STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
3949 DIAMOND HEAD ROAD
HONOLULU, HAWAII 96816-4495

May 2, 2017

ADDENDUM NO. 1
Youth Challenge Academy
B1786 and B1787 Railing Replacement, Phase 1, Kalaeloa,
State of Hawaii, Department of Defense, Youth Challenge Academy,
Job No. CA-1605-C

The items listed hereinafter are hereby made a part of the contract for the above mentioned project and shall govern the work taking precedence over previously issued contract documents governing the items mentioned. Receipt of this addendum is to be acknowledged on page OF-8 of the proposer's packet.

CHANGES TO SPECIFICATIONS: The following items are revised:

1. Section 01100 – Project Requirements. Delete paragraph 1.03 in its entirety and replace with the following:

   "1.03 WORK SEQUENCE

   A. The Work shall be conducted in two (2) phases.

      1. Phase 1: Remove and reconstruct railing and concrete repairs at Building 1787 corridor walk deck and Makai end walk deck between Building 1786 and 1787.

      2. Phase 2: Remove and reconstruct railing and concrete repairs at Building 1786 corridor walk deck and Mauka end walk deck between Building 1786 and 1787. Do not start Phase 2 work until Phase 1 has been substantial completed and approved by the Project Manager. "

2. Section 09901 – Painting. Added new section.

CHANGES TO PLANS: The following items are revised:

1. The following previously issued drawings dated April 14, 2014 are revised and reissued. These drawings (listed below and attached) supersede the previously issued drawings.

Sheet Group	Sheet No.	Sheet Name or Description
ARCHITECTURAL	003	Revised work scope and phasing plan
ARCHITECTURAL	004	Revised details
ARCHITECTURAL	A101	Revised floor plan
ARCHITECTURAL	A102	Revised floor plan
ARCHITECTURAL	A201	Revised floor plan
ARCHITECTURAL	A202	Revised floor plan
ARCHITECTURAL	A401	Revised details
STRUCTURAL	A601	Revised detail

QUESTIONS: The following are questions submitted prior to the due date of April 26, 2017.

1. Section 00010 Table of Contents, states Division 9 – Finishes (not used). Are there any finishes for this project?
   A. Yes. See Changes to Specifications above and attached Section 09901-Painting.

2. Are there any parts of this project that will need painting?
   A. Yes. See Changes to Specifications above and attached Section 09901-Painting.

3. Per spec. 05500, 1.01 A 2. And detail, 07/004, Floor Expansion Joint Cover. Clarification on work to expansion joint areas. Is Contractor to provide new metal covers only or also provide expansion joint seal?
   A. Contractor is to provide new metal covers only.

4. Please confirm stainless fasteners are to be used on aluminum pickets, posts and rails. Any Detail for separation gaskets.
   A. Stainless steel fasteners are to be used on aluminum pickets, posts and rails. See attached Addendum #1 Drawings A401 AND S601.

5. S001, STRUC. SPECIAL Inspection.
   Inspection for epoxy embedment, is inspector required to be on site through duration of work?
   A. Periodic inspection of epoxy embedment required.

CHANGES TO BID DOCUMENTS:

1. In the Notice to Bidders, Requirement for Contractors Licensing Classifications.
   Change the paragraph below:
   Due to the nature of the work contemplated bidder must possess a valid State of Hawaii Contractor's license in the appropriate classification. "B" General Building and/or C-31a, C-32.

   To read as:
   Due to the nature of the work contemplated bidder must possess a valid State of Hawaii Contractor's license in the appropriate classification. ***A minimum of "B" General Building and C-32 or C-31a and C-32***

2. In the Offer Form page OF-7, under LICENSE, change the paragraph below:
   Due to the nature of the work contemplated bidder must possess a valid State of Hawaii Contractor's license in the appropriate classification. "B" General Building and/or C-31a, C-32.

   To read as:
   Due to the nature of the work contemplated bidder must possess a valid State of Hawaii Contractor's license in the appropriate classification. ***A minimum of "B" General Building and C-32 or C-31a and C-32***

   Reminder - Bidders are solely responsible to review the project requirements, determine the appropriate licenses required, and ensure that they possess and that the Subcontractor(s) listed in their OFFER FORM possess the necessary specialty licenses to perform the work for this project

Arthur J. Logan
Major General
Adjutant General

Posted: May 2, 2017

DIVISION 9 – FINISHES

SECTION 09901 – PAINTING

PART 1 - GENERAL

1.01 SUMMARY

A. This Section includes surface preparation and field painting of exposed exterior and interior items and surfaces.
   1. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.

B. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not specifically mentioned, paint the item or surface the same as similar adjacent materials or surfaces. If a color of finish is not indicated, Project Manager will select from standard colors and finishes available.
   1. Paint new and existing concrete ceilings/soffits and edges at the concrete walk decks. Touch up paint existing walls and columns areas by Contractor's work. Color shall be matched to adjoining existing surfaces.

C. Surfaces not to be finished, unless otherwise indicated.
   1. Concrete floors, paving walks stairs and textured concrete. Other concrete surfaces scheduled not to be painted.
   2. Stone Masonry and masonry scheduled to receive water repellant coatings.
   3. Structural steel and metal elements designated to receive sprayed fireproofing unless such finishes have been UL tested with the designated assembly and are approved by the fireproofing manufacturer.
   4. Finish hardware, unless prime coated.
   5. Glass, plastic laminate, and ceramic tile.
   6. Acoustical ceilings, unless scheduled to be painted.
   7. Flooring and floor coverings.
   8. Plumbing and lighting fixtures, and electrical device plates.

D. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.
   1. Prefinished items include the following factory-finished components:
      a) Finished mechanical and electrical equipment.
      b) Light fixtures.
   2. Finished metal surfaces include the following:
      a) Anodized aluminum.

3. Operating parts include moving parts of operating equipment and the following:
   a) Valve and damper operators.
   b) Linkages.
   c) Sensing devices.
   d) Motor and fan shafts.

4. Labels: Do not paint over UL, FMG, or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

1.02 REFERENCES

A. ASTM D16 - Definition of terms relating to Paint, Varnish, Lacquer and Related Products.

B. ASTM D2016 - Test Method for Moisture Content of Wood.

C MPI (Master Painter's Institute) - Approved Product List.

D. PCDA (Painting and Decorating Contractors of America - Painting - Architectural Specification Manual.

E. PCA (Portland Cement Association) - Painting Concrete.

F. SSPC (Steel Structures Painting Council - Steel Structures Painting Manual)

1.03 DEFINITIONS

A. General: Standard coating terms defined in ASTM D 16 apply to this Section.

1.04 SUBMITTALS

A. Product Data:
   1. Materials List: Provide an inclusive list of required patching and coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
      a. For products with premixed colors, provide manufacturer's standard color chips for selection by Project Manager.

   2. Manufacturer's Information: Provide data on all listed materials, including:
      a. Thinning and mixing instructions
      b. Application instructions and required mil film thicknesses.
      c. Manufacturer's Material Safety Data Sheets.

B. Certifications: Provide a letter certifying paints and coatings are free of asbestos, lead, zinc-chromate, strontium chromate, cadmium, and mercury and mercury compounds, . Provide a letter certifying the amounts of mildewcide added by both the paint manufacturer and paint supplier. Provide a letter certifying that abrasive blast media are free of crystalline silica.

C. Schedule of Finishes: Provide finish schedule including paint spread rates required to achieve final dry film thickness indicated in the schedule.

D. Schedule of Operations: Provide a work schedule showing sequence of operation and installation dates.

E. Samples:
   1. Submit paint finish samples, 8.5" x 11" in size illustrating selected colors and textures for each selection. Divide sample in horizontal strips showing prime and overlapping second and finish coats. Show coat tinting. Prepare transparent finish samples on same material as that on which coating will be applied. Identify each sample.

F. Manufacturer's Instructions: Indicate special surface preparation procedures, and substrate conditions requiring special attention. Refer to Section 3.01.

G. Samples for Initial Selection: For each type of finish-coat material indicated.
   1. After color selection, Project Manager will furnish color chips for surfaces to be coated.

H. Provide a Comprehensive Spray Plan when airless spraying is proposed.

I. Qualification Data: For Applicator.

J. Delivery Receipts: Provide 3 copies of the delivery receipt, signed by the user's representative, attesting to delivery of extra paint as required under 1.09

1.05 QUALITY ASSURANCE

A. Applicator Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

B. Source Limitations: Obtain block fillers and primers for each coating system from the same manufacturer as the finish coats.
   1. Exception: Alkali resistant primers if compatible with the intermediate coat paint products.

C. Provide a Comprehensive Spray Plan when airless spraying is proposed. to include:
   1. Documentation that the individual spray applicator(s) on the project have completed an approved "Spray Applicator Certification Program" conducted by the Painting Industry of Hawaii. The certification program shall include material and equipment selection, use and maintenance, hands-on application and safety training.

   2. Proposed overspray protection methods.

   3. Paint Manufacturer's spray application instructions and recommendations for products to be used.

1.06 REGULATORY REQUIREMENTS

A. Comply with State OSHL (Occupational Safety and Health Law) and pollution control regulations of the State Department of Health and EPA.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
   1. Product name or title of material.
   2. Product description (generic classification or binder type).
   3. Manufacturer's brand name and lot number and date of manufacture.
   4. Contents by volume, for pigment and vehicle constituents.
   5. Thinning instructions.
   6. Application instructions and coverage.
   7. Color name and number.
   8. VOC content.

B. Storage
   1. Non-flammable Materials: Store materials not in use in tightly covered containers in a well-ventilated area. Maintain storage containers in a clean condition, free of foreign materials and residue.
   2. Flammable Materials:
      a. Store in such a manner as to prevent damage. No paint material, empty cans, paint brushes and rollers may be stored in the building(s). Store these items in separate storage facilities away from the building(s). Contractor may furnish a separate job site storage structure, if the structure complies with the requirements of the local Fire Department. Keep the storage area shall clean. Lock any storage structures when not in use or when no visual supervision is possible.
      b. All rejected materials shall be removed from the job site immediately.

1.08 PROJECT CONDITIONS

A. Do not apply materials when surfaces and ambient temperatures are outside the ranges required by the paint product manufacturer. Do not apply exterior coatings during rain or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

B. Protect public, pedestrians and tenants from injury. Provided, erect and maintain safety barricades around scaffolds, hoists and where constriction operations create hazardous conditions.

C. Completed Work: Provide necessary protection for wet paint surfaces.

D. Protective Covering and Enclosures: Provide and install clean sanitary drop cloth or plastic sheets to protect furniture, equipment, floor and other areas that are not

scheduled for treatment. Remove any paint applied to surfaces not scheduled for treatment.

E. Fire Safety: Contractor and its employees shall not to smoke in the vicinity of the paint storage area. Exercise precautions against fire at all times and remove waste rags, plastic (polyester sheets), empty cans, etc. from the site at the end of each day.

F. Where airless spraying is used, ensure that protective enclosures are erected to prevent the escape of overspray from the work area.

G. Safeguarding Property: Safeguard the work and also the property of the State and other individuals in the vicinity of Contractor's work. Make good on any damages and for losses to work or property caused by Contractor or its employee's negligence. Where damaged property cannot be cleaned and restored to its original condition (i.e. prior to being damaged) replace it with a new product of equal quality. No prorating or use of "used" products will be permitted.
   1. For painting and spray painting operation, assume that cars will not be temporarily relocated from parking areas during the painting operations.

   2. Paint overspray shall not carry more than 5 lineal feet beyond the building eave line nor within 10 lineal feet of pedestrians or property and surfaces not scheduled to be painted. Immediately cease spray painting when overspray carries beyond these specified limits. Do not continue until protective barriers are erected to properly contain the overspray and damages caused by the overspray have been corrected.

   3. The Contractor shall be assessed $300.00 for each incidence of property or personal damage caused by overspray until such time that a satisfactory settlement has been agreed upon by the damaged party and corrective action has been completed. All corrective action shall be settled within 24 hours from the time the damage is discovered. Should the Contractor fail to take corrective action in a timely and expeditious manner, the Project Manager shall contact the Contractor's Insurance company to seek resolution on the matter.

1.09 EXTRA MATERIALS

A. Provide extra paint in each of the different colors, types and surface textures of exterior and interior paint to the facility upon completion of the project. Paint shall be in unopened one gallon containers and labeled with color, type, texture, room locations, and date in addition to manufacturer's label.
   1. Provide 5 gallons of each color for paint used over large areas.

   2. Provide 1 gallon of each color for all other areas.

1.10 WARRANTY

A. Provide a two year guarantee that the work performed under this section conforms to the contract requirements and is free of any defect of material or workmanship.

PART 2 - PRODUCTS

2.01 PAINT MATERIALS, GENERAL

A. Material Compatibility: Provide block fillers, primers, and finish-coat materials that are compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

B. Mildewcide: Except for metal primers, provide primer and finish coats with suitable chemical mildewcide to the maximum amount of mildewcide per gallon of paint permitted by the mildewcide manufacturer without adversely affecting the quality of the paint, but not less than one ounce per gallon.

C. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
   1. Proprietary Names: Use of manufacturer's proprietary product names in the Paint Systems Schedule in Part 3 below to designate colors or materials, is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed products to be used.

   2. Equivalency: Equivalent products to the specified products are listed in the Master Painter's Institute's "Architectural Painting Specification Manual."

   3. Substitution: Requests for substitution of a product or product if a manufacturer is not on the "Approved Product List" will be evaluated for equivalency based on product test results per the test criteria of the Master Painter's Institute.

D. Colors: To match adjoining surfaces and/or colors designated by the Project Manager.

E. Hazard Materials: Do not use paint or paint products containing asbestos, lead, mercury and mercury compounds, zinc chromates, strontium-chromate, and cadmium. Do not use abrasive blast media that contain crystalline silica.

2.02 MISCELLANEOUS MATERIALS

A. Provide patching and repair materials. Compatible with paint finishes and substrates. Use weather resistant materials for exterior surfaces and surfaces exposed to moisture.

B. Accessories
   1. General: Provide other materials not specifically indicated but required to achieve the finishes specified, of commercial quality.

   2. Thinners: Thinning of paint shall be done using material recommended by the manufacturer. Mix proprietary products according to manufacturer's

requirements. Do not use compound thinner, mineral oil, kerosene, refined linseed oil, or gasoline for thinning.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for paint application. Comply with procedures specified in PDCA P4.
   1. Proceed with paint application only after unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.
      a. Ensure that concrete and masonry surfaces are cured and dried pt meet paint manufacturer's recommendations.

   2. Start of painting will be construed as Applicator's acceptance of surfaces and conditions within a particular area.

B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
   1. Notify Project Manager about anticipated problems when using the materials specified over substrates primed by others.

3.02 PREPARATION

A. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of size or weight of the item, provide surface-applied protection before surface preparation and painting.
   1. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.

B. Cleaning: Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings. Remove dust, oil and grease before cleaning.
   1. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

C. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.
   1. Provide barrier coats over incompatible primers or remove and reprime.

D. Surface Preparation, Cementitious Materials: Prepare concrete, concrete unit masonry, cement plaster, and mineral-fiber-reinforced cement panel surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.
   1. Use abrasive blast-cleaning methods if recommended by paint manufacturer.

2. Determine alkalinity and moisture content of surfaces by performing appropriate tests. Submit test results to Project Manager.
   a. Prior to painting, concrete and masonry surfaces shall be allowed to cure and dry in accordance with the paint manufacturer's instructions and recommendations.

   b. Efflorescence and laitance shall be removed from the surface.

   c. Prior to paint application, interior and exterior concrete and masonry (including grout joints) scheduled to receive paint shall be tested to determine the alkalinity level of the surface. Testing shall be performed in strict accordance with the test kit manufacturer's instructions. Submit test results to the Project Manager.

   d. Where the alkalinity level exceeds the pH level limit of the primer take one of the following three remedies at no additional cost to the State:
      1) If new concrete or masonry, wait until alkaline level has dropped below the limit.

      2) Substitute a primer that is able to resist the measured alkalinity and that is compatible with the paint finish. Alkyd based primers and top-coats or epoxy ester primers shall not be used. Submit the substitute primer to the Project Manager for review.

      3) Neutralize the surface in accordance with the primer manufacturer's instructions to reduce the alkaline level. However, acid washing is not permitted where the surface has been finished with a cementitious coating.

E. Material Preparation: Mix and prepare paint materials according to manufacturer's written instructions.
   1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.

   2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.

   3. Use only thinners approved by paint manufacturer and only within recommended limits.

F. Tinting: Tint each undercoat a lighter shade to simplify identification of each coat when multiple coats of same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient differences in shade of undercoats to distinguish each separate coat.

3.03 APPLICATION

A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

1. Paint colors, surface treatments, and finishes are indicated in the paint schedules.

2. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.

3. Provide finish coats that are compatible with primers used.

4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.

5. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only unless otherwise noted.

6. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.

7. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.

8. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.

9. Finish interior of wall and base cabinets and similar field-finished casework to match exterior.

10. Sand lightly between each succeeding enamel or varnish coat.

11. Ensure primers are top coated within the times required by the paint manufacturers. Top coats not applied within the recoating window may be rejected.

B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
   1. The number of coats and film thickness required are the same regardless of application method. Do not apply succeeding coats until previous coat has cured as recommended by manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.

   2. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure that edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.

3. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, and does not deform or feel sticky under moderate thumb pressure, and until application of another coat of paint does not cause undercoat to lift or lose adhesion.

4. Be aware of the requirements for, and restrictions on, spray painting contained in PROJECT CONDITIONS Paragraph.

C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.
   1. Brushes: Use brushes best suited for type of material applied. Use brush of appropriate size for surface or item being painted.

   2. Rollers: Use rollers of carpet, velvet-back, or high-pile sheep's wool as recommended by manufacturer for material and texture required.

   3. Spray Equipment: Use airless spray equipment with orifice size as recommended by manufacturer for material and texture required.

D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate to achieve dry film thickness indicated. Provide total dry film thickness of the entire system as recommended by manufacturer.

E. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.

F. Prime Coats: Before applying finish coats, apply a prime coat, as recommended by manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn-through or other defects due to insufficient sealing.

G. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

H. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.
   1. Provide satin finish for final coats.

I. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections.

J. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.04 CLEANING

A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from Project site.
   1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.

3.05 PROTECTION

A. Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Project Manager.

B. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work.
   1. After work of other trades is complete, touch up and restore damaged or defaced painted surfaces. Comply with procedures specified in PDCA P1.

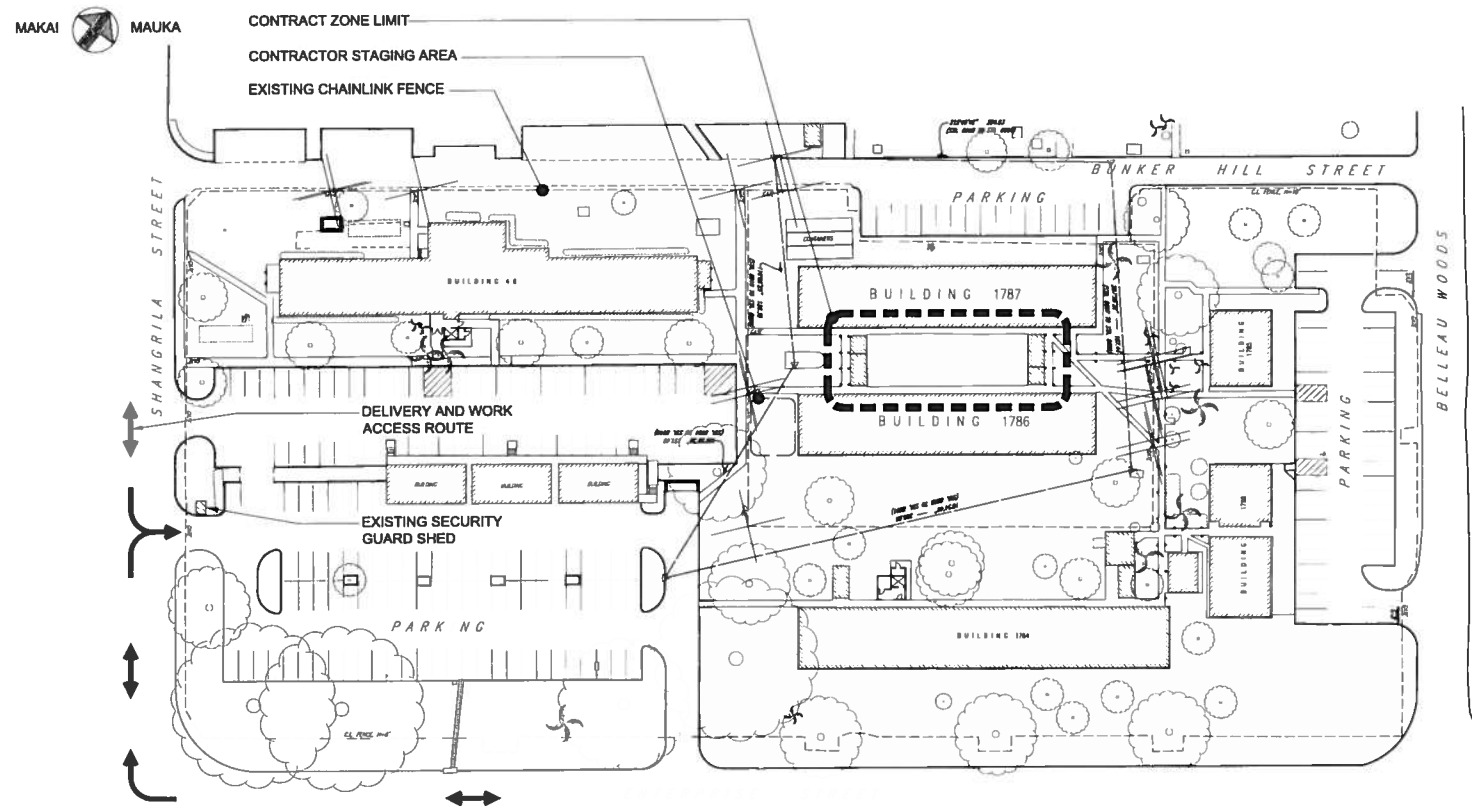
3.06 PAINT SCHEDULE

A. Concrete, Stucco, and Masonry: Provide the following finish systems over concrete, stucco, and brick masonry substrates:
   1. Acrylic Finish: Two finish coats over a primer.
      a. Primer: Exterior concrete and masonry alkali resistant primer: MPI 3; 2.0 mils DFT.

      b. Finish Coats: Exterior acrylic paint. MPI 11; 1.5 mils DFT per coat.

      c. Finish Coat Gloss Level: semi-gloss.

END OF SECTION



1 ARCHITECTURAL SITE PLAN

003 003 NOT TO SCALE

WORK SCOPE

WORK SCOPE SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING WORK ITEMS:

BASE BID BUILDINGS 1786 AND 1787 HALLWAY CORRIDOR (GROUND, SECOND AND THIRD FLOOR)

A1 1. REMOVE AND DISPOSE OF EXISTING ALUMINUM RAILING SYSTEM, EMBEDDED FOOTINGS, GROUT AND METAL SLEEVES. FLOOR AND WALL EXPANSION JOINT COVERS, PLYWOOD SHEATHING.

2. DISMANTLE AND SALVAGE EXISTING TEMPORARY 4X4 WOOD POST, 2X4 WOOD RAILS, METAL STRAPS, STEEL ANCHOR CONNECTORS, PLATES AND BOLTS. REMOVE NAILS AND FASTENERS FROM EXISTING LUMBER AND METAL CONNECTORS. DELIVER AND STORE INSIDE THE STORAGE SHED BEHIND BUILDING 1787 BY GATE 6.

3. REMOVE DAMAGED CONCRETE HALLWAY CORRIDOR WALK DECK AND SOFFIT SLAB, LEDGES AND BEAMS, CORRODED REBAR.

4. CONSTRUCT NEW RAILING SYSTEM INCLUDING ALUMINUM POSTS, RAILS AND PICKETS.

5. REPAIR HALLWAY CORRIDOR CONCRETE DECKS, SUPPORT BEAMS AND LEDGES.

6. INSTALL FLOOR TO FLOOR, FLOOR TO WALL EXPANSION JOINT COVERS.

7 PAINT HALLWAY CORRIDOR CEILING SOFFIT, SLAB EDGES, BEAMS, CEILING MOUNTED CONDUITS, PIPING AND PANELS.

ADDITIVE ALTERNATE NO. 1 MAKAI HALLWAY WALKDECK BETWEEN BUILDING 1786 AND 1787 (GROUND, SECOND AND THIRD FLOOR)

8. REMOVE AND DISPOSE OF EXISTING RAILING SYSTEM, CONSTRUCT ALUMINUM RAILS, POSTS AND PICKETS

9. REPAIR CONCRETE DECK, SUPPORT BEAMS AND LEDGES

10. INSTALL EXPANSION JOINT COVERS BETWEEN MAKAI HALLWAY AND STAIRWAY LANDING

11 PAINT MAKAI HALLWAY AND WALK DECK CEILING SOFFIT SLAB EDGES, BEAM, CEILING MOUNTED CONDUITS, PIPINGS AND PANELS.

ADDITIVE ALTERNATE NO. 2 MAUKA HALLWAY WALKDECK BETWEEN BUILDING 1786 AND 1787 (GROUND, SECOND AND THIRD FLOOR)

12 REMOVE AND DISPOSE OF EXISTING RAILING SYSTEM, CONSTRUCT ALUMINUM RAILS, POSTS AND PICKETS

13 REPAIR CONCRETE DECK, SUPPORT BEAMS AND LEDGES

14 INSTALL EXPANSION JOINT COVERS BETWEEN MAUKA HALLWAY AND STAIRWAY LANDING

15 PAINT MAUKA HALLWAY AND WALK DECK CEILING, SOFFIT SLAB EDGE, BEAM, CEILING MOUNTED CONDUITS, PIPING AND PANELS

PHASING PLAN

PHASING

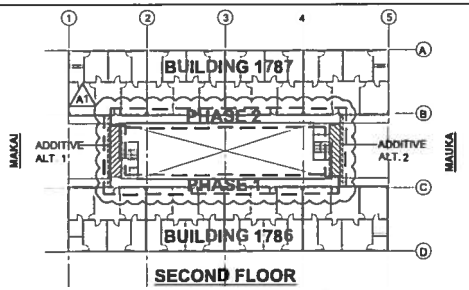
WORK SHALL BE CONDUCTED IN PHASES AS TO MINIMIZE DISRUPTION TO THE OPERATION OF THE FACILITY. EACH PHASE SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF WORK IN NEXT PHASE. SEQUENCE OF CONSTRUCTION SHALL BE DETERMINED JOINTLY BY THE CONTRACTOR, FACILITY AND THE PROJECT MANAGER PRIOR TO THE WORK.

PHASE 1

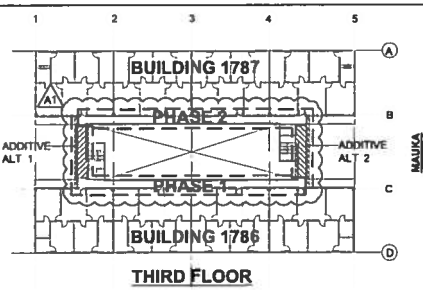
REMOVE AND RECONSTRUCT RAILING AND REPAIR CONCRETE AT BUILDING 1786 (A1) CORRIDORS. REMOVE AND RECONSTRUCT RAILING AND REPAIR CONCRETE AT MAKAI WALK DECK UNDER ADDITIVE ALTERNATE 1

PHASE 2

REMOVE AND RECONSTRUCT RAILING AND REPAIR CONCRETE AT BUILDING 1787 (A1) CORRIDORS. REMOVE AND RECONSTRUCT RAILING AND REPAIR CONCRETE AT MAUKA WALK DECK UNDER ADDITIVE ALTERNATE 2



SECOND FLOOR



THIRD FLOOR

SUBMITTAL: FINAL

Rev #	Description	Date	Approved
A1	REVISED WORK SCOPE AND PHASING PLAN	5/1/17	

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 5401 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

LICENSE EXPIRES END 4/30/2018

STATE OF HAWAII, DEPARTMENT OF DEFENSE ENGINEERING OFFICE

YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

SITE PLAN AND WORK SCOPE

LOU CHAN & ASSOCIATES, INC.

DESIGNED BY	CHECKED BY	JOB NO.	DRAWING NO.
LCC	LCC	CA-1625-C	003
DRAWN BY: NS	APPROVED BY: LCC	DATE: APRIL 2017	SHEET: 3 OF 24 SHTS

SCALE: AS INDICATED

FILE _____ DRAWER _____ FOLDER _____

GENERAL REQUIREMENTS

1. **BUILDING OPERATION**
THE YOUTH CHALLENGE ACADEMY IN BUILDING 1786 AND BUILDING 1787 SHALL BE IN OPERATION DURING ALL WORK DAYS, WEEKDAYS AND WEEKENDS. CONTRACTOR SHALL KEEP DISRUPTION TO THEIR OPERATION TO A MINIMUM. DEMOLITION AND CONSTRUCTION WORK, LOADING AND UNLOADING OPERATION THAT SLOW DOWN OR BLOCKING VEHICULAR AND PEDESTRIAN TRAFFIC SHALL BE CONDUCTED DURING NON-CLASS HOURS OF OFF HOURS. CONTRACTOR SHALL REMOVE ALL TOOLS AND CONSTRUCTION MATERIALS, DEBRIS AND DUST FROM THE WORK AREA AT THE END OF EACH WORKING DAY. CLOSURE AND BLOCKAGE AFFECT CIRCULATION IN WALKWAY AND HALLWAY SHALL BE RESTRICTED IN SMALL ZONES AND IN SHORT DURATION. CONTRACTOR SHALL SUBMIT WORK SCHEDULE TO THE PROJECT MANAGER FOR COMMENT AND APPROVAL AT LEAST TWO WEEKS PRIOR TO ANY CLOSURE AND BLOCKAGE.

2. **PHASING**
WORK SHALL BE CONDUCTED IN PHASES AS TO MINIMIZE DISRUPTION TO THE OPERATION OF THE FACILITY. EACH PHASE SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF WORK IN NEXT PHASE. SEQUENCE OF CONSTRUCTION SHALL BE DETERMINED JOINTLY BY THE CONTRACTOR, FACILITY AND THE PROJECT MANAGER PRIOR TO THE WORK.

3. **DEMOLITION AND RENOVATION WORK**
CONTRACTOR SHALL THOROUGHLY EXAMINE ALL PLANS AND SPECIFICATIONS. DEMOLITION WORK SHALL INCLUDE ALL THE WORK INDICATED ON PLANS TO BE DEMOLISHED AND REMOVAL AND ALL THE WORK NOT REQUIRED FOR RENOVATION WORK. RENOVATION WORK SHALL INCLUDE ALL THE WORK INDICATED ON PLANS TO BE RENOVATED AND REPLACED. FOR CLARITY, LOCATIONS AND QUANTITY OF WORKS TO BE DEMOLISHED AND RENOVATED WERE NOT NECESSARILY INDICATED OR TOTALLY SHOWN ON THE PLAN. CONTRACTOR SHALL PAINT ALL NEW WORK, CONDUIT, AND PIPING AND UNDERSIDE OF WALK DECK. HAZARDOUS MATERIALS, SOLVENT, PAINT AND MASTIC REMOVAL, SEALANT, SEALER, COATING OR PAINT THAT CAN GENERATE LINGERING ODOR INSIDE THE ENCLOSED SPACE SHALL NOT BE USED IN THE PROJECT.

4. **EXISTING DIMENSIONS AND CONDITIONS**
DIMENSIONS AND MEASUREMENTS SHOWN IN THE PLAN WERE ONLY APPROXIMATE, CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, FIELD MEASURE ALL DIMENSIONS PRIOR TO COMMENCEMENT OF WORK.

5. **EXISTING ELECTRICAL AND DATA CONDUITS AND BOXES**
CONTRACTOR SHALL FIELD VERIFY THE EXISTENCE AND LOCATION OF EXISTING WALL, FLOOR AND UNDERSIDE MOUNTED ELECTRICAL AND DATA CONDUITS, PANEL AND JUNCTION BOXES. OFFSET AND REMOUNT AWAY FROM WORK AREA AS REQUIRED FOR RAILING AND CONCRETE REPAIR WORK. WORK DISTURBING EXISTING ELECTRICAL WIRING AND CONNECTION SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.

6. **OFF HOUR WORK**
WORK ACTIVITY THAT GENERATE EXCESSIVE DUST, NOISE, SMELL, ODOR AND VIBRATION, AND WORK ACTIVITY THAT MAY PREVENT THE USE OF THE FACILITY SHALL BE CONDUCTED DURING NON-CLASS HOURS, SECURITY PERSONNEL ACCEPTABLE TO THE PROJECT MANAGER SHALL BE REQUIRED FOR ALL OFF HOUR WORK IN THE FACILITY. COST FOR ALL OFF HOUR WORK AND SECURITY PERSONNEL SHALL BE ENTIRELY BORNE BY THE CONTRACTOR.

7. **PROTECTION OF PROPERTY AND EXISTING WORK**
CONTRACTOR SHALL COVER AND PROTECT IN PLACE ALL WINDOW AND DOOR OPENINGS, EQUIPMENT, FIRE ALARM, FIRE EXTINGUISHER TO REMAIN. CONTRACTOR SHALL IDENTIFY ALL PRE-EXISTING DAMAGE AND SUBMIT AN ANNOTATED SUMMARY INCLUDING PHOTOS WITH DATE IF NECESSARY TO THE PROJECT MANAGER FOR RECORD.

8. **PROTECTION OF OPENING**
CONTRACTOR SHALL INSTALL TEMPORARY SAFETY RAILING TO ALL HALLWAYS, WALKWAY AND OPEN DECK ONCE EXISTING RAILING INCLUDING EXISTING TEMPORARY 4X4 POST AND 2X4 RAILING ARE REMOVED. ALL OPENINGS ABOVE GROUND FLOOR HALLWAY SHALL BE CLOSED WITH SECURITY FENCE AND SAFETY RAIL AT ANY MOMENT WITHOUT CONTRACTOR'S DIRECT SUPERVISION.

ENVIRONMENTAL REQUIREMENTS

1. PRIOR TO START OF CONSTRUCTION AND WITHIN 30 DAYS OF COMPLETION OF THE PROJECT, CONTRACTOR SHALL SUBMIT TO HAWAI'I ARMY NATIONAL GUARD ENVIRONMENTAL OFFICE (HIARNG-ENV) A HAZARDOUS MATERIAL INVENTORY LOG OF CHEMICAL PRODUCTS TO BE USED IN THE PROJECT, AND PROVIDE AN UPDATE NO LATER THAN 31 JANUARY OF EACH CALENDAR YEAR. THE LOG SHALL INCLUDE THE PRODUCT NAME AND MANUFACTURER ID NUMBER, CONTAINER SIZE, AMOUNT USED, AND MAXIMUM NUMBER OF CONTAINERS TO BE STORED ON SITE AT ANY GIVEN DAY DURING THE PROJECT. MATERIAL SAFETY DATA SHEETS (MSDSS) SHALL BE PROVIDED OR MADE AVAILABLE TO THE PROJECT MANAGER AND HIARNG-ENV UPON REQUEST.

2. PRIOR TO START OF CONSTRUCTION, CONTRACTOR WILL PROVIDE TO HIARNG-ENV AN ESTIMATE OF THE MAXIMUM AMOUNT OF HAZARDOUS WASTE EXPECTED TO BE GENERATED PER MONTH, AND THE TOTAL AMOUNT ANTICIPATED TO BE STORED ON-SITE AT ANY GIVEN TIME. ALL WASTE WILL BE STORED IN A SECURED AREA PENDING REMOVAL FOR DISPOSAL, WITH SIGNAGE INDICATING CONTACT INFORMATION AND SHALL BE MANAGED AND LABELED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

3. CONTRACTOR SHALL PROVIDE COPIES OF ALL WASTE DISPOSAL DOCUMENTATION (INCLUDING ANY REQUIRED LAB ANALYSES, WASTE PROFILES, AND ANY OTHER SUPPORTING DOCUMENTATION) TO THE GOVERNMENT CONTRACT REPRESENTATIVE (COR) AND HIARNG-ENV, ALONG WITH DRAFT COPIES OF THE WASTE MANIFESTS FOR REVIEW PRIOR TO WASTE SHIPMENT OFF-SITE FOR DISPOSAL. IF THE CONTRACTOR UTILIZES A HIARNG EPA ID NUMBER FOR WASTE DISPOSAL, MANIFESTS WILL ONLY BE SIGNED BY INDIVIDUALS AUTHORIZED BY HIARNG-ENV. ALL COSTS FOR DISPOSAL OF WASTE GENERATED BY THIS PROJECT SHALL BE PAID FOR BY THE CONTRACTOR.

ENVIRONMENTAL REQUIREMENTS (CONT.)

4. HIARNG-ENV APPROVAL IS REQUIRED FOR ANY FUELING OPERATIONS BEING CONDUCTED ON-SITE, WHICH WILL BE CONDUCTED IN ACCORDANCE WITH (IAW) ALL APPLICABLE REQUIREMENTS.

5. HIARNG-ENV APPROVAL IS REQUIRED FOR ANY ABOVEGROUND STORAGE TANK STAGED ON-SITE. FOR STORAGE OF OIL EXCEEDING THE EPA THRESHOLD OF 1,320 GALLONS SHELL CAPACITY OF OIL IN CONTAINERS 55 GALLONS OR GREATER, CONTRACTOR IS RESPONSIBLE FOR PREPARING A SPILL PREVENTION, CONTROL, AND COUNTERMEASURES (SPCC) PLAN IN ACCORDANCE WITH 40 CFR 112, AND PROVIDING A COPY TO HIARNG-ENV

6. CONTRACTOR SHALL USE PROTECTIVE MEASURES FOR ON-SITE CHEMICALS, EQUIPMENT AND VEHICLES TO PREVENT SPILLS AND LEAKS INTO THE ENVIRONMENT AND ENSURE ONLY RAINWATER, AS PERMITTED, ENTERS ON-SITE UICS, STORM DRAINS, SWALES, STREAMS, AND OTHER PATHS TO NAVIGABLE WATERS.

7. CONTRACTOR SHALL REPORT SPILLS IMMEDIATELY TO THE COR AND HIARNG-ENV AND COMPLETE THE HIARNG SPILL INCIDENT REPORT FORM AS REQUIRED. CONTRACTOR SHALL IMMEDIATELY CLEAN UP ALL SPILLS IAW FEDERAL AND STATE GUIDELINES AND TO THE SATISFACTION OF HIARNG-ENV, AND IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CLEANUP. CONTRACTOR SHALL MAINTAIN ADEQUATE SPILL SUPPLIES COMMENSURATE WITH THE POTENTIAL FOR SPILLS, AND WILL CONTRACT OUT SPILL CLEANUP BEYOND THEIR CAPABILITIES. CONTRACTOR SHALL ACCOMPLISH ALL REGULATORY VERBAL AND WRITTEN NOTIFICATIONS TO THE STATE EMERGENCY RESPONSE COMMISSION (SERC), LOCAL EMERGENCY PLANNING COMMITTEE (LEPC), NATIONAL RESPONSE CENTER (NRC), ENVIRONMENTAL PROTECTION AGENCY (EPA), AS APPLICABLE, AND PROVIDE HIARNG-ENV COPIES OF ALL SPILL REPORTS.

8. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL REQUIRED ENVIRONMENTAL PERMITS, E.G., CONSTRUCTION-RELATED SURFACE DISCHARGE PERMITS, COUNTY-REQUIRED INDUSTRIAL WASTEWATER DISCHARGE PERMITS, MINOR (POLLUTION) SOURCE AIR PERMITS, ETC. FOR ANY CONTRACT-RELATED WORK.

HAZARDOUS MATERIALS ABATEMENT

PRESENCE OF HAZARDOUS MATERIALS

HAZARDOUS MATERIALS WERE TESTED POSITIVELY AND FOUND IN BUILDING 1786 AND BUILDING 1787. WHENEVER THE CONFIRMED HAZARDOUS MATERIALS ARE TO BE DISTURBED DURING RENOVATION ACTIVITIES, ALL HAZARDOUS MATERIAL SHOULD BE PROPERLY REMOVED AND DISPOSED PRIOR TO GENERAL CONSTRUCTION ACTIVITIES PER CORRESPONDING SPEC SECTIONS. CONTRACTOR SHALL INSTALL TEMPORARY COVER AND PROTECTION DUE TO THE REMOVAL OF HAZARDOUS MATERIALS.

A. ACM (ASBESTOS CONTAINING MATERIALS) : THE NATIONAL EMISSION STANDARD FOR HAZARDOUS AIR POLLUTANTS (NESHAP), 40 CFR 61 PART M, DEFINES ASBESTOS CONTAINING MATERIALS AS THOSE WHICH CONTAIN GREATER THAN 1% ASBESTOS IN ACCORDANCE WITH NESHAP REQUIREMENTS, SAMPLES FROM TARGETED AREAS CONSISTING OF DISTINCT LAYERS OF MATERIALS WERE ANALYZED, NO ASBESTOS WAS IDENTIFIES IN THE SAMPLES. ADDITIONAL SUSPECT ACM MAY EXIST WITHIN AND OUTSIDE THE SAMPLE AREAS EXAMINED. IF SUSPECT ACM ARE DISCOVERED DURING THE PLANNED RENOVATION ACTIVITIES, CONTRACTOR SHOULD CONDUCT ADDITIONAL TESTING AND ANALYSIS OF THE SUSPECT ACM.

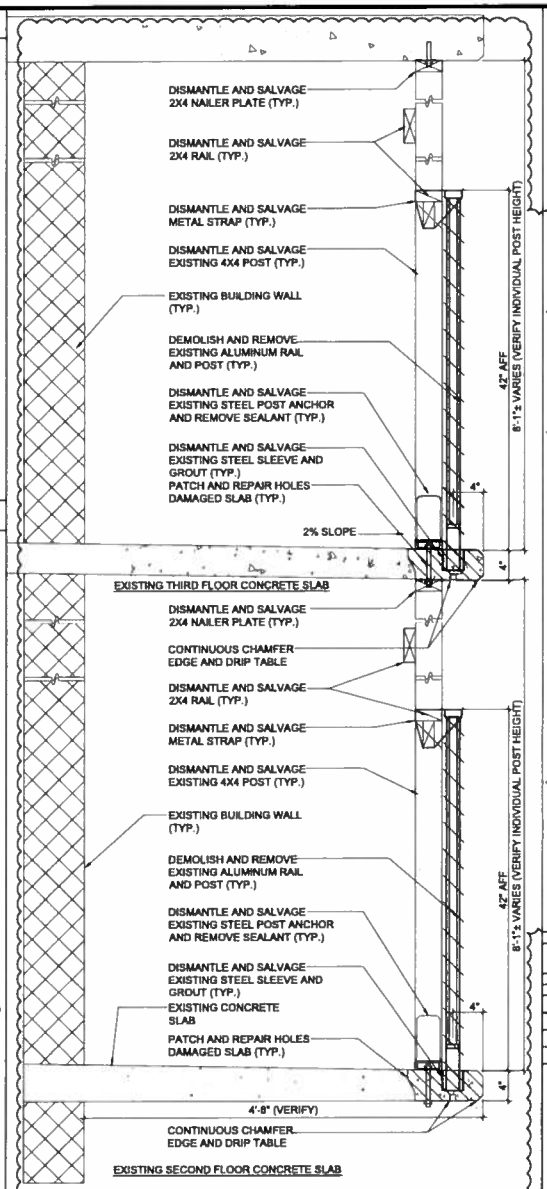
B. LBP (LEAD-BASED PAINTS): EPA DEFINES LEAD-BASE PAINT (LBP) AS PAINT OR COATINGS CONTAINING LEAD IN EQUAL OR IN EXCESS OF 0.5% LEAD BY WEIGHT. BASED ON THE LABORATORY ANALYTICAL RESULTS FROM SAMPLES COLLECTED FROM THE TARGET AREA, THE PAINT DID NOT HAVE LEAD CONCENTRATIONS EXCEEDING THE EPA GUIDELINES FOR LEAD IN PAINT.

C. LCP (LEAD-CONTAINING PAINT): PAINT WITH LEAD CONCENTRATIONS BELOW 0.5% BY WEIGHT IS IDENTIFIED AS LEAD -CONTAINING PAINT AS PAINT OR COATINGS. SAMPLING WAS CONDUCTED ON THE BUILDING COMPONENTS THAT MAY BE IMPACTED BY THE RENOVATION ACTIVITY. LEAD AT CONCENTRATIONS BELOW THE EPA GUIDELINES WAS IDENTIFIED IN VARIOUS PAINTS ON:

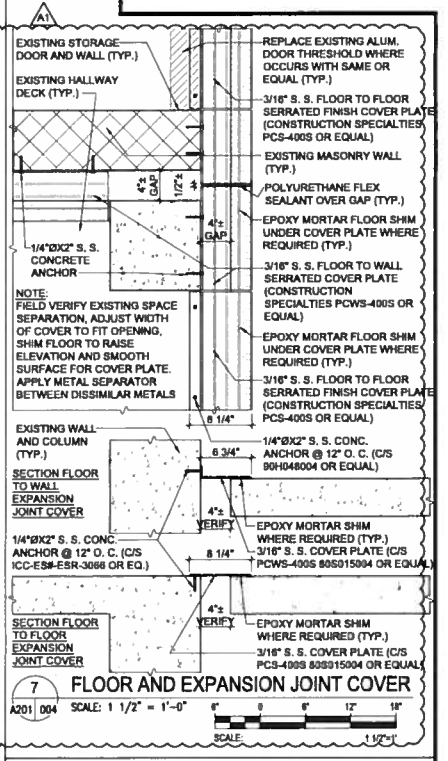
1. BEIGE COLORED CONCRETE POST AND DECK IN 2ND AND 3RD LEVEL HALLWAY.
2. BLUE OVER MAROON AND BEIGE COLORED STAIRCASE CONCRETE STAIR LANDING AND STEPS IN SECOND AND THIRD LEVEL HALLWAY.
3. TAN OVER MAROON STAIRCASE CMU WALL (LOWER PORTION) IN SECOND AND THIRD LEVEL HALLWAY.

PRIOR TO THE DISTURBANCE OF ANY PAINTS, CONTRACTOR'S EMPLOYEES REMOVING OR DISTURBING THE PAINTED MATERIAL MUST BE INFORMED THAT IT CONTAINS LEAD AND MUST HAVE RECEIVED TRAINING UNDER OSHA 29 CFR 1926.62 *LEAD* AND HIOSH 12-148.1 *LEAD*. IF ANY OTHER UNTESTED PAINTS ARE DISTURBED, THEY SHOULD BE ASSUMED TO CONTAIN LEAD.

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



6 A101 004 EXISTING RAIL DEMOLITION DETAILS
SCALE: 1 1/2" = 1'-0"



7 A201 004 FLOOR AND EXPANSION JOINT COVER
SCALE: 1 1/2" = 1'-0"
SCALE: 1 1/2"=1'

SUBMITTAL: FINAL

No.	Description	Date	Approved
1	REVISED DETAILS	5/1/17	

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 5401 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII, DEPARTMENT OF DEFENSE
ENGINEERING OFFICE

YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

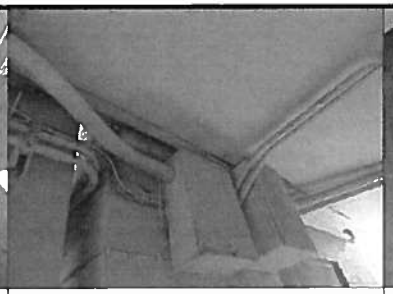
REQUIREMENTS AND DETAILS

LOU CHAN & ASSOCIATES, INC.		JOB NO. CA-1606-C	DRAWING NO. 004
DESIGNED BY: LCC	CHECKED BY: LCC		
DRAWN BY: NS	APPROVED BY: LCC	DATE: APRIL 2017	SHEET 4 OF 24 SHTS
SCALE: AS INDICATED			

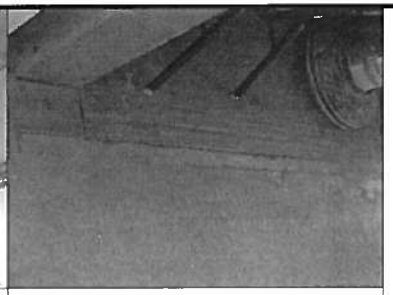
FILE _____ OWNER _____ FOLDER _____

A4 - UNDERSIDE OF 2ND LEVEL

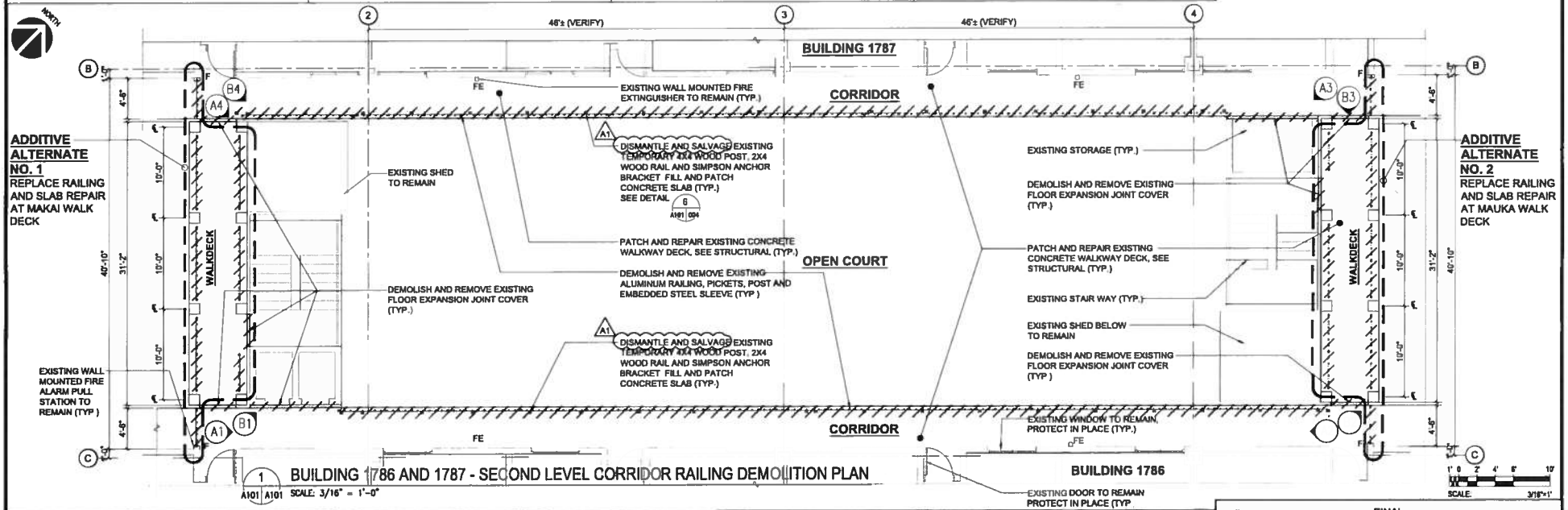
B4 - 2ND LEVEL DECK



A3 - UNDERSIDE OF 2ND LEVEL



B3 - 2ND LEVEL DECK



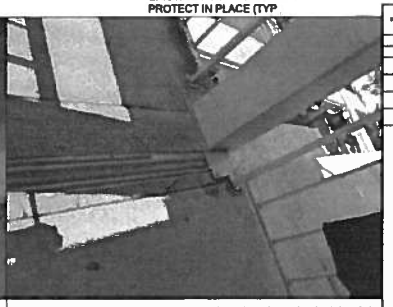
1 A101 A101 BUILDING 1786 AND 1787 - SECOND LEVEL CORRIDOR RAILING DEMOLITION PLAN

SCALE: 3/16"=1'-0"

A1 - UNDERSIDE OF 2ND LEVEL

B1 - 2ND LEVEL DECK

A2 - UNDERSIDE OF 2ND LEVEL



D2 (B2 SIMILAR) - 2ND LEVEL DECK

FINAL

No.	Description	Date	Approved
1	REVISED FLOOR PLAN	5/1/17	

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 8401 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

LICENSE EXPIRATION DATE: 4/30/2018

STATE OF HAWAII, DEPARTMENT OF DEFENSE
ENGINEERING OFFICE

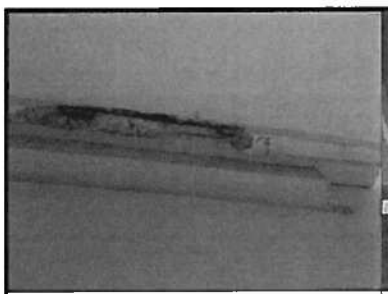
YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

SECOND LEVEL DEMOLITION PLAN

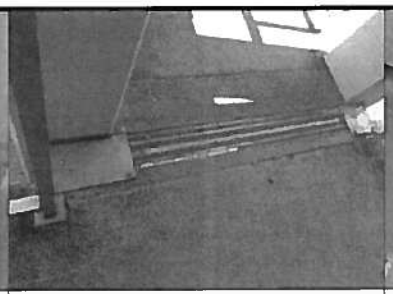
LOU CHAN & ASSOCIATES, INC.

DESIGNED BY	CHECKED BY	JOB NO.	DRAWING NO.
LCC	LCC	CA-1685-C	A101
DRAWN BY	APPROVED BY	DATE	SHEET
NS	LCC	APRIL 2017	5 OF 24 SHTS
SCALE: AS INDICATED			

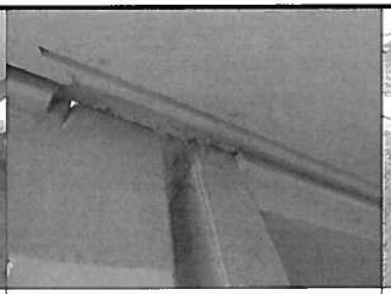
FILE _____ SERVER _____ FOLDER _____



C4 - UNDERSIDE OF 3RD LEVEL

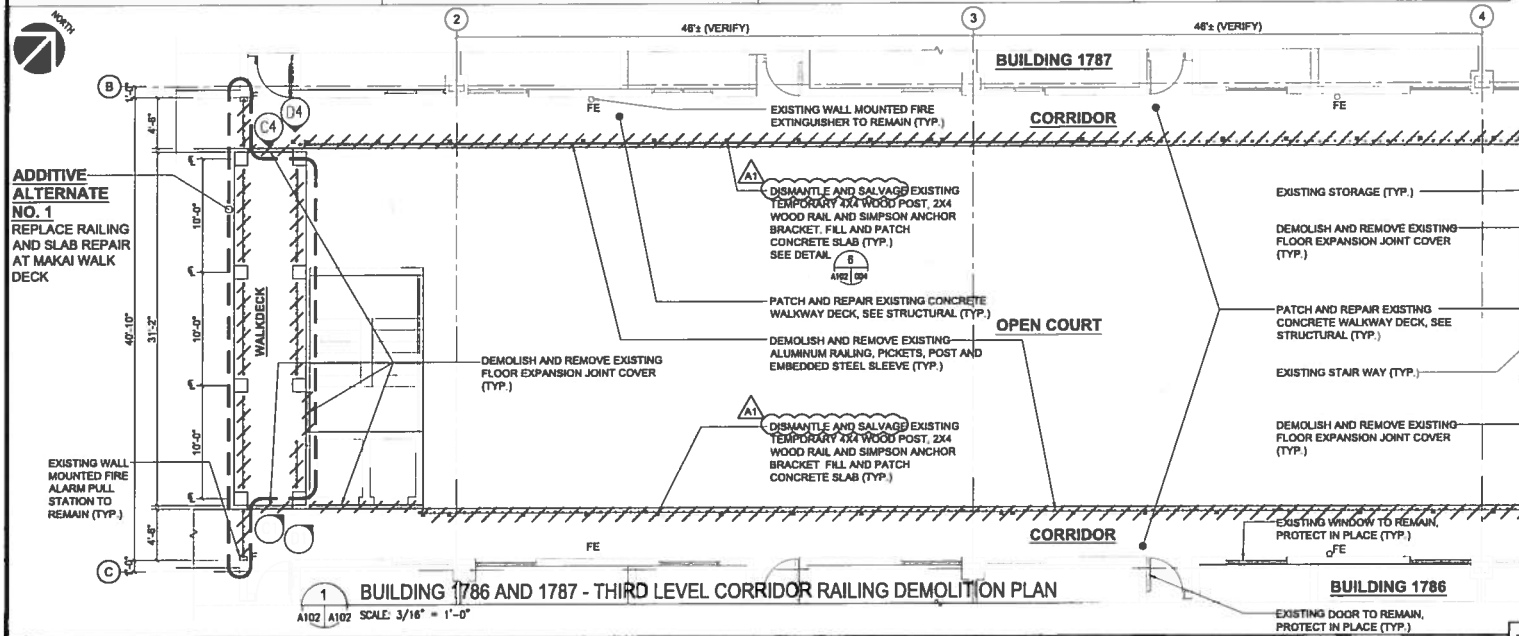


D4 - 3RD LEVEL DECK

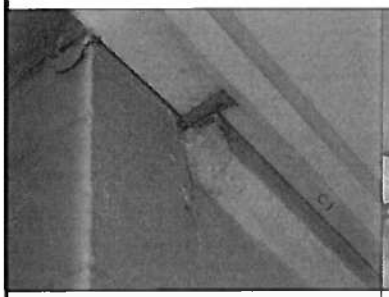


C3 - UNDERSIDE OF 3RD LEVEL

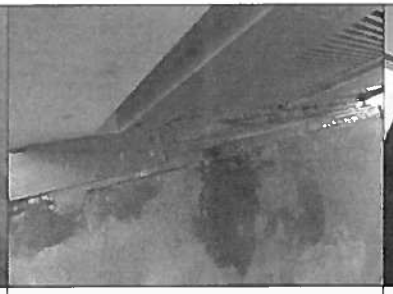
D3 - 3RD LEVEL DECK



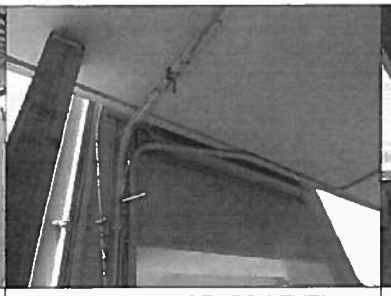
1 A102 A102 BUILDING 1786 AND 1787 - THIRD LEVEL CORRIDOR RAILING DEMOLITION PLAN SCALE: 3/16" = 1'-0"



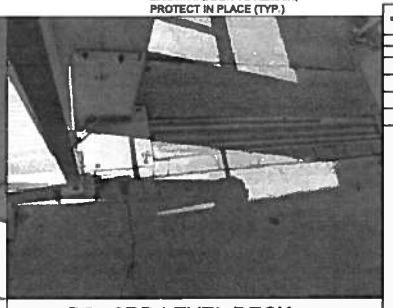
C1 - UNDERSIDE OF 3RD LEVEL



D1 - 3RD LEVEL DECK



C2 - UNDERSIDE OF 3RD LEVEL



D2 - 3RD LEVEL DECK

SUBMITTAL: FINAL

No.	Description	Date	Approved
1	REVISED FLOOR PLAN	5/1/17	

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 5401 HAWAII - U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII, DEPARTMENT OF DEFENSE ENGINEERING OFFICE

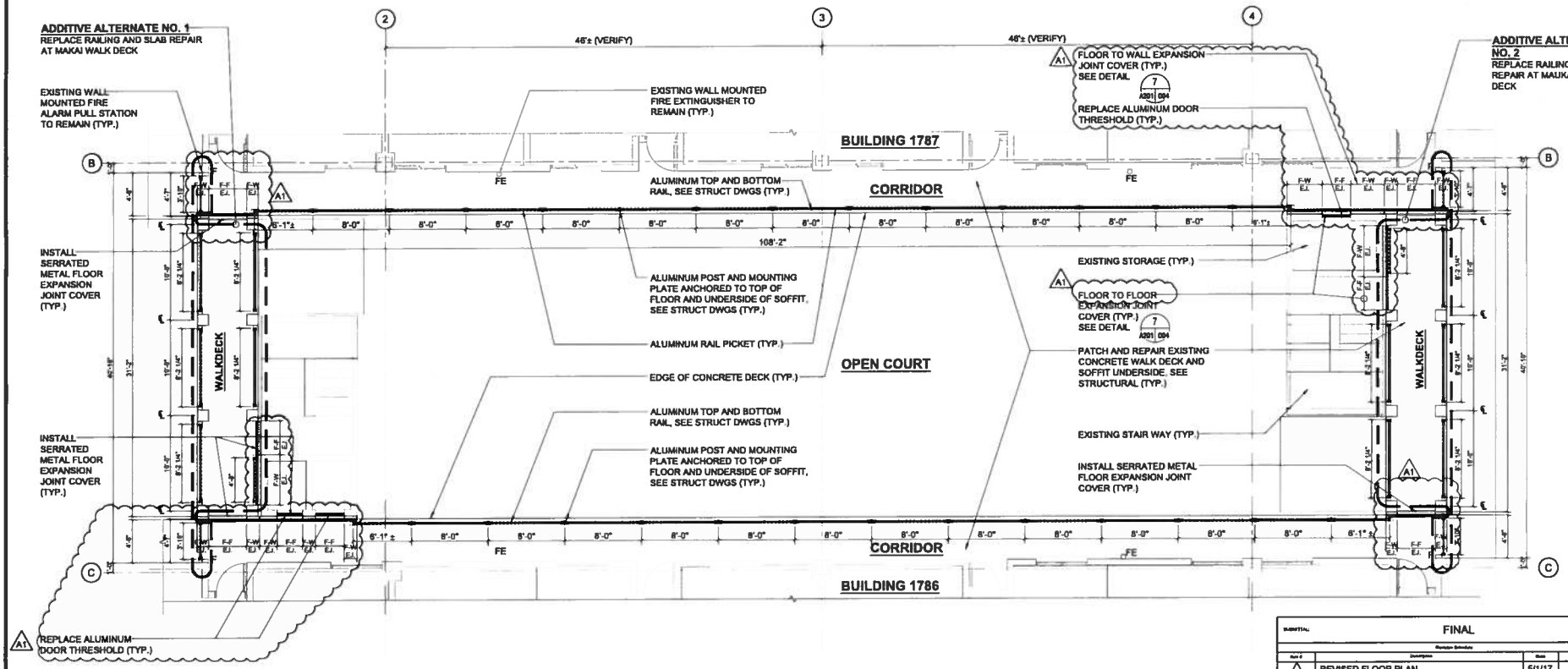
YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

THIRD LEVEL DEMOLITION PLAN

LOU CHAN & ASSOCIATES, INC.

DESIGNED BY	CHECKED BY	JOB NO.	DRAWING NO.
LCC	LCC	CA-1605-C	A102
DRAWN BY	APPROVED BY	DATE	SHEET
NS	LCC	APRIL 2017	6 OF 24 SHTS
SCALE: AS INDICATED			

FILE _____ DWNGS _____ PLOTS _____



NOTE:
ALSO SEE STRUCTURAL FOR RAILING AND CONCRETE WALL AND SLAB REPAIR.

1 A201 | A201 BUILDING 1786 AND 1787 - SECOND LEVEL FLOOR PLAN
SCALE: 3/16" = 1'-0"

SCALE: 3/16"=1'

NORTH

EXT ELEV

SUBMITTAL: FINAL			
Rev #	Description	Date	Approved
1	REVISED FLOOR PLAN	5/1/17	

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 5401 HAWAII - U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

LICENSE EXPIRES ON: 4/30/2018

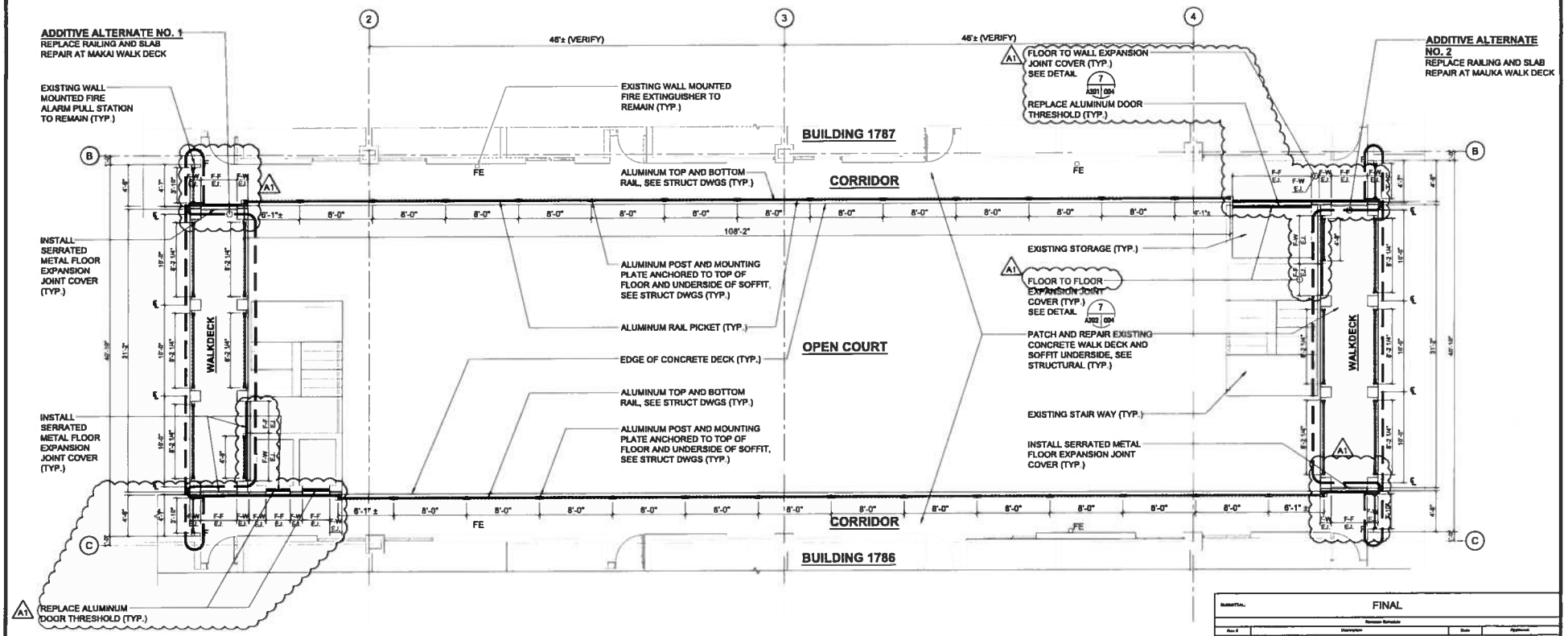
STATE OF HAWAII, DEPARTMENT OF DEFENSE
ENGINEERING OFFICE

YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

SECOND LEVEL FLOOR PLAN

LOU CHAN & ASSOCIATES, INC.

DESIGNED BY	CHECKED BY	JOB NO.	DRAWING NO.
LCC	LCC	CA-1608-C	A201
DRAWN BY	APPROVED BY	DATE	SHEET
NS	LCC	APRIL 2017	7
SCALE: AS INDICATED			OF 24 SHTS



NOTE:
ALSO SEE STRUCTURAL FOR RAILING AND CONCRETE WALL AND SLAB REPAIR.

1 / A202 | A202 BUILDING 1786 AND 1787 - THIRD LEVEL FLOOR PLAN
SCALE: 3/16" = 1'-0"

SCALE: 3/16"=1'

SUBMITTAL	FINAL		
Rev #	Description	Date	Approved
1	REVISED FLOOR PLAN	5/1/17	

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 5401 HAWAII, USA

STATE OF HAWAII, DEPARTMENT OF DEFENSE ENGINEERING OFFICE

YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

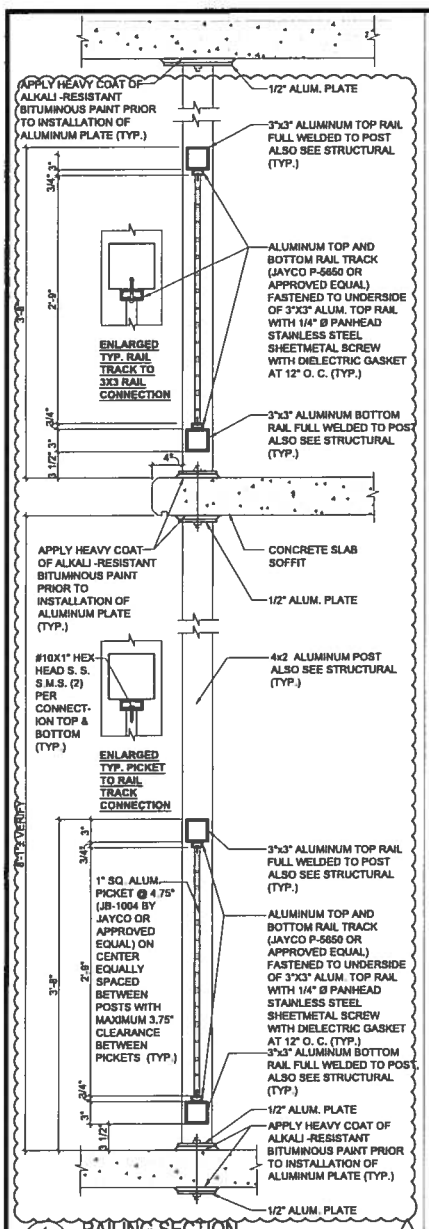
THIRD LEVEL FLOOR PLAN

LOU CHAN & ASSOCIATES, INC.

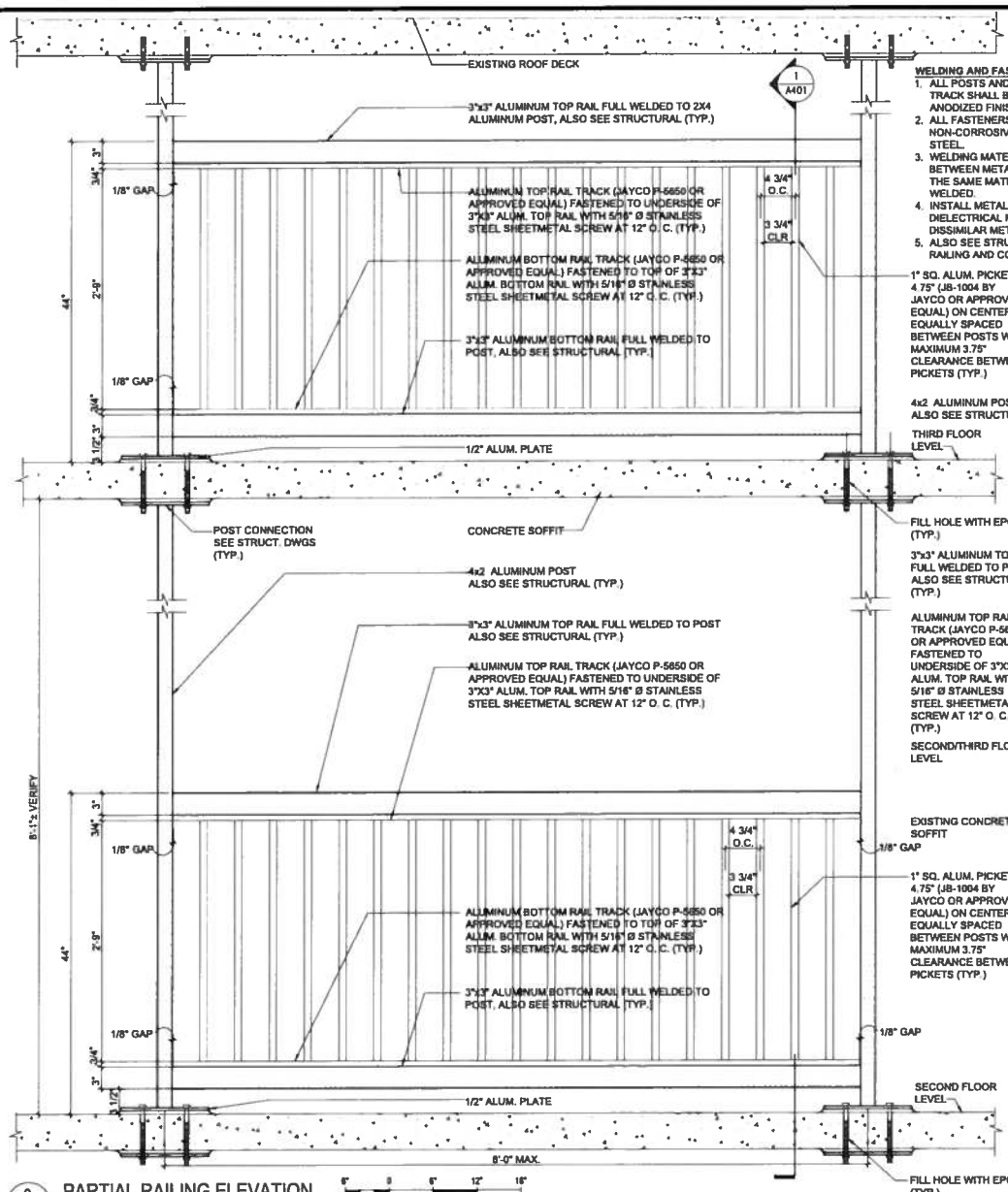
DESIGNED BY	CHECKED BY	JOB NO.	DRAWING NO.
LCC	LCC	CA-1606-C	A202
DRAWN BY	APPROVED BY	DATE	SHEET
NS	LCC	APRIL 2017	8 OF 24 SHTS
SCALE: AS INDICATED			

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
LICENSE EXPIRATION DATE: 4/30/2019

FILE _____ DRAWER _____ FOLDER _____



1 RAILING SECTION
A401 A401 SCALE: 1 1/2" = 1'-0"



2 PARTIAL RAILING ELEVATION
A301 A401 SCALE: 1 1/2" = 1'-0"

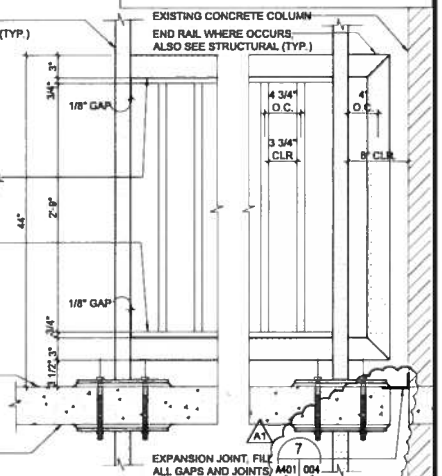
SCALE: 6" 0 6" 12" 18"
1 1/2"=1'

WELDING AND FASTENER NOTES:

1. ALL POSTS AND RAILS, PICKETS AND TRACK SHALL BE ALUMINUM WITH CLEAR ANODIZED FINISH.
2. ALL FASTENERS SHALL BE NON-CORROSIVE 300 SERIES STAINLESS STEEL.
3. WELDING MATERIAL USED FOR WELDING BETWEEN METAL COMPONENTS SHALL BE THE SAME MATERIAL AS THE METAL TO BE WELDED.
4. INSTALL METAL SEPARATOR OR DIELECTRICAL MATERIAL BETWEEN DISSIMILAR METALS
5. ALSO SEE STRUCTURAL DWGS FOR RAILING AND CONCRETE REPAIR WORK.

A1 FINISH NOTES:

1. CONTRACTOR SHALL PAINT ALL CEILING/SOFFIT, HALLWAY/CORRIDOR EDGES, WALK DECK EDGES, CEILING MOUNTED CONDUITS, PIPING AND PANELS, AT GROUND FLOOR, SECOND FLOOR, THIRD FLOOR, AND UNDERSIDE OF ROOF DECK, COMPLETE.
2. CONTRACTOR SHALL TOUCH UP PAINT AT BEAM AND COLUMNS TO MATCH EXISTING FINISH.
3. RAILING SHALL BE CLEAR ANODIZED.



3 PARTIAL RAILING EXTENSION
A301 A401 SCALE: 1 1/2" = 1'-0"

SUBMITTAL:	FINAL	
Rev #	Description	Date
1	REVISED DETAILS	5/1/17

LOU CHAK CHAN LICENSED PROFESSIONAL ARCHITECT NO. 5401 HAWAII - U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

LICENSE EXPIRES END 4/30/2018

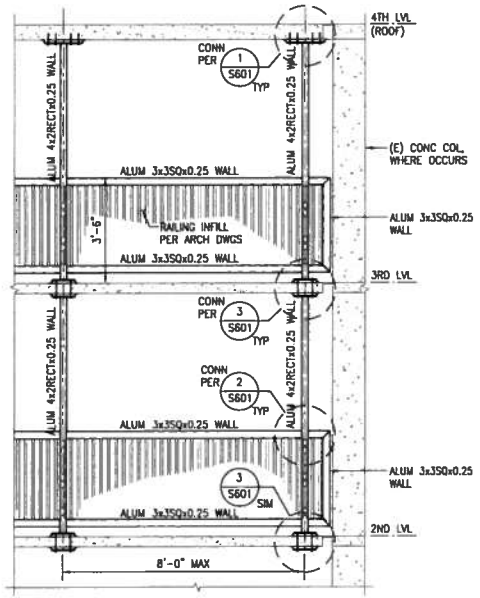
STATE OF HAWAII, DEPARTMENT OF DEFENSE
ENGINEERING OFFICE

YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

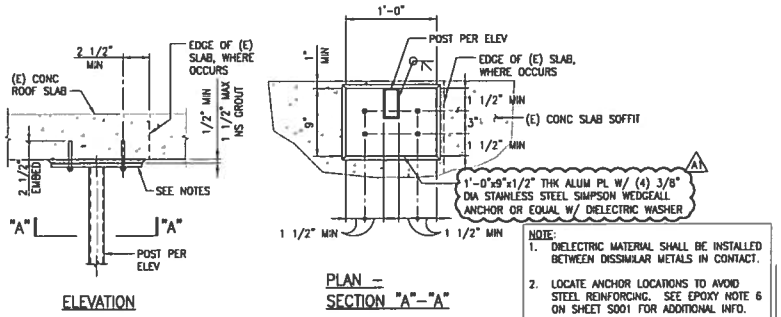
RAILING DETAILS

LOU CHAN & ASSOCIATES, INC.		JOB NO. CA-1605-C	DRAWING NO. A401
DESIGNED BY: LCC	CHECKED BY: LCC		
DRAWN BY: NS	APPROVED BY: LCC	DATE: APRIL 2017	SHEET 10 OF 24 SHTS
SCALE: AS INDICATED			

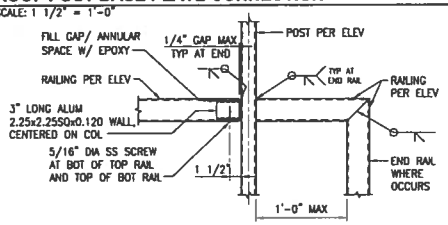
FILE _____ DRAWER _____ FOLDER _____



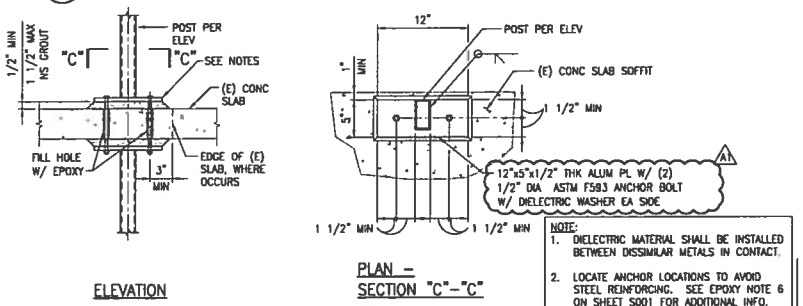
A RAILING ELEVATION
SCALE: 1/2" = 1'-0"



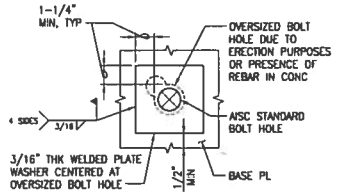
1 ROOF POST BASE PLATE CONNECTION
SCALE: 1 1/2" = 1'-0"



2 RAILING CONNECTION
SCALE: 1 1/2" = 1'-0"



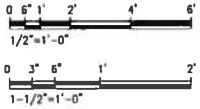
3 TYPICAL POST BASE PLATE CONNECTION
SCALE: 1 1/2" = 1'-0"



4 TYP PL WASHER AT OVERSIZED BOLT HOLE
NOT TO SCALE

NOTES:
1. SEE PLANS ON SHEETS S101 THRU S106 AND REPAIR SCHEDULES ON S505 FOR ADDITIONAL REPAIRS NOT SHOWN.
2. SEE DETAIL 2/S502 FOR CONCRETE REPAIR.

GRAPHIC SCALE:



Rev #	Description	Date	Approved
A1	REVISED DETAIL	5/1/17	

NORMAN K. NAGAMINE LICENSED PROFESSIONAL ENGINEER NO. 5479-S HAWAII, U.S.A.
License Expiration Date: 04-30-18

STATE OF HAWAII, DEPARTMENT OF DEFENSE
ENGINEERING OFFICE

YOUTH CHALLENGE ACADEMY (YCA)
B1786 AND B1787 RAILING REPLACEMENT, PHASE 1
STATE OF HAWAII, DEPARTMENT OF DEFENSE

NEW DETAILS

NAGAMINE OKAWA ENGINEERS, INC.		JOB NO: CA-1605-C	DRAWING NO: S601
DESIGNED BY: JQ	CHECKED BY: NN		
DRAWN BY: JQ	APPROVED BY: NN	DATE: APRIL 2017	SHEET OF SHTS
SCALE: AS INDICATED			

FILE: DRAWN: FIELD:

PRE-BID CONFERENCE ATTENDANCE LIST

DATE: April 25, 2017 at 9:30am
PROJECT: Youth Challenge Academy B1786 & 1787 Railing Replacement
Department of Defense, Youth Challenge Academy, Job No. CA-1605-C

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EMAIL:	

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TITLE:	Vice Pres
COMPANY:	Starcum Builders
PHONE:	952-6088
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CELL:	
EMAIL:	