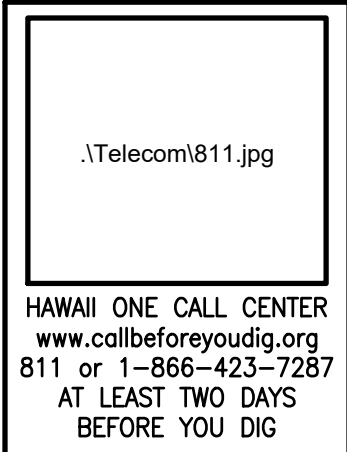


# **3. PLANS**

<b>001</b>	<b>TITLE SHEET</b>
<b>002</b>	<b>GENERAL NOTES</b>
<b>C001</b>	<b>SITE PLAN &amp; ESCP DETAILS</b>
<b>C002</b>	<b>ESCP NOTES</b>
<b>A001</b>	<b>FINISH FLOOR PLAN</b>
<b>A002</b>	<b>REFLECTED CEILING PLAN</b>
<b>A003</b>	<b>ROOF PLAN</b>
<b>A004</b>	<b>ELEVATIONS</b>
<b>A005</b>	<b>ELEVATIONS</b>

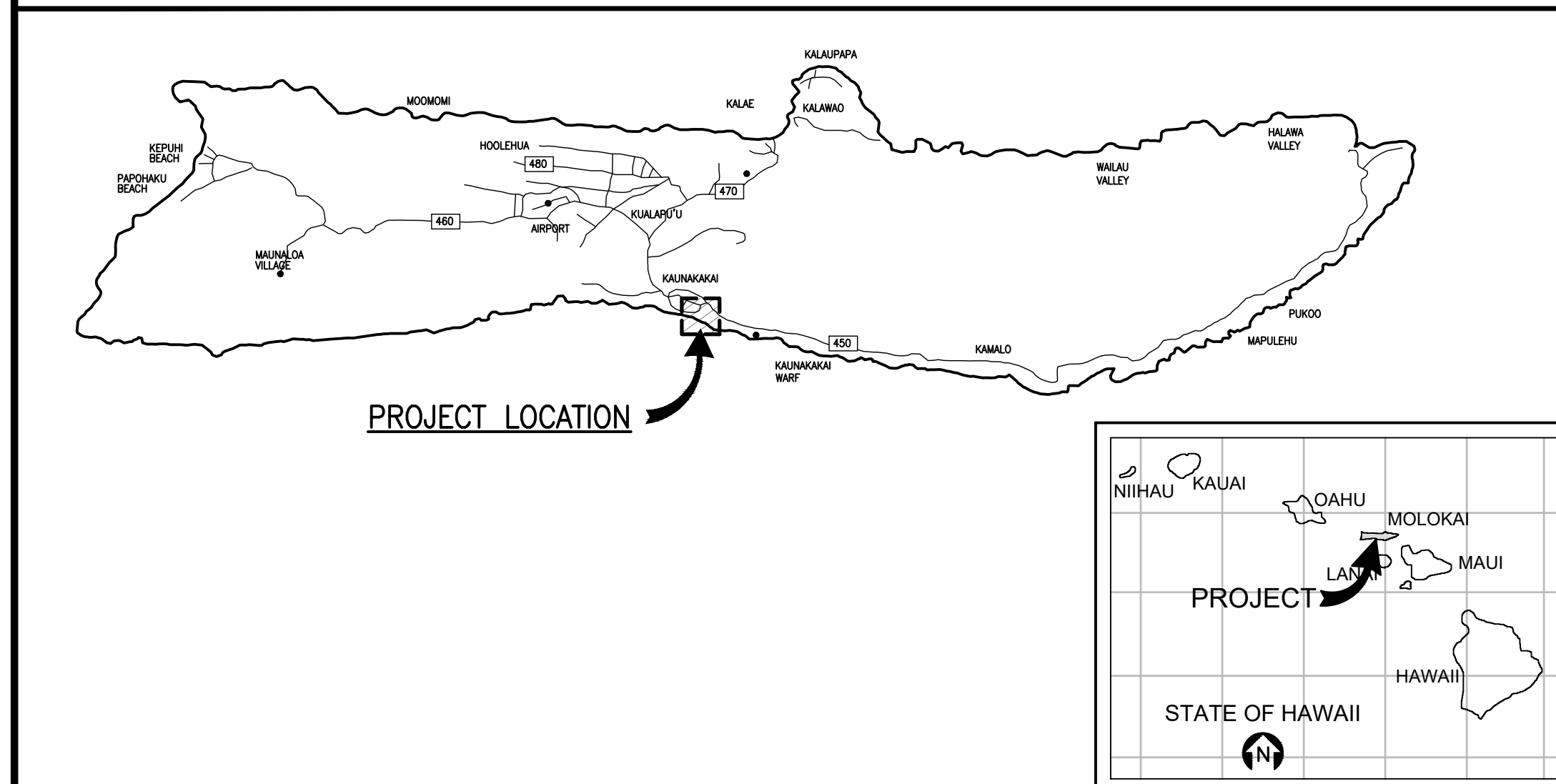
# DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS

## IFB-23-HHL-012 - BID SET 05/04/2023



### MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII

T.M.K.: (2) 5-2-009:018



**GENERAL NOTES**

1. THE INFORMATION CONTAINED HEREIN IS BASED UPON LIMITED FIELD INVESTIGATIONS AND AVAILABLE RECORD DRAWINGS.
2. DRAWINGS ARE INTENDED TO PROVIDE A GRAPHIC ILLUSTRATION OF DESIGN CONCEPT, ONLY, AND DEPICT THE GENERAL PLACEMENT OF CERTAIN COMPONENTS IN RELATION TO EACH OTHER.
3. FOR CLARITY, DETAIL DRAWINGS DO NOT SHOW ALL COMPONENTS OR ILLUSTRATE ALL FIELD CONDITIONS THAT MAY BE PRESENT.
4. CONTRACTOR SHALL TAKE MEASUREMENTS AND FIELD-VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION AND/OR FABRICATION.
5. ALL CONSTRUCTION SHALL CONFORM TO THE FOLLOWING BUILDING CODES:  
 2018 IBC  
 2018 NFPA 1, UFC  
 2018 UPC WITH STATE AMENDMENTS  
 2021 IECC  
 2020 NEC  
 TITLE 11 CHAPTER 39

**PREPARED FOR**

DEPARTMENT OF HAWAIIAN HOME LANDS, STATE OF HAWAII  
 LAND DEVELOPMENT DIVISION  
 91-5420 KAPOLEI PARKWAY  
 KAPOLEI, HAWAII 96707

CONTACT:  
 KALI WATSON  
 CHAIRMAN, HAWAIIAN HOMES COMMISSION

**PROJECT DATA**

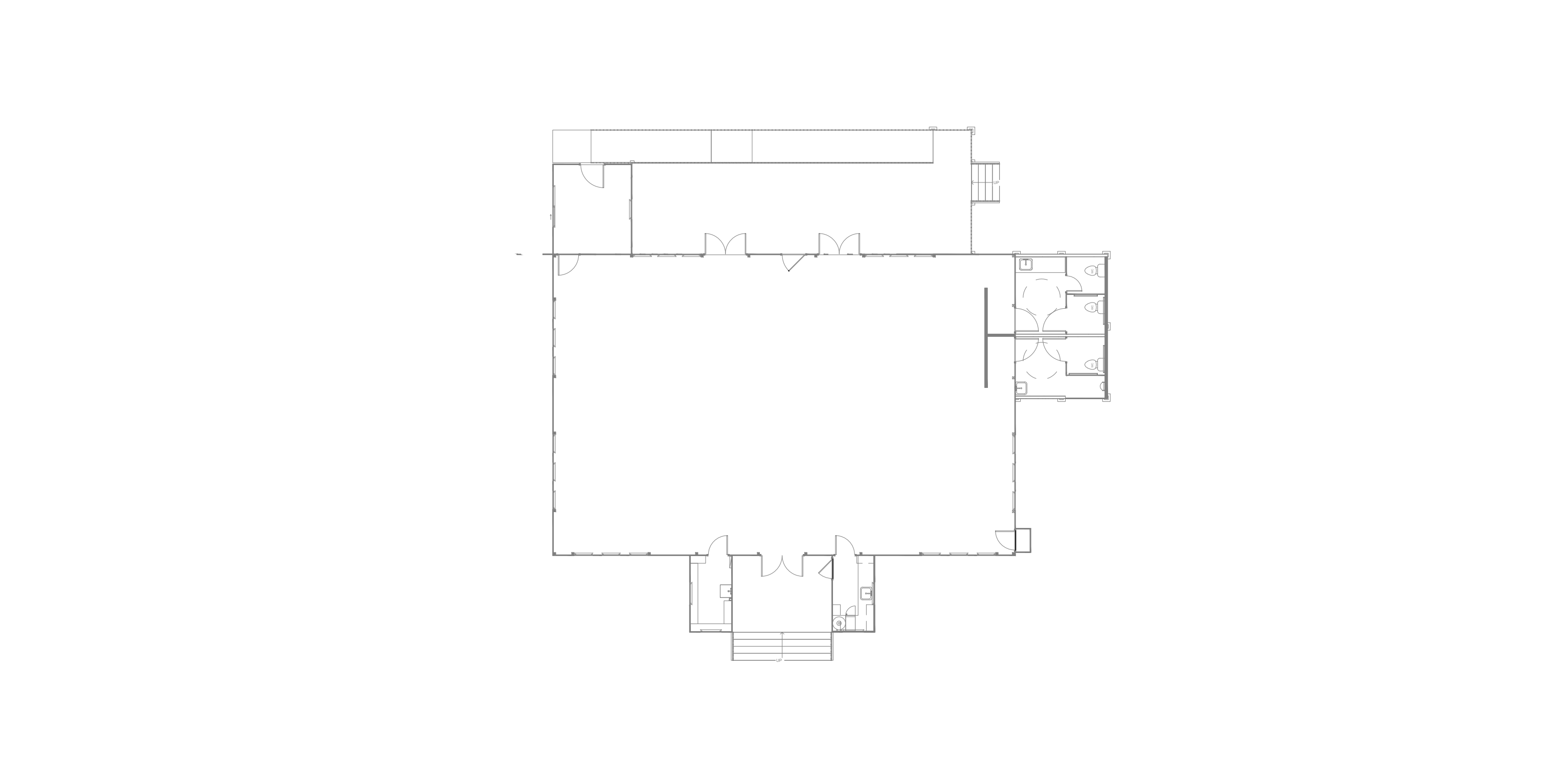
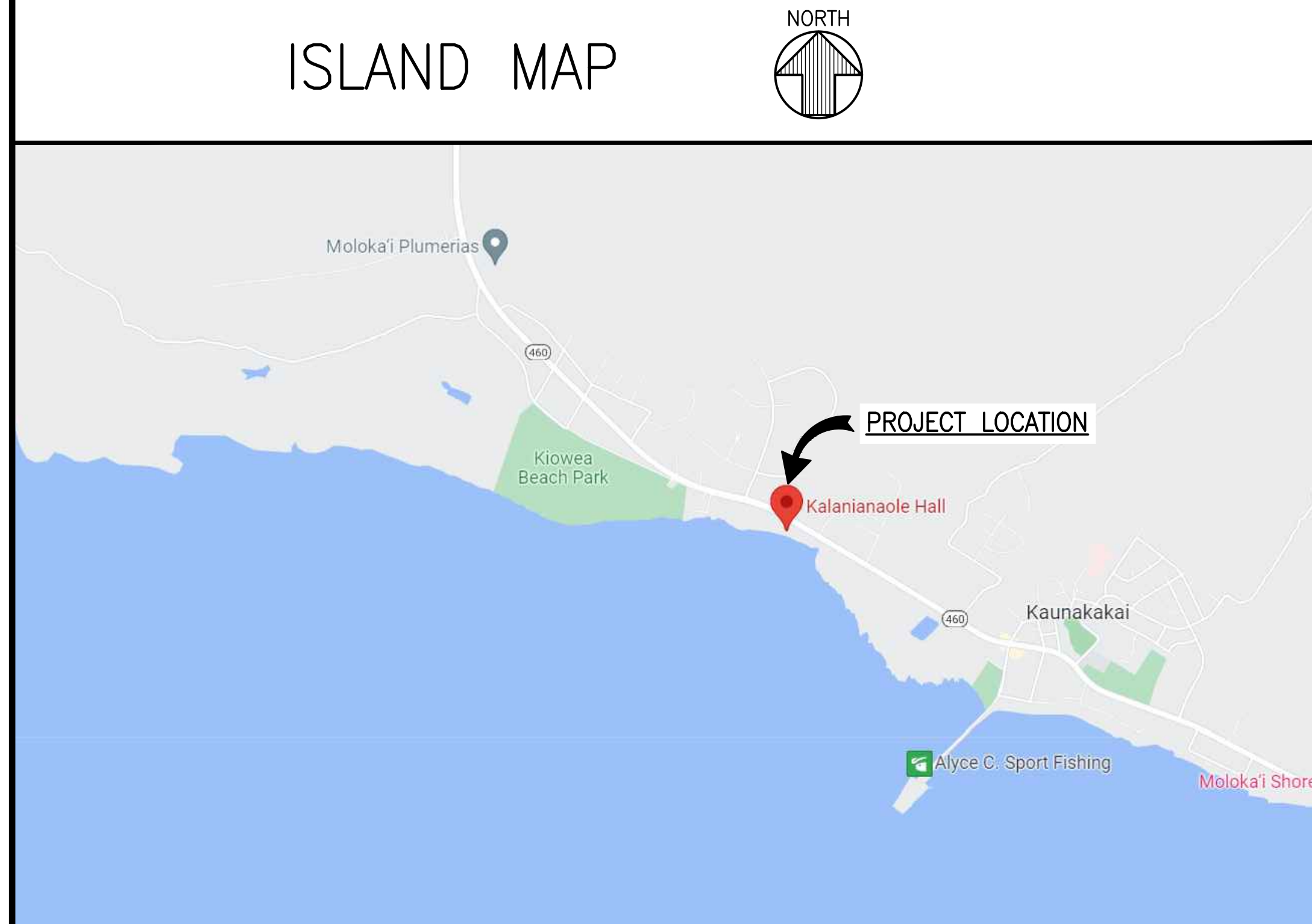
TAX MAP KEY: (2) 5-2-009:018  
 LOT SIZE: X S.F.  
 PLANNING ZONE: X  
 OCCUPANCY GROUP (LESS THAN 300) X  
 CONSTRUCTION TYPE: V-N

**PREPARED BY**

<u>STRUCTURAL ENGINEER</u>	<u>ELECTRICAL ENGINEER</u>
HAWAII ENGINEERING GROUP, INC. 1088 BISHOP STREET, SUITE 2506 HONOLULU, HAWAII 96813	HAWAII ENGINEERING GROUP, INC. 1088 BISHOP STREET, SUITE 2506 HONOLULU, HAWAII 96813
CONTACT: ATHER DAR, S.E.	CONTACT: KEN WELCH, E.E.

**INDEX OF SHEETS**

COUNT	SHEET No.	SHEET DESCRIPTION
1	001	TITLE SHEET
2	002	GENERAL NOTES
3	C001	SITE PLAN & ESCP DETAILS
4	C002	ESCP NOTES
5	A001	FINISH FLOOR PLAN
6	A002	REFLECTED CEILING PLAN
7	A003	ROOF PLAN
8	A004	ELEVATIONS
9	A005	ELEVATIONS



REVISION NO.	DATE	REVISIONS	BY



DEPARTMENT OF HAWAIIAN HOME LANDS

DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS  
 MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII  
 T.M.K.: (2) 5-2-009:018

**TITLE SHEET**

	DESIGNED BY: AD DRAWN BY: RSG CHECKED BY: - SUPV: - DATE: 05/04/2023		JOB NO.: 23-057 SHEET: 001 1 OF 9 SHEETS
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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION

1088 BISHOP STREET 2506  
 HONOLULU, HI 96813  
 TEL: 808-533-2002

GENERAL NOTES

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, ETC. TO COMPLETE THE WORK INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN.
- THE CONTRACTOR SHALL VERIFY NEW WORK REQUIREMENTS AT EXISTING CONDITION AND LOCATION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO SAFETY PRECAUTIONS. THE CONTRACTOR SHALL PROVIDE SAFE PASSAGEWAYS TO OCCUPIED SPACES AND ERECT SUCH BARRICADES AND COVERINGS FOR BUILDING OCCUPANTS, VISITORS AND WORK CREWS.
- THE CONTRACT WORK ZONE PLAN DEFINES THE AREAS ACCESSIBLE, SHARED, RESTRICTED TO THE CONTRACTOR, RESIDENTS, AND HPHA'S USE. THE CONTRACTOR IS STILL RESPONSIBLE FOR THE DEMOLITION, REPAIR AND REFINISH OF THOSE AREAS SHOWN AND SPECIFIED AS SUCH IN THESE SET OF DOCUMENTS.
- CONTRACTOR SHALL NOT SHUTDOWN ANY UTILITY SYSTEM OF THE BUILDING WITHOUT PRIOR WRITTEN APPROVAL FROM THE CONTRACTING OFFICER AND SHALL PROVIDE 72 HOURS ADVANCE NOTICE OF ANY SHUTDOWN. HOURS AND THE TIME OF THE DAY FOR ANY PROPOSED SHUTDOWN SHALL BE THE SOLE DISCRETION OF THE CONTRACTING OFFICER.
- THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING CONDITIONS, LANDSCAPE, WALKWAY, SURFACES AND AREAS WHICH ABUT THE PROPOSED WORK. RESTORE DAMAGED AREAS, SURFACES OR CONDITIONS TO ORIGINAL OR BETTER CONDITION AT NO COST TO PAUKUKALO COMMUNITY CENTER (PCC).
- BUILDING WILL BE IN USE THROUGHOUT THE DURATION OF THE CONTRACT. MAKE PROVISIONS TO KEEP PEOPLE OUT AND AWAY FROM THE EXCLUSIVE CONTRACT ZONE. THE UNITS, STAIRS, ELEVATORS, AND CORRIDORS MUST BE ACCESSIBLE TO THE RESIDENTS, VISITORS, AND PCC STAFF 24 HOURS EVERYDAY. THE CONTRACTOR SHALL COORDINATE WITH THE CONTRACTING OFFICER SHOULD THE ACCESSIBLE ROUTE TO THE UNITS, STAIRS, ELEVATORS AND CORRIDORS HAVE TO BE REDIRECTED.
  - A) WORKING HOURS SHALL BE DETERMINED BY PCC.
- COORDINATE WITH THE PCC FOR SITE ACCESS, STAGING AND MATERIAL STORAGE ON SITE.
- ASBESTOS AND OTHER HAZARDOUS MATERIALS MAY BE PRESENT IN THE EXISTING STRUCTURE SUBJECT TO ALTERATION. OBSERVE THE APPLICABLE REQUIREMENTS OF HAWAII OCCUPATIONAL SAFETY AND HEALTH STANDARDS AND THE ENVIRONMENTAL PROTECTION AGENCY. NOTIFY OWNER IMMEDIATELY IF ANY HAZARDOUS MATERIALS ARE DISCOVERED.
- KEEP DUST WITHIN ACCEPTABLE LEVELS AT ALL TIMES, INCLUDING WEEKENDS AND HOLIDAYS, IN CONFORMANCE WITH CHAPTER 31 - AIR POLLUTION, OF THE STATE DEPARTMENT OF HEALTH PUBLIC HEALTH REGULATIONS, LATEST EDITION.
- PROVIDE SECURITY AND FACILITIES TO PROTECT WORK AND EXISTING FACILITIES FROM UNAUTHORIZED ENTRY, VANDALISM, AND THEFT.
- PROTECT EXISTING FINISHED SURFACES FROM TRAFFIC, DIRT, WEAR, DAMAGE, OR MOVEMENT OF HEAVY OBJECTS, BY PROTECTING WITH DURABLE SHEET MATERIALS.
- COORDINATE ACTIVITIES OF HEAVY NOISE AND VIBRATION WITH THE CONTRACTING OFFICER REPRESENTATIVE.
- PATCH TO MATCH SURFACES AFFECTED BY DEMOLITION WORK, READY TO RECEIVE NEW FINISH.
- PERFORM CUTTING AND REMOVAL WORK TO REMOVE MINIMUM NECESSARY, AND IN A MANNER TO AVOID DAMAGE TO ADJACENT WORK AND PROVIDE PROPER SURFACES TO RECEIVE INSTALLATION OF REPAIR AND NEW WORK.
- REMOVE, CUT, AND PATCH WORK IN A MANNER TO MINIMIZE DAMAGE AND TO PROVIDE A MEANS OF RESTORING PRODUCTS AND FINISHES TO ORIGINAL SPECIFIED CONDITION AS APPROPRIATE.
- REFINISH VISIBLE EXISTING SURFACES TO REMAIN IN RENOVATED ROOMS AND SPACES TO SPECIFIED CONDITION FOR EACH MATERIAL, WITH A NEAT TRANSITION TO ADJACENT FINISHES.
- WHERE NEW WORK ABUTS OR ALIGNS WITH EXISTING, PERFORM A SMOOTH AND EVEN TRANSITION. PATCH WORK TO MATCH EXISTING ADJACENT WORK IN TEXTURE AND APPEARANCE.
- (E) INDICATES EXISTING DIMENSION. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS.
- TEMPORARY PASSAGEWAYS, IF REQUIRED, SHALL BE ACCESSIBLE AND COMPLY WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

**EROSION AND TEMPORARY DUST CONTROL**

- FOR DRAIN INLETS OUTSIDE OF THE ROADWAY, USE FILTER SOCKS FOR SEDIMENT PROTECTION. FOR DRAIN INLETS WITHIN THE ROADWAY, USE ULTRA DRAIN GUARD WITH OVERFLOW BYPASS OR EQUIVALENT.
- DURING CONSTRUCTION, PREVENTATIVE MEASURES SHALL BE USED TO CONTROL FORESEEABLE DUST, EROSION OR SEDIMENTATION PROBLEMS WHICH MAY ARISE AS THE JOB PROGRESSES.
- FUGITIVE DUST AND SOLID WASTE DISPOSAL DURING GRUBBING AND GRADING ACTIVITIES SHALL MEET REQUIREMENTS OF ADMINISTRATIVE RULES, TITLE II, CHAPTER 60, AIR POLLUTION CONTROL AND CHAPTER 58, SOLID WASTE MANAGEMENT CONTROL.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.

**BEST MANAGEMENT PRACTICES (BMP) NOTES**

- EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO START OF PROJECT AND BE MAINTAINED UNTIL COMPLETION OF PROJECT.
- CONTRACTOR TO PERIODICALLY INSPECT SILT FENCE, STABILIZED CONSTRUCTION ENTRANCE, CATCH BASIN AND INLET FILTERS, ESPECIALLY DURING HEAVY RAINFALL. CONTRACTOR SHALL ALSO ENSURE DRAINAGE THROUGH FILTER MATERIAL IS MAINTAINED.
- THE FINAL LIFT OF EACH DAY'S WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIAL.
- GOOD HOUSEKEEPING SHALL BE UTILIZED TO ENSURE PROTECTION OF ROADWAYS FROM MUD, DIRT, AND DEBRIS.
- THE CONTRACTOR SHALL ENSURE THAT ALL TIRES OF CONSTRUCTION VEHICLES ARE SUFFICIENTLY CLEANED OFF SO THAT DIRT OR DEBRIS IS NOT TRACKED OFF THE CONSTRUCTION SITE. WASHING OFF TIRES WITH WATER WILL NOT BE ACCEPTABLE UNLESS THE RUNOFF IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM OR ONTO THE STATE'S ROW.
- AT THE END OF GRADING OPERATIONS AND AT THE COMPLETION OF PROJECT, CONTRACTOR SHALL INSPECT ALL CATCH BASIN, DRAIN INLET AND DRAIN MANHOLES SURROUNDING THE PROJECT SITE. ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE STORM DRAIN STRUCTURES SHALL BE REMOVED. PLEASE NOTE THAT FLUSHING INTO THE DRAIN STRUCTURES IS PROHIBITED.
- ANY DIRT OR GRASSSED AREA DISTURBED SHALL BE RESTORED BY RE-GRASSING THE AREA OR BY SEEDED HYDROMULCH. THE GRASS SHALL BE FULLY ESTABLISHED AT COMPLETION OF PROJECT.

ABBREVIATIONS

&	AND	N	NORTH
∠	ANGLE	NIC	NOT IN CONTRACT
⊙	AT	NO	NUMBER
⊕	CENTERLINE	NTS	NOT TO SCALE
⊖	CHANNEL	NVR	NETWORK VIDEO RECORDER
∅	DIAMETER OR ROUND	OA	OVERALL
%	PERCENT	OC	ON CENTER
⊥	PERPENDICULAR	OD	OUTSIDE DIAMETER/DIMENSION
#	POUND OR NUMBER	OF/CI	OWNER FURNISHED-
PL	PROPERTY LINE		OWNER INSTALLED
AB	ANCHOR BOLT	OFF	OFFICE
ABV	ABOVE	OPNG	OPENING
ACOUS	ACOUSTICAL	OPP	OPPOSITE
ACS	ACCESS CONTROL SYSTEM		
ADA	AMERICANS WITH DISABILITIES ACT	PL	PROPERTY LINE
ADDM	ADDENDUM	PNL	PANEL
ADJ	ADJACENT, ADJUSTABLE	PROP	PROPERTY
AFF	ABOVE FINISH FLOOR	PT	POINT
ALUM	ALUMINUM	PTN	PARTITION
ALT	ALTERNATE		
ANOD	ANODIZED	R	RISER, RADIUS
APPROX	APPROXIMATE	REF	REFERENCE
ARCH	ARCHITECT(URAL)	REINF	REINFORCES, REINFORCING
		REQD	REQUIRED
		RM	ROOM
		RO	ROUGH OPENING
BD	BOARD		
BLDG	BUILDING	SCHED	SCHEDULE
BLKG	BLOCKING	SECT	SECTION
BOT	BOTTOM	SHT	SHEET
		SIM	SIMILAR
CLG	CEILING	SLDG	SLIDING
CLR	CLEAR(ANCE)	SPEC	SPECIFICATION
CMU	CONCRETE MASONRY UNIT(S)	SQ	SQUARE
COL	COLUMN	SST	STAINLESS STEEL
CONC	CONCRETE	STC	SOUND TRANSMISSION CLASS
COND	CONDITION	STD	STANDARD
CONN	CONNECTION	STL	STEEL
CONSTR	CONSTRUCTION	STOR	STORAGE
CONT	CONTINUOUS	STRUCT	STRUCTURAL
CONTR	CONTRACTOR	SUSP	SUSPEND(ED)
COORD	COORDINATE	SYMM	SYMMETRICAL
D	DEEP, DEPTH		
DEMO	DEMOLISH	THK	THICK
DET	DETAIL	TYP	TYPICAL
DIA	DIAMETER		
DIAG	DIAGONAL	UL	UNDERWRITERS LABORATORIES
DIM	DIMENSION	UNO	UNLESS NOTED OTHERWISE
DN	DOWN		
DR	DOOR	VERT	VERTICAL
DWG	DRAWING		
DWR	DRAWER	W	WEST, WIDE, WIDTH
		W/	WITH
		WDW	WINDOW
		W/O	WITHOUT

SYMBOLS

	WALL SECTION, ELEVATION, OR IMAGE
	PLAN DETAIL REFERENCE
	COLUMN GRID LINE
	BUILDING SECTION
	DETAIL SECTION
	DOOR IDENTIFICATION
	REVISION CLOUD AND NUMBER
	NORTH ARROW

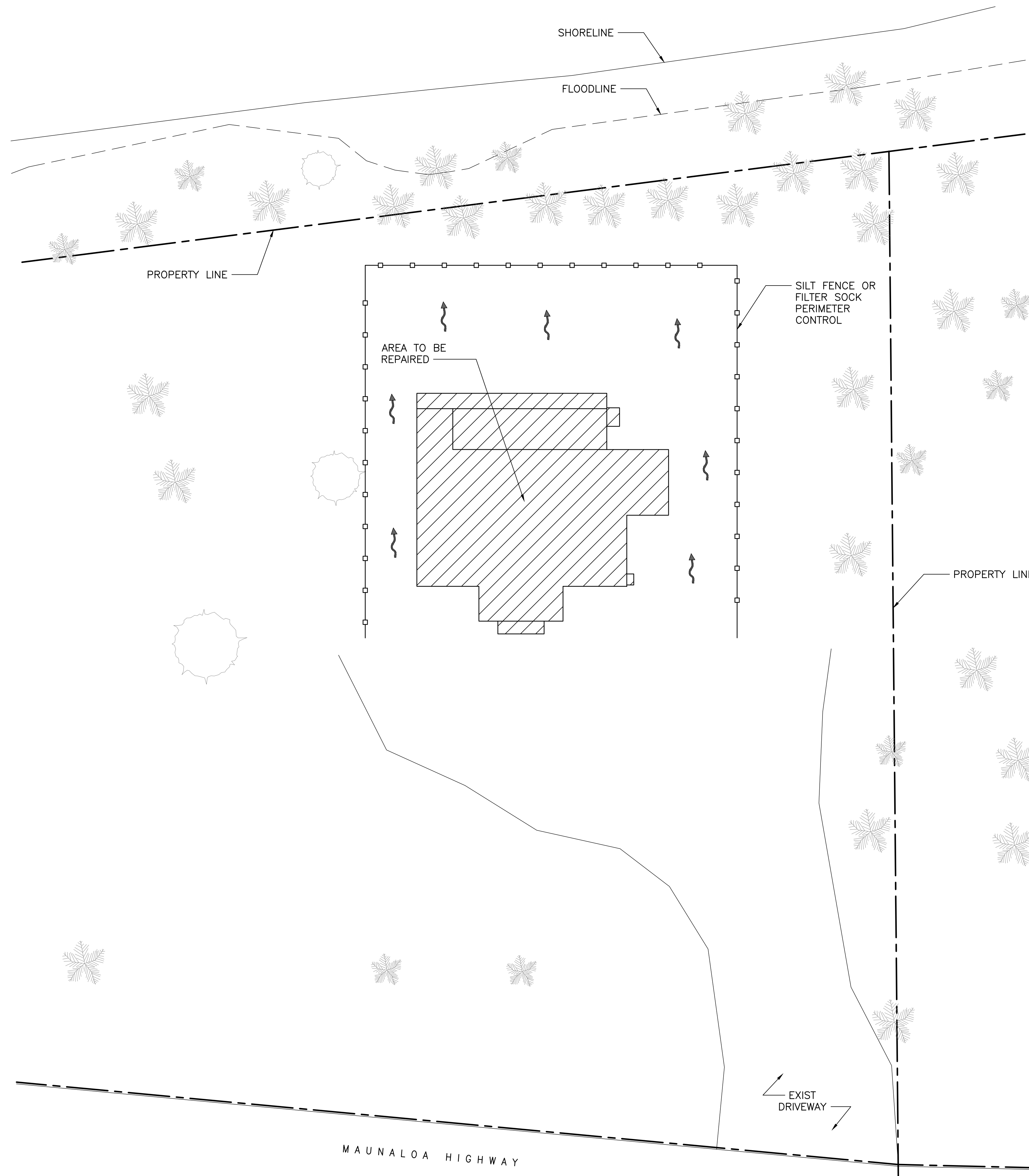
DESIGN CRITERIA

ALL WORK SHALL CONFORM TO THE 2006 INTERNATIONAL BUILDING CODE (IBC) WITH THE COUNTY OF MAUI AMENDMENTS

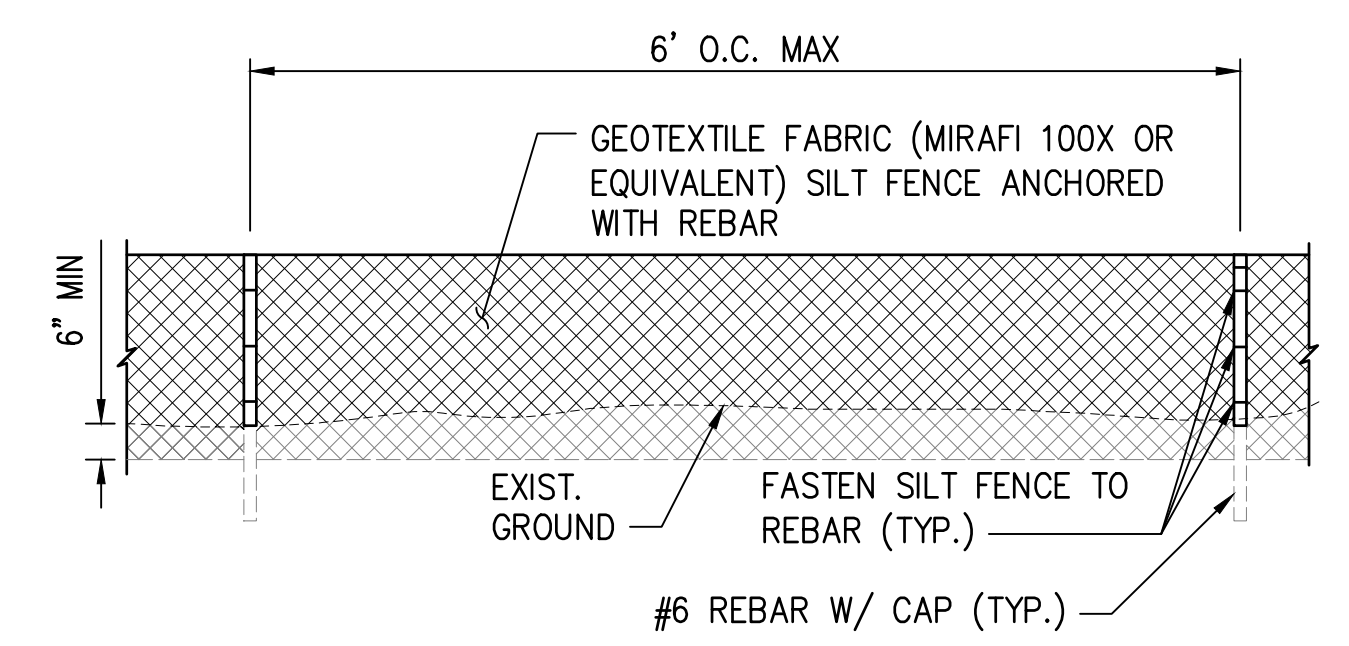
BASIC WIND SPEED = 105 MPH  
 WIND EXPOSURE B  
 SEISMIC DESIGN CATEGORY C  
 SITE CLASS D  
 OCCUPANCY CATEGORY II

REVISION NO.	DATE	REVISIONS	BY
DEPARTMENT OF HAWAIIAN HOME LANDS DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII T.M.K.: (2) 5-2-009:018			
GENERAL NOTES			
DESIGNED BY: AD DRAWN BY: RSG CHECKED BY: - SUPV: - DATE: 05/04/2023		HAWAII ENGINEERING GROUP, Inc. Civil & Structural Engineers 100 BISHOP STREET, 25TH FLOOR HONOLULU, HI 96813 TEL: 808-533-2002	JOB NO. 23-057 SHEET 002 2 OF 9 SHEETS

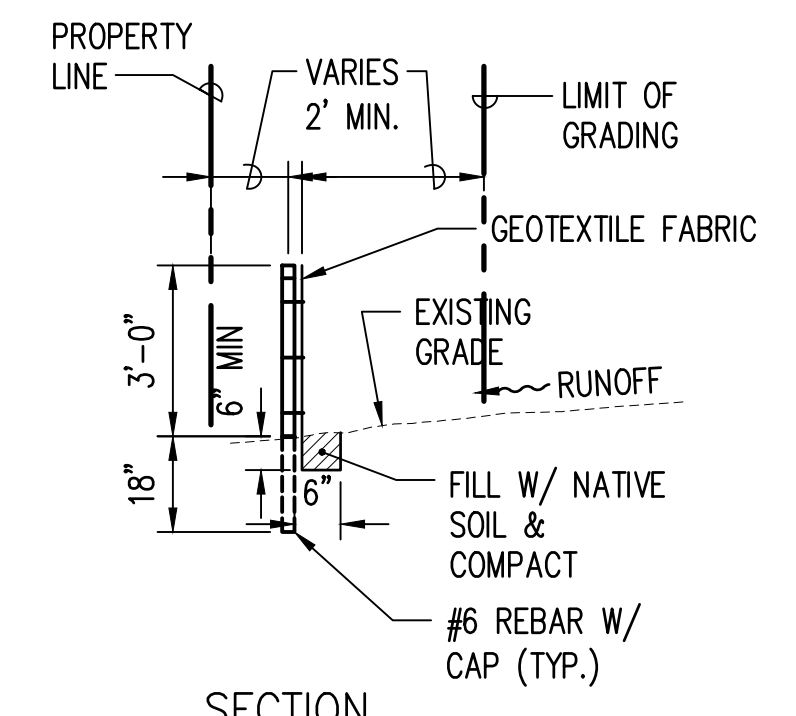




**1 SITE PLAN**  
 C001 SCALE: 1/16" = 1'-0"

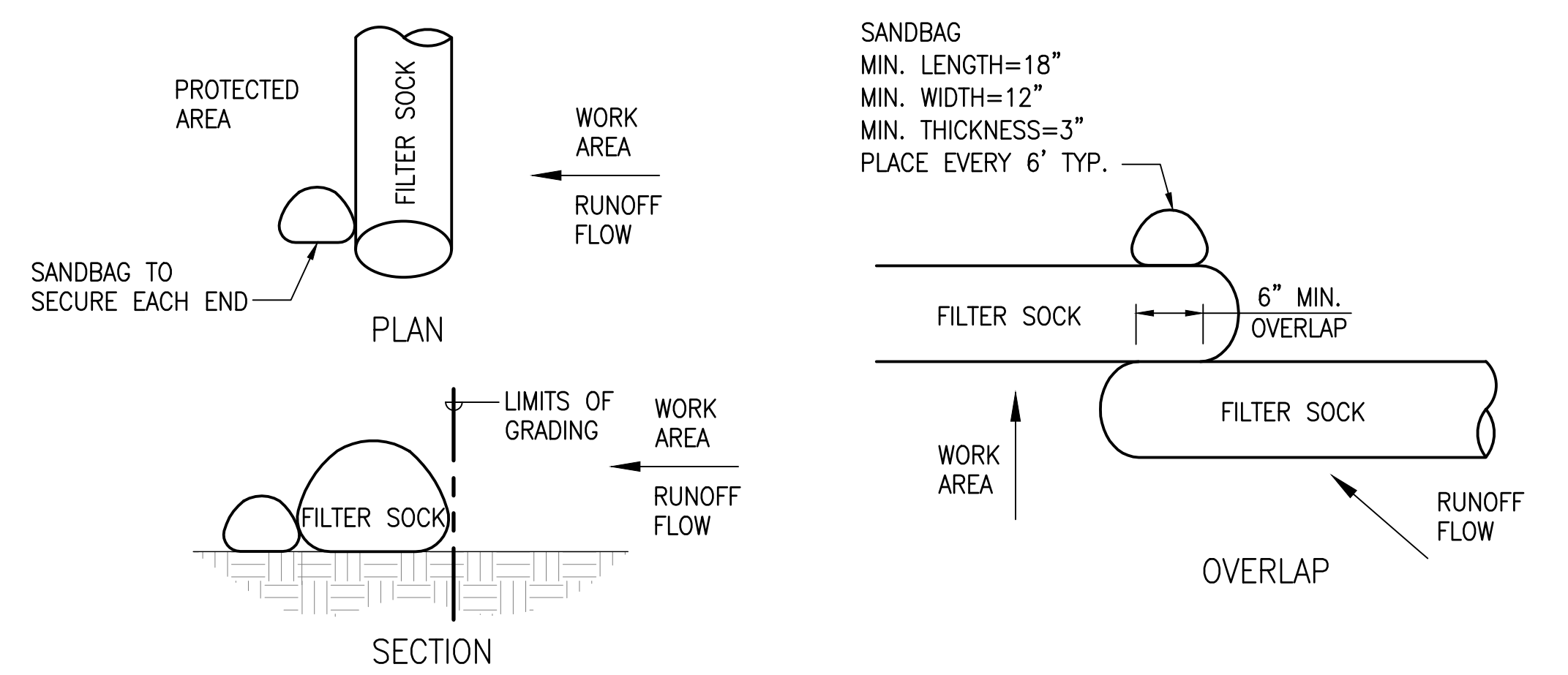


ELEVATION

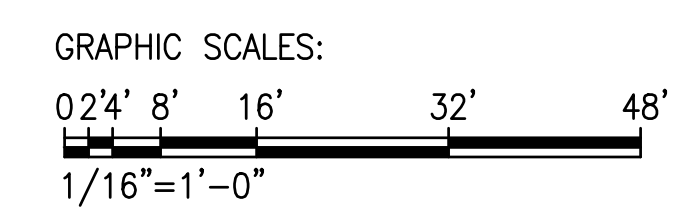


SECTION

**2 SILT FENCE DETAILS**  
 C001 NOT TO SCALE



**3 FILTER SOCK DETAILS**  
 C001 NOT TO SCALE



REVISION NO.	DATE	REVISIONS	BY

	DEPARTMENT OF HAWAIIAN HOME LANDS DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII T.M.K.: (2) 5-2-009:018	
	<b>SITE PLAN &amp; ESCP DETAILS</b>	
DESIGNED BY: AD DRAWN BY: RSG CHECKED BY: - SUPV: - DATE: 05/04/2023	HAWAII ENGINEERING GROUP, Inc. Civil & Structural Engineers 100 BISHOP STREET 25TH FLOOR HONOLULU, HI 96813 TEL: 808-533-2002	JOB NO.: 23-057 SHEET: C001 X OF 9 SHEETS

EROSION PREVENTION/SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES IN THE CITY AND COUNTY OF HONOLULU'S "RULES RELATING TO WATER QUALITY".
2. THE CONTRACTOR SHALL COMPLY WITH THE PROJECT SCHEDULE REQUIREMENTS OF THE CITY'S RULES RELATING TO WATER QUALITY. THE CONTRACTOR TO SUBMIT THE SCHEDULED START DATE TWO WEEKS PRIOR TO THE START OF CONSTRUCTION.
3. THE OWNER OF THE PROPERTY OR THEIR AUTHORIZED AGENT MUST DESIGNATE A PERSON RESPONSIBLE FOR IMPLEMENTING THE ESCP AT THE PROJECT SITE ("ESCP COORDINATOR") PRIOR TO PERMIT ISSUANCE USING THE FORM PROVIDED AS APPENDIX A TO THESE RULES.
4. MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY EARTHWORK IS INITIATED.
5. SLOPE PROTECTION

SLOPE PROTECTION IS REQUIRED ON AREAS WITH SLOPES GREATER THAN 15% AND ON AREAS OF MODERATE SLOPE THAT ARE PRONE TO EROSION UNLESS THEY ARE BEING ACTIVELY WORKED. USE DIVERSION UPSTREAM OF SLOPE (DIKES, SWALES, SLOPE DRAINS) TO DIVERT WATER AROUND THE SLOPE. PROVIDE A 10-FT BUFFER ZONE AT THE TOE OF SLOPE. ONLY 5 ACRES MAY BE DISTURBED AT ANYTIME ON SLOPES GREATER THAN 15%.

6. TEMPORARY STABILIZATION

TEMPORARY STABILIZATION IS REQUIRED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WHEN THE DISTURBED AREA WILL NOT BE WORKED FOR 7 CONSECUTIVE DAYS OR MORE.

7. PERMANENT STABILIZATION

ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED USING VEGETATIVE COVERING, PAVEMENT, OR EQUIVALENT, PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM THE REMOVAL OF THE TEMPORARY MEASURES SHALL BE IMMEDIATELY AND PERMANENTLY STABILIZED.

8. PRESERVE EXISTING VEGETATION CLEARLY MARK THE AREAS TO BE PRESERVED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.

9. MINIMIZE SOIL COMPACTION AREAS WHERE FINAL STABILIZATION OR INFILTRATION PRACTICES WILL BE INSTALLED SHALL BE PROTECTED FROM EXCESSIVE COMPACTION DURING CONSTRUCTION. VEHICLE AND EQUIPMENT USE SHALL BE RESTRICTED OR TECHNIQUES TO CONDITION THE SOILS TO SUPPORT VEGETATION SHALL BE IMPLEMENTED IN THE AREAS THAT HAVE BEEN COMPACTED AND ARE DESIGNATED TO REMAIN VEGETATIVE OR POST-CONSTRUCTION INFILTRATION AREAS. CLEARLY MARK THE AREAS TO BE AVOIDED WITH FLAGS OR TEMPORARY FENCING. WHERE TEMPORARY FENCING IS USED, FENCING MUST BE ADEQUATELY SUPPORTED BY POSTS AND MAINTAINED IN AN UPRIGHT POSITION.

10. PERIMETER CONTROLS

PERIMETER CONTROLS ARE REQUIRED DOWNSLOPE OF ALL DISTURBED AREAS. MAINTAIN DOWNSTREAM VEGETATED BUFFER AREA.

11. INLET PROTECTION

- ALL STORM DRAIN INLETS ONSITE SHALL USE INLET PROTECTION PER DETAIL 5/C003. THERE ARE NO STORM DRAIN INLETS OFFSITE WHICH MAY RECEIVE RUNOFF FROM THE SITE.

- SEDIMENT LEVELS MAY NOT EXCEED SIX INCHES FROM THE TOP OF THE STORM DRAIN INLET AND INLET PROTECTION.

- STORM DRAIN INLET PROTECTION MUST BE UNCLOGGED AND CLEANED WHEN PERFORMANCE IS COMPROMISED.

- TORN, WEATHERED OR SAGGING SEDIMENT BARRIERS OR STORM DRAIN INLET PROTECTION MUST BE REPAIRED OR REPLACED IMMEDIATELY.

12. TRACKING CONTROL

- MINIMIZE SEDIMENT TRACK-OUT ONTO OFF-SITE STREETS, OTHER PAVED AREAS, AND SIDEWALKS FROM VEHICLES EXITING THE CONSTRUCTION SITE BY RESTRICTING VEHICLE TRAFFIC TO PROPERLY DESIGNATED AREAS AND USING ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM VEHICLE TIRES PRIOR TO EXITING THE SITE.

- VEHICULAR PARKING AND MOVEMENTS ON PROJECT SITES MUST BE CONFINED TO PAVED SURFACES OR PREDEFINED PARKING AREAS AND VEHICLE PATHS, WHICH SHALL BE MARKED WITH FLAGS OR BOUNDARY FENCING.

- ALL POLLUTANTS AND MATERIALS THAT ARE DROPPED, WASHED, TRACKED, SPILLED, OR OTHERWISE DISCHARGED FROM A PROJECT SITE TO OFF-SITE STREETS, OTHER PAVED AREAS, SIDEWALKS OR THE MS4 MUST BE CLEANED USING DRY METHODS SUCH AS SWEEPING OR VACUUMING.

- WASHING POLLUTANTS AND MATERIALS THAT ARE DISCHARGED FROM THE PROJECT SITE TO THE STORM DRAIN INLETS IS PROHIBITED UNLESS THE MATERIAL IS SEDIMENT AND THE INLETS ARE DIRECTED TO A SEDIMENT BASIN OR SEDIMENT TRAP.

13. BEST MANAGEMENT PRACTICES (BMPs) SHALL NOT BE REMOVED UNTIL FINAL STABILIZATION IS COMPLETE FOR THAT PHASE.

14. REFER TO CITY AND COUNTY OF HONOLULU BEST MANAGEMENT PRACTICES MANUAL- CONSTRUCTION, FOR MORE INFORMATION ON BMPs.

15. THE FOLLOWING BMPs WERE DETERMINED TO BE NOT APPLICABLE BECAUSE THEY WOULD NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL BASED ON THE SPECIFIC SITE CONDITIONS. AS CONSTRUCTION PROGRESSES, REVISIONS MAY BE NECESSARY AND WILL BE PROVIDED TO DPP INSPECTORS.

- DIVERSION BMPs TO DIVERT RUNOFF FROM UPSTREAM AREAS AROUND DISTURBED AREAS OF THE SITE ARE NOT PROVIDED BECAUSE THE SILT FENCE PERIMETER CONTROL IS SUFFICIENT TO ADDRESS ANY RUNOFF.

- VELOCITY DISSIPATION DEVICES ARE NOT APPLICABLE BECAUSE STORM WATER RUNOFF AT HIGH VELOCITY IS NOT ANTICIPATED.

- SEDIMENT BASINS ARE NOT APPLICABLE BECAUSE THE AREA TO BE DISTURBED IS LESS THAN 5 ACRES.

- SEDIMENT TRAPS ARE NOT APPLICABLE BECAUSE THE AREA TO BE DISTURBED IS LESS THAN 1 ACRE AT ANY TIME.

- SEDIMENT BARRIERS ARE NOT APPLICABLE BECAUSE THE PROVIDED SILT FENCE PERIMETER CONTROL AND STORM DRAIN INLET PROTECTION IS SUFFICIENT TO ADDRESS ANY POTENTIAL SEDIMENT RUNOFF.

- DEWATERING OPERATIONS BMPs ARE NOT BEING PROVIDED BECAUSE NO GROUNDWATER IS ANTICIPATED.

PROJECT SEQUENCE:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES, PERIMETER CONTROLS, AND TEMPORARY FENCING FOR PROTECTED AREAS, CLEARING AND GRUBBING AS NECESSARY FOR THE INSTALLATION OF THESE BMPs.
2. INSTALL PERMANENT DRAINAGE SYSTEM WITH TEMPORARY INLET PROTECTION FOR INLETS THAT DO NOT DRAIN TO THE SEDIMENT BASINS. CLEAR AND GRUB AS NEEDED FOR INSTALLATION.
3. CLEAR, GRUB AND GRADE THE SITE, REFER TO SITE PLAN. RELOCATE, RECONSTRUCT AND MAINTAIN BMPs AS NEEDED TO KEEP THEM EFFECTIVE AT ALL TIMES. INITIATE TEMPORARY STABILIZATION IMMEDIATELY ONCE GRADING IS COMPLETED.
4. INITIATE STABILIZATION OF STEEP SLOPES (> 15%) WITH HYDROSEEDING AS SOON AS GRADING IS COMPLETED ON THOSE AREAS. INSTALL PERMANENT IRRIGATION SYSTEM PRIOR TO PERMANENT SEEDING.
5. PROCEED WITH CONSTRUCTION WITH LEAST POSSIBLE DISTURBANCE OF VEGETATIVE AREAS AND TEMPORARY STRUCTURES.
6. PLANT PERMANENT GROUND COVER ACCORDING TO THE LANDSCAPING PLAN AS SOON AS POSSIBLE.
7. REMOVE OR DISMANTLE TEMPORARY EROSION CONTROL STRUCTURES AFTER FULL ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
8. PRACTICE GOOD HOUSEKEEPING MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.
9. INSPECTIONS WILL BE PERFORMED WEEKLY.

RAIN RESPONSE PLAN:

1. THE FOLLOWING WILL BE PERFORMED WHEN HEAVY RAINS, TROPICAL STORM OR HURRICANE IS IMMINENT OR IS FORECASTED IN THE NEXT 48 HOURS:
2. TEMPORARY SUSPENSION OF ACTIVE GRADING AND TRENCHING.
3. INSPECT ALL PERIMETER CONTROLS AND INLET PROTECTION, AND MAINTAIN AS NEEDED. REINSTALL ANY PERIMETER CONTROLS THAT WERE REMOVED DUE TO ACTIVE WORK IN THE AREA.
4. COVER OR RELOCATE MATERIAL STOCKPILES AND LIQUID MATERIAL CONTAINERS TO AVOID CONTACT WITH RAINWATER.
5. PLACE SPILL PANS OR OIL-ONLY SPILL PADS UNDER CONSTRUCTION VEHICLES TO PREVENT RUNOFF FROM CONTACTING ANY SPILLED PETROLEUM PRODUCTS. PROPERLY DISPOSE OF ANY ACCUMULATED OILY WATER AFTER THE RAIN EVENT.
6. RE-INSPECT AFTER THE APPROACHING HEAVY RAINS, TROPICAL STORM OR HURRICANE AND REPLACE OR MAINTAIN BMPs AS NEEDED.

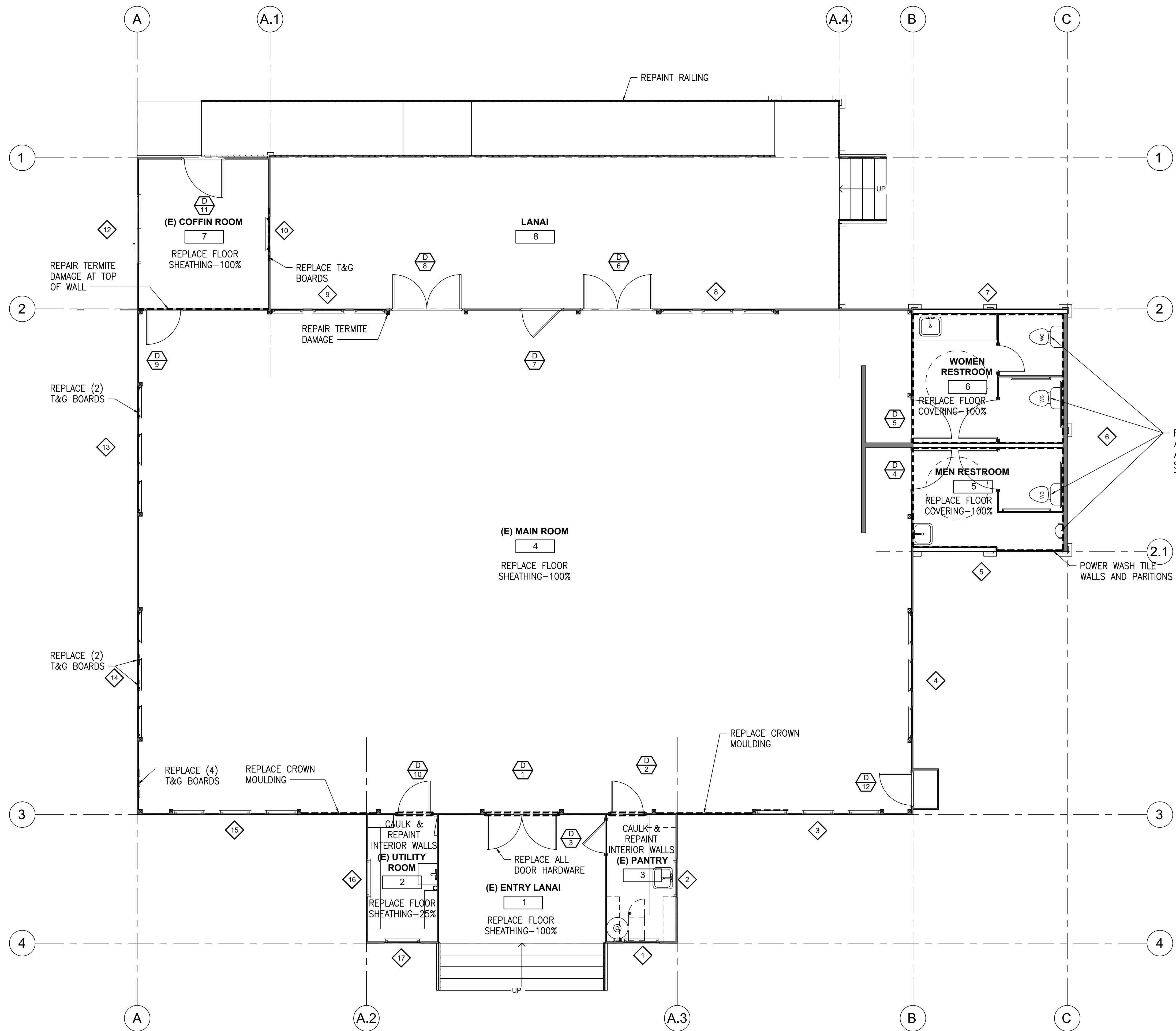
GOOD HOUSEKEEPING BMPs:

1. EROSION CONTROL MEASURES TO BE INSTALLED PRIOR TO START OF PROJECT AND BE MAINTAINED UNTIL COMPLETION OF PROJECT.
2. CONTRACTOR TO PERIODICALLY INSPECT SILT FENCE, STABILIZED CONSTRUCTION ENTRANCE, CATCH BASIN AND DRAIN INLET FILTERS ESPECIALLY DURING HEAVY RAINFALL. CONTRACTOR SHALL ALSO ENSURE DRAINAGE THROUGH FILTER MATERIAL IS MAINTAINED.
3. THE FINAL LIFT OF EACH DAY'S WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIAL.
4. THE CONTRACTOR SHALL ENSURE THAT ALL TIRES OF CONSTRUCTION VEHICLES ARE ADEQUATELY CLEANED OFF SO DIRT AND/OR DEBRIS IS NOT TRACKED OFF THE CONSTRUCTION SITE. WASHING OFF TIRES WITH WATER WILL NOT BE ACCEPTABLE UNLESS THE RUNOFF IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM OR FLOW ONTO CITY ROW.
5. AT THE END OF GRADING OPERATIONS AND AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL INSPECT ALL CATCH BASINS AND DRAIN INLETS/MANHOLES SURROUNDING THE PROJECT SITE. ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE STORM DRAIN STRUCTURES SHALL BE REMOVED. PLEASE NOTE THAT FLUSHING INTO THE DRAIN STRUCTURES IS PROHIBITED.
6. STREET SWEEPING AND VACUUMING. ALL POLLUTANTS DISCHARGED FROM A CONSTRUCTION SITE TO OFF-SITE AREAS MUST BE SWEEP OR VACUUMED EACH DAY BEFORE LEAVING THE JOB SITE.
7. DURING CONSTRUCTION, PREVENTATIVE MEASURES SHALL BE USED TO CONTROL FORESEEABLE DUST, EROSION OR SEDIMENTATION PROBLEMS WHICH MAY ARISE AS THE PROJECT PROGRESSES.
8. FUGITIVE DUST AND SOLID WASTE DISPOSAL DURING GRUBBING AND GRADING ACTIVITIES SHALL MEET REQUIREMENTS OF ADMINISTRATIVE RULES, TITLE 11, CHAPTER 60, AIR POLLUTION CONTROL AND CHAPTER 58, SOLID WASTE MANAGEMENT CONTROL.
9. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
10. MATERIALS DELIVERY, STORAGE AND USE MANAGEMENT. PREVENT, REDUCE, OR ELIMINATE THE DISCHARGE OF POLLUTANTS FROM MATERIAL DELIVERY, STORAGE, AND USE TO THE STORM WATER SYSTEM OR WATERCOURSES BY MINIMIZING THE STORAGE OF HAZARDOUS MATERIALS ONSITE, STORING MATERIALS IN A DESIGNATED AREA, INSTALLING SECONDARY CONTAINMENT. CONSTRUCTION MATERIALS, WASTE, TOXIC AND HAZARDOUS SUBSTANCES, STOCKPILES AND OTHER SOURCES OF POLLUTION SHALL NOT BE STORED IN BUFFER AREAS, NEAR AREAS OF CONCENTRATED FLOW, OR AREAS ABUTTING THE MS4, RECEIVING WATERS, OR DRAINAGE IMPROVEMENTS THAT DISCHARGE OFF-SITE. PRIMARY AND SECONDARY CONTAINMENT CONTROLS AND COVERS SHALL BE IMPLEMENTED TO THE MEP.
11. SPILL PREVENTION AND CONTROL. PROJECTS SHALL CREATE AND IMPLEMENT SPILL PREVENTION AND RESPONSE PLANS TO ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM LEAKS AND SPILLS BY REDUCING THE CHANCE FOR SPILLS, ABSORBING, CONTAINING, AND CLEANING UP SPILLS AND PROPERLY DISPOSING OF SPILL MATERIALS. AT A MINIMUM, ALL PROJECTS SHALL CLEANUP ALL LEAKS AND SPILLS IMMEDIATELY.
12. VEHICLE AND EQUIPMENT CLEANING. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT CLEANING OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, WASHING IN DESIGNATED, CONTAINED AREAS ONLY, AND ELIMINATING DISCHARGES TO THE STORM DRAIN SYSTEM BY EVAPORATING AND/OR TREATING WASH WATER, AS APPROPRIATE OR INFILTRATING WASH WATER FOR EXTERIOR CLEANING ACTIVITIES THAT USE WATER ONLY.

GOOD HOUSEKEEPING BMPs (CONT.):

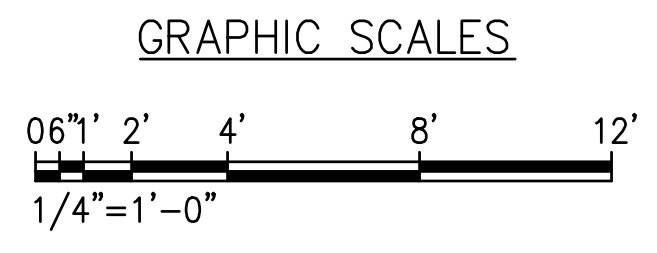
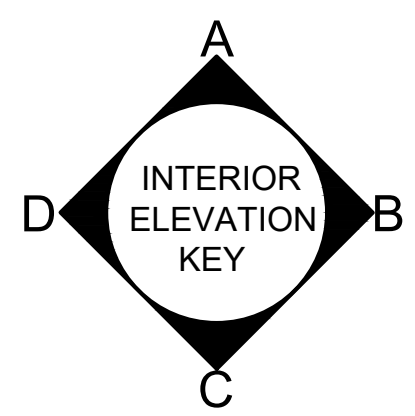
13. VEHICLE AND EQUIPMENT FUELING. PREVENT FUEL SPILLS AND LEAKS BY USING OFF-SITE FACILITIES, FUELING ONLY IN DESIGNATED AREAS, ENCLOSING OR COVERING STORED FUEL, AND IMPLEMENTING SPILL CONTROLS SUCH AS SECONDARY CONTAINMENT AND ACTIVE MEASURES USING SPILL RESPONSE KITS.
14. VEHICLE AND EQUIPMENT MAINTENANCE. ELIMINATE AND MINIMIZE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM VEHICLE AND EQUIPMENT MAINTENANCE OPERATIONS BY USING OFF-SITE FACILITIES WHEN FEASIBLE, PERFORMING WORK IN DESIGNATED AREAS ONLY, USING SPILL PADS UNDER VEHICLES AND EQUIPMENT, CHECKING FOR LEAKS AND SPILLS, AND CONTAINING AND CLEANING UP SPILLS IMMEDIATELY.
15. SOLID WASTE MANAGEMENT. PREVENT OR REDUCE DISCHARGE OF POLLUTANTS TO THE LAND, GROUNDWATER, AND IN STORM WATER FROM SOLID WASTE OR CONSTRUCTION AND DEMOLITION WASTE BY PROVIDING DESIGNATED WASTE COLLECTION AREAS, COLLECT SITE TRASH DAILY, AND ENSURING THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.
16. SANITARY/SEPTIC WASTE MANAGEMENT. TEMPORARY AND PORTABLE SANITARY AND SEPTIC WASTE SYSTEMS SHALL BE MOUNTED OR STAKED IN, WELL-MAINTAINED AND SCHEDULED FOR REGULAR WASTE DISPOSAL AND SERVICING. SOURCES OF SANITARY AND/OR SEPTIC WASTE SHALL NOT BE STORED NEAR THE DRAINAGE WAYS.
17. STOCKPILE MANAGEMENT. STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS, WITHIN 50 FEET FROM AREAS OF CONCENTRATED FLOWS, AND ARE NOT ALLOWED IN THE CITY RIGHT-OF-WAY. SEDIMENT BARRIERS OR SILT FENCES SHALL BE USED AROUND THE BASE OF ALL STOCKPILES. STOCKPILES SHALL NOT EXCEED 15 FEET IN HEIGHT. STOCKPILES GREATER THAN 15 FEET IN HEIGHT SHALL REQUIRE 8-FOOT WIDE BENCHING IN ACCORDANCE WITH ROH CHAPTER 14, ARTICLE 15. STOCKPILES MUST BE COVERED WITH PLASTIC SHEETING OR A COMPARABLE MATERIAL IF THEY WILL NOT BE ACTIVELY USED WITHIN 7 DAYS.
18. LIQUID WASTE MANAGEMENT. LIQUID WASTE SHALL BE CONTAINED IN A CONTROLLED AREA SUCH AS A HOLDING PIT, SEDIMENT BASIN, ROLL-OFF BIN, OR PORTABLE TANK OF SUFFICIENT VOLUME AND TO CONTAIN THE LIQUID WASTES GENERATED. CONTAINMENT AREAS OR DEVICES MUST BE IMPERMEABLE AND LEAK FREE AND SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS.
19. CONCRETE WASTE MANAGEMENT. PREVENT OR REDUCE THE DISCHARGE OF POLLUTANTS TO STORM WATER FROM CONCRETE WASTE BY CONDUCTING WASHOUT OFFSITE OR PERFORMING ONSITE WASHOUT IN A DESIGNATED AREA CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10-MILLIMETER POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL. CONTAINMENT AREAS OR DEVICES SHOULD NOT BE LOCATED WHERE ACCIDENTAL RELEASE OF THE CONTAINED LIQUID CAN DISCHARGE TO WATER BODIES, CHANNELS, OR STORM DRAINS. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75 PERCENT FULL. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHOULD BE BROKEN UP, REMOVED, AND DISPOSED OF AS SOLID WASTES.
20. CONTAMINATED SOIL MANAGEMENT. AT MINIMUM CONTAIN CONTAMINATED MATERIAL SOIL BY SURROUNDING WITH IMPERMEABLE LINED BERMS OR COVER EXPOSED CONTAMINATED MATERIAL WITH PLASTIC SHEETING. CONTAMINATED SOIL SHOULD BE DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

REVISION NO.	DATE	REVISIONS	BY
		DEPARTMENT OF HAWAIIAN HOME LANDS DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII T.M.K.: (2) 5-2-009:018	
EXPIRATION DATE OF LICENSE: 04/30/24 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION		ESCP NOTES DESIGNED BY: AD DRAWN BY: RSG CHECKED BY: - SUPV: - DATE: 05/04/2023	JOB NO. 23-057 SHEET C002 X OF 9 SHEETS
100 BISHOP STREET, 25TH FLOOR HONOLULU, HI 96813 TEL: 808-533-2002		HAWAII ENGINEERING GROUP, Inc. Civil & Structural Engineers	



REPAIR AND REPLACE ALL BATHROOM FIXTURES AND ACCESSORIES, SINK & COUNTERS TO REMAIN

POWER WASH TILE WALLS AND PARTITIONS



**1 FINISH FLOOR PLAN**  
A001 SCALE: 1/4" = 1'-0"

APPROVED: \_\_\_\_\_  
CHIEF, CIVIL ENGINEERING BRANCH  
DEPARTMENT OF PLANNING AND PERMITTING  
DATE \_\_\_\_\_

REVISION NO.	DATE	REVISIONS	BY

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DEPARTMENT OF HAWAIIAN HOME LANDS

DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS

MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII T.M.K.: (2) 5-2-009:018

**FINISH FLOOR PLAN**

DESIGNED BY: AD

DRAWN BY: RSG

CHECKED BY: -

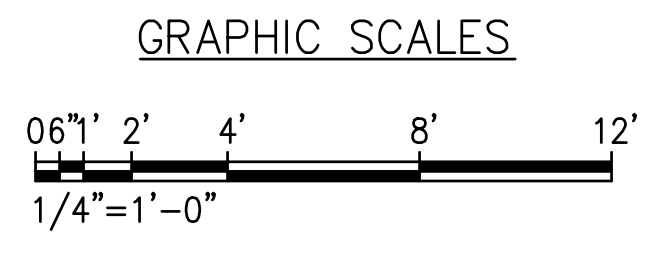
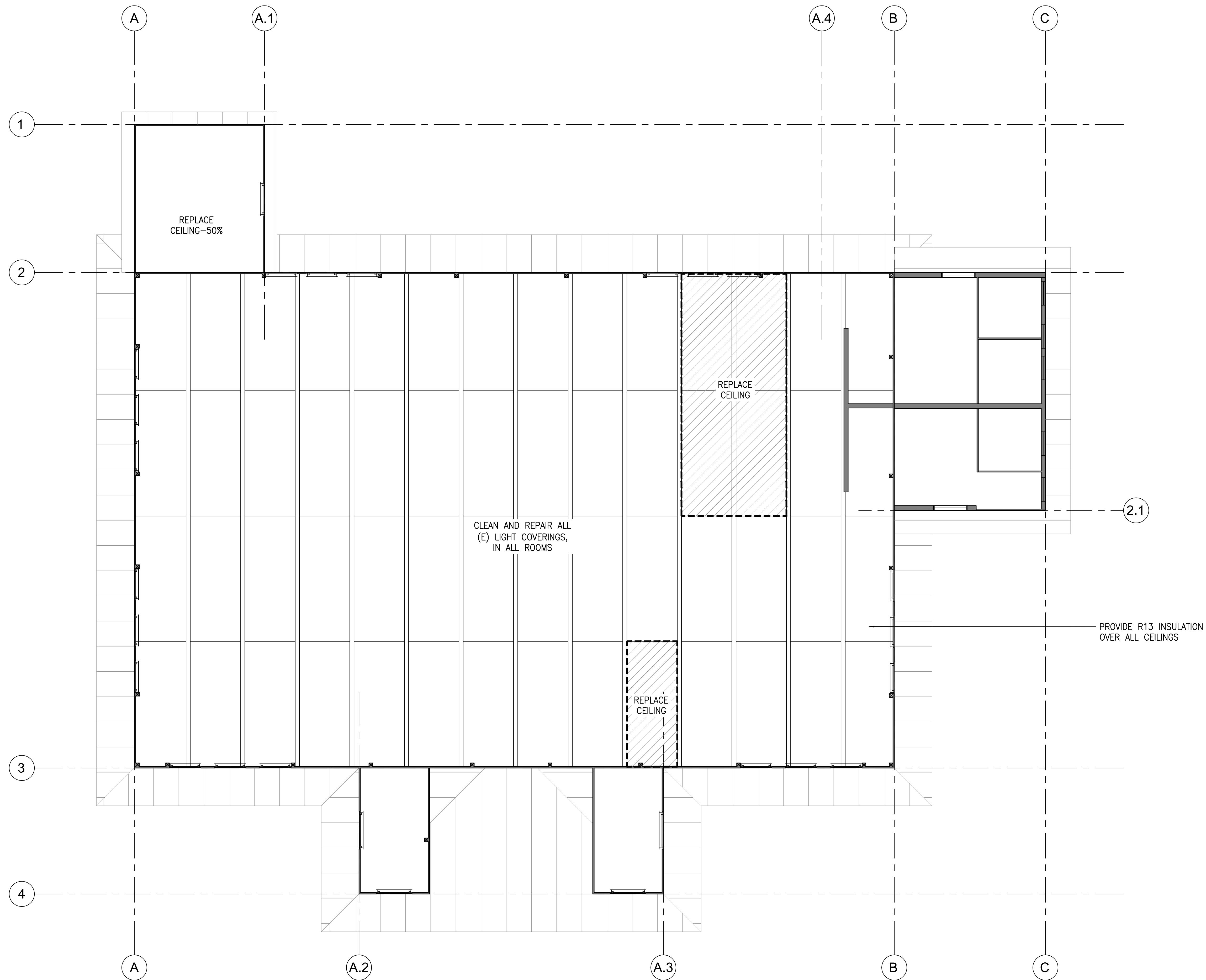
SUPV: -

DATE: 05/04/2023

JOB NO. 23-057

SHEET **A001**

3 OF 9 SHEETS



1 REFLECTED CEILING PLAN  
 A002 SCALE: 1/4" = 1'-0"

APPROVED: \_\_\_\_\_  
 CHIEF, CIVIL ENGINEERING BRANCH  
 DEPARTMENT OF PLANNING AND PERMITTING

DATE \_\_\_\_\_

REVISION NO.	DATE	REVISIONS	BY

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DEPARTMENT OF HAWAIIAN HOME LANDS

DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS

MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII T.M.K.: (2) 5-2-009:018

**REFLECTED CEILING PLAN**

DESIGNED BY: AD

DRAWN BY: RSG

CHECKED BY: -

SUPV: -

DATE: 05/04/2023

HAWAII ENGINEERING GROUP, Inc.  
 Civil & Structural Engineers

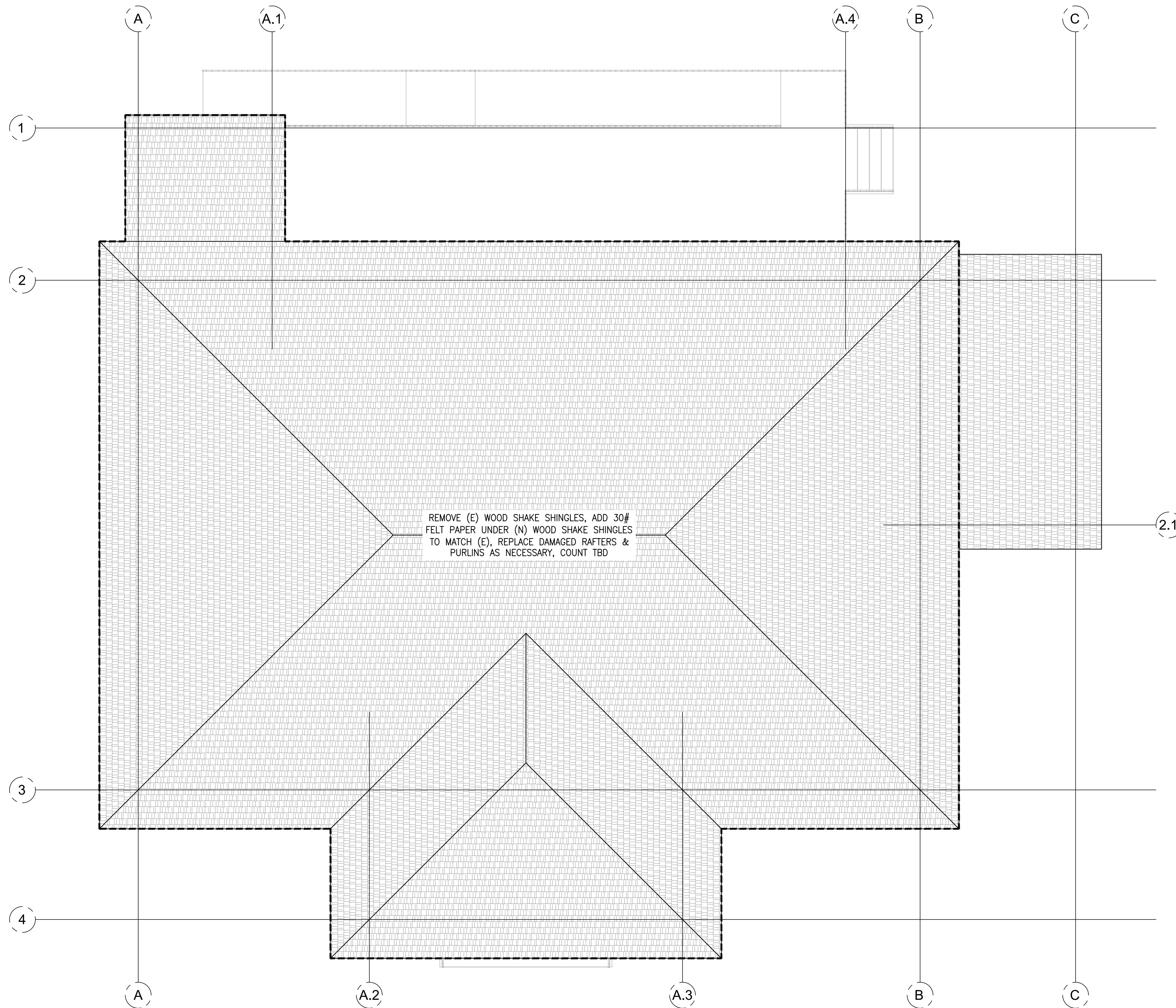
1008 BISHOP STREET, 22ND FLOOR  
 HONOLULU, HAWAII 96813  
 TEL: 808-533-2002

JOB NO. 23-057

SHEET **A002**

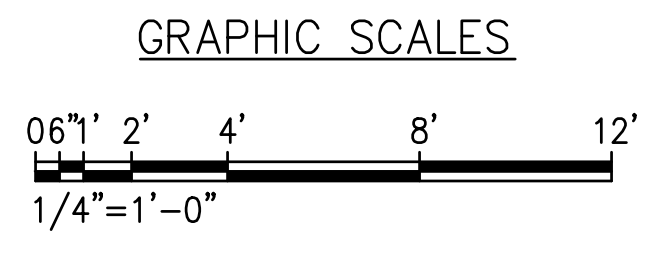
4 OF 9 SHEETS





REMOVE (E) WOOD SHAKE SHINGLES, ADD 30# FELT PAPER UNDER (N) WOOD SHAKE SHINGLES TO MATCH (E), REPLACE DAMAGED RAFTERS & PURLINS AS NECESSARY, COUNT TBD

2.1



1 ROOF PLAN  
A003 SCALE: 1/4" = 1'-0"

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DEPARTMENT OF HAWAIIAN HOME LANDS

DHHL's KALANI'ANAOLE HALL MOLOKAI REPAIRS

MAUNALOA HWY, KALAMAULA, MOLOKAI, HAWAII T.M.K.: (2) 5-2-009:018

**ROOF PLAN**

DESIGNED BY: AD

DRAWN BY: RSG

CHECKED BY: -

SUPV: -

DATE: 05/04/2023

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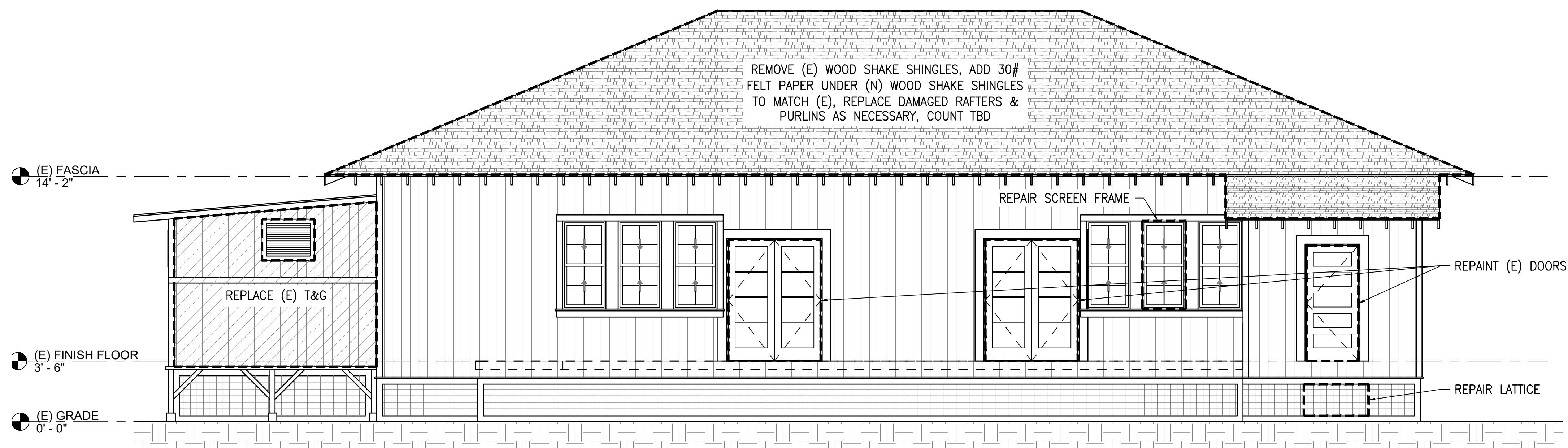
100 BISHOP STREET 25TH FLOOR  
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TEL: 808-533-2002

JOB NO. 23-057

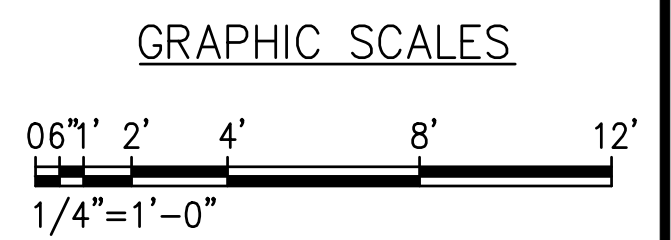
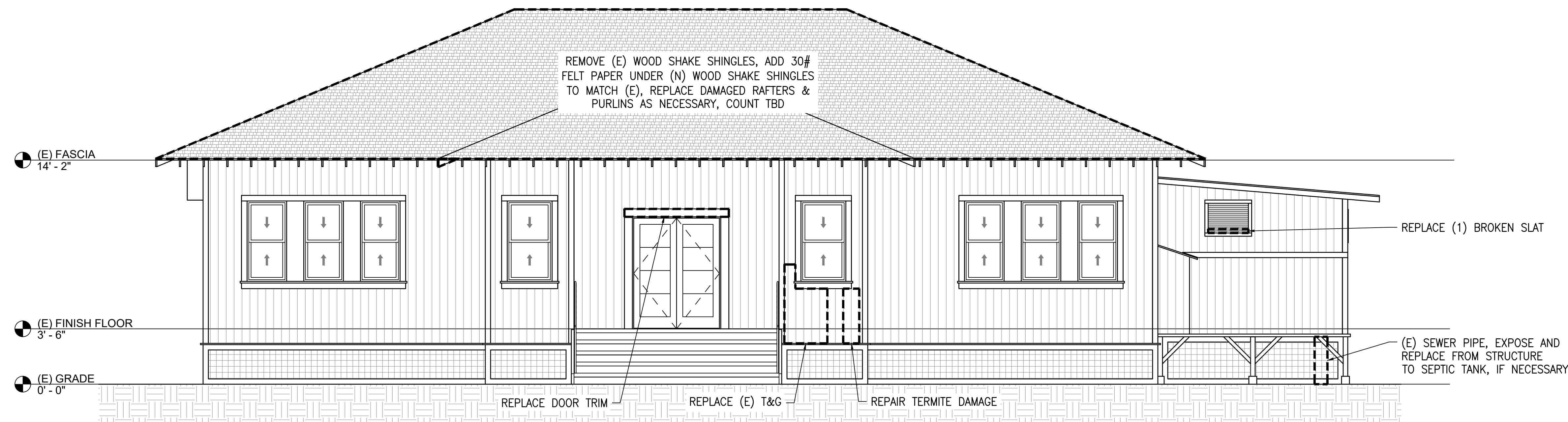
SHEET **A003**

5 OF 9 SHEETS





2 REAR ELEVATION w/o RAMP SHOWN  
 A004 SCALE: 1/4" = 1'-0"



1 FRONT ELEVATION  
 A004 SCALE: 1/4" = 1'-0"

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DEPARTMENT OF HAWAIIAN HOME LANDS

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ELEVATIONS

DESIGNED BY: AD

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DATE: 05/04/2023

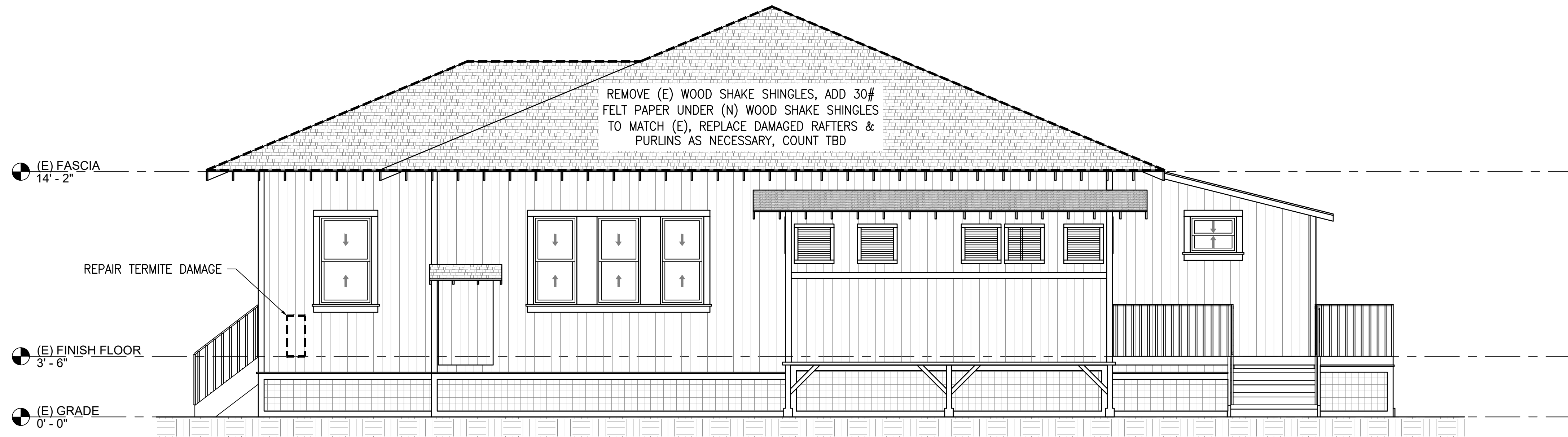
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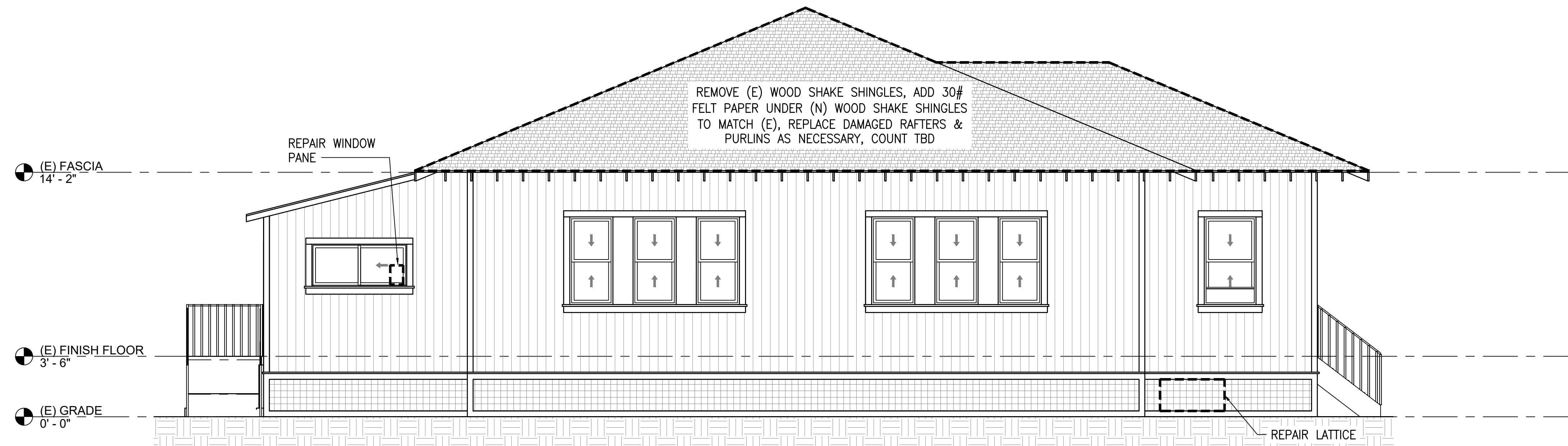
JOB NO. 23-057

SHEET A004

6 OF 9 SHEETS



2 RIGHT ELEVATION  
A005 SCALE: 1/4" = 1'-0"



1 LEFT ELEVATION  
A005 SCALE: 1/4" = 1'-0"

GRAPHIC SCALES



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	ELEVATIONS	
DESIGNED BY: AD DRAWN BY: RSG CHECKED BY: - SUPV: - DATE: 05/04/2023	HAWAII ENGINEERING GROUP, Inc. Civil & Structural Engineers 100 BISHOP STREET, 25TH FLOOR HONOLULU, HAWAII 96813 TEL: 808-533-2002	JOB NO.: 23-057 SHEET: A005 7 OF 9 SHEETS

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