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FIRE SAFETY NOTES

FIRE SAFETY NOTE:

- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS. INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER. 2018 NFPA 1.
- ENSURE FIRE ALARM SYSTEM AUDIBILITY AND VISIBILITY IS ADEQUATE THROUGH ALL OCCUPIABLE AREAS AND SPACES. THIS WILL BE THOROUGHLY CHECKED AT TIME OF FIRE ALARM ACCEPTANCE TESTING.

FIRE SAFETY DURING ALTERATION

- 1.3.6.3 REPAIRS, RENOVATIONS, ALTERATIONS, RECONSTRUCTION, CHANGE OF OCCUPANCY, AND ADDITIONS TO BUILDINGS SHALL CONFORM WITH THE BUILDING CODE.
- 2. 16.1.1 STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER.
- 3. 16.4.4.1 WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS. SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION. 2018
- 16.4.4.2 WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF THE FIRE PROTECTION SYSTEM, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND
- 16.4.4.3 WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE. 2018 NFPA 1.
- 10.8.1.1 AS NECESSARY DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE-EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE-WARNING SYSTEM SHALL BE PERMITTED TO BE MADE INOPERATIVE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN SECTIONS 13.3.3.6.5.2(4)(b), 13.7.1.4.4, 15.5.4, 34.6.3.3, 41.2.2.6, 41.2.2.7, 41.2.4, 41.3.5, 41.4.1, 34.5.4.3, and 25.1.8 AT NO COST TO THE AHJ. NFPA 1 2018, AS AMENDED.
- AHJ APPROVAL 13.1.1 THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE THAT CONSTRUCTION DOCUMENTS FOR ALL FIRE PROTECTION SYSTEMS BE SUBMITTED FOR REVIEW AND APPROVAL AND A PERMIT BE ISSUED PRIOR TO THE INSTALLATION, REHABILITATION, OR MODIFICATION. FURTHER, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE THAT FULL ACCEPTANCE TESTS OF THE SYSTEMS BE PERFORMED IN THE AHJ'S PRESENCE PRIOR TO FINAL SYSTEM CERTIFICATION. FIRE ALARM SYSTEMS; FIRE HYDRANT SYSTEMS; FIRE-EXTINGUISHING SYSTEMS; STANDPIPES; AND OTHER FIRE-PROTETION SYSTEMS AND APPURTENANCES REQUIRED BY THIS CODE SHALL BE APPROVED BY THE AHJ AS TO INSTALLATION AND LOCATION AND SHALL BE SUBJECT TO ACCEPTANCE TESTS REQUIRED BY THE APPROPRIATE COUNTY AGENCY. NFPA 1, CHAPTER 13 AS AMENDED.
- DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS 13.7.1.1 WHERE BUILDING FIRE ALARM SYSTEM OR AUTOMATIC FIRE DETECTORS ARE REQUIRED BY OTHER SECTIONS OF THIS CODE, THEY SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH NFPA 70, NFPA 72, NATIONAL FIRE ALARM CODE, AND SECTION 13.7. 2012 NFPA 1. FIRE ALARM SYSTEM INSTALLATION AND MAINTENANCE SHALL BE IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE, AND 2018 NFPA 1.
- 13.7.1.4.10.8 AUDIBILITY. AUDIBLE ALARM NOTIFICATION FROM AUDIBLE SIGNALS USED FOR OTHER PURPOSES IN A GIVEN BUILDING. 2018 NFPA 1, AMENDED. [101:9.6.3.8]
- 10. 13.7.3.2.1 APPROVAL AND ACCEPTANCE.
- 13.7.3.2.1.3 BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION, IF REQUIRED BY THE AHJ, THE INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT STATING THAT THE SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH APPROVED PLANS AND TESTED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND THE APPROPRIATE NFPA REQUIREMENTS. [72:4.5.1.2]

13.7.3.2.1.4* THE RECORD OF COMPLETION FORM, FIGURE10.18.2.1.11 OF NFPA 72 2010, SHALL BE PERMITTED TO BE A PART OF THE WRITTEN STATEMENT REQUIRED IN 13.7.3.2.1.3,4 WHEN MORE THAN ONE CONTRACTOR HAS BEEN RESPONSIBLE FOR THE INSTALLATION, EACH CONTRACTOR SHALL COMPLETE THE PORTIONS OF THE FORM FOR WHICH THAT CONTRACTOR HAD RESPONSIBILITY.

13.7.3.2.1.5 THE RECORD OF COMPLETION FORM, FIGURE 10.18.2.1.1 OF NFPA 72 2010, SHALL BE PERMITTED TO BE A PART OF THE DOCUMENTS THAT SUPPORT THE REQUIREMENTS OF 13.7.3.2.1.4. 2018 NFPA 1, AS AMENDED. [72:10.18.1.5]

ENSURE AUDIBILITY IS MET THROUGH ALL OCCUPIABLE AREAS AND SPACES. THIS WILL BE THOROUGHLY CHECKED AT TIME OF THE ALARM ACCEPTANCE TEST.

DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS 13.7.1.1 WHERE BUILDING FIRE ALARM SYSTEMS OR AUTOMATIC FIRE DETECTORS ARE REQUIRED BY OTHER SECTIONS OF THIS CODE, THEY SHALL BE PROVIDED AND INSTALLED IN PROJECT ADDRESS:

1.9.4 THIS CODE SHALL NOT BE CONSTRUED TO RELIEVE FROM OR LESSEN THE RESPONSIBILITY OF ANY PERSON OWNING, OPERATING, OR CONTROLLING ANY BUILDING OR STRUCTURE FOR ANY DAMAGES TO PERSONS OR PROPERTY CAUSED BY DEFECTS, NOR SHALL THE CODE ENFORCEMENT AGENCY OR ITS PARENT JURISDICTION BE HELD AS ASSUMING ANY SUCH LIABILITY BY REASON OF THE INSPECTIONS AUTHORIZED BY THIS CODE OR ANY PERMITS OR CERTIFICATES ISSUED UNDER THIS CODE.

1.14.4 REVIEW AND APPROVAL BY THE AHJ SHALL NOT RELIEVE THE APPLICANT OF THE RESPONSIBILITY OF COMPLIANCE WITH THIS CODE.

1.16.4.1 ANY PERSON WHO FAILS TO COMPLY WITH THE REVISIONS OF THIS CODE, FAILS TO CARRY OUT AN ORDER MADE PURSUANT TO THIS CODE, OR VIOLATES ANY CONDITION ATTACHED TO A PERMIT, APPROVAL, OR CERTIFICATE SHALL BE SUBJECT TO THE PENALTIES ESTABLISHED BY THE AHJ.

ROH - SEC - 18-5.2 RETENTION OF PLANS

ONE SET OF APPROVED PLANS, SPECIFICATIONS, AND COMPUTATIONS SHALL BE RETAINED BY THE BUILDING OFFICIAL FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM DATE OF COMPLETION OF THE WORK COVERED THEREIN, AND ONE SET OF APPROVED PLANS SHALL BE RETURNED TO THE APPLICANT, AND SAID SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN

ADA STATEMENT

CONFORMANCE WITH THE DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES ADMINISTERED BY THE DEPARTMENT OF JUSTICE OR THE FAIR HOUSING ACT ACCESSIBILITY GUIDELINES ADMINISTERED BY THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT SHALL BE EQUIVALENT TO MEETING THE ACCESSIBILITY OF THIS CODE. CONSTRUCTION OF PUBLIC BUILDINGS OR FACILITIES IN COMPLIANCE WITH HRS 103-50 SHALL BE EQUIVALENT TO MEETING THE ACCESSIBILITY OF

GENERAL NOTES

COUNTY OF HONOLULU.

- VERTICAL MEASUREMENTS ARE TAKEN TO FLOOR FINISH. CONTRACTOR SHAL BE RESPONSIBLE FOR LOCATING ITEMS RELATIVE TO THE SPECIFIED OR INTENDED FINISH SURFACES.
- 2. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH AND SAFETY AND ENVIRONMENTAL QUALITY.
- ALL CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ISSUE AND ITS AMENDMENTS OF THE BUILDING CODE OF THE CITY &
- 4. THE BIDDER(S) SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO BID SUBMITTAL. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR CLARIFICATION PRIOR TO BID SUBMITTAL.
- THE BIDDER(S) SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE PROPOSAL TO VERIFY THE EXISTING CONDITIONS AND LIMITATIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND SHALL INCLUDE IN THE PRICE A SUM TO COVER THE COST OF ITEMS NECESSARY TO PERFORM THE WORK AS SET FORTH IN THE PROPOSED CONTRACT DOCUMENTS. NO ALLOWANCE WILL BE MADE TO A BIDDER (EVENTUAL CONTRACTOR OR SUBCONTRACTOR) BECAUSE OF LACK OF SUCH EXAMINATION OR KNOWLEDGE. THE SUBMISSION OF A PROPOSAL WILL BE CONSIDERED AS CONCLUSIVE EVIDENCE THAT THE BIDDER (EVENTUAL CONTRACTOR OR SUBCONTRACTOR) HAS MADE SUCH EXAMINATION.
- THIS PROJECT TO CONFORM WITH THE UNITED STATES AMERICANS WITH DISABILITIES ACT
- THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL ELEMENTS/ITEMS DAMAGED AS A RESULT OF THE CONSTRUCTION, WHETHER OR NOT SHOWN ON THE DRAWINGS, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALL, FENCES. ALL COMMON AREAS, UNLESS OTHERWISE NOTED. THE COST OF RESTORING DAMAGED IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ACCESSIBLE DIMENSIONS SHOWN ARE MINIMUM STANDARDS. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE RANGE OF DIMENSIONS PERMITTED BY THE AMERICANS WITH DISABILITIES ACT ARCHITECTURAL GUIDELINES, FAIR HOUSING ACT, UFAS, IBC AND OTHER APPLICABLE ACCESSIBILITY CODES.
- THE CONTRACTOR TO COORDINATE AND PROVIDE CONSTRUCTION SCHEDULE, CONSTRUCTION / SAFETY BARRICADES, AND DESIGNATED STAGING AREA WITH THE UNIVERSITY AND SHALL ASSURE SAFETY OF THE PUBLIC AT ALL TIMES. ALL TEMPORARY BARRICADES SHALL COMPLY W/ ADAAG 201.3 and 206.1.
- THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF
- DEBRIS GENERATED FROM THE WORK INDICATED SHALL BE DISPOSED OF "OFF-SITE" BY THE CONTRACTOR.
- 12. THE CONTRACTOR SHALL REVIEW THE PROJECT FOR ANY LONG LEAD ITEMS AND PROVIDE SPECIAL CONSIDERATIONS TO AVOID UNNECESSARY DELAYS TO THE COMPLETION OF THE
- 13. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY UPON ENCOUNTERING ANY HAZARDOUS MATERIALS. DURING THE COURSE OF THE PROJECT. CONTRACTOR IS NOT AUTHORIZED TO HANDLE, TEST, OR REMOVE SUCH MATERIALS WITHOUT SPECIFIC AUTHORIZATION FROM THE UNIVERSITY.
- CONTRACTOR AND AUTHORIZED FIRE ALARM SUBCONTRACTOR SHALL CONDUCT TEST OF EXISTING FIRE ALARM SYSTEM PRIOR TO REMOVAL OF DEVICES. AFTER REINSTALLATION OF SAID DEVICES, CONTRACTOR AND AUTHORIZED FIRE ALARM SUBCONTRACTOR SHALL CONDUCT A FINAL TEST. BOTH TESTS SHALL BE WITNESSED BY UHM FIRE SAFETY PROGRAM STAFF.
- 15. FIRE SAFETY. STRUCTURES UNDERGOING CONSTRUCTION, ALTERCATION OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241 - STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATIONS AND DEMOLITION OPERATIONS AND CHAPTER 16.1.1, NFPA 1, 2006 EDITION.
- CONSTRUCTION KEYS: THE CONTRACTOR SHALL BE REQUIRED TO UTILIZE CONSTRUCTION KEYS FOR ALL ROOMS UNDERGOING MAJOR RENOVATION TO PREVENT UNAUTHORIZED ENTRY BY UNIVERSITY FACULTY OR STAFF. FIVE (5) KEYS SHALL BE TURNED OVER TO THE UNIVERSITY CONSTRUCTION MANAGER FOR USE.

PROJECT INFORMATION

OWNER INFORMATION: STATE OF HAWAII

614 PALAPALA DRIVE

HIGHWAYS DIVISION

614 PALAPALA DRIVE

3-8-079 : 018

OFFICE

ZONING:

ACCESSIBILITY:

INDUSTRIAL

22.441 ACRES

TOTAL PROJECT AREA:

NEW BASEYARD OFFICE:

(2007 LRDP AND PRU)

RANGE DEVELOPMENT PLAN, LRDP,

PLAN REV USE, PRU APPLICATION)

INTERIOR IMPROVEMENTS ONLY.

KAHULUI, MAUI, HAWAII 96732

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DEPARTMENT OF TRANSPORTATION

INTERIOR IMPROVEMENTS TO THE EXISTING DISTRICT BASEYARD

OFFICE. NEW METAL FRAMED DISTRICT OFFICE BUILDING.

LAND USE ORDINANCE (LUO)

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE (IBC)

EXISTING BASEYARD OFFICE: 8,588 SF (NO CHANGE)

30 FEET - (115 FT - SUPERSEDED BY 2007 LONG

NO CHANGE IN USE OR SQUARE FOOTAGE,

2010 ADA STANDARDS FOR ACCESSIBLE

2,817 SF (NO CHANGE)

MAUI COUNTY

DESIGN.

GENERAL INFORMATION

TMK:

CLASS:

LOT AREA:

FLOOR AREA INFORMATION:

HEIGHT LIMIT:

PARKING:

PROPOSED USE:

APPLICABLE CODES:

ZONING INFORMATION

DESCRIPTION:

PROJECT INFORMATION (CONT)

HAWAII

2018 INTERNATIONAL BUILDING CODE (IBC) APPLICABLE CODES: B - BUSINESS (BUSINESS AREAS = 150 GROSS). USE GROUP CLASSIFICATION:

EXISTING BASEYARD OFFICE: TYPE OF CONSTRUCTION: TYPE II-A (NO AUTOMATIC FIRE SPRINKLER) **NEW BASEYARD OFFICE:**

STORIES: **EXISTING BASEYARD OFFICE:**

SINGLE (1) EXISTING < MAXIMUM ELEVEN (5), TABLE 504.4. **NEW BASEYARD OFFICE:**

SINGLE (1) NEW < MAXIMUM ELEVEN (3), TABLE 504.4. HEIGHT ALLOWABLE (B): EXISTING BASEYARD OFFICE: 65'-0", TABLE 504.3.

NEW BASEYARD OFFICE:

NEW BASEYARD OFFICE:

18'-3" (PER AS-BUILTS) **ACTUAL HEIGHT:** EXISTING BASEYARD OFFICE: NEW BASEYARD OFFICE: 13'-3"

BUILDING AREA ALLOWABLE (B): EXISTING BASEYARD OFFICE: **NEW BASEYARD OFFICE:** 23,000 SF, TABLE 506.2 ACTUAL FLOOR AREA: **EXISTING BASEYARD OFFICE:** 8,588 SF (NO CHANGE)

FIRE PROTECTION: **EXISTING BASEYARD OFFICE:** TYPE II-A: (TABLE 601) PRIMARY STRUCTURAL FRAME: 1 (CONCRETE/STEEL)

BEARING WALLS EXTERIOR 1 (EXST CONCRETE/ CMU) 1 (EXST CONCRETE/CMU) INTERIOR: **NON-BEARING WALLS** PARTITIONS EXTERIOR: 1 (TABLE 602) PARTITIONS INTERIOR

PROJ. NO.

2022

55'-0", TABLE 504.3.

37.500 SF. TABLE 506.2

2,817 SF (NO CHANGE)

0 (METAL)

HWY-M-ART18-01

TYPE II-B (NO AUTOMATIC FIRE SPRINKLER)

FLOOR CONSTRUCTION: **ROOF CONSTRUCTION: NEW BASEYARD OFFICE:** TYPE II-A: (TABLE 601) PRIMARY STRUCTURAL FRAME: 0 (METAL) **BEARING WALLS EXTERIOR** 0 (METAL) INTERIOR: 0 (METAL) NON-BEARING WALLS

DOOR CLOSING: FIRE DOORS SHALL BE SELF-CLOSING OR

AUTOMATIC CLOSING. (716.2.6.4)

ALL - COMPLIANT VIA SPECIFIED DOOR HARDWARE CLOSERS.

FLOOR CONSTRUCTION:

ROOF CONSTRUCTION:

PARTITIONS EXTERIOR:

PARTITIONS INTERIOR:

GROUP B = NON-SPRINKLERED (TABLE 803.13) CLASS C (ROOMS AND ENCLOSED SPACES) FLAME SPREAD INDEX 76-200

SMOKE DEVELOPED INDEX 0-450. (TABLE 803.1.2) CLASS B (CORRIDORS) FLAME SPREAD INDEX 26-75

SMOKE DEVELOPED INDEX 0-450. (TABLE 803.1.2)

MEANS OF EGRESS OCCUPANCY LOAD FACTOR: **EXISTING & NEW BASEYARD OFFICE:** BUSINESS AREA = GROUP B.

OCCUPANCY LOAD CALCS. (B): OCCUPANCY LOAD = (SF PER ROOM) / (OCCUPANCY LOAD FACTOR) (TABLE 1004.5)

EXISTING BASEYARD OFFICE:

OCCUPANT LOAD = 8,588 SF /150 = **58** OCCUPANTS

NEW BASEYARD OFFICE:

OCCUPANT LOAD = 2,817 SF / 150 = **19** OCCUPANTS

EGRESS WIDTH PER OCCUPANT: EXISTING BASEYARD OFFICE: 58 OCCUPANTS X .2 = 12 INCHES

NEW BASEYARD OFFICE:

207 OCCUPANTS X .2 = 4 INCHES

PANIC & FIRE EXIT HARDWARE: **BUSINESS GROUP** ALL OCCUPANT LOAD < 50. NOT-REQUIRED

EXIT SIGNS: EXIT SIGNS REQUIRED IN ROOMS.

EXIT ACCESS (B): COMMON PATH OF EGRESS TRAVEL:

100'-0" TO DECISION POINT WITH TWO

(2) WAYS TO EXIT (CORRIDOR): DIAGONAL LENGTH OF AREA: 93'-0"

EXIT ACCESS SHALL BE PLACED A DISTANCE APART EQUAL TO NO LES

THAT ONE HALF OF DIAGONAL LENGTH.



INTERIOR FINISHES:

This work was prepared by me or under my supervision and construction

of the project will be under my

observation. Expiration date 04/30/24.

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION SYMBOLS/ LEGENDS, LIFE SAFETY PLAN,

STATE OF HAWAII

FIRE SAFETY NOTES, GENERAL NOTES, PROJECT INFORMATION

MAUI DISTRICT BASEYARD Project No. HWY-M-ART18.01

Scale: AS SHOWN Date: MAY 2022

SHEET No. T3 OF 80 SHEETS