL SHELL SECTION, TYP

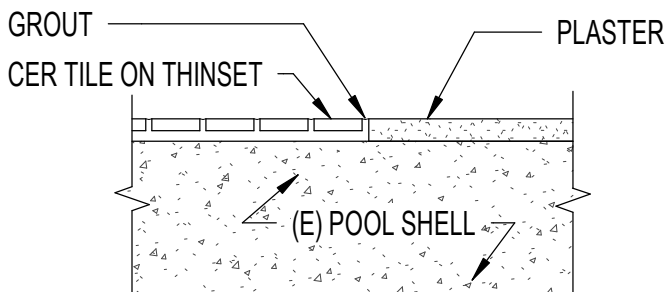
3/4" = 1'-0"



2

COPING @ GUTTER, TYP

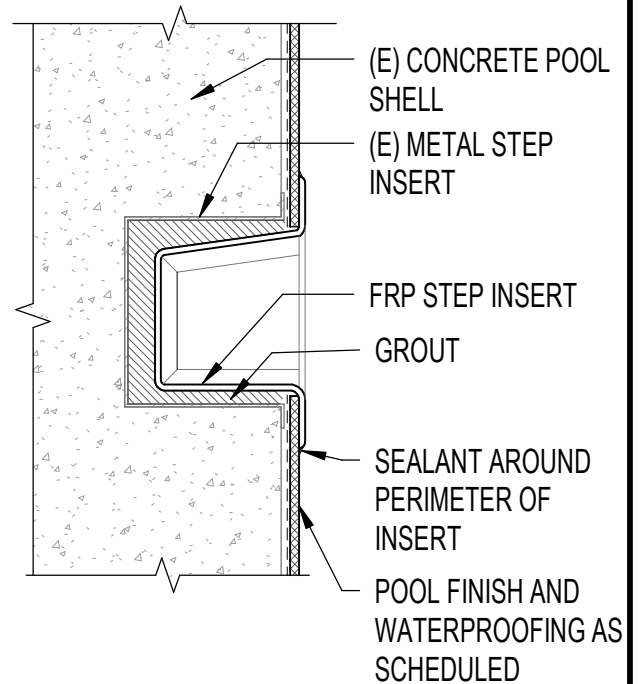
3/4" = 1'-0"



3

PLASTER / TILE DETAIL

3" = 1'-0"



4

STEP DETAIL

1 1/2" = 1'-0"

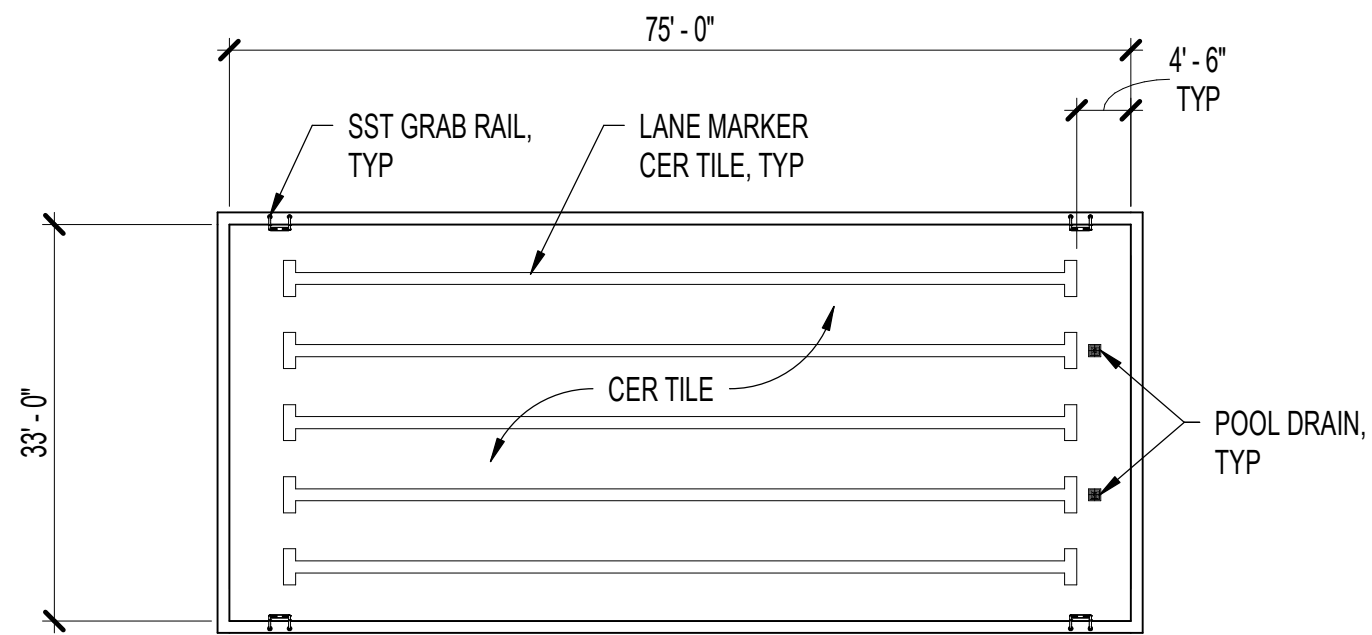
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS

RMA ARCHITECTS INC.

SHEET:
TILE AND PLASTER DETAILS

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
		07/2025

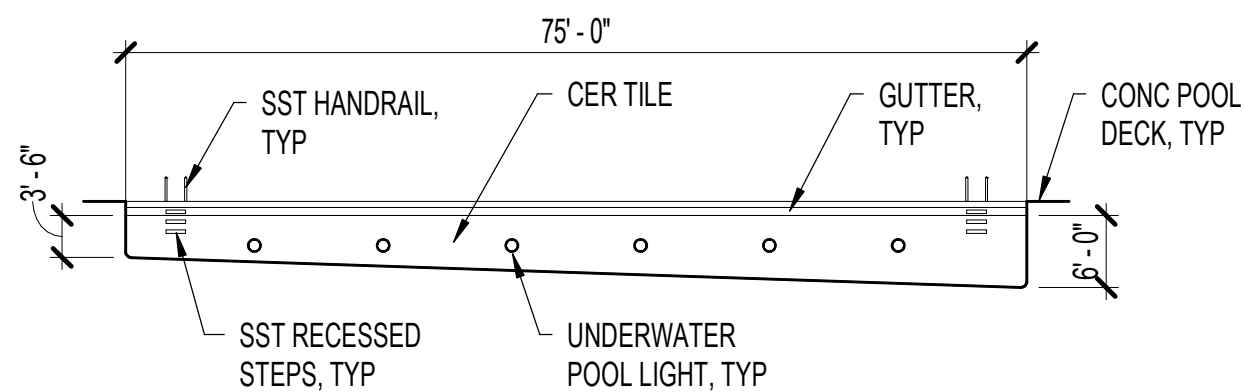
ASK: SKS-17



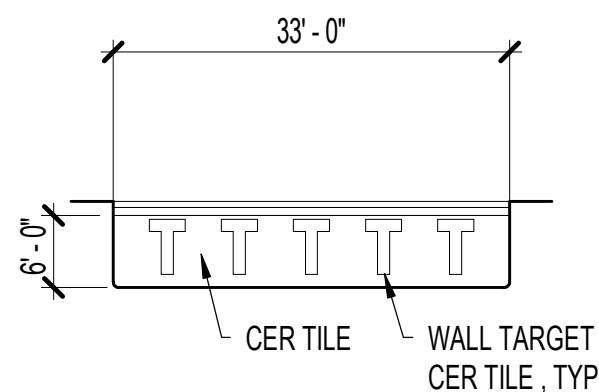
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	2,130 SF	980 SF	3,110 SF
B. LANE MARKER TILE	350 SF	60 SF	410 SF
GRAND TOTAL:			3,520 SF

1 POOL PLAN

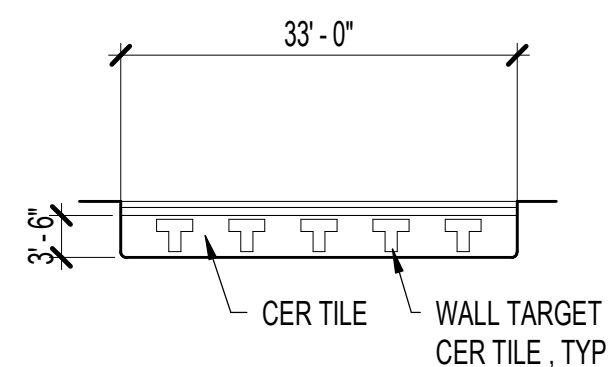
1/16" = 1'-0"



EL A (EL C MIRR TYP)



EL B

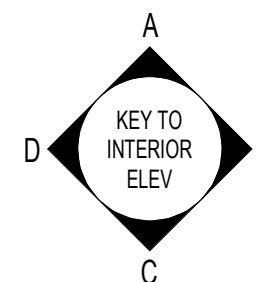


EL D

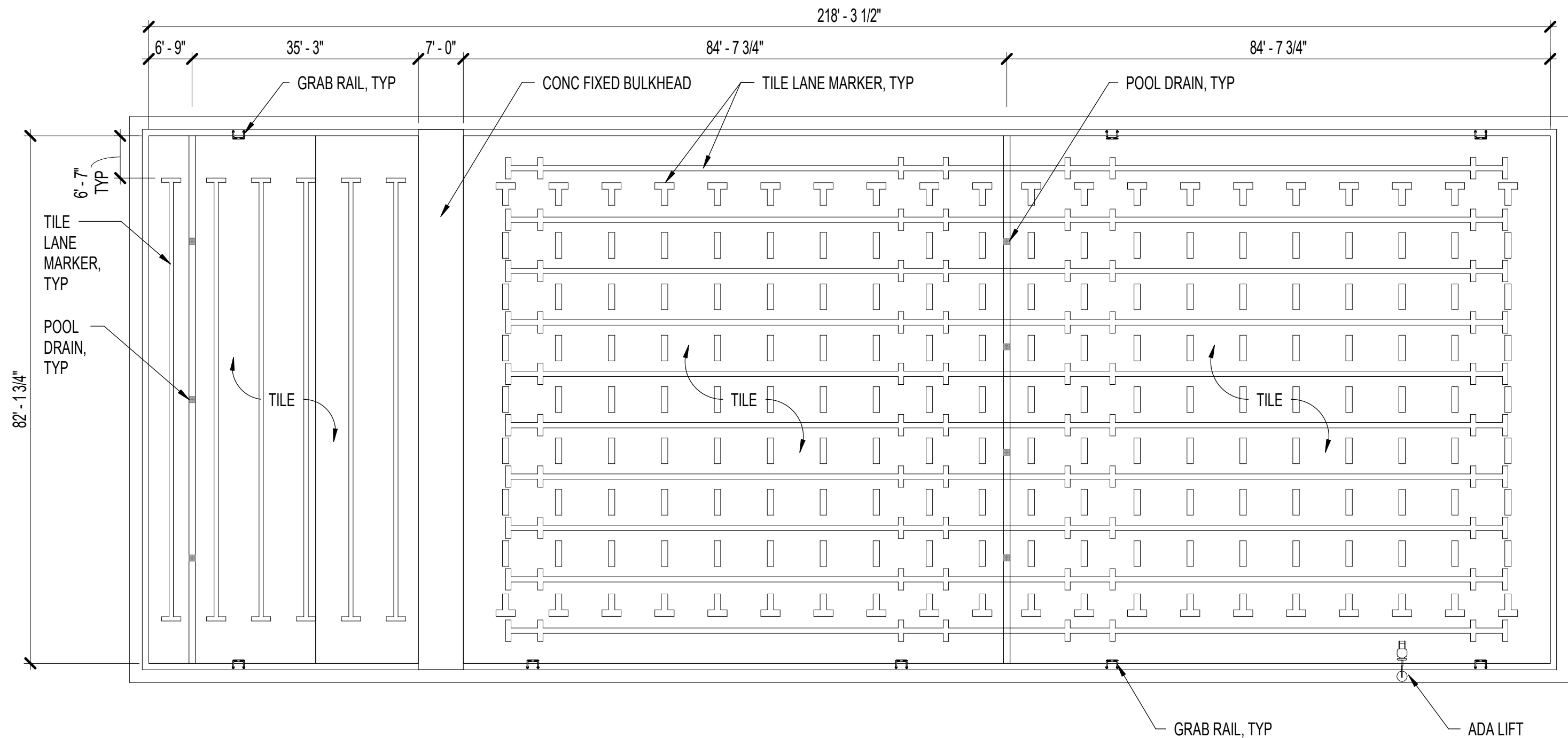
2 POOL WALL ELEVATIONS

1/16" = 1'-0"

0 8' 16'
SCALE: 1/16" = 1'-0"

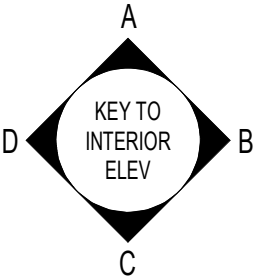
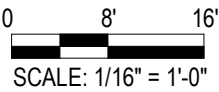


DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 2331 KANEALII AVENUE, HONOLULU, OAHU, HAWAII 96813		
RMA ARCHITECTS INC.		
SHEET: BOOTH DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-1	05/2025
TMK: 2-2-017: 002		

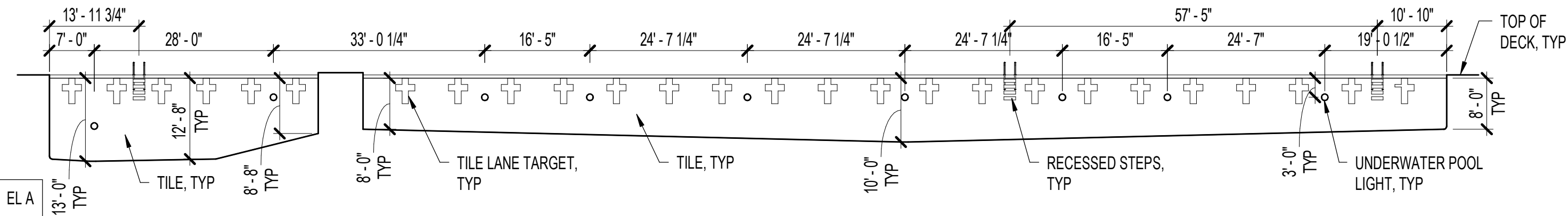


1 MAIN POOL PLAN
1/16" = 1'-0"

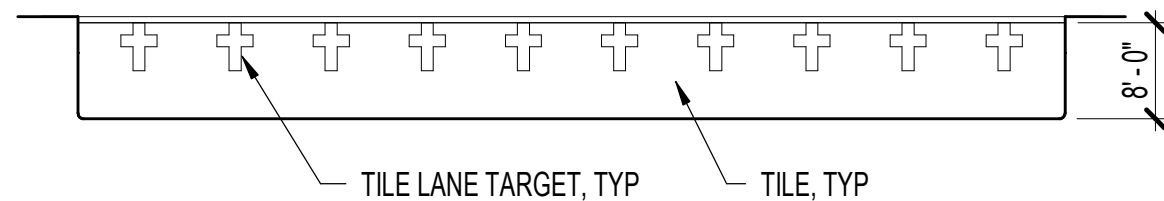
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	14,860 SF	5,420 SF	20,280 SF
B. LANE MARKER TILE	2,550 SF	380 SF	2,930 SF
GRAND TOTAL:			23,210 SF



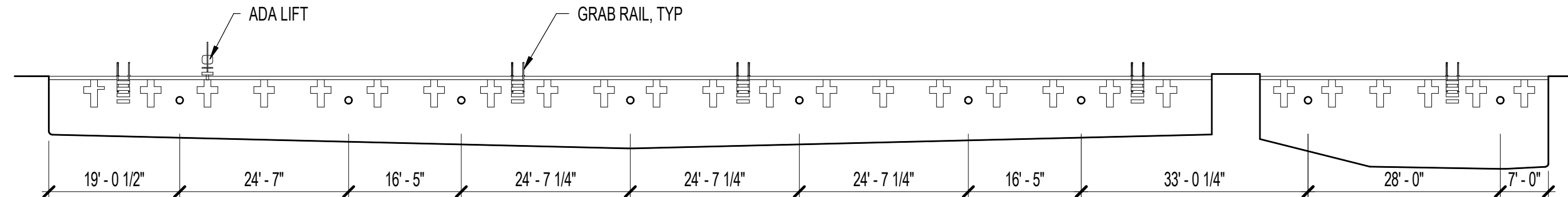
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 94-801 KAMEHAMEHA HIGHWAY, WAIPAHU, OAHU, HAWAII 96797		
RMA ARCHITECTS INC.		
SHEET: CENTRAL OAHU REGIONAL PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-2a	05/2025
TMK: 9-4-005: 076		



EL A

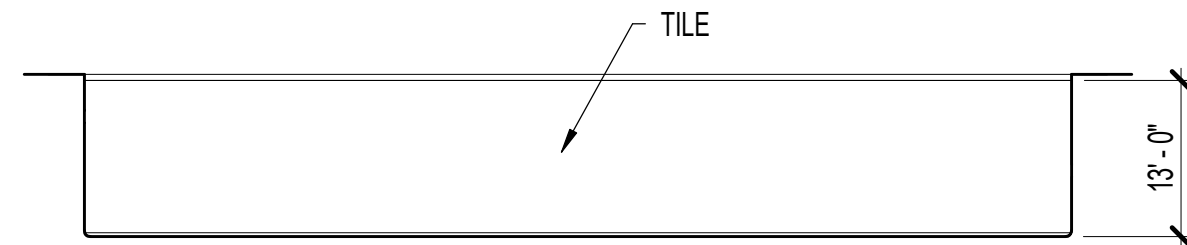


EL B



EL C

SEE "EL A" FOR TYPICAL NOTES.

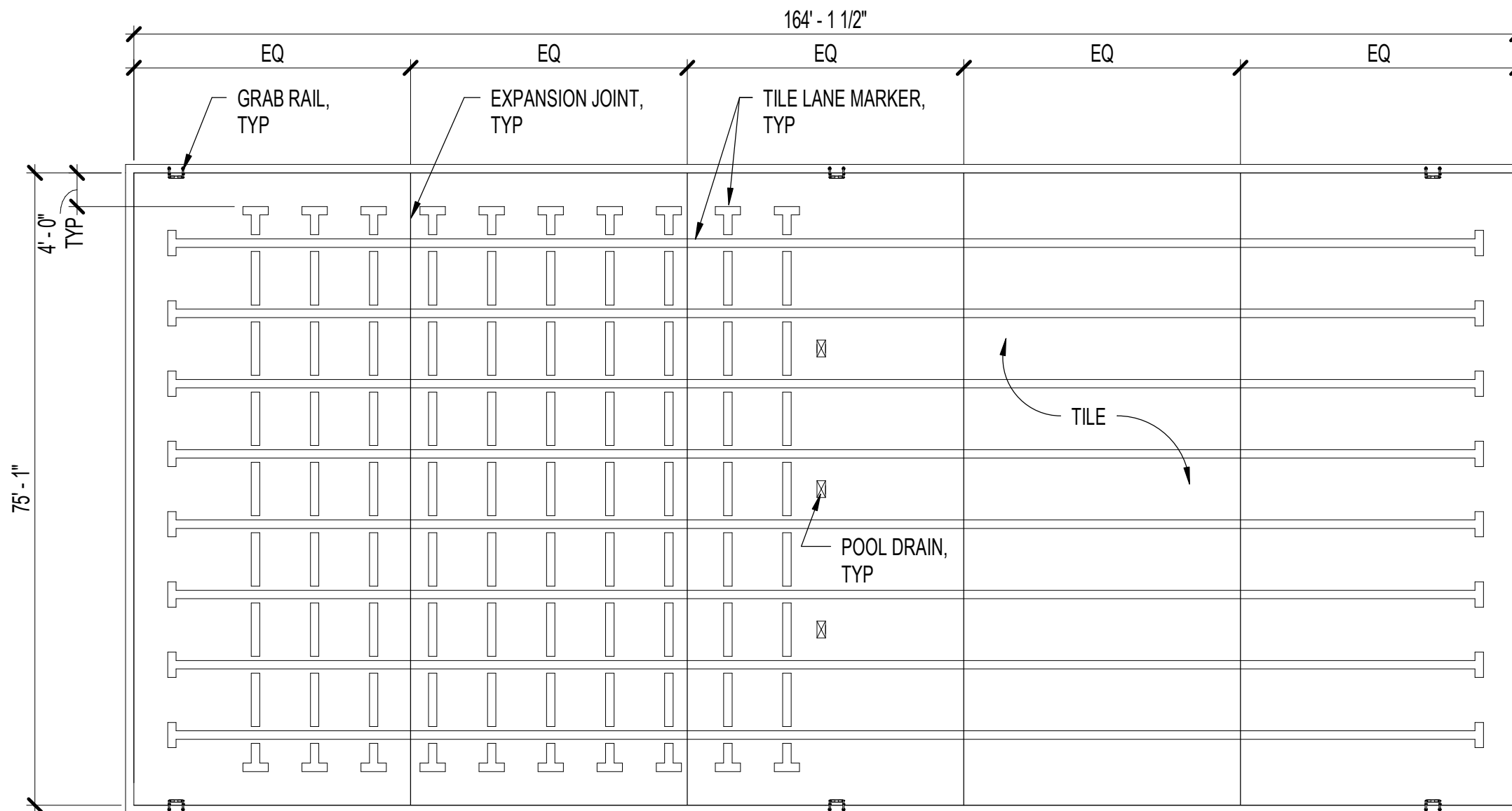


EL D

1 MAIN POOL WALL ELEVATIONS 1/16" = 1'-0"

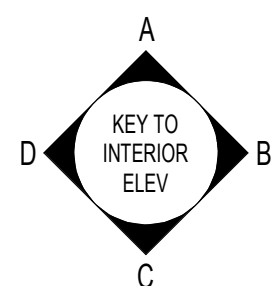
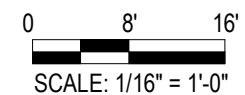
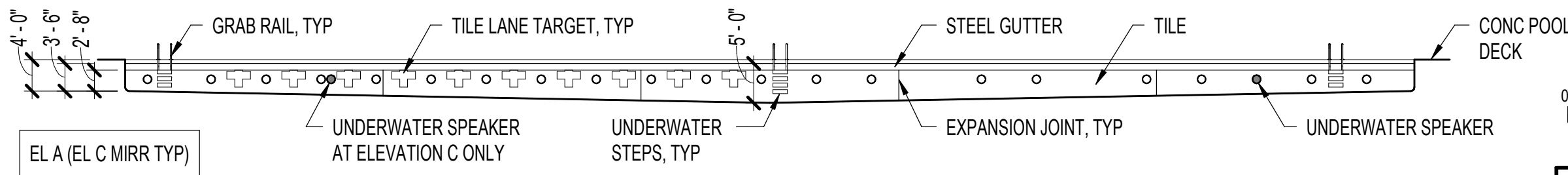


DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 94-801 KAMEHAMEHA HIGHWAY, WAIPAHU, OAHU, HAWAII 96797		
RMA ARCHITECTS INC.		
SHEET: CENTRAL OAHU REGIONAL PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
MAIN POOL ELEVATIONS	A-2b	05/2025
TMK: 9-4-005: 076		

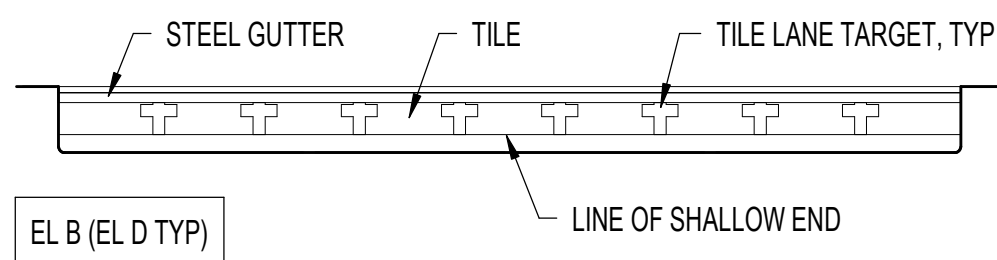


APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	11,050 SF	1,370 SF	12,420 SF
B. LANE MARKER TILE	1,280 SF	160 SF	1,440 SF
GRAND TOTAL:			13,860 SF

1 MAIN POOL PLAN
1/16" = 1'-0"



2 MAIN POOL WALL ELEVATIONS
1/16" = 1'-0"



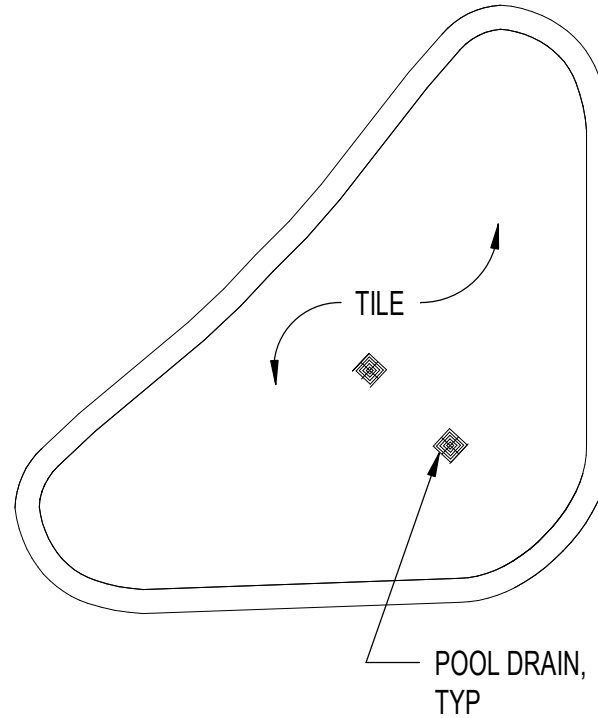
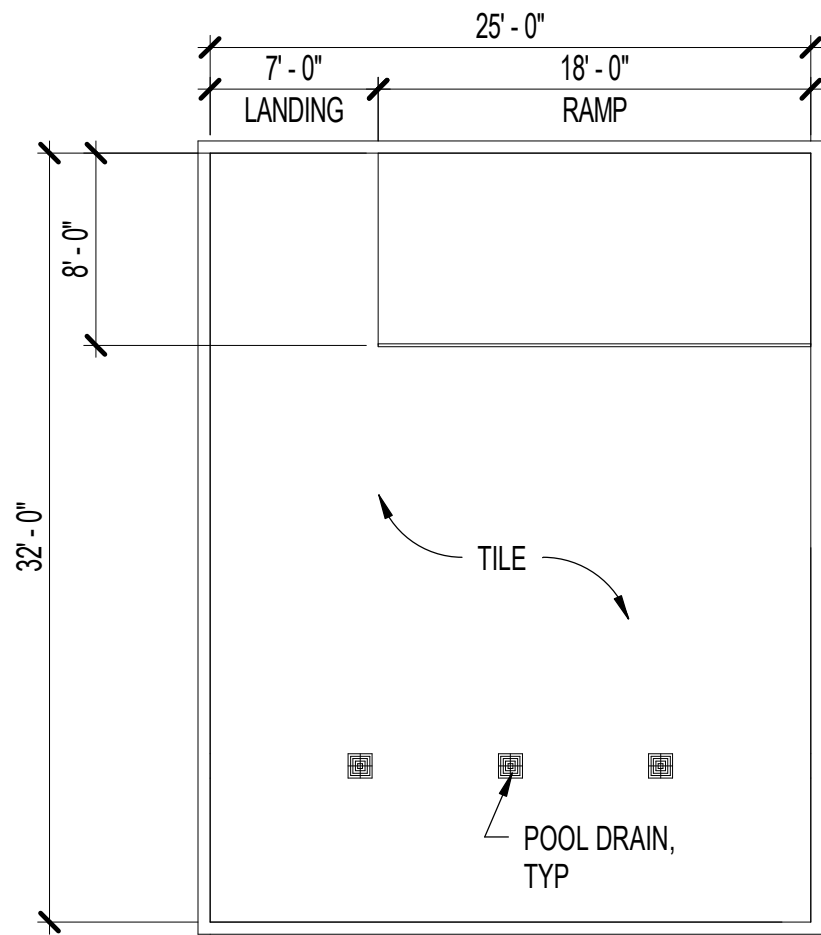
DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS IDIQ
1911 KAMEHAMEHA IV ROAD, HONOLULU, OAHU, HAWAII 96819

RMA ARCHITECTS INC.

SHEET:
KALIHI VALLEY DISTRICT PARK POOL

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-3a	05/2025

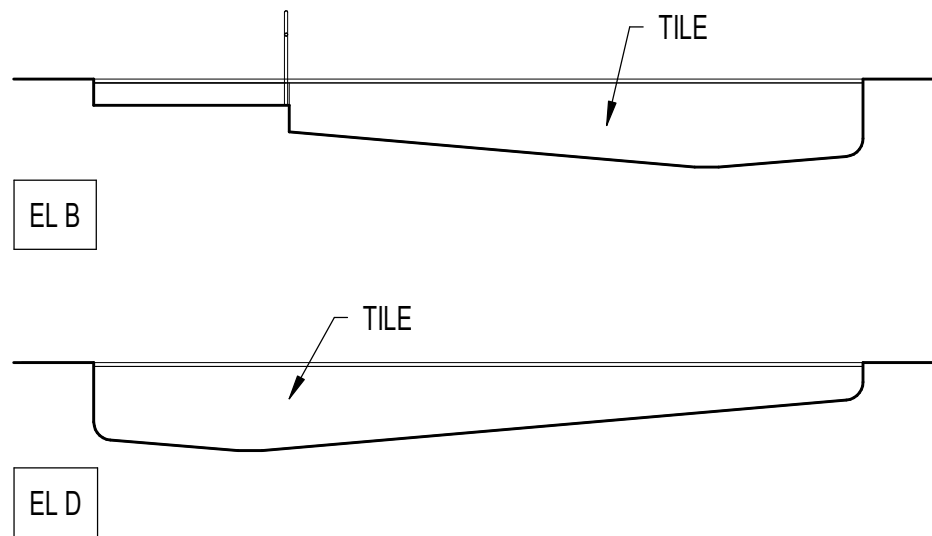
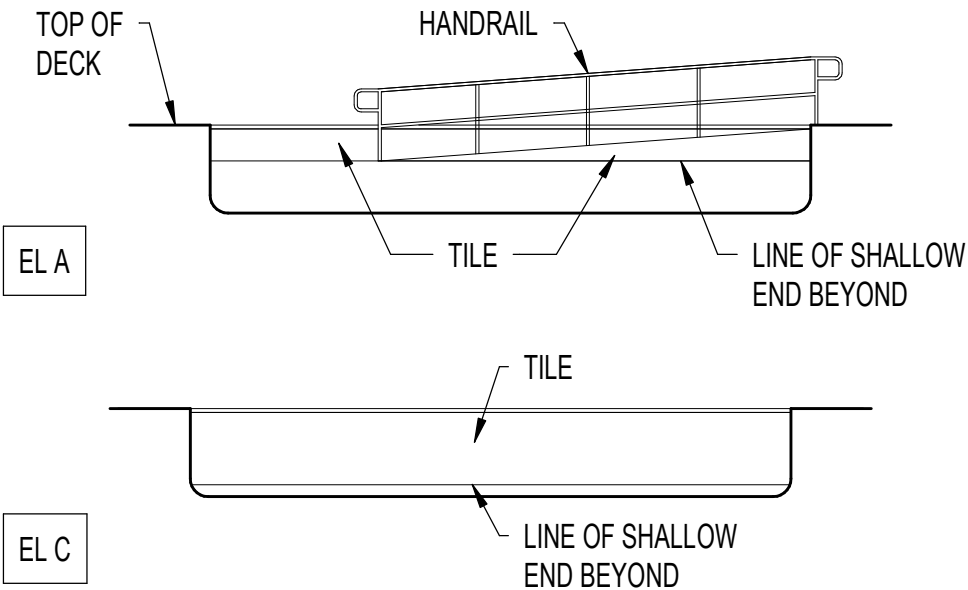
TMK: 1-3-024: 002



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
TRAINING POOL A. FIELD TILE	940 SF	270 SF	1,210 SF
GRAND TOTAL:			1,210 SF
	FLOOR	WALLS	TOTAL
WADING POOL A. FIELD TILE	330 SF	120 SF	450 SF
GRAND TOTAL:			450 SF

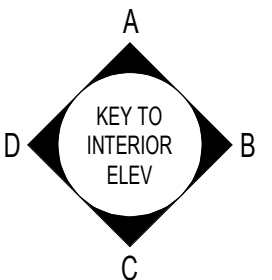
1 TRAINING POOL PLAN 1/8" = 1'-0"

2 WADING POOL PLAN 1/8" = 1'-0"

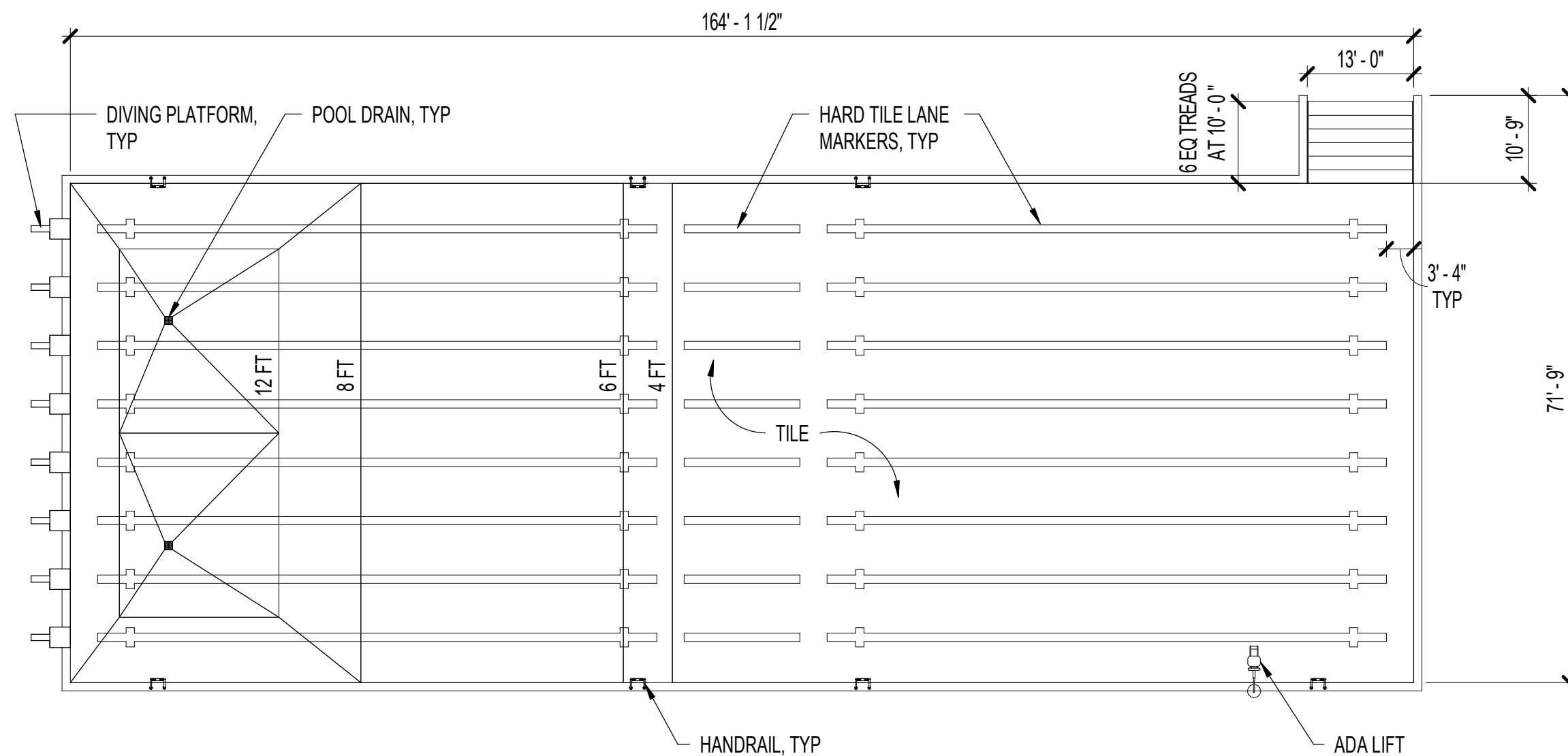


3 TRAINING POOL WALL ELEVATIONS 1/8" = 1'-0"

0 4' 8'
SCALE: 1/8" = 1'-0"

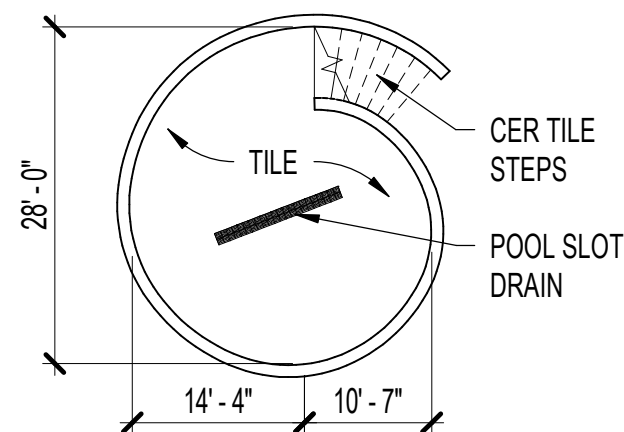


DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
1911 KAMEHAMEHA IV ROAD, HONOLULU, OAHU, HAWAII 96819		
RMA ARCHITECTS INC.		
SHEET: KALIHI VALLEY DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-3b	05/2025
TMK: 1-3-024: 002		



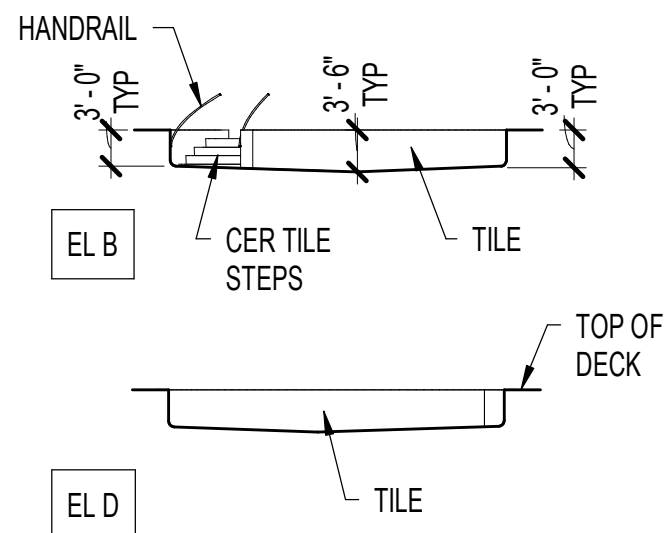
1 MAIN POOL PLAN

1/16" = 1'-0"



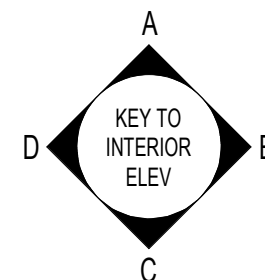
2 WADING POOL PLAN & WALL ELEVATIONS

1/16" = 1'-0"



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	8,730 SF	2,510 SF	11,240 SF
B. LANE MARKER TILE	1,440 SF	120 SF	1,560 SF
GRAND TOTAL:			12,800 SF
	FLOOR	WALLS	TOTAL
WADING POOL			
A. FIELD TILE	500 SF	280 SF	780 SF
GRAND TOTAL:			780 SF

0 8' 16'
SCALE: 1/16" = 1'-0"



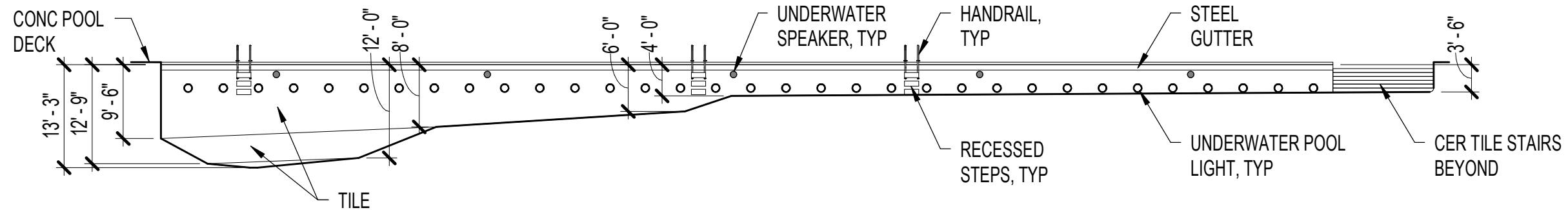
DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS IDIQ
45-660 KEAAHALA ROAD, KANELOHE, OAHU, HAWAII 96744

RMA ARCHITECTS INC.

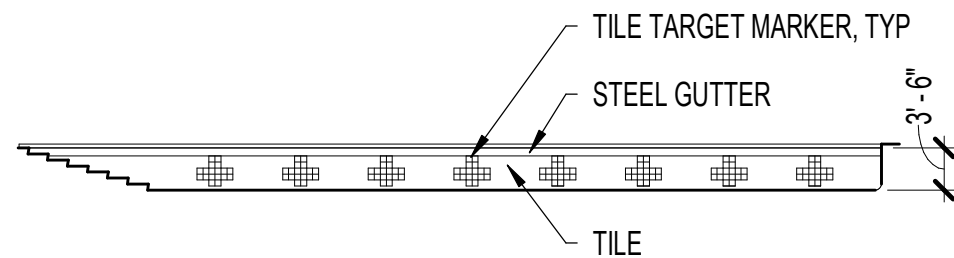
SHEET:
KANELOHE DISTRICT PARK POOL

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
POOL PLAN	A-4a	05/2025

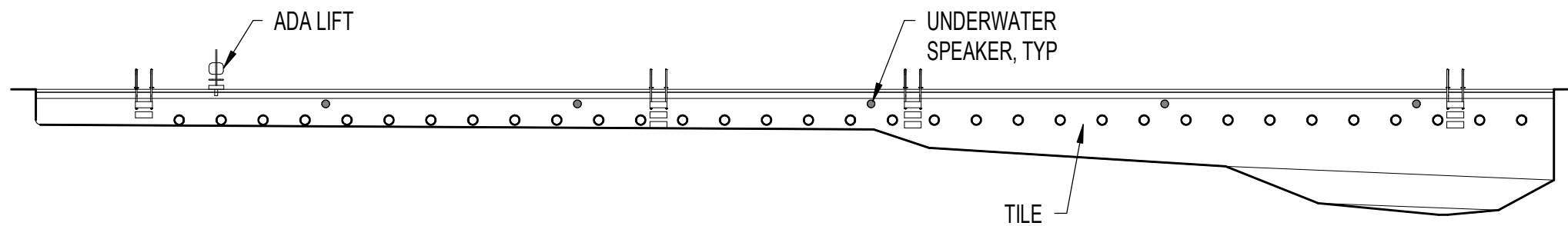
TMK: 4-5-023: 010



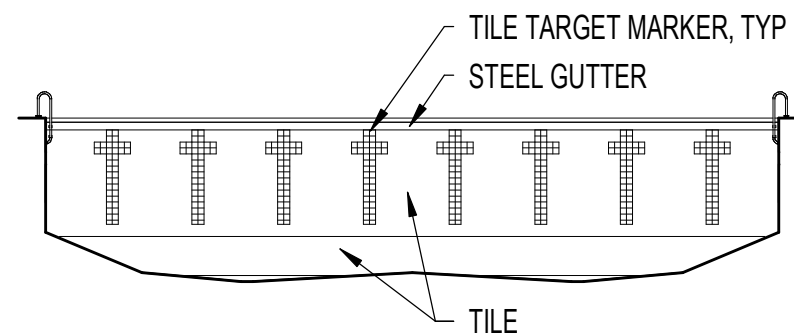
EL A



EL B



EL C

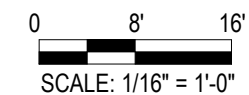


EL D

1

POOL WALL ELEVATIONS

1/16" = 1'-0"



DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS IDIQ

45-660 KEAAHALA ROAD, KANELOHE, OAHU, HAWAII 96744

RMA ARCHITECTS INC.

SHEET:

KANELOHE DISTRICT PARK POOL

REFERENCE# / DESCRIPTION:

SHEET NUMBER:

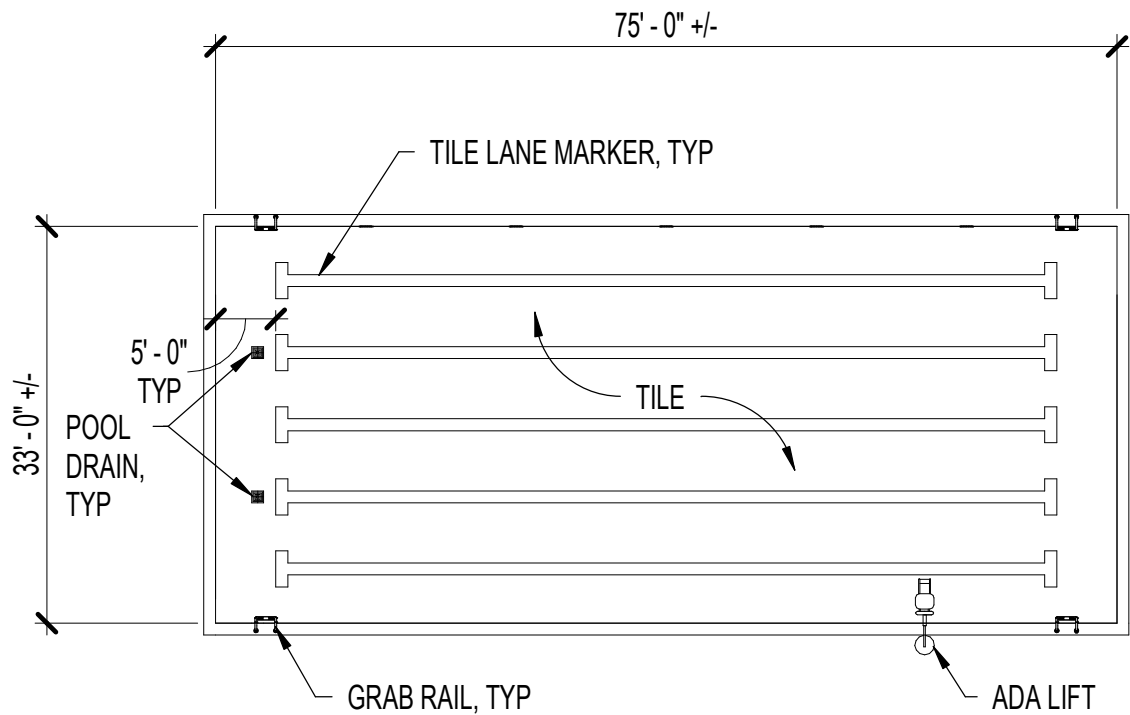
DATE:

POOL WALL ELEVATIONS

A-4b

05/2025

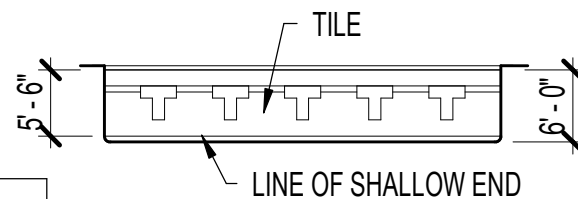
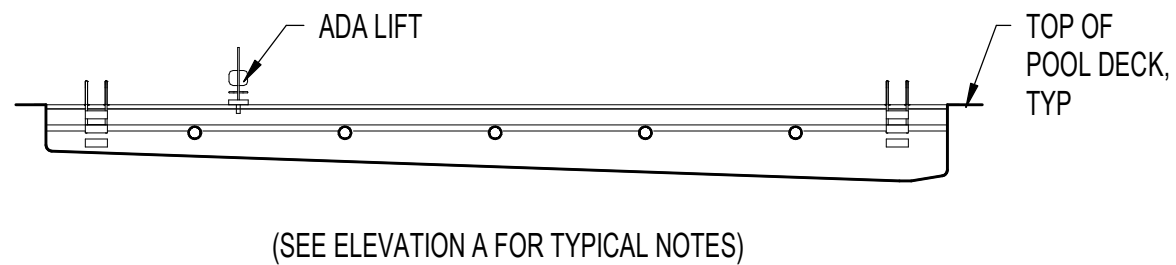
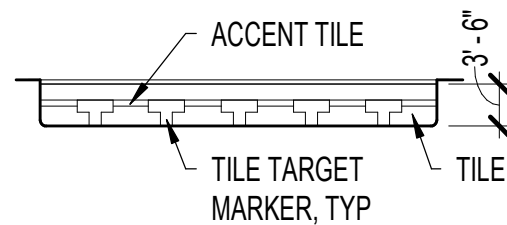
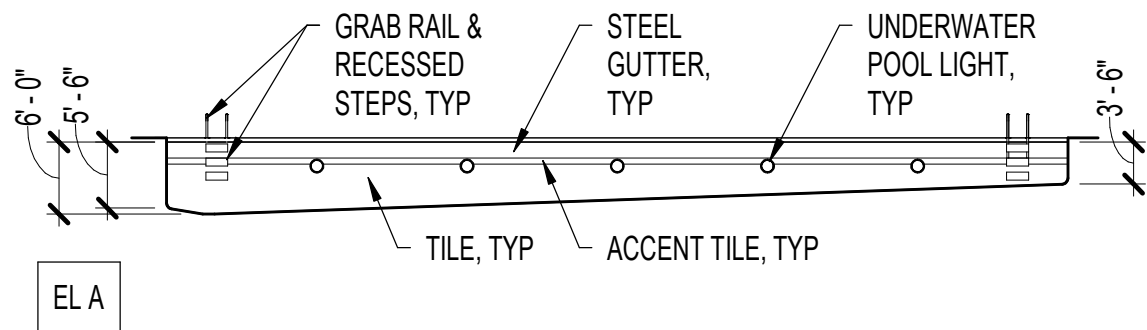
TMK: 4-5-023: 010



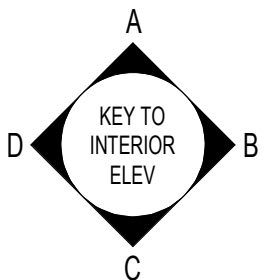
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	2,140 SF	710 SF	2,850 SF
B. LANE MARKER TILE	350 SF	50 SF	400 SF
GRAND TOTAL:			3,250 SF

1 POOL PLAN

1/16" = 1'-0"



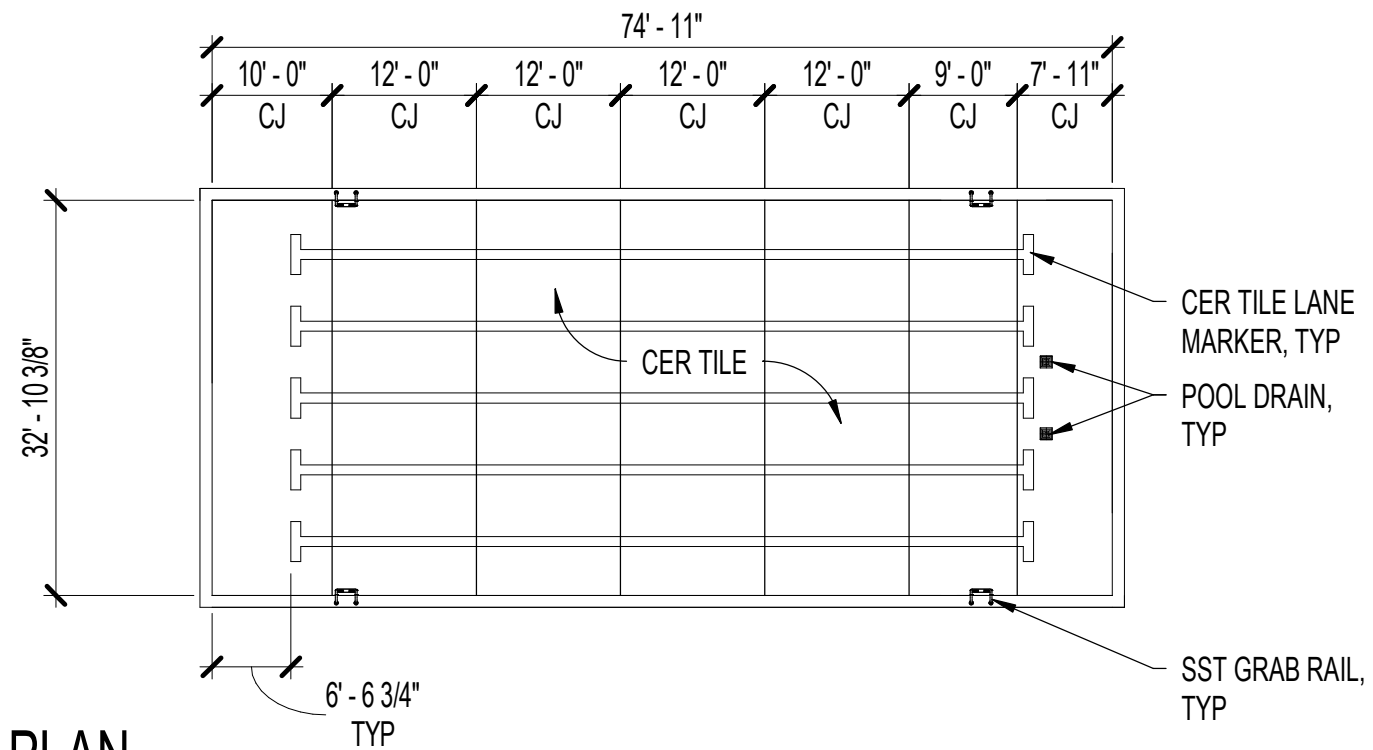
0 8' 16'
SCALE: 1/16" = 1'-0"



2 POOL WALL ELEVATIONS

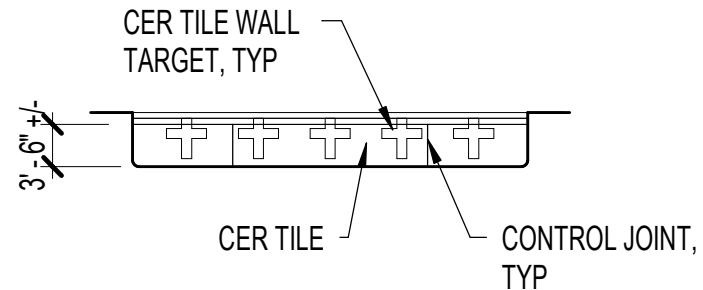
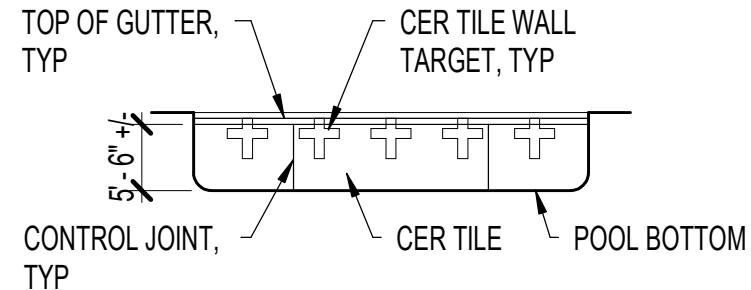
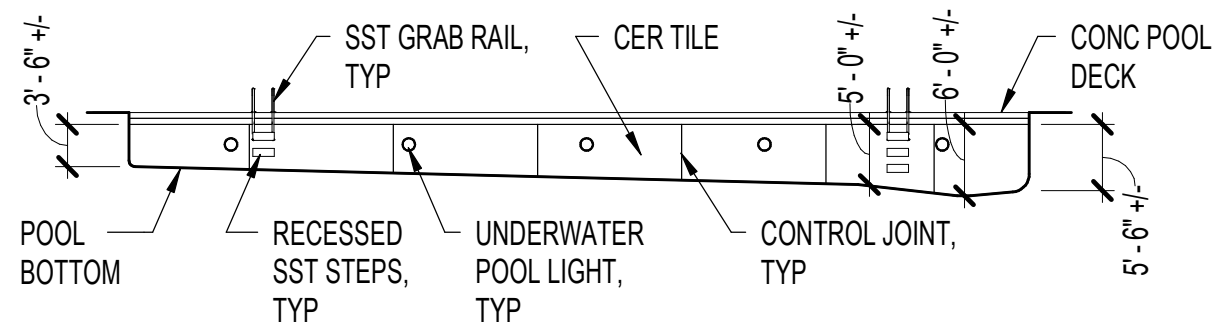
1/16" = 1'-0"

DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
2695 DOLE STREET, HONOLULU, OAHU, HAWAII 96822		
RMA ARCHITECTS INC.		
SHEET: KANEWAI COMMUNITY PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-5	05/2025
TMK: 2-8-029: 011		



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	2,200 SF	920 SF	3,120 SF
B. LANE MARKER TILE	280 SF	50 SF	330 SF
GRAND TOTAL:			3,450 SF

1 POOL PLAN
1/16" = 1'-0"

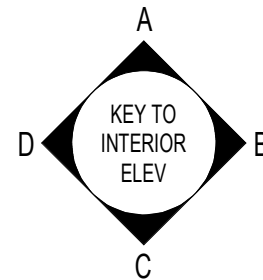
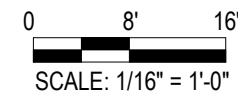


EL A (EL C MIRR TYP)

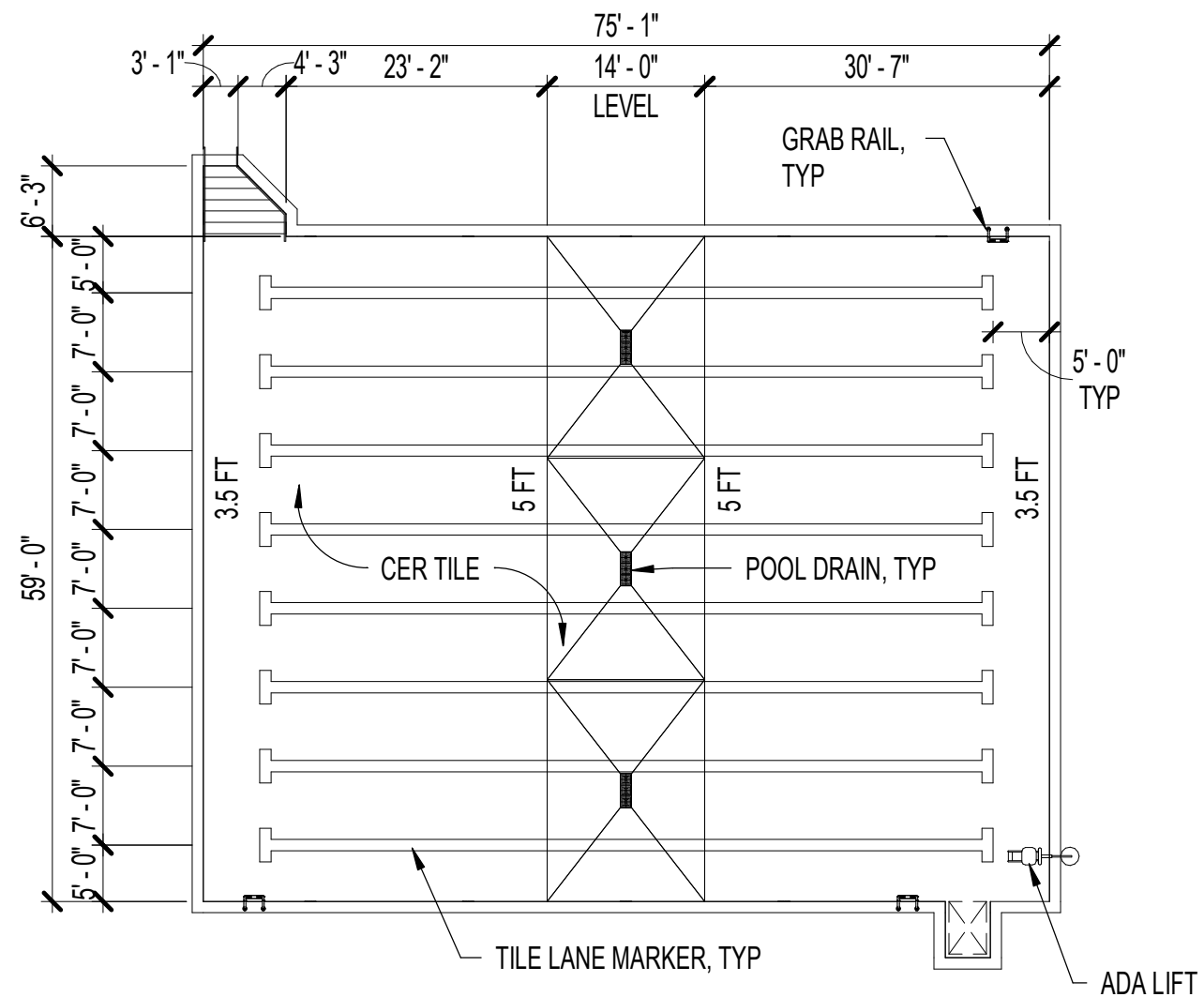
EL B

EL D

2 POOL WALL ELEVATIONS
1/16" = 1'-0"



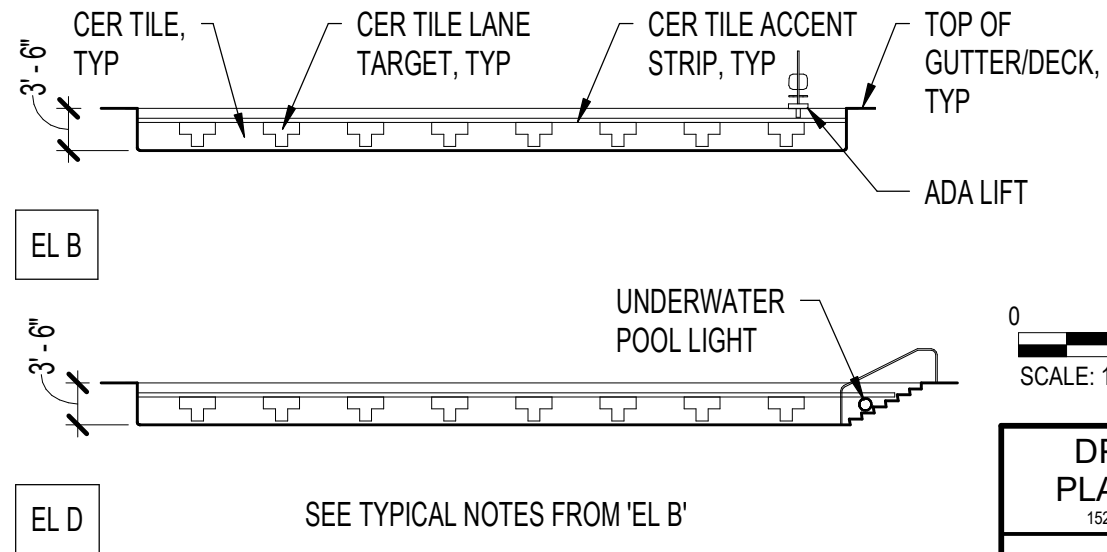
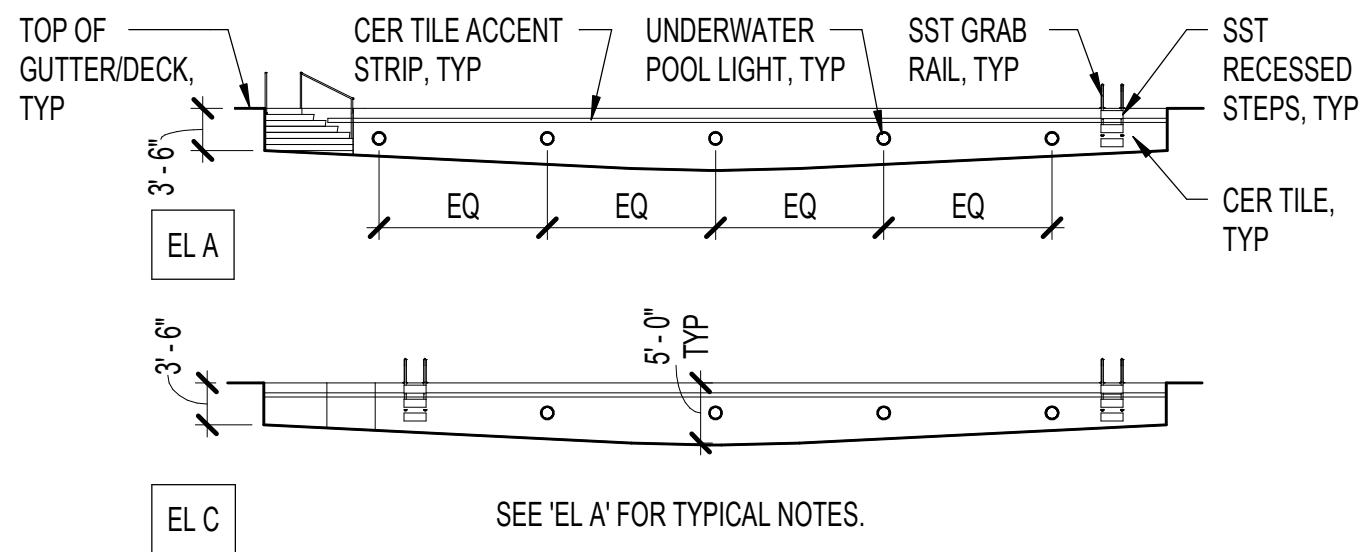
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 701 11TH AVENUE, HONOLULU, OAHU, HAWAII 96816		
RMA ARCHITECTS INC.		
SHEET: KAPAOLONO DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-6	05/2025
TMK: 3-2-025: 001		



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	3,980 SF	1,030 SF	5,010 SF
B. LANE MARKER TILE	560 SF	70 SF	630 SF
GRAND TOTAL:			5,640 SF

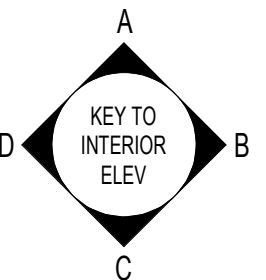
1 MAIN POOL PLAN

1/16" = 1'-0"



0 8' 16'

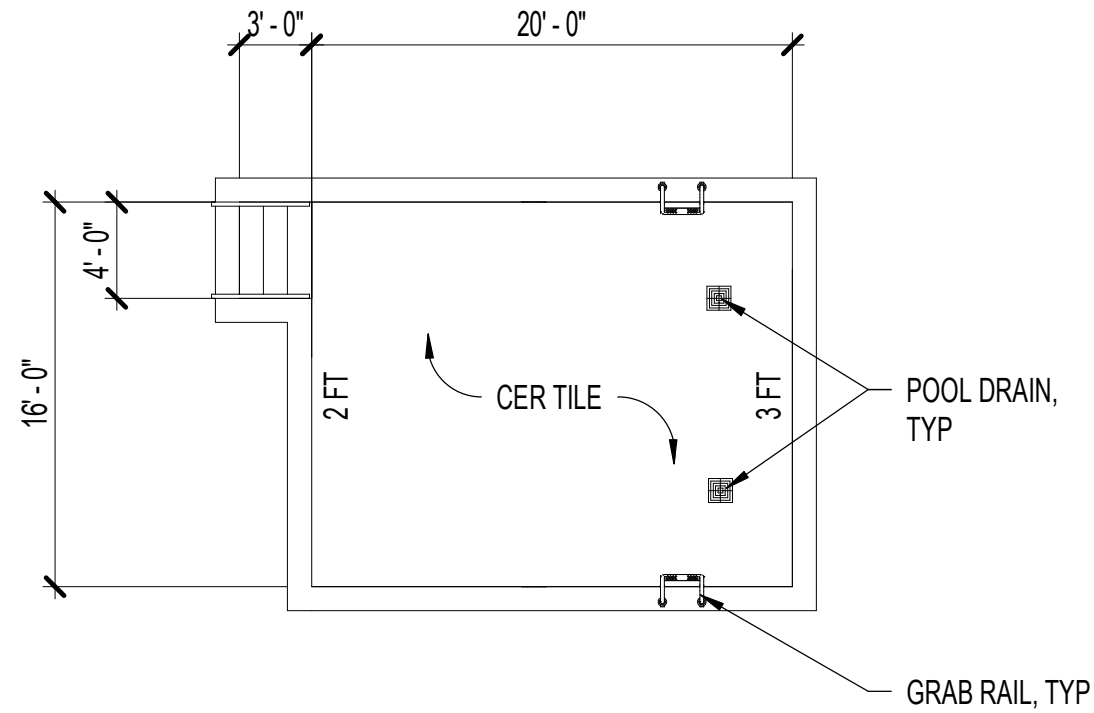
SCALE: 1/16" = 1'-0"



2 MAIN POOL WALL ELEVATIONS

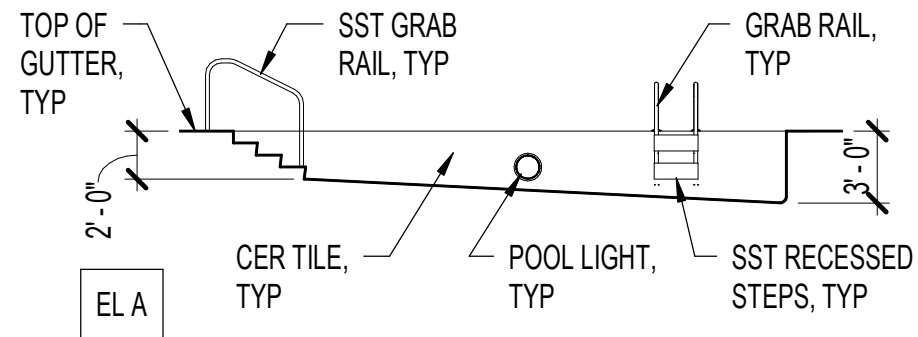
1/16" = 1'-0"

DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
1527 KE'EAUMOKU STREET, HONOLULU, OAHU, HAWAII 96822		
RMA ARCHITECTS INC.		
SHEET: MAKIKI DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-7a	05/2025
TMK: 7-4-008: 002		

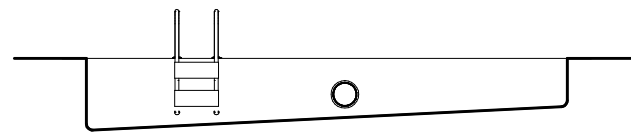


1 TRAINING POOL PLAN

1/8" = 1'-0"

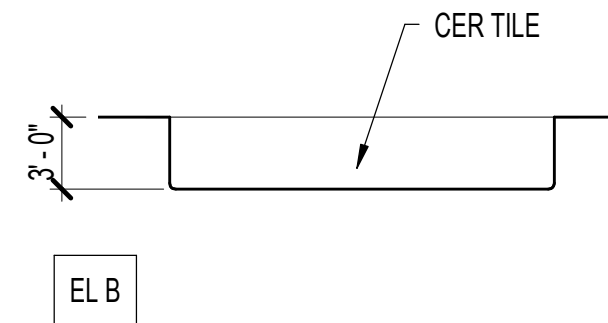


EL A

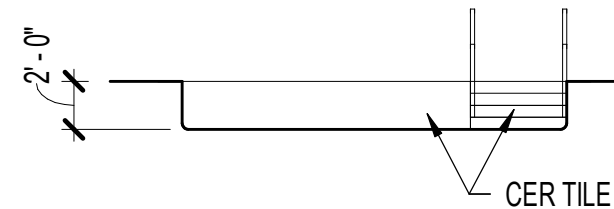


EL C

SEE "EL A" FOR TYPICAL NOTES.



EL B



EL D

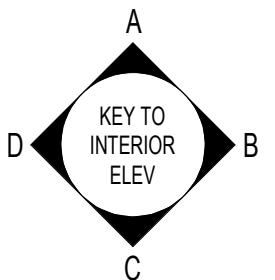
APPROXIMATE TOTAL FINISH AREA TABULATION

	FLOOR	WALLS	TOTAL
TRAINING POOL			
A. FIELD TILE	340 SF	190 SF	530 SF
GRAND TOTAL:			530 SF

2 TRAINING POOL WALL ELEVATIONS

1/8" = 1'-0"

0 4' 8'
SCALE: 1/8" = 1'-0"



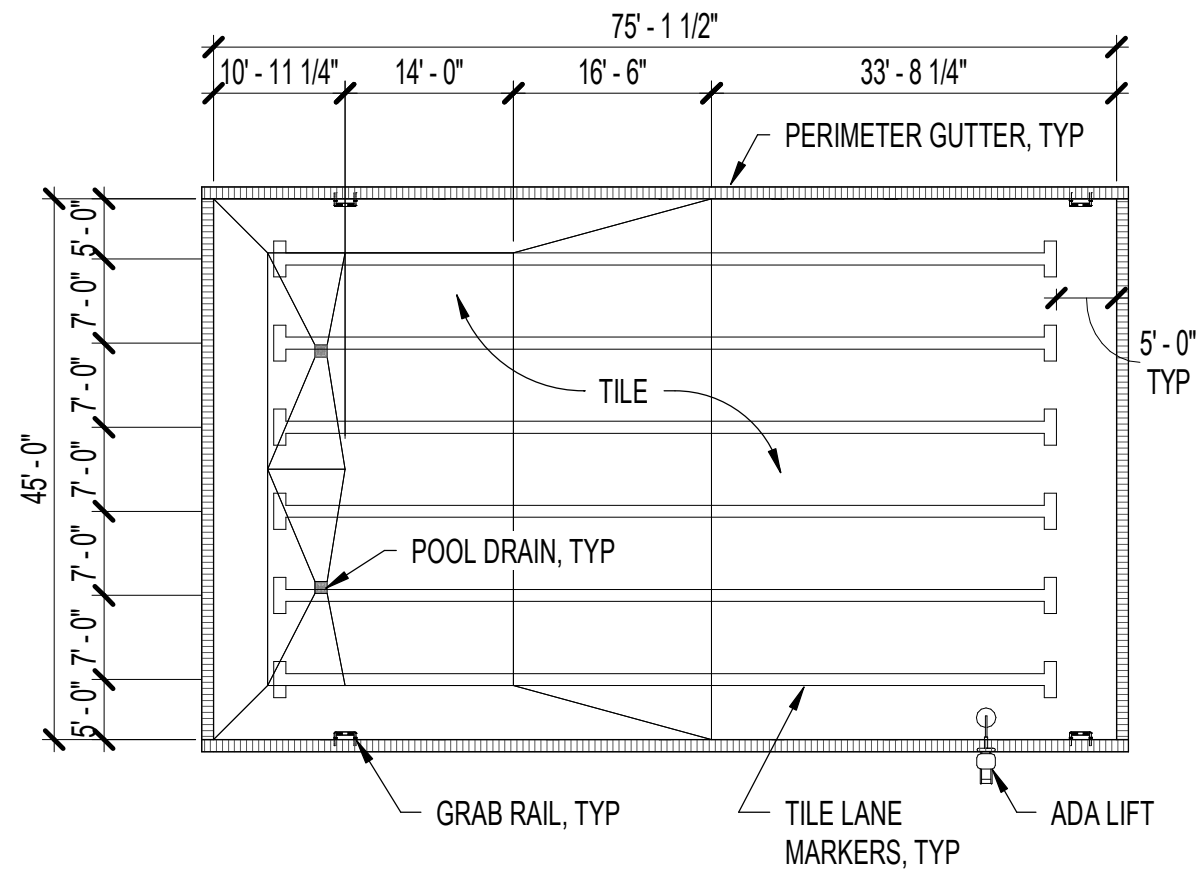
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ
1527 KE'EAUMOKU STREET, HONOLULU, OAHU, HAWAII 96822

RMA ARCHITECTS INC.

SHEET:
MAKIKI DISRTICT PARK POOL

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-7b	05/2025

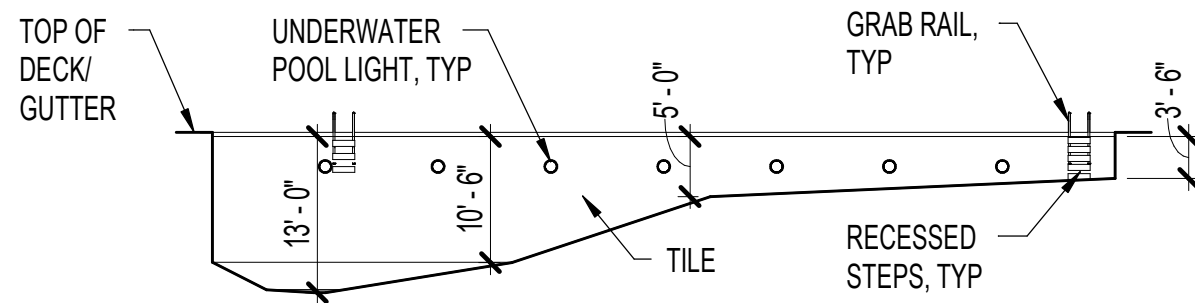
TMK: 7-4-008: 002



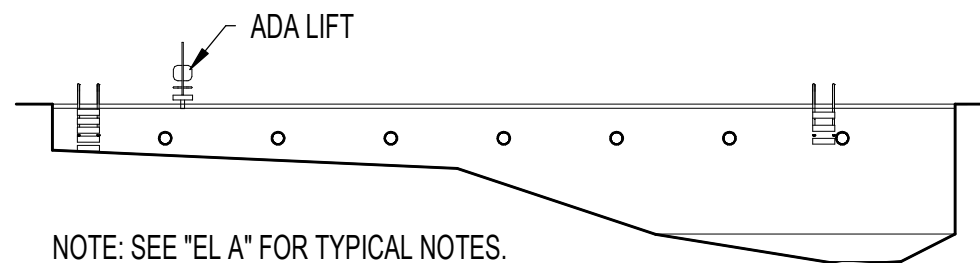
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	3,070 SF	1,600 SF	4,670 SF
B. LANE MARKER TILE	420 SF	100 SF	520 SF
GRAND TOTAL:			5,190 SF

1 MAIN POOL PLAN

1/16" = 1'-0"



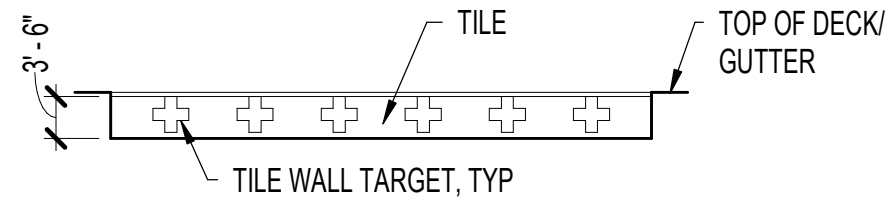
EL A



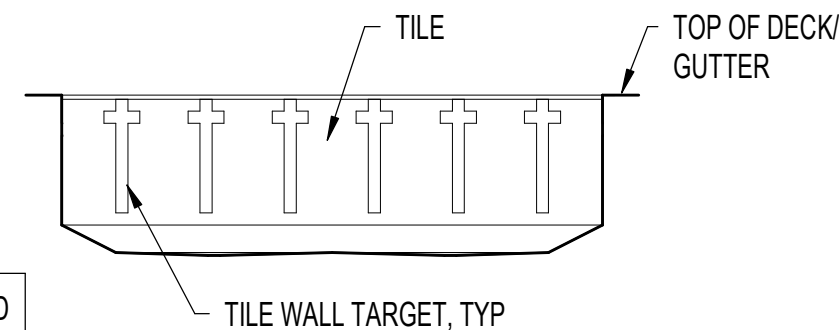
EL C

2 MAIN POOL WALL ELEVATIONS

1/16" = 1'-0"



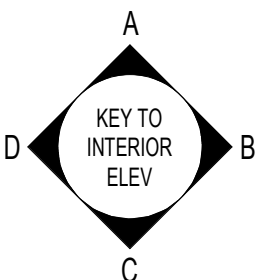
EL B



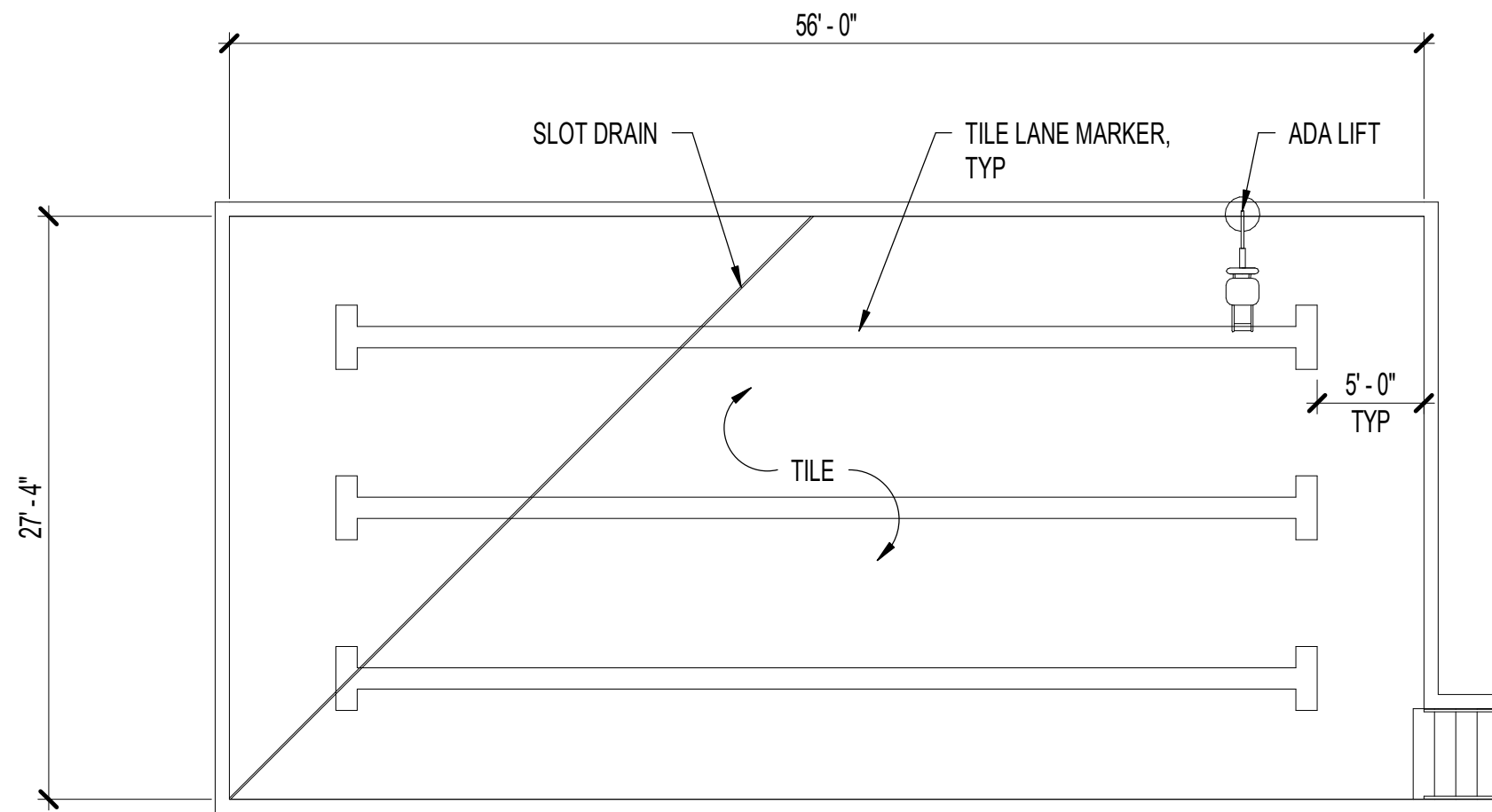
EL D

0 8' 16'

SCALE: 1/16" = 1'-0"



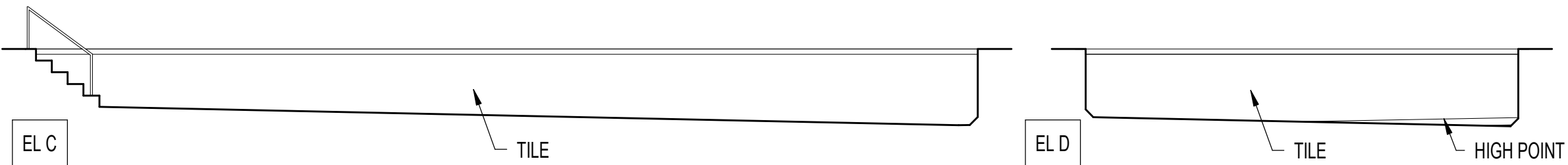
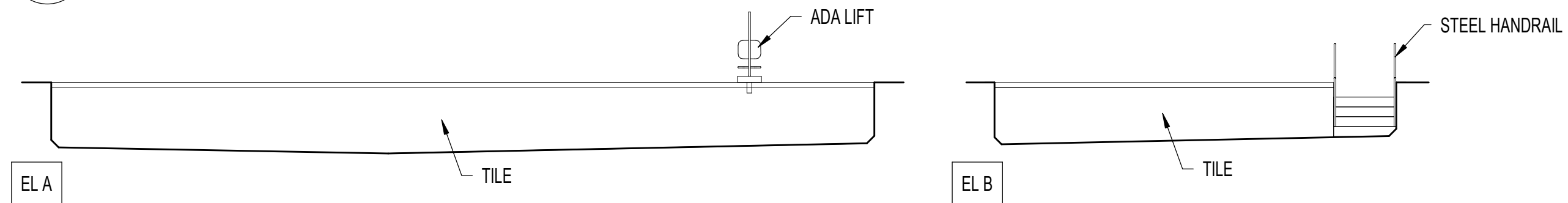
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
831 PUMEHANA STREET, HONOLULU, OAHU, HAWAII 96826		
RMA ARCHITECTS INC.		
SHEET: MCCULLY DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-8	05/2025
TMK: 2-3-029: 002		



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	1,400 SF	670 SF	2,070 SF
B. LANE MARKER TILE	150 SF	0 SF	150 SF
GRAND TOTAL:			2,220 SF

1 POOL PLAN

1/8" = 1'-0"

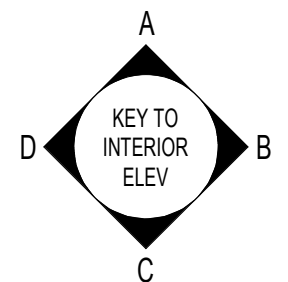


2 POOL WALL ELEVATIONS

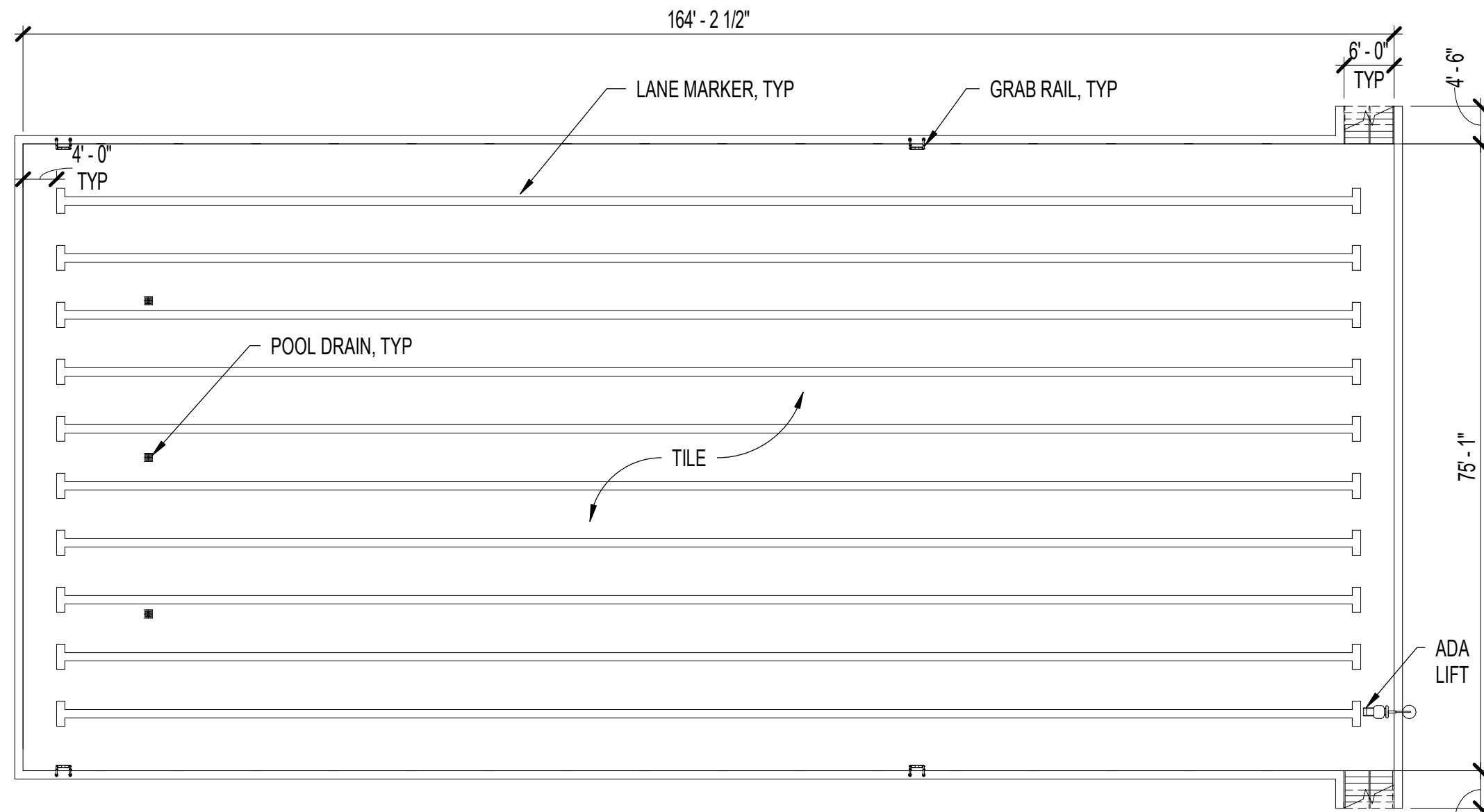
1/8" = 1'-0"

0 4' 8'

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

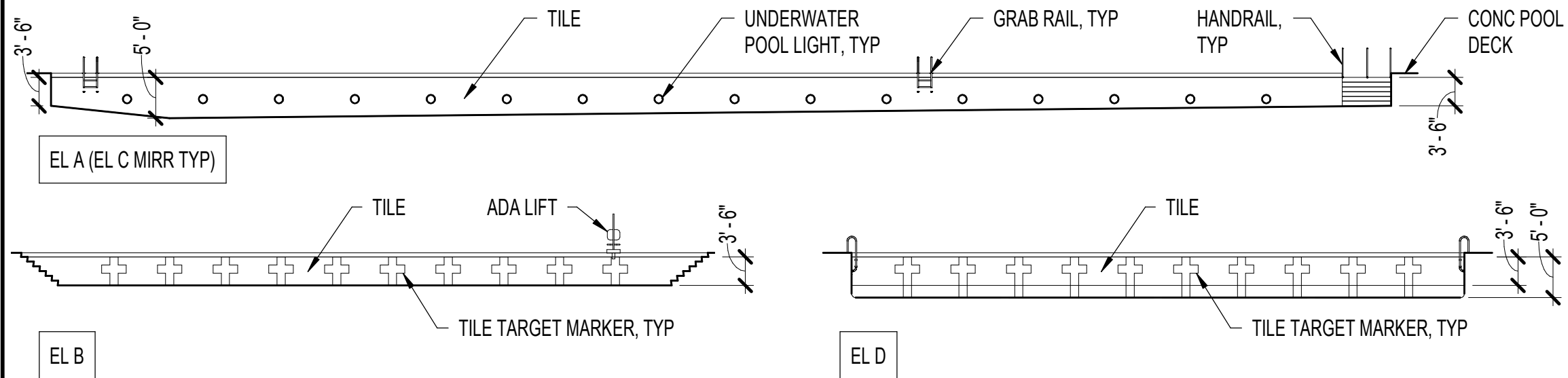


DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
2900 MOANALUA ROAD, HONOLULU, OAHU, HAWAII 96819		
RMA ARCHITECTS INC.		
SHEET: MOANALUA COMMUNITY PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-9	05/2025
TMK: 1-1-009: 005		



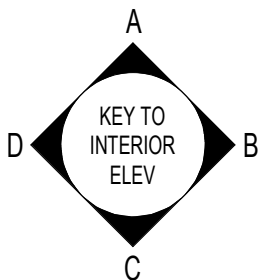
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	10,740 SF	1,130 SF	11,870 SF
B. LANE MARKER TILE	1,610 SF	110 SF	1,720 SF
GRAND TOTAL:			13,590 SF

1 POOL PLAN
1/16" = 1'-0"

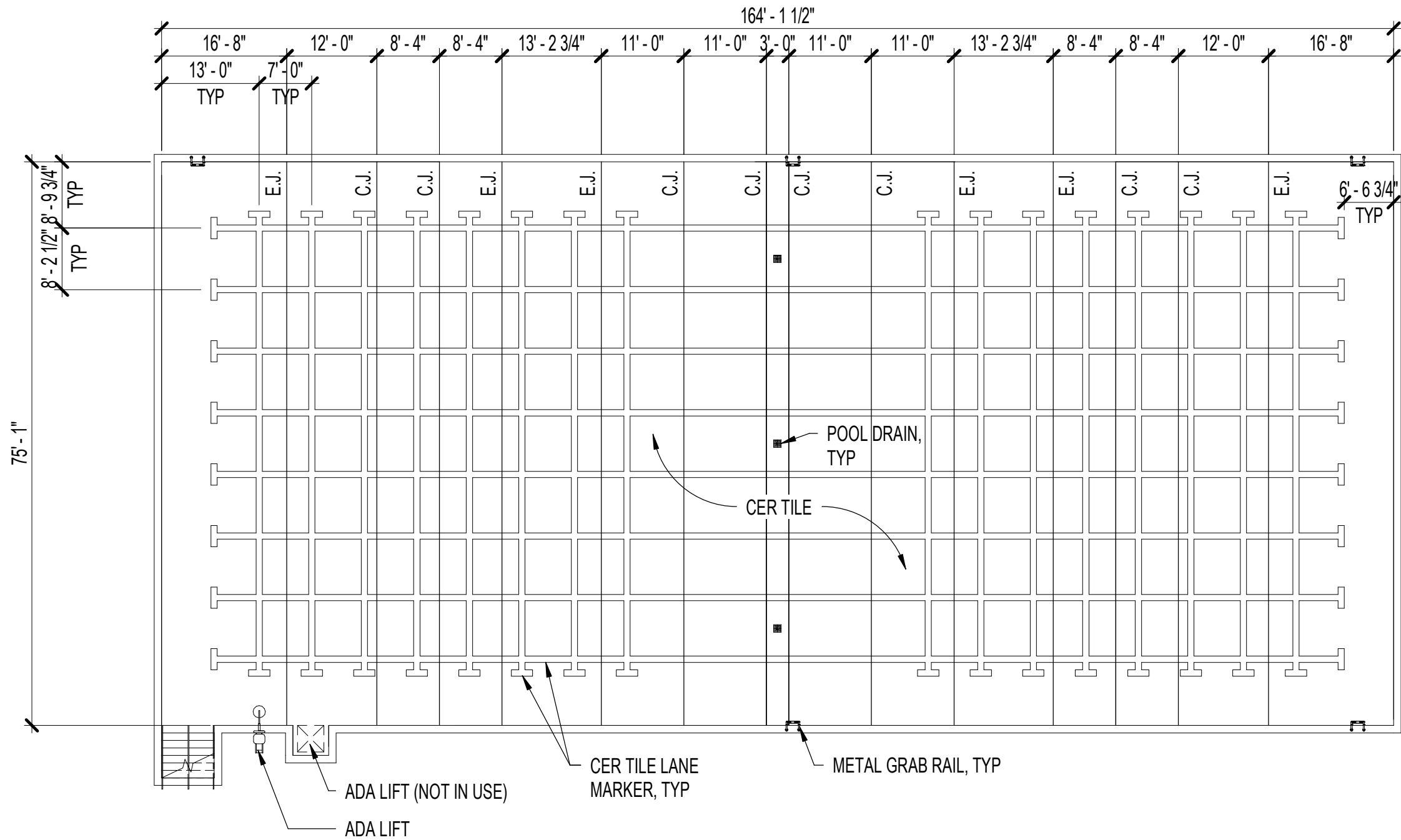


2 POOL WALL ELEVATIONS
1/16" = 1'-0"

0 8' 16'
SCALE: 1/16" = 1'-0"



DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 2007 PALOLO AVENUE, HONOLULU, OAHU, HAWAII 96816		
RMA ARCHITECTS INC.		
SHEET: PALOLO VALLEY DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-10	05/2025
TMK: 3-4-007: 010		



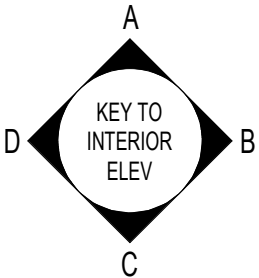
1

MAIN POOL PLAN

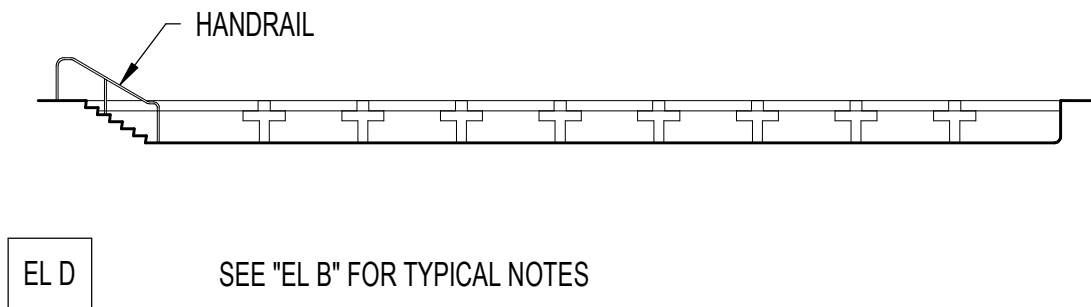
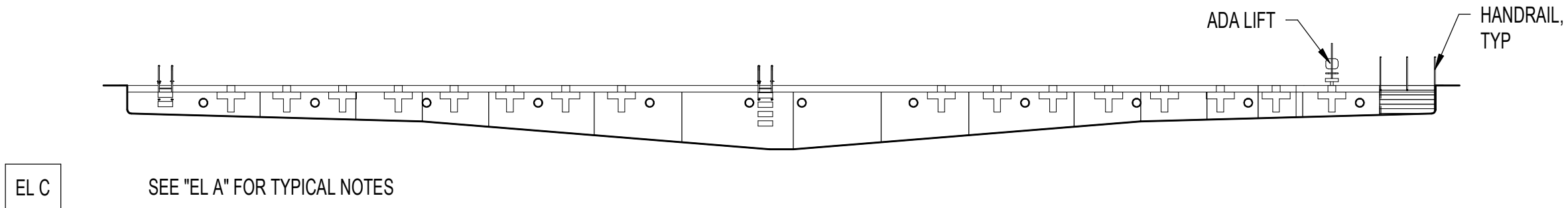
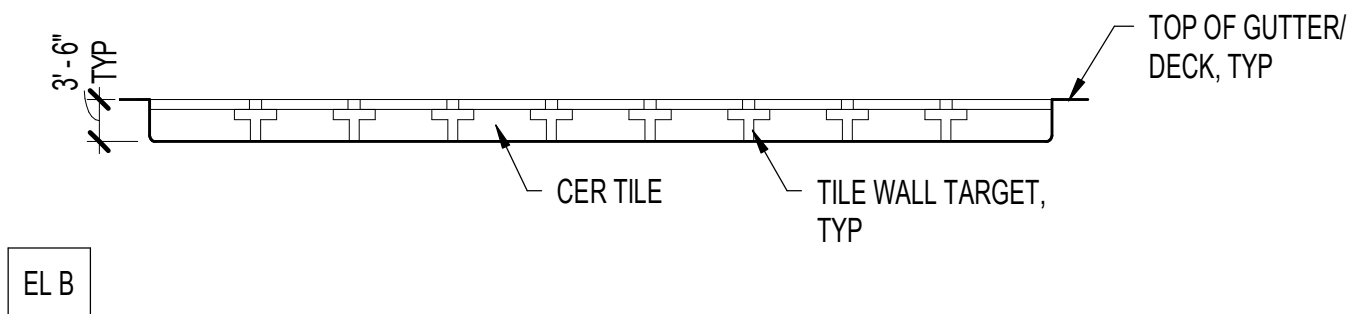
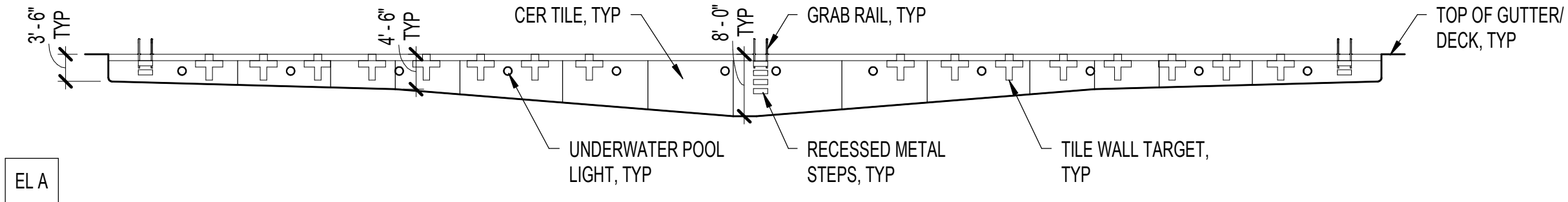
1/16" = 1'-0"

APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	10,590 SF	1,940 SF	12,530 SF
B. LANE MARKER TILE	1,830 SF	210 SF	2,040 SF
GRAND TOTAL:			14,570 SF

0 8' 16'
SCALE: 1/16" = 1'-0"



DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 1159 ALA LILIKOI PLACE, HONOLULU, OAHU, HAWAII 96818		
RMA ARCHITECTS INC.		
SHEET: SALT LAKE DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-11a	05/2025
TMK: 1-1-063: 014		



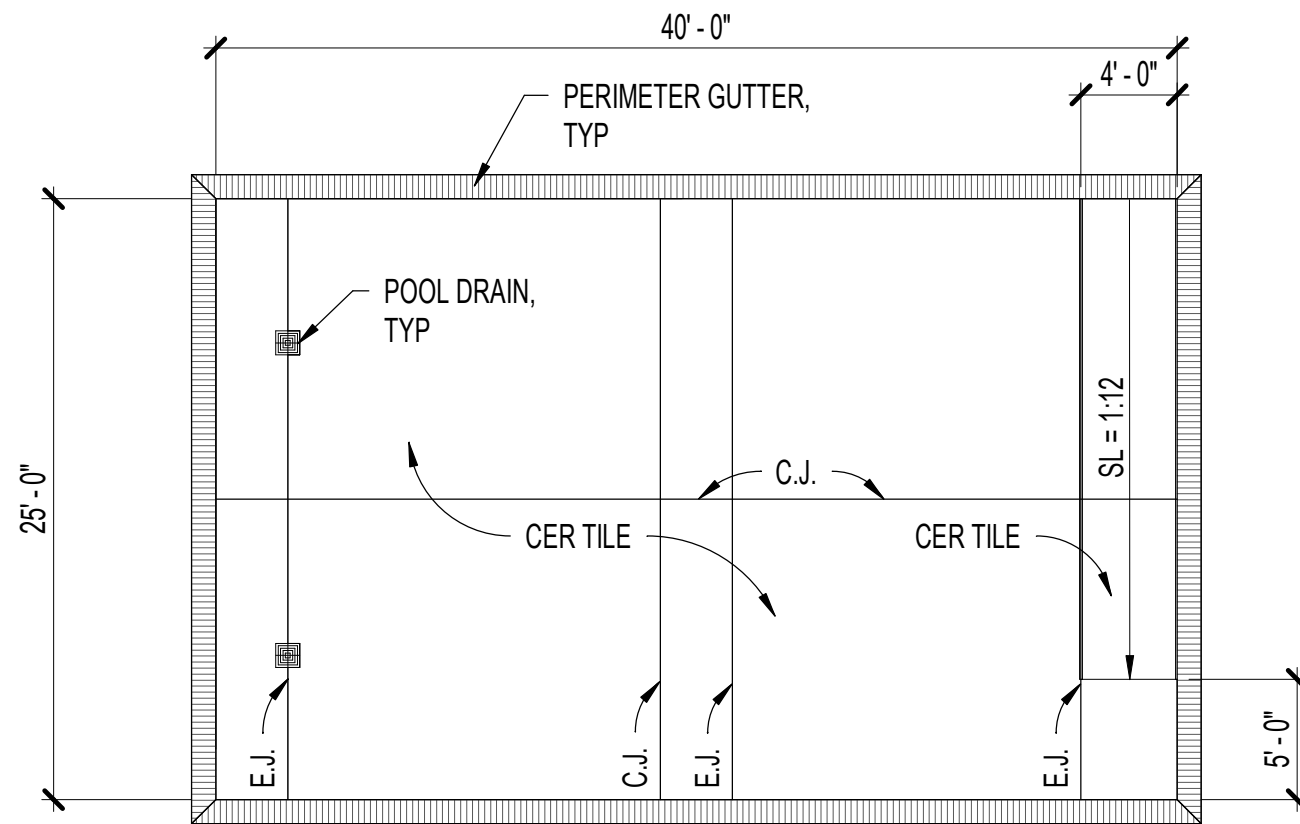
0 8' 16'

SCALE: 1/16" = 1'-0"

1 MAIN POOL WALL ELEVATIONS

1/16" = 1'-0"

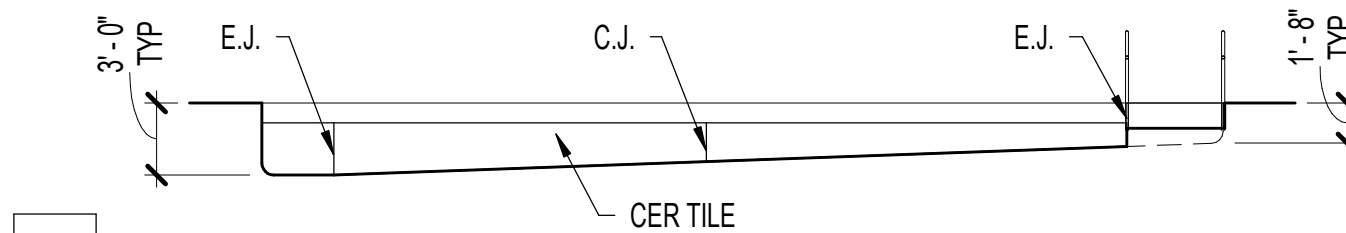
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
1159 ALA LILIKOI PLACE, HONOLULU, OAHU, HAWAII 96818		
RMA ARCHITECTS INC.		
SHEET: SALT LAKE DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
MAIN POOL ELEVATIONS	A-11b	05/2025
TMK: 1-1-063: 014		



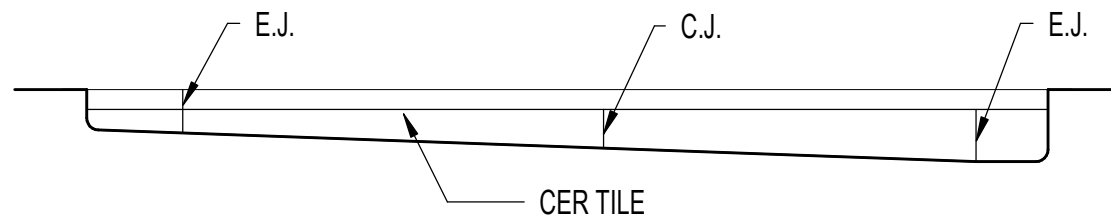
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
TRAINING POOL A. FIELD TILE	1,000 SF	200 SF	1,200 SF
GRAND TOTAL:			1,200 SF

1 TRAINING POOL PLAN

1/8" = 1'-0"



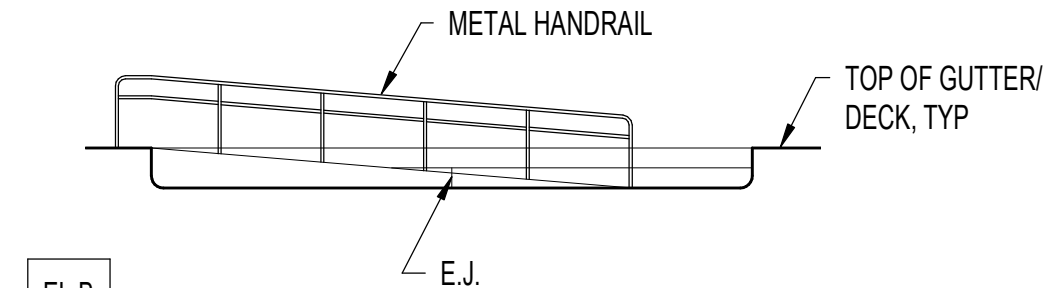
EL A



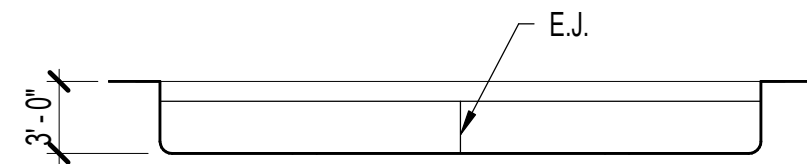
EL C

2 TRAINING POOL WALL ELEVATIONS

1/8" = 1'-0"

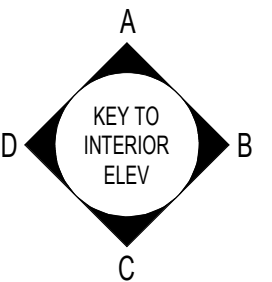


EL B

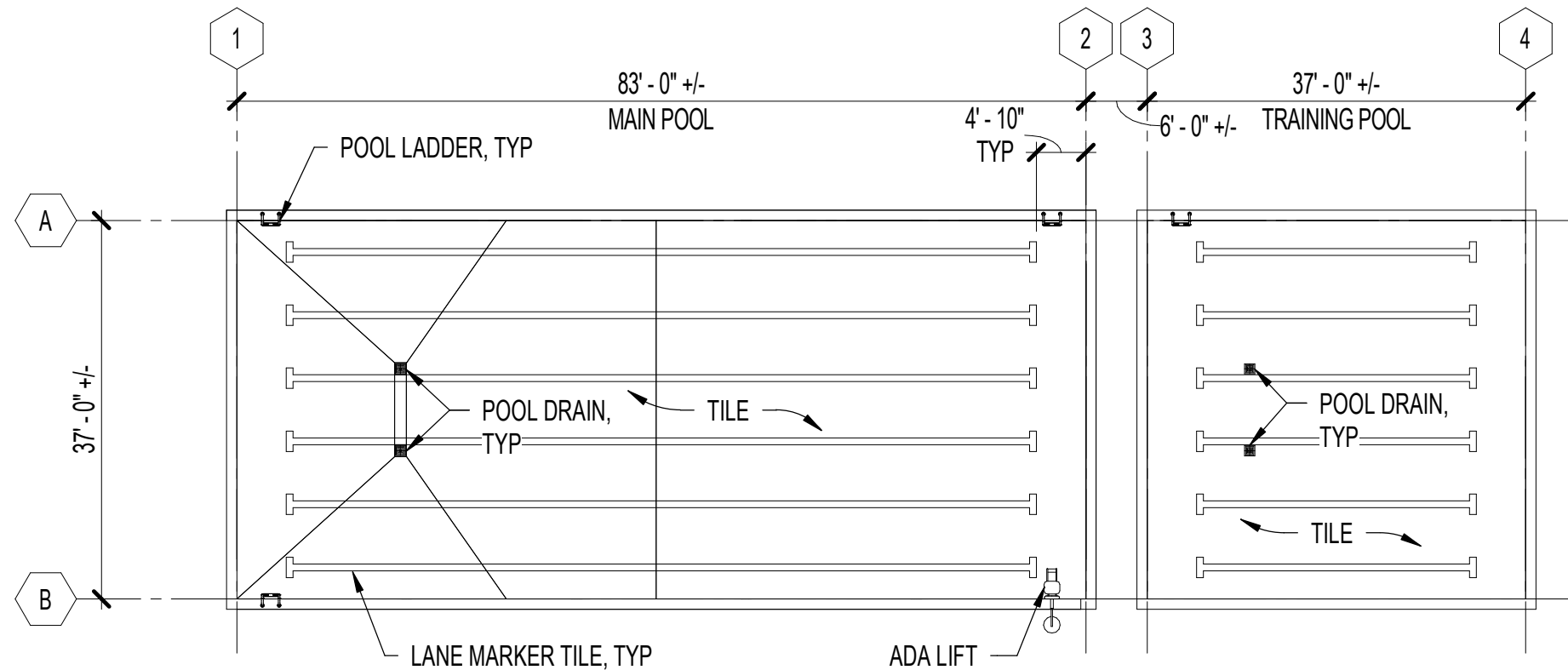


EL D

0 4' 8'
SCALE: 1/8" = 1'-0"



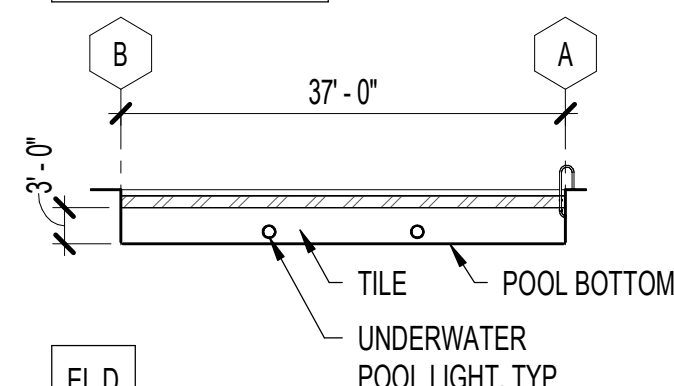
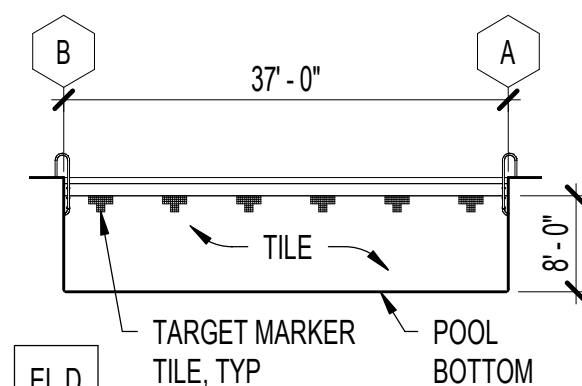
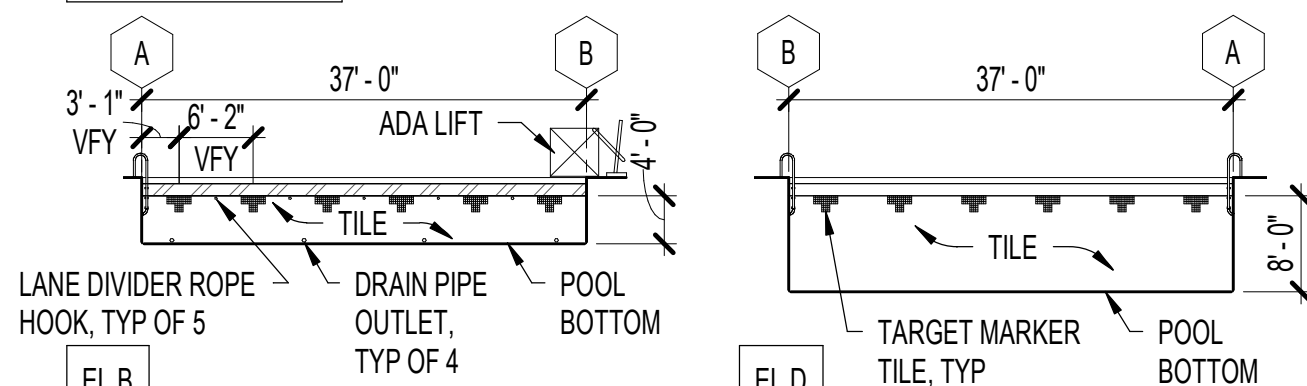
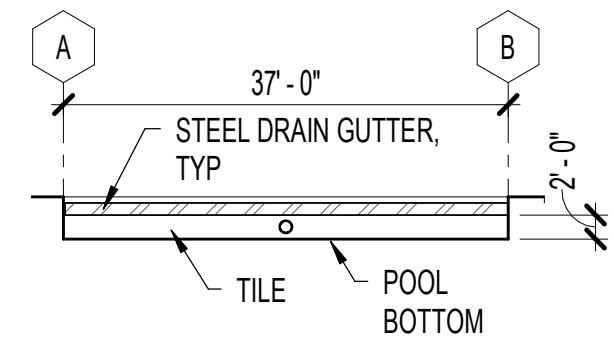
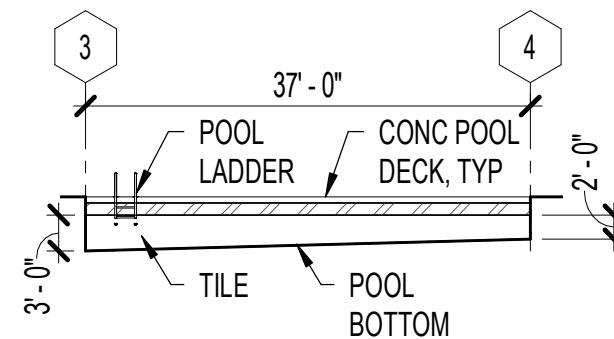
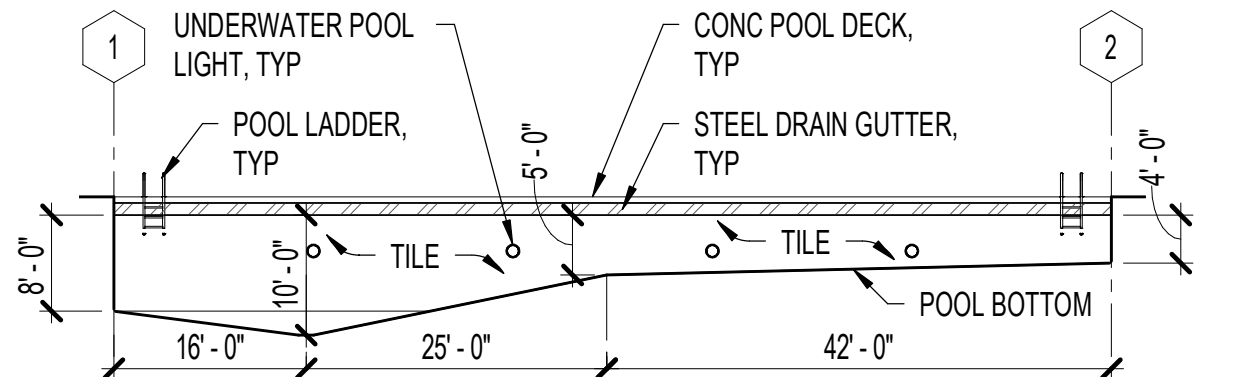
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
1159 ALA LILIKOI PLACE, HONOLULU, OAHU, HAWAII 96818		
RMA ARCHITECTS INC.		
SHEET: SALT LAKE DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-11c	05/2025
TMK: 1-1-063: 014		



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	2,790 SF	1,400 SF	4,190 SF
B. LANE MARKER TILE	310 SF	30 SF	340 SF
TRAINING POOL			
A. FIELD TILE	1,250 SF	370 SF	1,620 SF
B. LANE MARKER TILE	120 SF	0 SF	120 SF
GRAND TOTAL:			6,270 SF

1 POOL PLAN

1/16" = 1'-0"



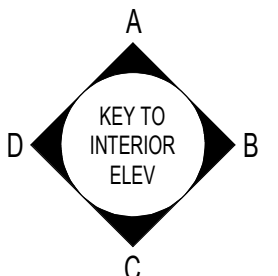
2 MAIN POOL WALL ELEVATIONS

1/16" = 1'-0"

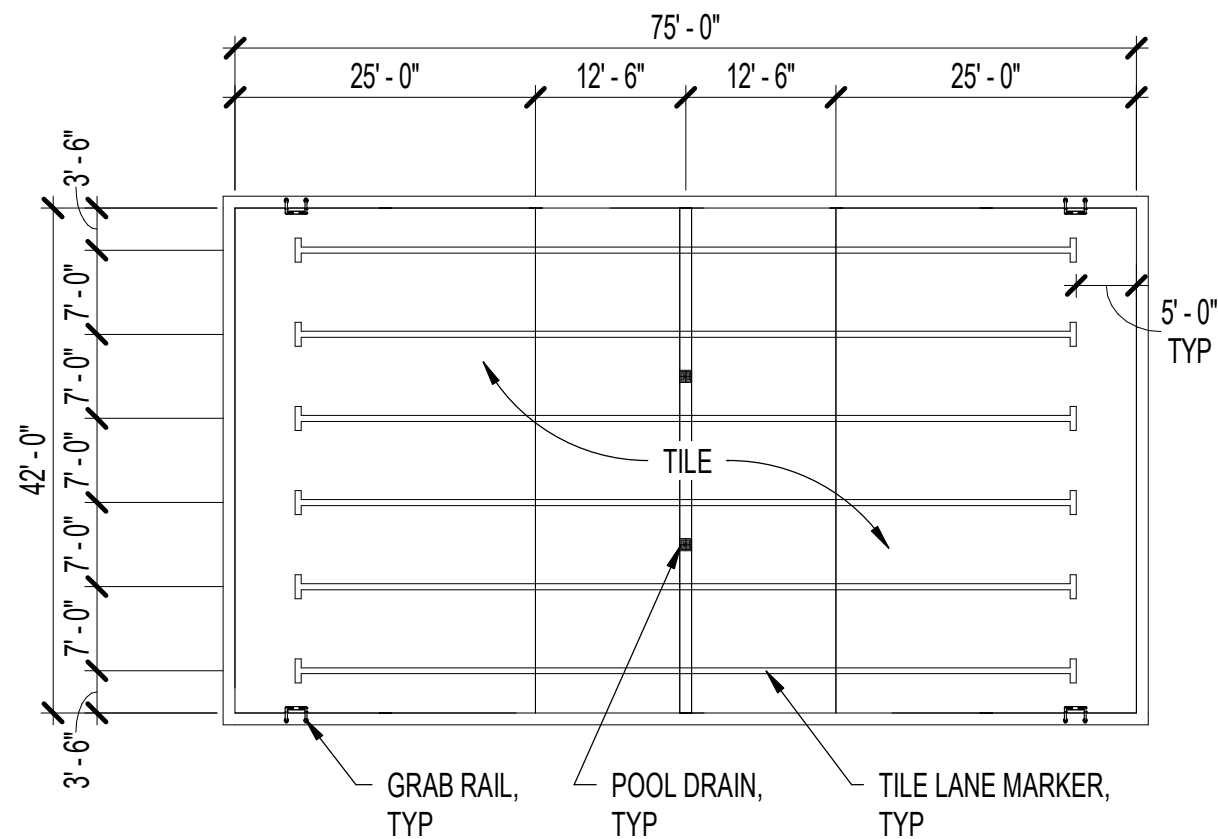
3 TRAINING POOL WALL ELEVATIONS

1/16" = 1'-0"

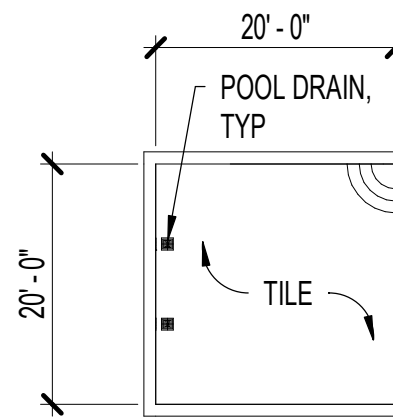
0 8' 16'
SCALE: 1/16" = 1'-0"



DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
1129 KILANI AVENUE, WAHIAWA, OAHU, HAWAII 96786		
RMA ARCHITECTS INC.		
SHEET: WAHIAWA DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-12	05/2025
TMK: 7-4-008: 002		

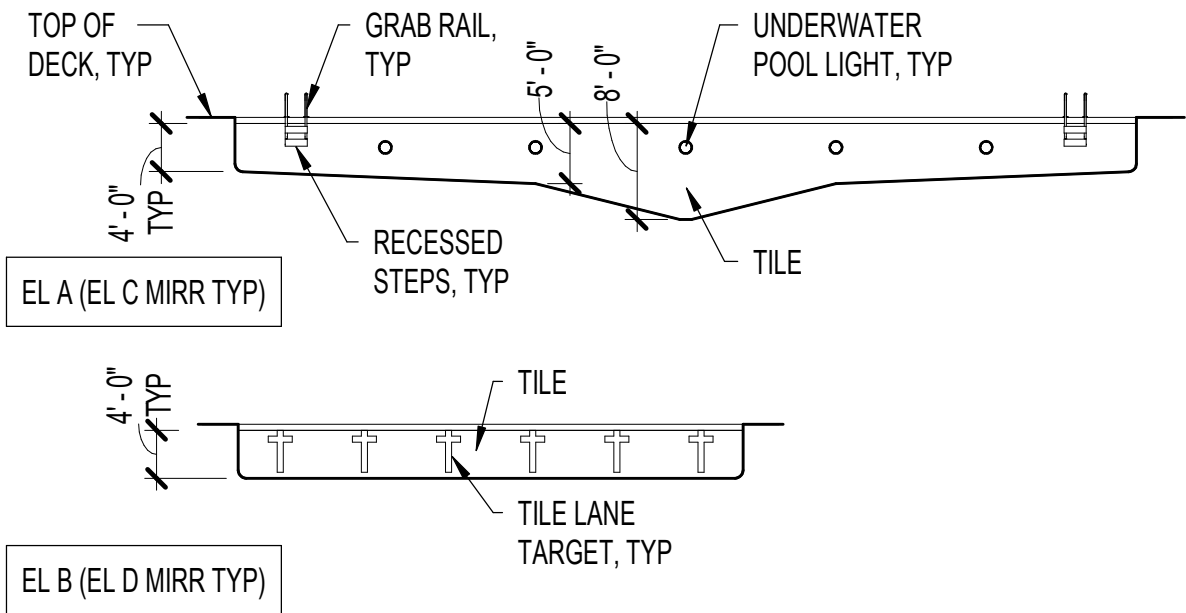


1 MAIN POOL PLAN
1/16" = 1'-0"

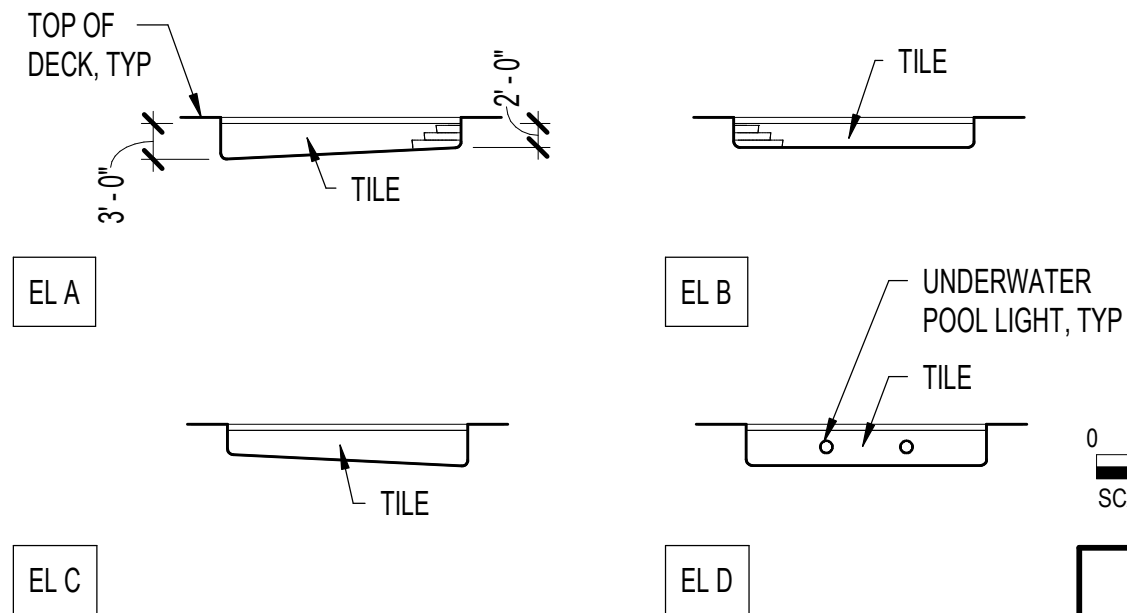


2 WADING POOL PLAN
1/16" = 1'-0"

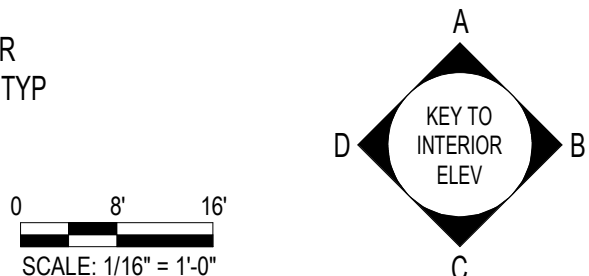
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. FIELD TILE	2,980 SF	1,100 SF	4,080 SF
B. LANE MARKER TILE	210 SF	30 SF	240 SF
GRAND TOTAL:			4,320 SF
WADING POOL			
A. FIELD TILE	420 SF	200 SF	420 SF
GRAND TOTAL:			420 SF



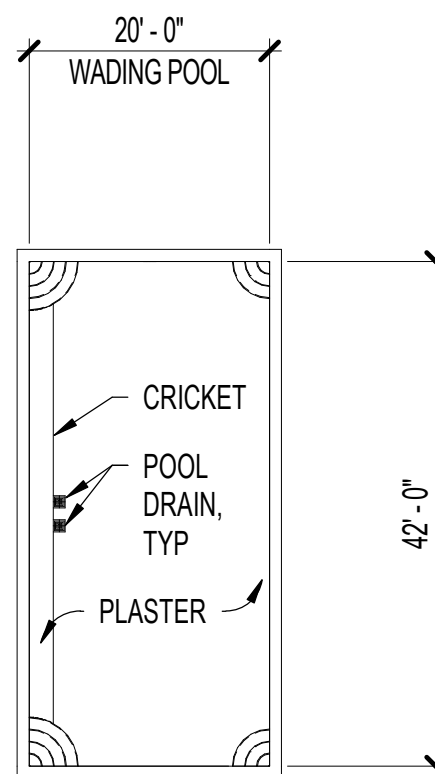
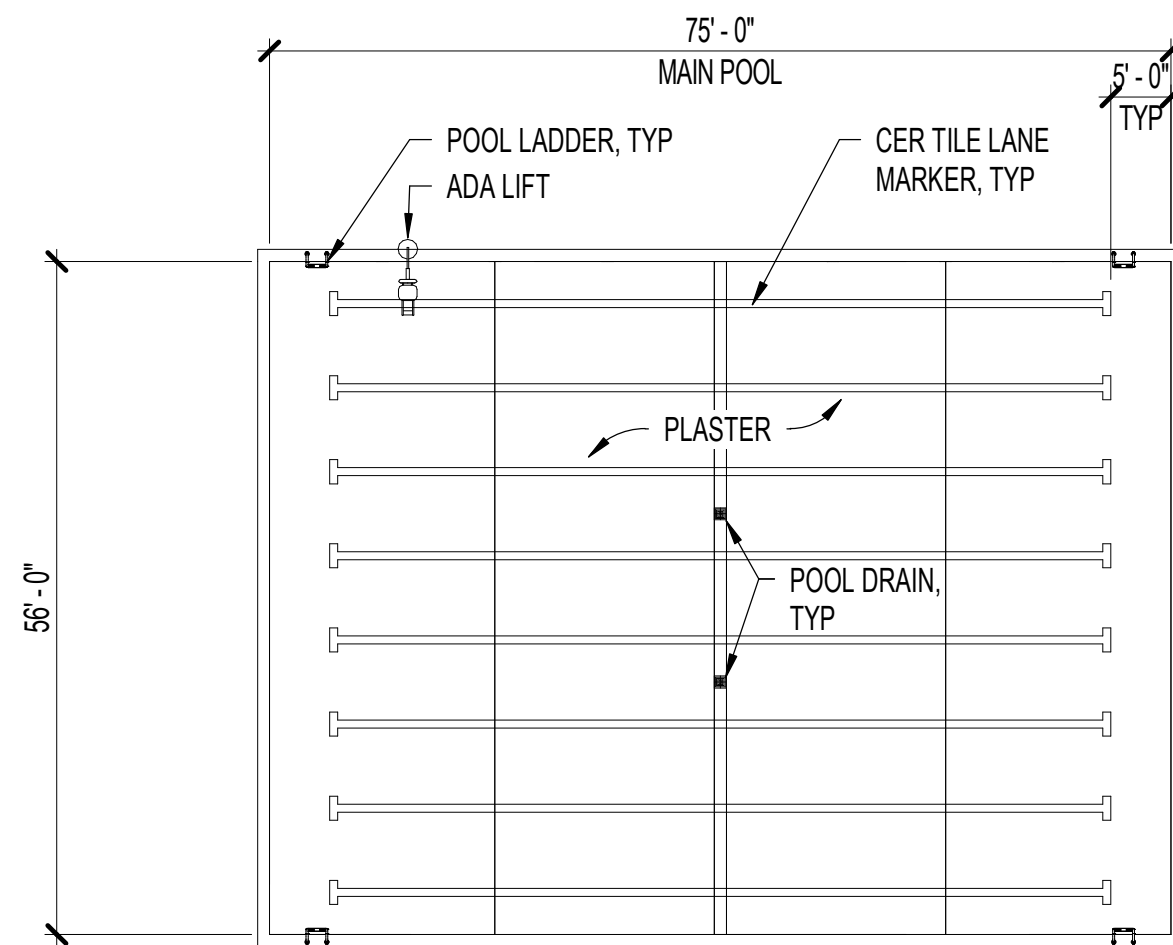
3 MAIN POOL WALL ELEVATIONS
1/16" = 1'-0"



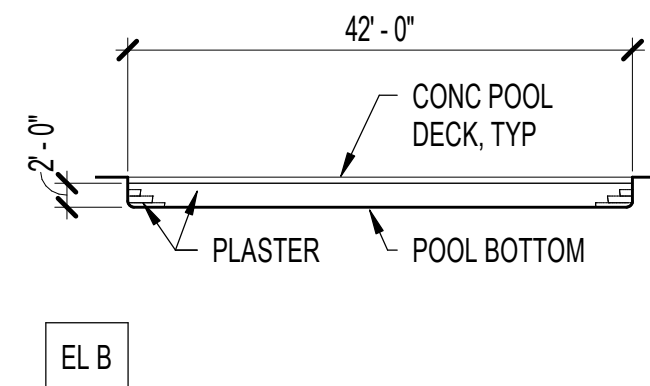
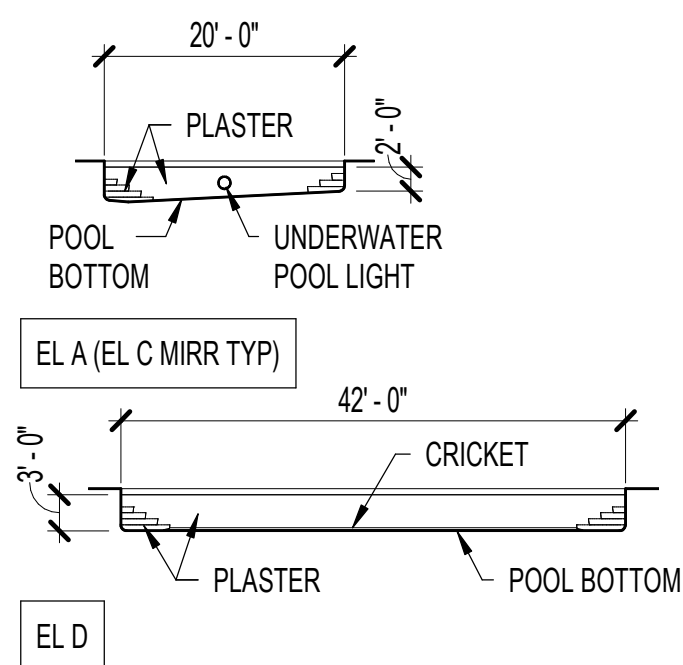
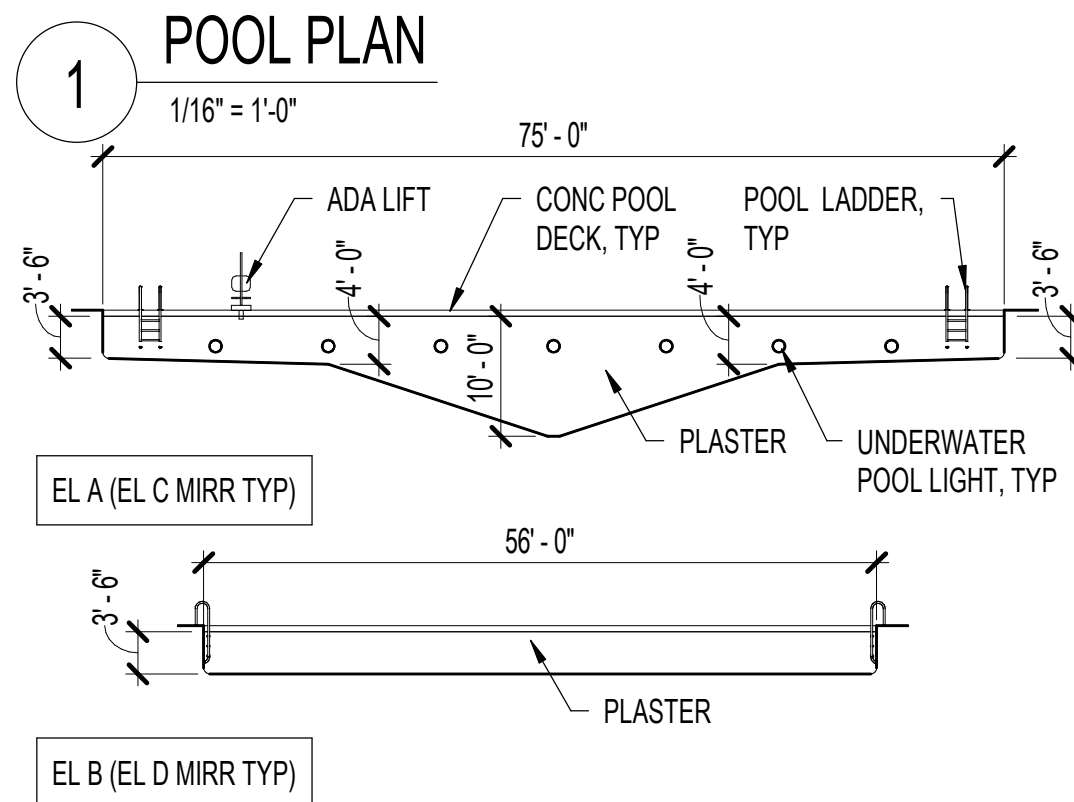
4 WADING POOL WALL ELEVATIONS
1/16" = 1'-0"



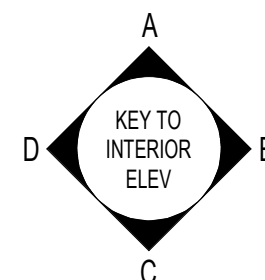
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
94-230 PAIWA STREET, WAIPAHU, OAHU, HAWAII 96797		
RMA ARCHITECTS INC.		
SHEET: WAIPAHU DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-13	05/2025
TMK: 9-4-017: 003		



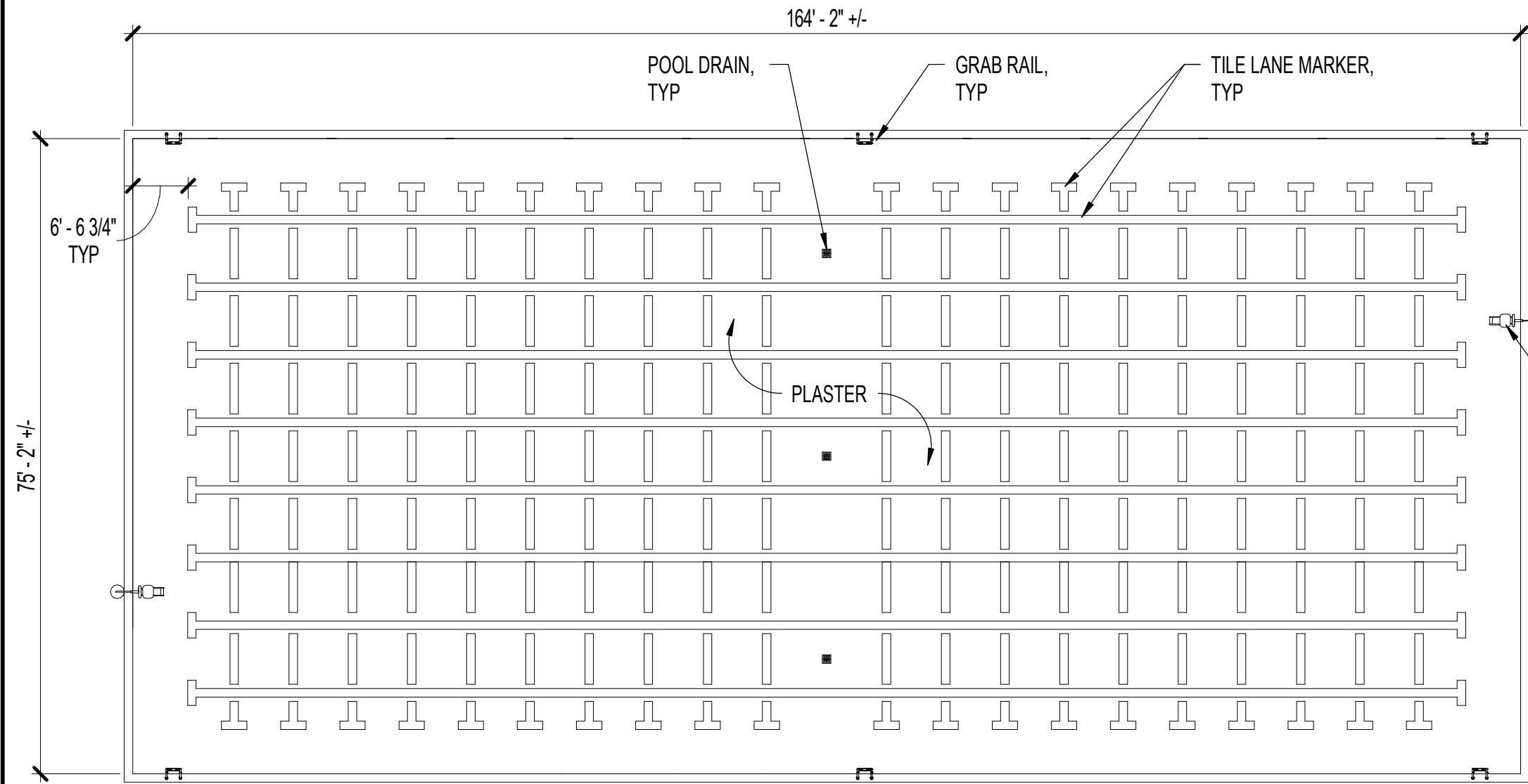
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	3,950 SF	1,210 SF	5,160 SF
B. LANE MARKER TILE	360 SF	0 SF	360 SF
WADING POOL			
A. PLASTER	1,000 SF	310 SF	1,310 SF
GRAND TOTAL:			6,830 SF



0 8' 16'
SCALE: 1/16" = 1'-0"

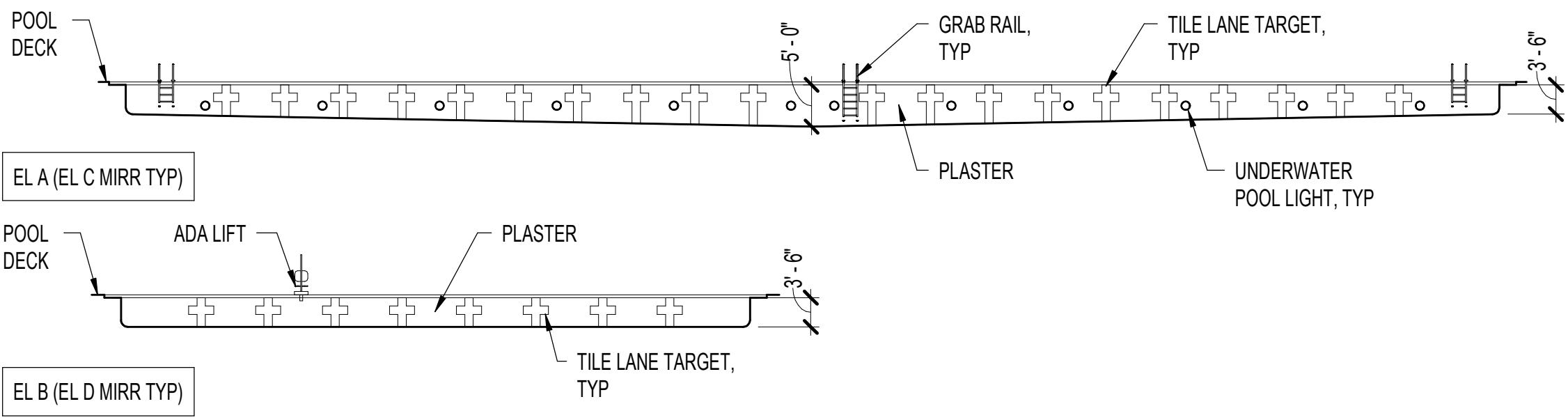


DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
99-350 AIEA HEIGHTS ROAD, AIEA, OAHU, HAWAII 96701		
RMA ARCHITECTS INC.		
SHEET: AIEA DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-14	05/2025
TMK: 9-9-005: 015		

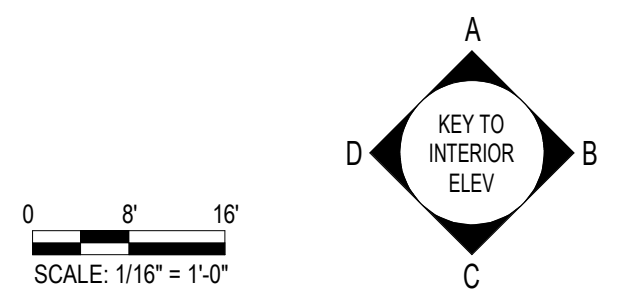


APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	11,100 SF	1,680 SF	12,780 SF
B. LANE MARKER TILE	1,250 SF	430 SF	1,680 SF
GRAND TOTAL:			14,460 SF

1 POOL PAN
1/16" = 1'-0"



2 POOL WALL ELEVATIONS
1/16" = 1'-0"



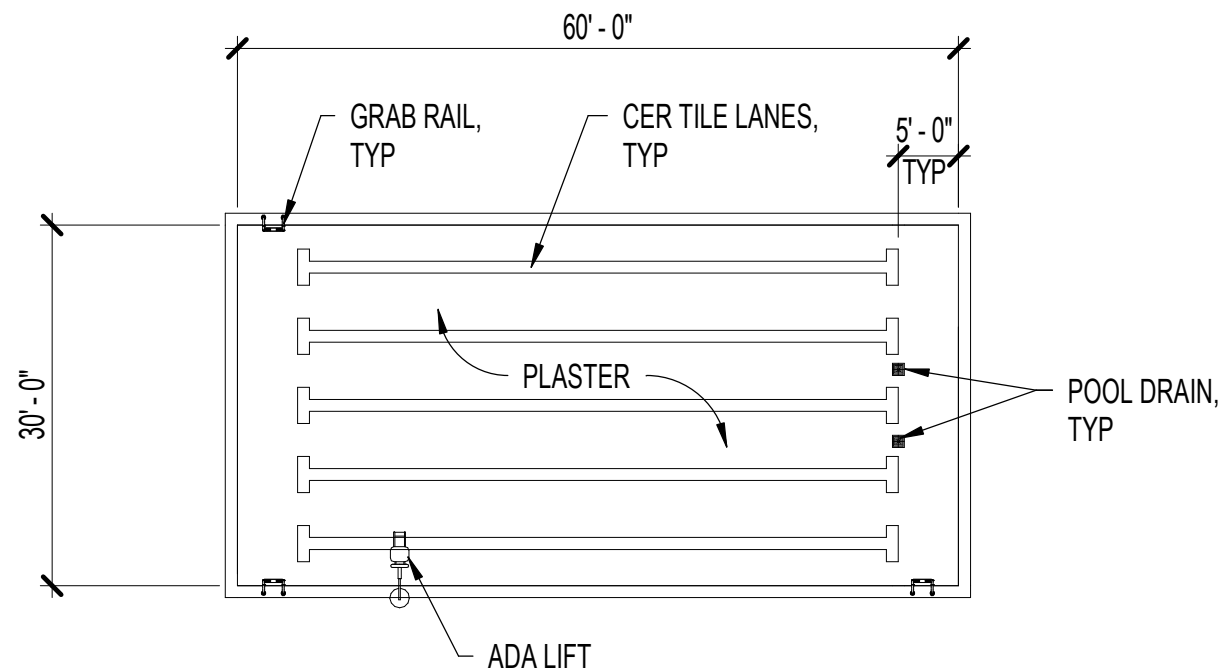
DPR SWIMMING POOL TILE &
PLASTER IMPROVEMENTS IDIQ
21 S KAINALU DRIVE, KAILUA, OAHU, HAWAII 96734

RMA ARCHITECTS INC.

SHEET:
KAILUA DISTRICT PARK POOL

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-15	05/2025

TMK: 4-3-056: 009

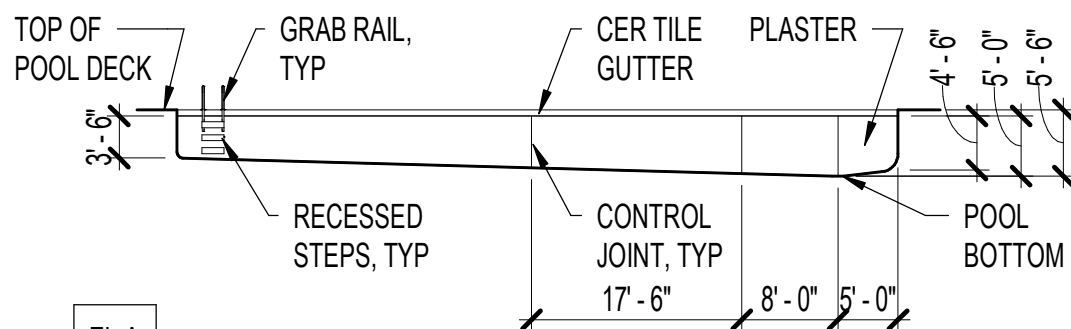


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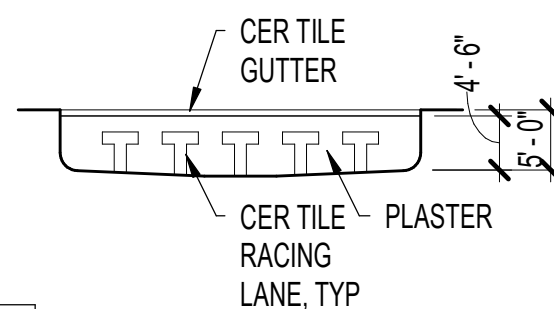
POOL PLAN

1/16" = 1'-0"

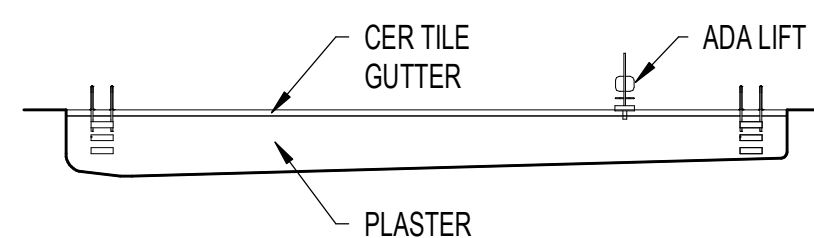
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	1,510 SF	720 SF	2,230 SF
B. LANE MARKER TILE	300 SF	140 SF	440 SF
GRAND TOTAL:			2,670 SF



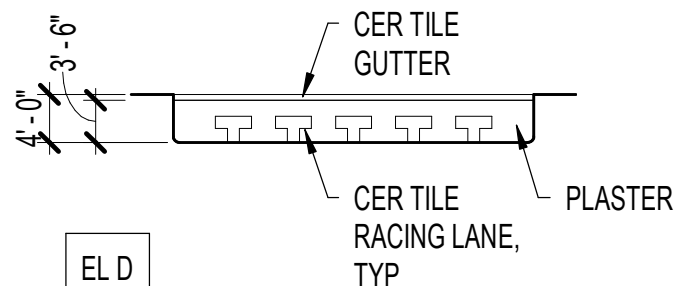
EL A



EL B



EL C



EL D

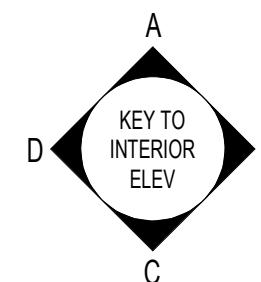
2

POOL WALL ELEVATIONS

1/16" = 1'-0"

0 8' 16'

SCALE: 1/16" = 1'-0"



DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ

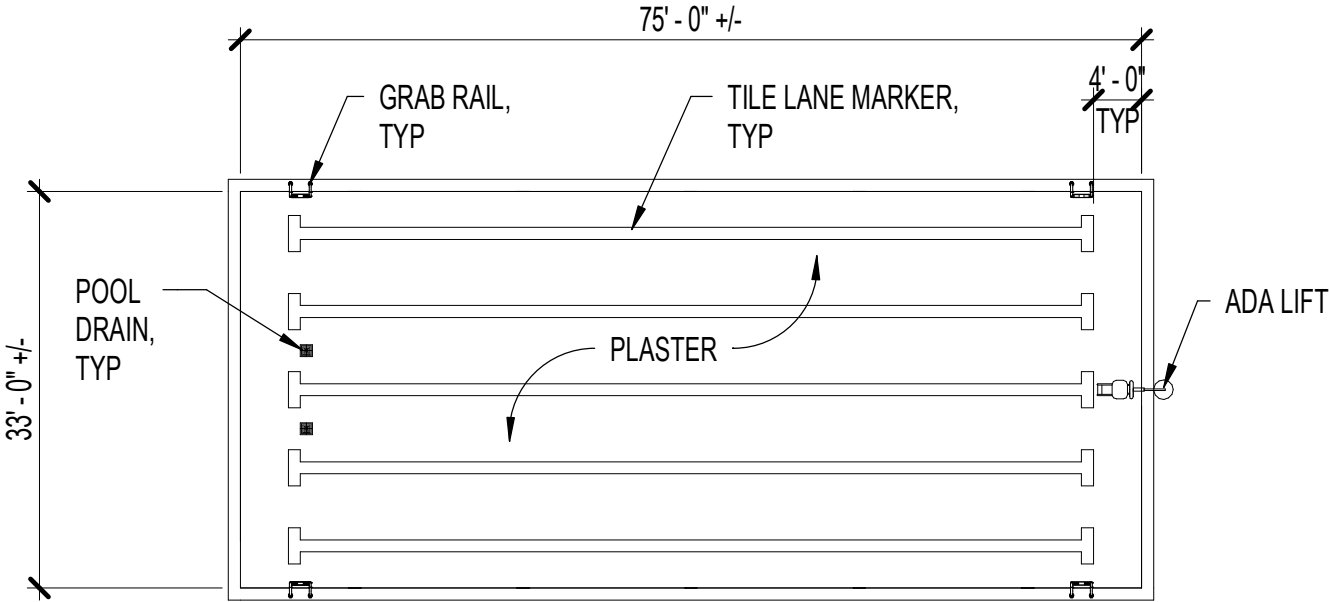
92-665 ANIPEAHI STREET, KAPOLEI, OAHU, HAWAII 96707

RMA ARCHITECTS INC.

SHEET: **MAKAKILO NEIGHBORHOOD PARK POOL**

REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-16	05/2025

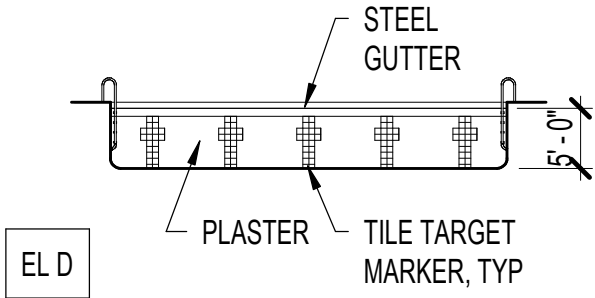
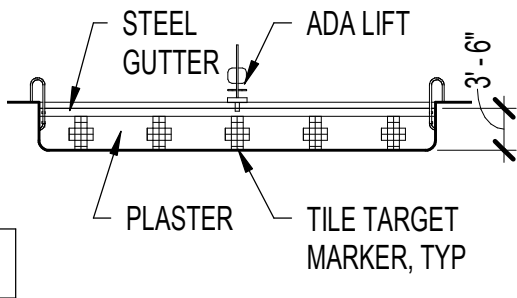
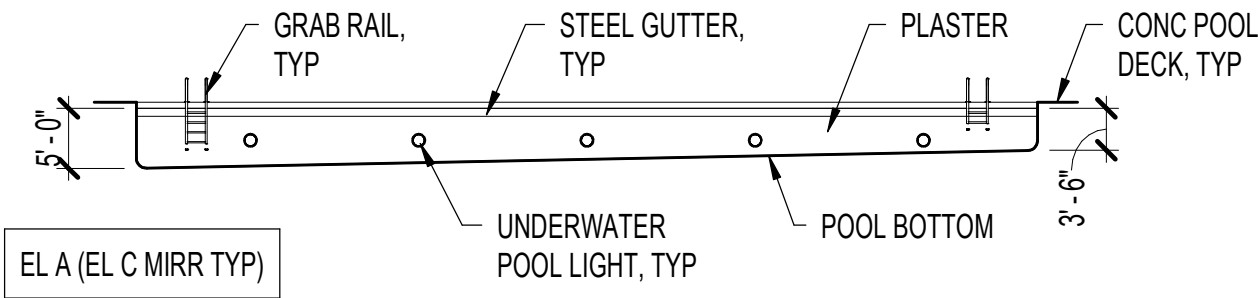
TMK: 9-2-012: 074



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	2,120 SF	870 SF	2,990 SF
B. LANE MARKER TILE	360 SF	50 SF	410 SF
GRAND TOTAL:			3,400 SF

1 POOL PLAN

1/16" = 1'-0"

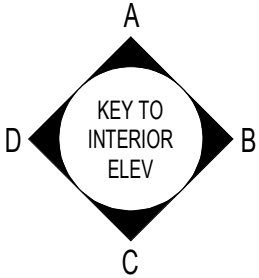


2 POOL WALL ELEVATIONS

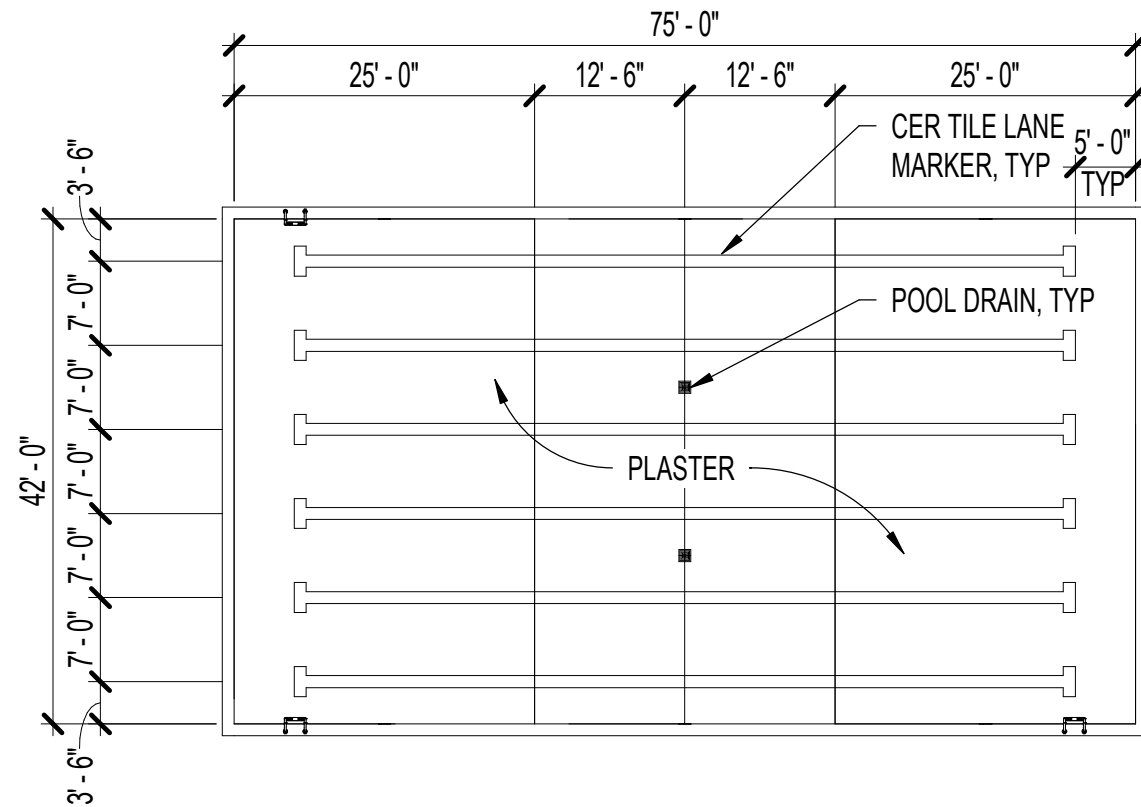
1/16" = 1'-0"

0 8' 16'

SCALE: 1/16" = 1'-0"



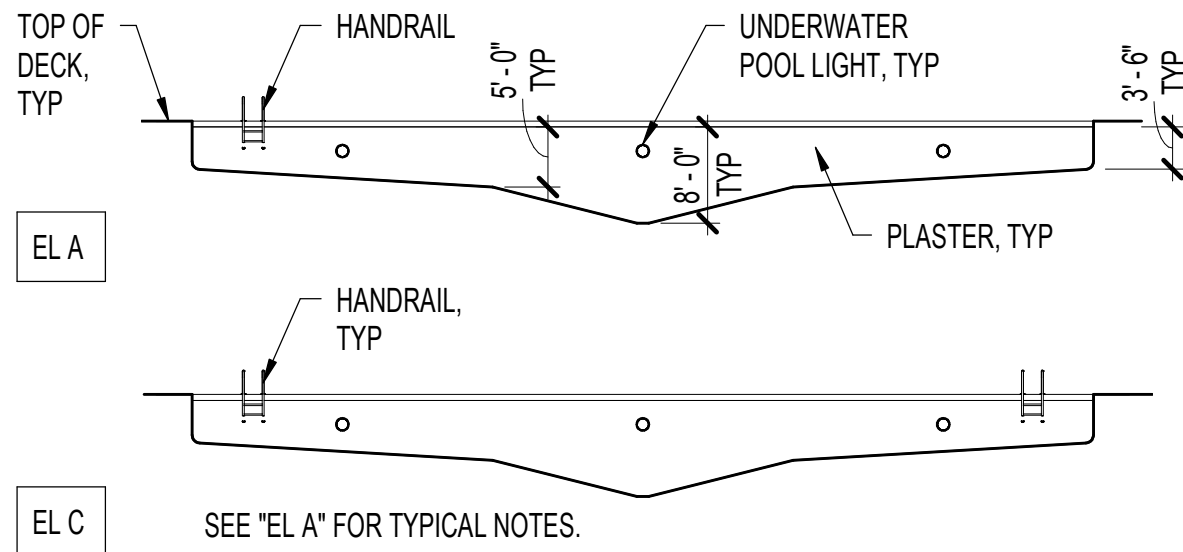
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 1378 HOOLI CIRCLE, PEARL CITY, OAHU, HAWAII 96782		
RMA ARCHITECTS INC.		
SHEET: MANANA KAI NEIGHBORHOOD PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-17	05/2025
TMK: 9-7-024: 040		



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	2,780 SF	1,010 SF	3,790 SF
B. LANE MARKER TILE	410 SF	50 SF	460 SF
GRAND TOTAL:			4,250 SF

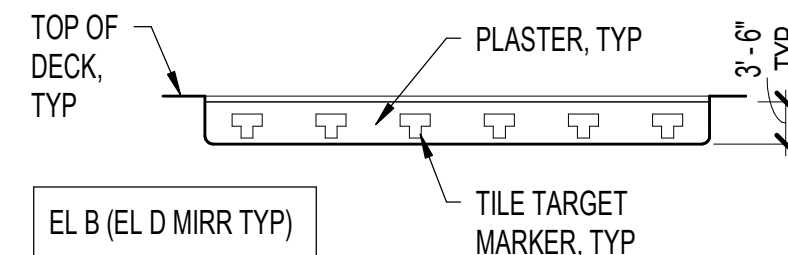
1 MAIN POOL PLAN

1/16" = 1'-0"

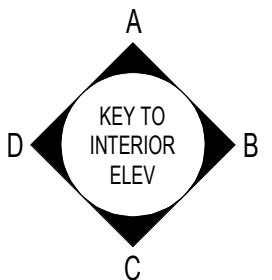


2 MAIN POOL WALL ELEVATIONS

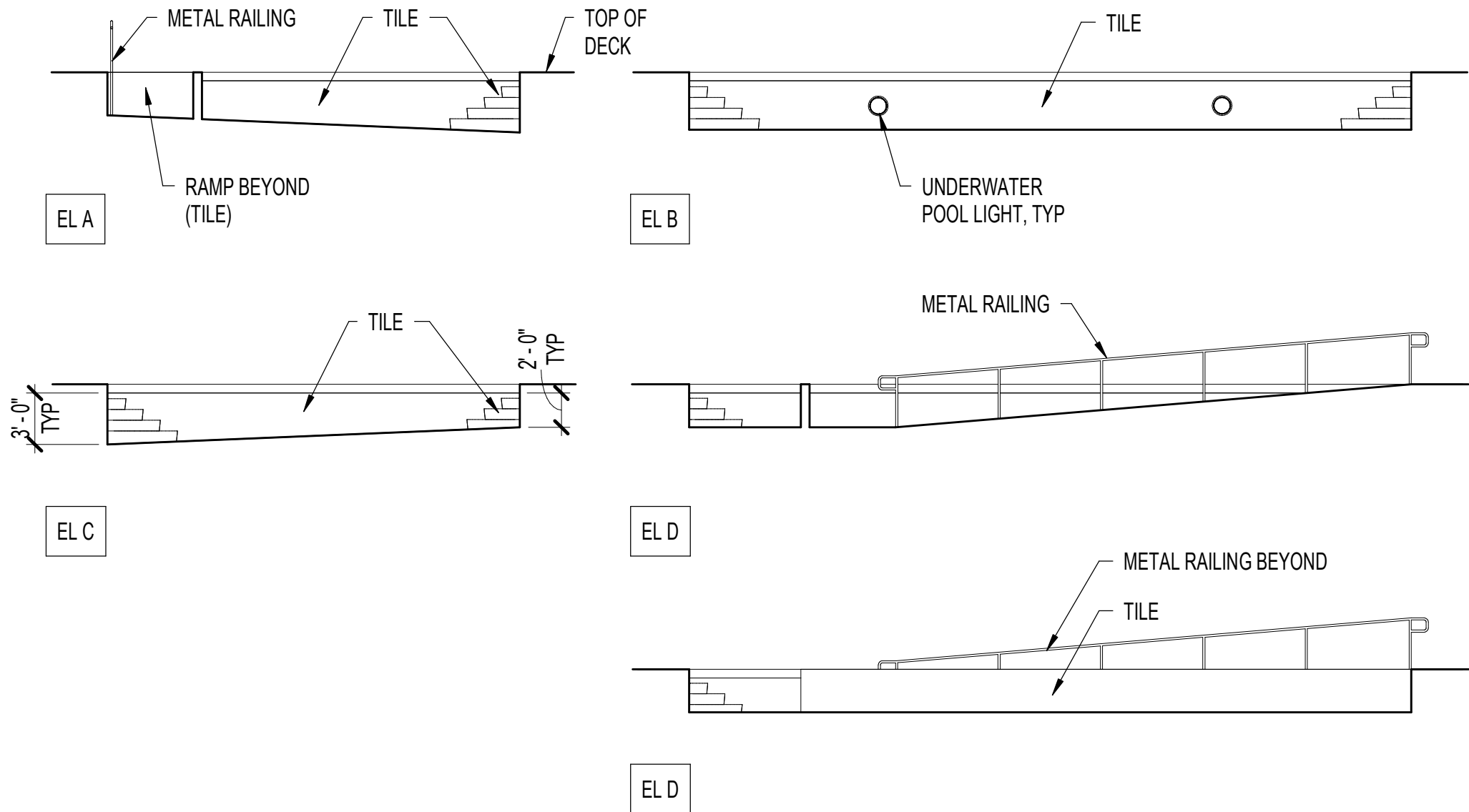
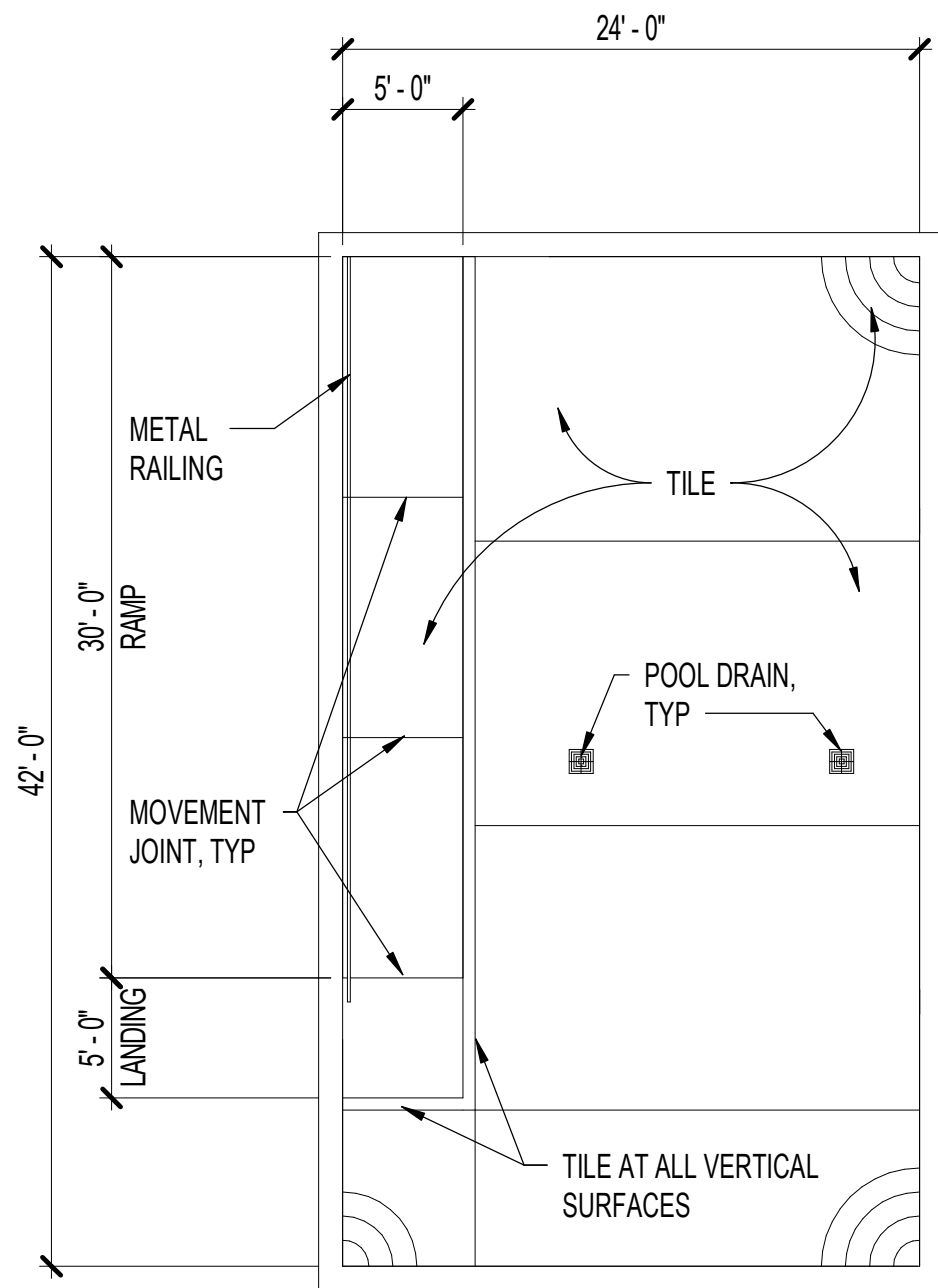
1/16" = 1'-0"



0 8' 16'
SCALE: 1/16" = 1'-0"



DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 785 HOOMAEMAE STREET, PEARL CITY, OAHU, HAWAII 96782		
RMA ARCHITECTS INC.		
SHEET: PEARL CITY DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-18a	05/2025
TMK: 5-6-010: 132		

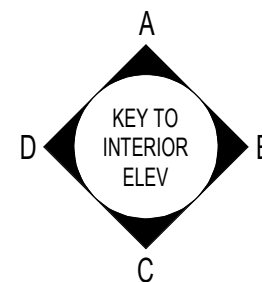


2 TRAINING POOL WALL ELEVATIONS

1/8" = 1'-0"

APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
TRAINING POOL A. FIELD TILE	1,200 SF	420 SF	1,620 SF
GRAND TOTAL:			1,620 SF

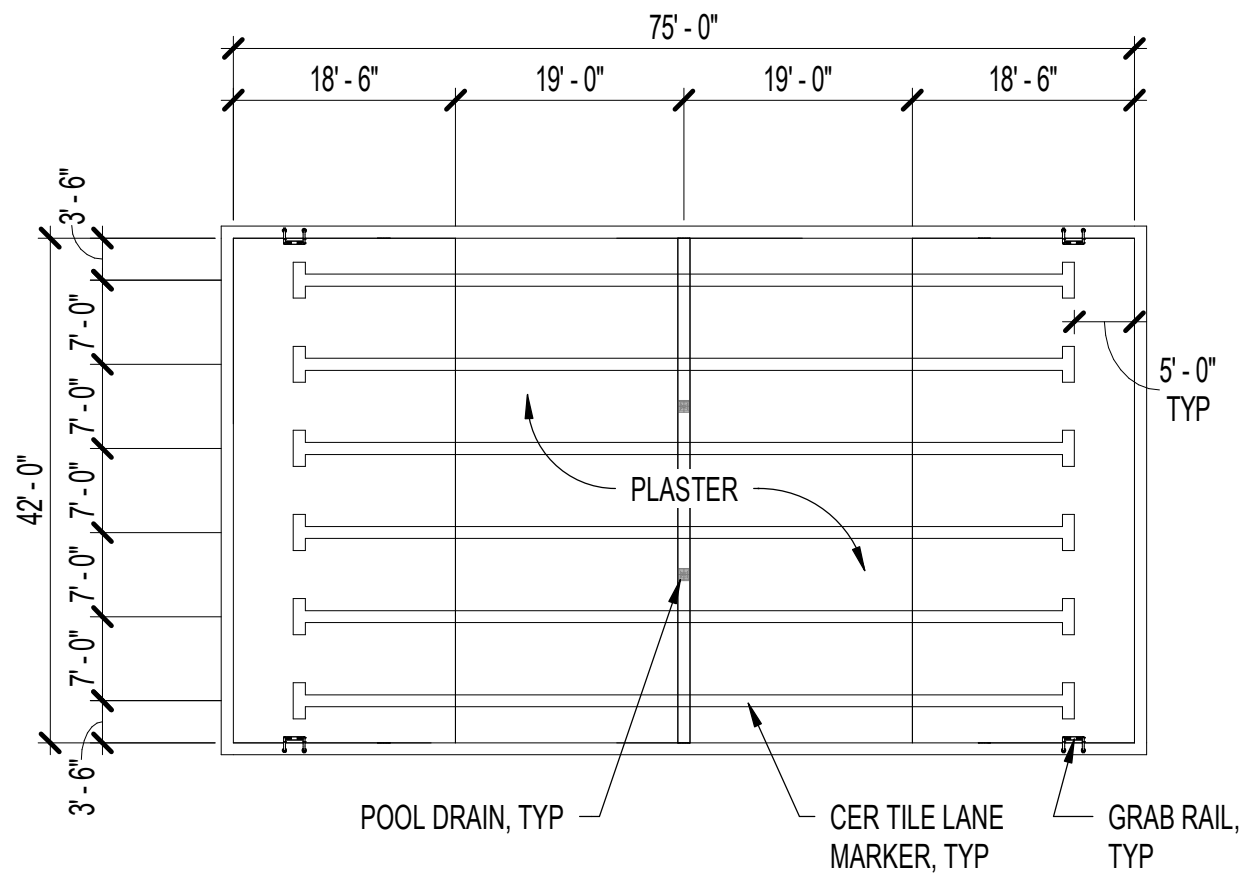
0 4' 8'
SCALE: 1/8" = 1'-0"



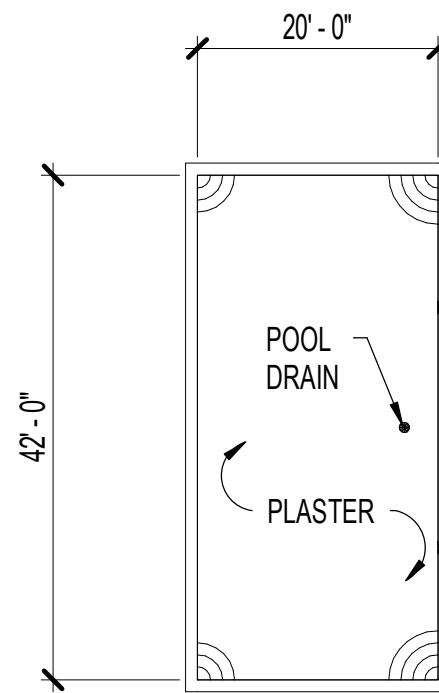
1 TRAINING POOL PLAN

1/8" = 1'-0"

DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 785 HOOMAEMAE STREET, PEARL CITY, OAHU, HAWAII 96782		
RMA ARCHITECTS INC.		
SHEET: PEARL CITY DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-18b	05/2025
TMK: 5-6-010: 132		

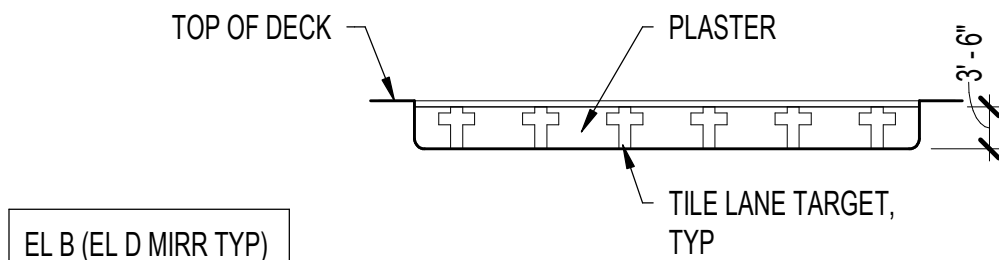
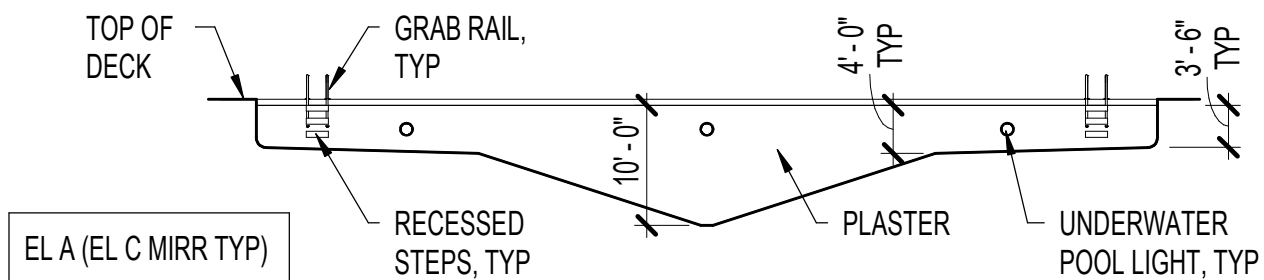


1 MAIN POOL PLAN
1/16" = 1'-0"

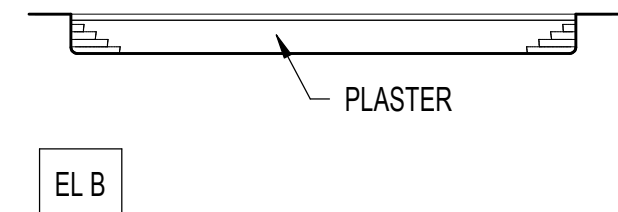
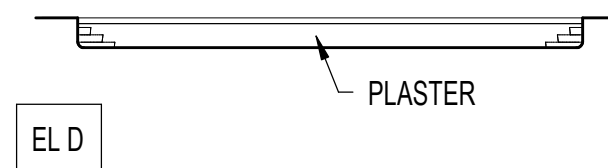
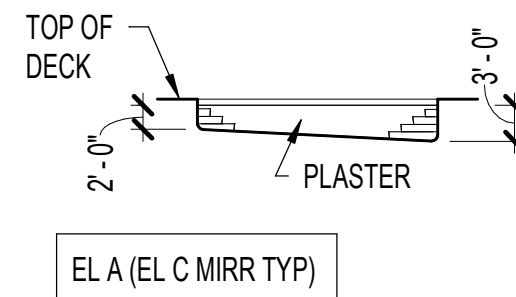


2 TRAINING POOL PLAN
1/16" = 1'-0"

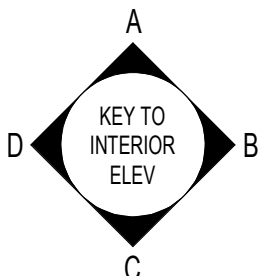
APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	3,230 SF	1,050 SF	4,280 SF
B. LANE MARKER TILE	420 SF	70 SF	490 SF
GRAND TOTAL:			4,770 SF
TRAINING POOL			
A. PLASTER	850 SF	310 SF	1,160 SF
GRAND TOTAL:			1,160 SF



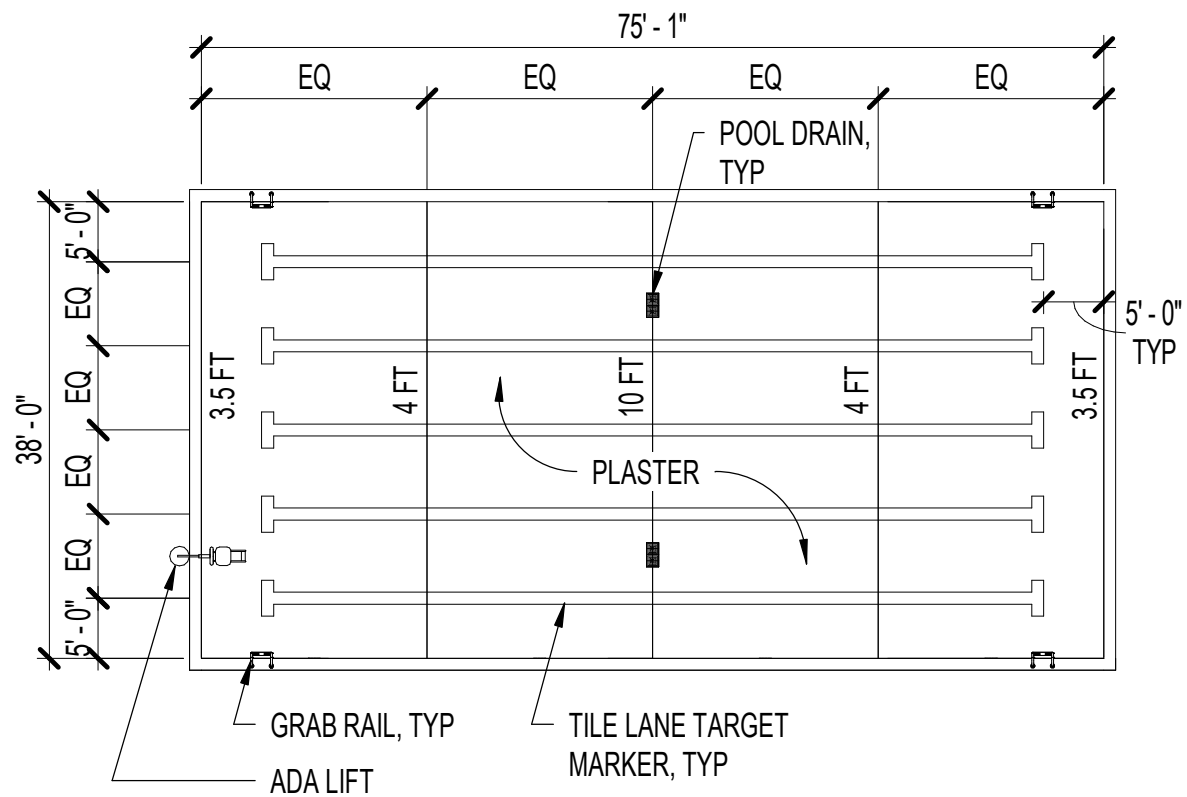
3 MAIN POOL WALL ELEVATIONS
1/16" = 1'-0"



0 8' 16'
SCALE: 1/16" = 1'-0"



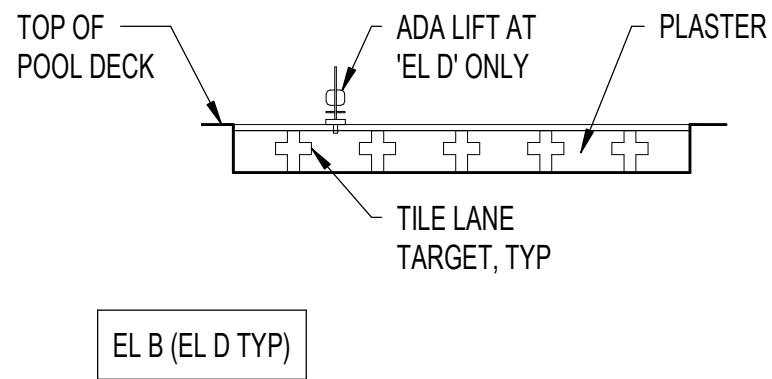
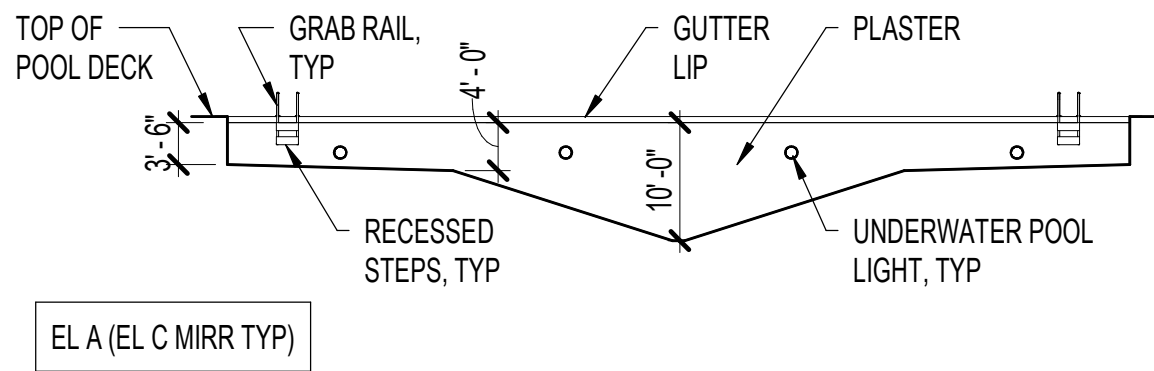
DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ 67-180 GOODALE AVENUE, WAIALUA, OAHU, HAWAII 96791		
RMA ARCHITECTS INC.		
SHEET: WAIALUA DISTRICT PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-19	05/2025
TMK: 6-7-001: 044		



APPROXIMATE TOTAL FINISH AREA TABULATION			
	FLOOR	WALLS	TOTAL
MAIN POOL			
A. PLASTER	2,920 SF	1,020 SF	3,940 SF
B. LANE MARKER TILE	350 SF	60 SF	410 SF
GRAND TOTAL:			4,350 SF

1 POOL PLAN

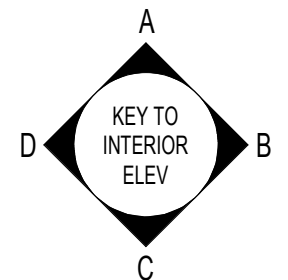
1/16" = 1'-0"



2 POOL WALL ELEVATIONS

1/16" = 1'-0"

0 8' 16'
SCALE: 1/16" = 1'-0"



DPR SWIMMING POOL TILE & PLASTER IMPROVEMENTS IDIQ		
94-870 LUMIAINA STREET, WAIPAHU, OAHU, HAWAII 96797		
RMA ARCHITECTS INC.		
SHEET: WAIKELE COMMUNITY PARK POOL		
REFERENCE# / DESCRIPTION:	SHEET NUMBER:	DATE:
PLAN & ELEVATIONS	A-20	05/2025
TMK: 9-4-007: 052		