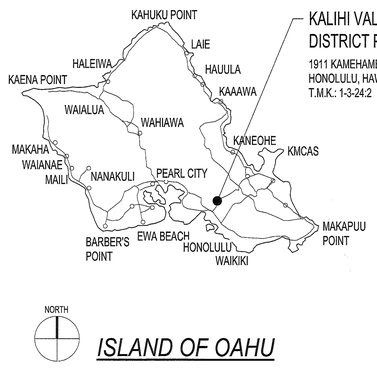
DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

KALIHI VALLEY DISTRICT PARK

GYMNASIUM ROOF IMPROVEMENTS

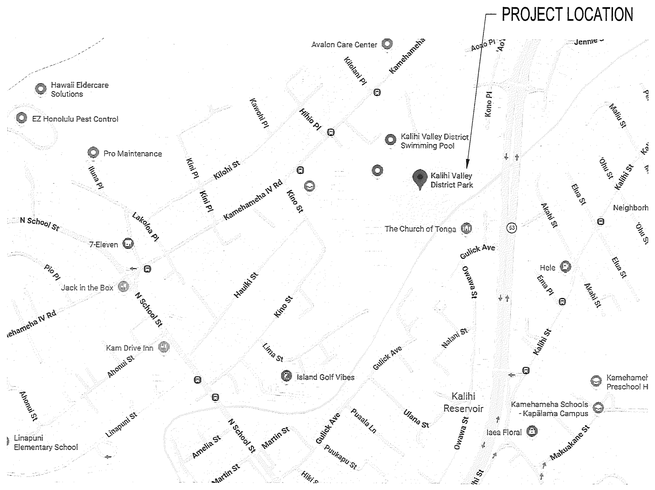
JOB NO. 27 - P - 04

ISLAND MAP



ISLAND OF OAHU

VICINITY MAP



IECC CODE BLOCK

CITY AND COUNTY OF HONOLULU
REVISED ORDINANCE OF HONOLULU 2021
CHAPTER 16B

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

__X__ Building Component Systems
_____ Electrical Component Systems
_____ Mechanical Component Systems

SIGNATURE: Kylan Kaneshiro DATE: JULY 2, 2026
NAME: KYLAN KANESHIRO
TITLE: ARCHITECT
LICENSE NO.: AR-18439

PROJECT DESIGN TEAM

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APPROVED BY:

Kelvin Du 7/28/2026
DIRECTOR, DEPARTMENT OF PARKS AND RECREATION — DATE

M. Yamamura 7/20/2026
DIRECTOR, DEPARTMENT OF DESIGN AND CONSTRUCTION — DATE

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro — April 30, 2028
Signature & Expiration Date

DESIGN BY: KK DRAWN BY: ND
CHECKED BY: KK DATE: 07/02/2026
ACCEPTED: Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

TITLE SHEET, PROJECT TEAM, IECC

PROJECT NO.: 27 - P - 04
DRAWING NO.: G-001
FILE NO. 42/A-70

GENERAL NOTES

GENERAL NOTES:

1. GENERAL CONDITIONS: GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION OF THIS PROPOSAL ARE THE CITY & COUNTY (C&C) OF HONOLULU'S GENERAL PROVISIONS FOR CONSTRUCTION PROJECTS, AS REFERENCED IN THE REVISED ORDINANCE OF HONOLULU 1990.

2. CONSTRUCTION DOCUMENTS REASONABLY DESCRIBE THE INTENT OF THE QUALITY AND SCOPE OF THE CONSTRUCTION FOR THE PROJECT. WHERE DETAILS AND NOTES ARE NOT SHOWN, THE CONTRACTOR SHALL PROCEED FOLLOWING THE ACCEPTED QUALITY STANDARDS AND PROCEDURES OF THE CONSTRUCTION INDUSTRY IN HAWAII AS WELL AS THE GENERAL INTENT OF THE CONSTRUCTION DOCUMENTS. CLARIFICATIONS MAY BE SUBMITTED TO THE OFFICER-IN-CHARGE FOR REVIEW BEFORE PROCEEDING.

3. WHERE NOT MORE SPECIFICALLY DESCRIBED, WORKMANSHIP SHALL CONFORM TO THE BEST STANDARDS AND BEST PRACTICES OF THE INDUSTRY, TRADE, OR TRADES INVOLVED, AND SHALL INCLUDE ALL ITEMS OF FABRICATION, CONSTRUCTION AND INSTALLATION REGULARLY FURNISHED OR REQUIRED FOR COMPLETION (INCLUDING ANY FINISH REQUIRED FOR SUCCESSFUL OPERATION AS INTENDED). IT SHALL BE THE GENERAL CONTRACTOR'S AND EACH SUBCONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE QUALITY OF WORKMANSHIP DESCRIBED HEREIN IS ACHIEVED. WORK SHALL BE EXECUTED BY MECHANICS SKILLED IN THEIR RESPECTIVE LINES OF WORK.

4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND QUALITY OF WORK, AND FOR THE COORDINATING AND SUPERVISION OF ALL CONSTRUCTION WORK UNDER THIS CONTRACT.

5. CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS IN THE DRAWINGS FOR DISCREPANCY. CONTRACTOR SHALL ALSO VERIFY ELEVATIONS AND CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL NOTIFY THE OFFICER-IN-CHARGE, IN WRITING, OF ANY DISCREPANCIES AND/OR CONDITION WHICH WILL PREVENT HIM FROM FULFILLING THE TERMS OF CONTRACT. CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR ALL CORRECTIONS AND REPAIRS DUE TO THEIR FAILURE TO DO SO.

6. QUANTITIES SHOWN AND/OR INDICATED IN THE CONTRACT DOCUMENTS SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR ALL QUANTITIES.

7. CONTRACTOR SHALL PROMPTLY NOTIFY THE OFFICER-IN-CHARGE, IN WRITING, OF ANY DISCREPANCIES AND/OR CONDITIONS WHICH PREVENT HIM FROM FULFILLING THE TERMS OF THE CONTRACT.

8. WHERE EXISTING CONDITIONS REQUIRE DETAILS AND/ OR SPECIFICATIONS DIFFERENT FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OFFICER-IN-CHARGE IN WRITING SO THAT ALTERNATIVE METHODS AND MATERIALS MAY BE CONSIDERED.

9. IN ADDITION TO THE ITEMS TO BE REMOVED AND/OR DEMOLISHED AS NOTED IN THESE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL REMOVE, REINSTALL, AND/OR REPAIR ALL PORTIONS OF THE EXISTING BUILDING AS REQUIRED TO FACILITATE THE COMPLETE CONSTRUCTION WORK AS SHOWN IN THESE DRAWINGS AND/OR SPECIFIED IN THE SPECIFICATIONS

10. CONTRACTOR SHALL PROVIDE ALL REQUIRED DEMOLITION REMOVAL, TEMPORARY REMOVAL AND REPLACEMENT, CUTTING, PATCHING, ETC., AS REQUIRED TO FACILITATE THE SUBJECT CONSTRUCTION WORK COMPLETE. VERIFY AND COMPARE ALL DRAWINGS (ALL DISCIPLINES) FOR THE COMPLETE SCOPE OF DEMOLITION, REMOVAL, TEMPORARY REMOVAL AND REPLACEMENT, CUTTING, PATCHING, ETC. WORK.

11. WORK INCIDENTAL TO THE CONTRACT AND NECESSARY TO COMPLETE THE PROJECT, ALTHOUGH NOT SPECIFICALLY REFERRED TO ON THE CONTRACT DOCUMENTS, SHALL BE FURNISHED AND PERFORMED AT THE CONTRACTOR'S EXPENSE.

12. ALL ITEMS AND/OR FINISHES SCHEDULED TO REMAIN, BUT DAMAGED DURING CONSTRUCTION AND OVER-PAINTED MATERIALS, SHALL BE MADE GOOD AT NO EXTRA COST TO THE CITY & COUNTY OF HONOLULU.

13. IN PERFORMING ALL WORK, THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION NECESSARY TO AVOID ANY DAMAGE TO AND IMPAIRMENT OF ANY EXISTING UTILITIES. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR RESTORE UTILITIES AT THE CONTRACTOR'S EXPENSE.

14. THE CONTRACTOR SHALL PROTECT ALL ITEMS, IN AND ABOVE GROUND WITHIN THE PROJECT SITE FROM DAMAGE. DAMAGE TO BUILDINGS, SIDEWALKS, LANDSCAPING, LAWN, HOSEBIBBS, ETC. BY THE CONTRACTOR, HIS EMPLOYEES, SUBCONTRACTORS, AND EQUIPMENT, SHALL BE REPLACED AND/OR REPAIRED AT NO EXTRA COST TO THE CITY & COUNTY OF HONOLULU.

15. CONTRACTOR SHALL PATCH ALL SURFACES EXPOSED FROM CUTTING, AND/ OR REMOVAL WORK. PATCHING SHALL MATCH THE MATERIAL AND FINISH OF THE ADJACENT SURFACES.

16. CONTRACTOR SHALL KEEP THE PROJECT SITE AND ADJACENT COMMON AREAS NEAT, TIDY AND CLEAN AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADES, TEMPORARY COVER, DUST CONTROL PARTITIONS, ETC. TO SCREEN/ PROTECT AREAS OF OPERATION AND EQUIPMENT FROM NOISE, DUST AND DAMAGE.

17. ALL WASTE MATERIALS SHALL BE PROMPTLY REMOVED AND DISPOSED OF OUTSIDE THE LIMITS OF THE CITY & COUNTY OF HONOLULU'S PROPERTY DAILY. AT THE END OF CONSTRUCTION, ALL ITEMS AND EQUIPMENT TEMPORARILY REMOVED OR RELOCATED DURING THE CONSTRUCTION PROCESS SHALL BE REINSTALLED IN THE SAME LOCATION PRIOR TO THE REMOVAL, OR IN A NEW LOCATION AS NOTED IN THE DRAWINGS, OR IN A LOCATION APPROVED BY THE OFFICER-IN-CHARGE.

18. DIMENSIONS:
    - ALL DIMENSIONS ARE TO FRAMING MEMBERS AT NEW CONDITIONS AND FINISH SURFACE AT EXISTING CONDITIONS UNLESS OTHERWISE NOTED.
    - ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE. DO NOT MEASURE DRAWINGS.
    - ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH THE WORK.
    - CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. SHOP DRAWINGS, FABRICATION OF COMPONENTS & MATERIALS SHALL BE BASED ON FIELD VERIFIED DIMENSIONS.

19. (E) MEANS EXISTING DIMENSION. CONTRACTOR SHALL VERIFY AND CONFIRM EXISTING DIMENSIONS AND NOTIFY THE OFFICER-IN-CHARGE IMMEDIATELY OF ANY DISCREPANCY.

20. "PROVIDE" SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR INTENDED USE, NEW ITEM(S), AS DETAILED OR NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.

    "RENEW" SHALL MEAN REMOVE EXISTING ITEM(S), FURNISH AND INSTALL NEW ITEM(S) TO MATCH THE ORIGINAL DESIGN (MATERIAL, THICKNESS, FINISH, COLOR, ETC.) FIELD VERIFY EXISTING CONDITIONS.

    "REPLACE" SHALL MEAN REMOVE EXISTING ITEM(S) AND PROVIDE NEW ITEM(S) AS DETAILED OR NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.

21. SURFACES/ITEMS BEING CALLED OUT TO "MATCH EXISTING" SHALL BE SUCH THAT WHEN COMPARED WITH EXISTING SURFACES/ITEMS, ITEMS INDICATED AS "MATCH EXISTING" ARE UNIFORM AND CONSISTENT IN VISUAL APPEARANCE, COLOR, AND TEXTURE.

22. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS AND CODES OF THE CITY AND COUNTY OF HONOLULU IN EFFECT, INCLUDING BUT NOT LIMITED TO: THE 2018 INTERNATIONAL BUILDING CODE AND LATEST AMENDMENTS TO THE CODE BY THE CITY AND COUNTY OF HONOLULU; FIRE DEPARTMENT REGULATIONS; UTILITY COMPANY REQUIREMENTS; AND THE BEST TRADE PRACTICES.

23. THIS PROJECT SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES IN EFFECT AS OF THE DATE OF THIS PROJECT'S SOLICITATION.

24. PERMITS: THE CONTRACTOR SHALL SECURE AND PAY FOR ANY AND ALL PERMITS OF GOVERNMENT AGENCIES AND UTILITY COMPANIES REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT.

24. PERMITS: THE CONTRACTOR SHALL SECURE AND PAY FOR ANY AND ALL PERMITS OF GOVERNMENT AGENCIES AND UTILITY COMPANIES REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT.

25. NO MATERIALS SHALL BE PLACED OR STORED IN THE EXISTING EXITS/EXISTING STAIRS (FIRE STAIRWELLS). ABSOLUTELY NO CUTTING, SANDING, GLUING OR OTHER WORK SHALL TAKE PLACE WITHIN SUCH STAIRWAYS.

26. ODORS: CONTRACTOR SHALL NOT USE CHEMICALS AND OTHER MATERIALS WHICH EMIT HAZARDOUS/NOXIOUS ODORS, SUCH AS "GOOF-OFF," JUST PRIOR TO AND DURING NORMAL BUSINESS HOURS. IF SUCH CHEMICALS MUST BE USED, THEY SHALL BE USED DURING AFTER BUILDING CLOSED HOURS, AND ALL OPEN CONTAINERS, RAGS, ETC. CONTAINING THESE CHEMICALS SHALL BE PROMPTLY REMOVED, WITH ENOUGH TIME ALLOTTED FOR SMELL TO DISSIPATE BEFORE NORMAL BUILDING OPERATION HOURS BEGIN. SUBMIT TO THE OFFICER-IN-CHARGE FOR REVIEWS, MSDS PRIOR TO USE.

27. DUST: CONTROL DUST IN WORKING AREA AND INVOLVED PORTION OF THE SITE, INCLUDING TRACKING ONTO ACCESS PATHS.

28. NOT IN CONTRACT (NIC) ITEMS: ITEMS NOTED ON DRAWINGS AND SPECIFICATIONS AS NIC ARE NOT INCLUDED AS PART OF THE CONTRACTOR'S SCOPE OF WORK. HOWEVER, THE CONTRACTOR IS REQUIRED TO COORDINATE WORK AND SCHEDULING WITH THE CITY AND/OR THE CITY'S SEPARATE CONTRACTORS, AND PROVIDE FREE ACCESS FOR NIC WORK BY THE CITY & COUNTY OF HONOLULU AND THE CITY'S SEPARATE CONTRACTORS.

29. PRESENCE OF HAZARDOUS MATERIALS (ASBESTOS CONTAINING MATERIALS, POLYCHLORINATED BIPHENYLS (PCBs) AND LEAD CONTAINING PAINT) HAVE BEEN FOUND AND ARE ANTICIPATED TO BE WITHIN THE BUILDING, IN MATERIALS ADJACENT TO THE SUBJECT WORK IN THIS CONSTRUCTION CONTRACT. HAZARDOUS MATERIAL SURVEY, DATED JULY 18, 2023, REPORTS ON THE PRESENCE OF HAZARDOUS MATERIAL AND ITS LOCATIONS IS INCLUDED IN SPECIFICATION SECTION 01715.

30. 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 CODE / FIRE SAFETY NOTES
1. FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL COMPLY WITH THE FIRE CODE (**NFPA 1 2021**) WITH APPLICABLE COUNTY AMENDMENTS.

REVISED ORDINANCE OF HONOLULU (ROH)
1. CHAPTER 18 FEES AND PERMITS FOR BUILDING, ELECTRICAL, PLUMBING AND SIDEWALK CODES;
2. SECTION 18-5.2 RETENTION OF PLANS
3. 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 THE SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS.

NFPA 1 2021
1. 1.3.6.3 REPAIRS, RENOVATIONS, ALTERATIONS, RECONSTRUCTION, CHANGE OF OCCUPANCY, AND ADDITIONS TO BUILDINGS SHALL CONFORM **TO THIS CODE, NFPA 101, AND THE BUILDING CODE.**
2. 13.7.1.9.**6** UNLESS OTHERWISE PROVIDED IN 13.7.1.9.**6**.1 THROUGH 13.7.1.9.**6**.8, NOTIFICATION SIGNALS FOR OCCUPANTS TO EVACUATE SHALL BE BY AUDIBLE AND VISIBLE SIGNALS IN ACCORDANCE WITH NFPA 72 AND ICC/ANSI A117.1, AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, OR OTHER MEANS OF NOTIFICATION ACCEPTABLE TO THE AHJ. [101:9.6.3.**6**]
3. 16.1.1 STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241 AND THIS CHAPTER.
4. (NFPA 72) 10.4.5* UNLESS OTHERWISE PERMITTED BY 10.4.**6**, IN AREAS THAT ARE NOT CONTINUOUSLY OCCUPIED, **EARLY WARNING FIRE DETECTION** SHALL BE AT THE LOCATION OF EACH CONTROL UNIT(S), **NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER(S), AND SUPERVISING STATION TRANSMITTING EQUIPMENT** TO PROVIDE NOTIFICATION OF FIRE AT THAT LOCATION **BY ONE OF THE FOLLOWING MEANS:**
   (1) **AN AUTOMATIC SMOKE DETECTOR AT THE LOCATION OF EACH CONTROL UNIT(S), NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER(S), AND SUPERVISING STATION TRANSMITTING EQUIPMENT**
   (2) AN AUTOMATIC HEAT DETECTOR WHERE AMBIENT CONDITIONS PROHIBIT INSTALLATION OF AN AUTOMATIC SMOKE DETECTOR.

FIRE SAFETY DURING DEMOLITION
1. 13.1.5.2 **(AMENDED BY C&C)** FIRE DEPARTMENT HOSE CONNECTIONS SERVING STANDPIPE AND SPRINKLER SYSTEMS SHALL BE LOCATED WITHIN 20 FEET OF A FIRE APPARATUS ACCESS ROAD, NOT LESS THAN 18 INCHES AND NOT MORE THAN 4 FEET ABOVE GRADE, OR AS APPROVED BY THE AHJ. **EACH FIRE DEPARTMENT CONNECTION SHALL BE DESIGNATED BY A SIGN WITH LETTERS AT LEAST 1 INCH IN HEIGHT.**
2. 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 ACCORDANCE WITH NFPA 70, NFPA 72, AND SECTION 13.7.
3. **16.6.1** IF A BUILDING INTENDED TO BE DEMOLISHED CONTAINS A SPRINKLER SYSTEM, SUCH SYSTEM SHALL NOT BE RENDERED INOPERATIVE WITHOUT APPROVAL OF THE AHJ.

ALTERATION OF BUILDINGS
1. 10.7.1.1 AS NECESSARY DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE-EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE-WARNING SYSTEM OR DEVICE SHALL BE PERMITTED TO BE MADE INOPERATIVE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN SECTIONS 11.8.5, 13.7.1.5.3, AND 16.**6**.4 OF NFPA 1 2021, AT NO COST TO THE AHJ.
2. 16.**5**.4.1 WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.
3. 16.**5**.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 THE FIRE DEPARTMENT SHALL BE NOTIFIED.
4. 16.**5**.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.
5. 16.**5**.4.4 THE FIRE DEPARTMENT SHALL BE NOTIFIED WHEN THE SYSTEM IS SHUT DOWN AND WHEN THE SYSTEM IS RETURNED TO SERVICE.

DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS
1. 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 ACCORDANCE WITH NFPA 70, NFPA 72, AND SECTION 13.7.
2. 13.7.1.9.**6** UNLESS OTHERWISE PROVIDED IN 13.7.1.9.**6**.1 THROUGH 13.7.1.9.**6**.8, NOTIFICATION SIGNALS FOR OCCUPANTS TO EVACUATE SHALL BE BY AUDIBLE AND VISIBLE SIGNALS IN ACCORDANCE WITH NFPA 72 AND ICC/ANSI A117.1, AMERICAN NATIONAL STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES, OR OTHER MEANS OF NOTIFICATION ACCEPTABLE TO THE AHJ. [101:9.6.3.**6**].

MANUAL FIRE ALARM BOXES
1. 13.7.1.7.3 A MANUAL FIRE ALARM BOX SHALL BE PROVIDED AS FOLLOWS, UNLESS MODIFIED BY ANOTHER SECTION OF THIS CODE:
   (1) FOR NEW ALARM SYSTEM INSTALLATIONS, THE MANUAL FIRE ALARM BOX SHALL BE LOCATED WITHIN 60 IN. (1525 MM) OF EXIT DOORWAYS.
   (2) FOR EXISTING FIRE ALARM SYSTEM INSTALLATIONS, THE MANUAL FIRE ALARM BOX EITHER SHALL BE PROVIDED IN THE NATURAL EXIT ACCESS PATH NEAR EACH REQUIRED EXIT OR WITHIN 60 IN. (1525 MM) OF EXIT DOORWAYS [101:9.6.2.3]
2. 13.7.1.7.5* ADDITIONAL MANUAL FIRE ALARM BOXES SHALL BE LOCATED SO THAT, ON ANY GIVEN FLOOR IN ANY PART OF THE BUILDING, NO HORIZONTAL DISTANCE ON THAT FLOOR EXCEEDING 200 FT (61 M) SHALL NEED TO BE TRAVERSED TO REACH A MANUAL FIRE ALARM BOX. [101:9.6.2.5]
3. 7.1.7.7* MANUAL FIRE ALARM BOXES SHALL BE ACCESSIBLE, UNOBSTRUCTED, AND VISIBLE. [101:9.6.2.7]

DEPARTMENT OF PARKS AND RECREATION (DPR) NOTES
(FOR WORK WITHIN AREAS UNDER DPR JURISDICTION):

1. ALL INDICATED ITEMS ARE NEW UNLESS OTHERWISE NOTED.

2. THE EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXTENT OF REMOVAL WORK TO PROPERLY ACCOMMODATE HIS/HER METHOD OF CONSTRUCTING NEW WORK AS REQUIRED. ADDITIONAL REMOVAL, PATCHING, AND RESTORATION REQUIRED TO ACCOMMODATE CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE NEW WORK.

3. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND OTHER SITE IMPROVEMENTS TO REMAIN. ANY DAMAGES RESULTING DIRECTLY OR INDIRECTLY FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OFFICER-IN-CHARGE AT NO ADDITIONAL COST TO THE CITY.

4. LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING NEW UTILITIES. ANY AND ALL DAMAGE SHALL BE IMMEDIATELY REPAIRED AND/OR RESTORED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR AT HIS COST. UTILITIES SHALL INCLUDE BUT NOT LIMITED TO ELECTRICAL, TELEPHONE, SEWER, WATER, IRRIGATION SYSTEMS, ETC.

5. THE CONTRACTOR SHALL NOT STORE OR PARK EQUIPMENT, VEHICLES AND/OR MATERIALS UNDER THE DRIPLINES OF EXISTING TREES OR WITHIN THE PARK OUTSIDE OF THE DESIGNATED PROJECT LIMITS. DRIVING VEHICLES OVER TREE ROOTS IS NOT PERMITTED.

6. NO TRACKED VEHICLES OR EQUIPMENT ALLOWED.

7. THE EXISTING IRRIGATION SYSTEM SHALL BE REPAIRED AND/OR RELOCATED AS SHOWN AND/OR AS NOTED ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR IRRIGATION AND WATER SYSTEMS OF THE DEPARTMENT OF PARKS AND RECREATION, CITY AND COUNTY OF HONOLULU.

8. THE CONTRACTOR SHALL BE REQUIRED TO FIELD VERIFY AND OPERATE THE EXISTING IRRIGATION, WATER AND ELECTRICAL SYSTEMS TO BECOME FAMILIAR WITH THE RESPECTIVE SYSTEMS NOT AFFECTED BY THIS PROJECT BUT WITHIN THE PROJECT LIMITS PRIOR TO THE START OF CONSTRUCTION AND DEMOLITION. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR DAMAGES ON THE EXISTING SYSTEMS PRIOR TO START OF DEMOLITION AND CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE OPERATION OF THE VARIOUS SYSTEMS WITH THE PARKS AND RECREATION DISTRICT MANAGER. HOWEVER, UPON COMMENCEMENT OF THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT, MAINTAIN AND REPAIR THE PORTION OF THE EXISTING SYSTEMS WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE CONTRACT.

9. EXISTING SPRINKLER HEADS AND QUICK CONNECT VALVES MAY BE BURIED. THE LOCATION OF EXISTING WATER AND SPRINKLER LINES, HEADS AND VALVES AS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL LOCATE, EXPOSE, AND VERIFY THESE EXISTING FACILITIES PRIOR TO COMMENCING WITH WORK.

10. THE CONTRACTOR SHALL PERFORM THE RELOCATION WORK IN SUCH A MANNER SO SHUTTING DOWN OF THE EXISTING WATER AND SPRINKLER LINES ARE KEPT TO A MINIMUM AND ADJUST SPRINKLERS TO ASSURE PROPER COVERAGE AND OPERATION.

11. THE CONTRACTOR SHALL COORDINATE ALL SPRINKLER RELOCATION WORK WITH THE PARKS MAINTENANCE AND RECREATION SERVICES DISTRICT MANAGER. THE CONTRACTOR SHALL MAINTAIN ALL AREAS AFFECTED BY HIS OPERATIONS, INCLUDING THOSE AREAS OUTSIDE HIS CONSTRUCTION AREA THAT MAY BE AFFECTED.

12. THE UNDERGROUND PIPES, CABLES OR DUCT LINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF HIS RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE UTILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTION OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.

13. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING DIMENSIONS, AS BUILT CONDITIONS, STRUCTURE, SITE IMPROVEMENTS, ETC., PRIOR TO BIDDING.

14. EXCEPT FOR PORTIONS OF THE PARK GROUNDS AND FACILITIES AFFECTED BY THIS CONTRACT, THE PARK FACILITIES WILL BE IN USE BY THE PUBLIC. THE CONTRACTOR SHALL INCLUDE MAINTAINING WATER FOR THE FACILITIES AND IRRIGATION OF THE FIELDS AND GROUNDS TO THE SATISFACTION OF THE OFFICER-IN-CHARGE AND SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. THE CONTRACTOR SHALL PROVIDE FULL COOPERATION WITH THE DEPARTMENT OF PARKS AND RECREATION TO EFFECTIVELY MAINTAIN SUCH USE OF THE PARK FACILITIES. CONTACT PARKS MAINTENANCE AND RECREATION SERVICES DISTRICT MANAGER MILES HAZAMA, FOR RECREATION DISTRICT NO. IV, AT PHONE NO. (808) 768-8984, TWO WEEKS PRIOR TO START OF WORK.

15. THE CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF OTHER CONTRACTORS WHO MAY BE EMPLOYED ON ADJACENT OR RELATED PROJECTS OF THE CITY AND AVOID UNNECESSARY DELAY OR HINDRANCE IN THE PERFORMANCE OF THEIR RESPECTIVE CONTRACTS.

16. THE CONTRACTOR SHALL NOT OBSTRUCT THE ACCESS OR PARKING LOT TRAFFIC AND SHALL MAINTAIN PUBLIC USE OF THE PARKING LOT AT ALL TIMES. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE OFFICER-IN-CHARGE TO IDENTIFY ANY EXISTING DAMAGES AND/OR DETERIORATED CONDITIONS TO THE EXISTING WALKWAYS AND PARKING LOT TO BE USED FOR THE CONSTRUCTION ACCESS. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DAMAGES IDENTIFIED BY THE OFFICER-IN-CHARGE PRIOR TO CONSTRUCTION. HOWEVER, UPON COMMENCEMENT OF THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT, MAINTAIN AND REPAIR ANY DAMAGES TO THE WALKWAYS AND PARKING LOT USED FOR THE CONSTRUCTION ACCESS.

17. FOR ALL DEPRESSIONS, LOW SPOTS, UPROOTED AREAS AND PROBLEM SPOTS AS DETERMINED BY THE OFFICER-IN-CHARGE, THE CONTRACTOR SHALL RESTORE ALL AFFECTED AREAS ACCEPTABLE TO THE OFFICER-IN-CHARGE.

18. THE CONTRACTOR SHALL RESTORE ALL DAMAGE CAUSED BY HIS OPERATIONS TO ORIGINAL CONDITION OR BETTER AT HIS OWN EXPENSE. ALL RESTORATION WORK SHALL BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF PARKS AND RECREATION STANDARDS AND ACCEPTABLE TO THE OFFICER-IN-CHARGE

19. THE CONTRACTOR SHALL REPAIR AND REFINISH SLABS, CURBS AND WALLS TO MATCH ADJACENT SURFACES WHERE EXPOSED OR DAMAGED DUE TO REMOVAL WORK OR THE CONSTRUCTION.

20. ALL PLANT MATERIALS WILL BE INSPECTED AND APPROVED BY DPR PRIOR TO DELIVERY AND BEING PLANTED AT THE JOB SITE.

21. ALL TREE RELOCATION AND TREE PRUNING (BRANCH AND ROOT) SHALL BE DONE UNDER THE DIRECT SUPERVISION OF AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ABORICULTURE. EXTENSIVE ROOT PRUNING MAY REQUIRE CROWN REDUCTION PRUNING. AT THE SOLE DISCRETION OF THE DIVISION OF URBAN FORESTRY (DUF), OF THE DEPARTMENT OF PARKS AND RECREATION, THE CONTRACTOR MAY BE REQUIRED TO HAVE A DUF REPRESENTATIVE ON SITE DURING ALL PRUNING WORK. THE CONTRACTOR SHALL NOTIFY DUF, AT 971-7151, A MINIMUM OF SEVEN DAYS PRIOR TO THE START OF WORK.

22. MAINTENANCE OF AFFECTED TREES SHALL BE FOR A MINIMUM OF 90 CALENDAR DAYS AFTER ESTABLISHMENT OF LANDSCAPING.

23. ALL AFFECTED TREES SHALL BE GUARANTEED FOR ONE YEAR. THE CONTRACTOR SHALL REPLACE WITH THE SAME SIZE AND SPECIES IF ANY TREE FAILS TO SURVIVE BY THE END OF ONE YEAR.

24. CONSTRUCTION OF IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD DETAILS OF THE DEPARTMENT OF PUBLIC WORKS (AS THEY MAY BE APPLICABLE), STANDARD DETAILS OF THE BOARD OF WATER SUPPLY, THE PARK'S STANDARD DETAILS OF THE DEPARTMENT OF PARKS AND RECREATION, AND THE PROJECT SPECIFICATIONS AS THEY MAY BE APPLICABLE.

25. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLAN AND CONSTRUCT BEST MANAGEMENT PRACTICES AS REQUIRED BY HIS OPERATIONS TO COMPLY WITH ALL LAWS, STANDARDS, RULES, AND OR POLICIES OF THE CITY, STATE OR FEDERAL REGULATORY AGENCIES. UPON ACCEPTANCE OF THE PROJECT BY THE CITY, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL BEST MANAGEMENT PRACTICES AND TO RESTORE THE PROJECT SITE TO ITS ORIGINAL CONDITIONS OR BETTER.

ROOFING NOTES:
1. ALL ROOF EDGE METAL, COPING, FASCIA, GRAVEL STOPS, SCUPPERS, GUTTER-EDGE CONDITIONS, PERIMETER EDGE SECUREMENT, AND RELATED LOW-SLOPE ROOF EDGE COMPONENTS SHALL COMPLY WITH THE CURRENT EDITION OF ANSI/SPRI ES-1 AND APPLICABLE IBC/LOCAL AMENDMENTS. CONTRACTOR SHALL SUBMIT MANUFACTURER DOCUMENTATION, SHOP DRAWINGS, FASTENING REQUIREMENTS, AND PROJECT-SPECIFIC WIND-UPLIFT INFORMATION FOR REVIEW.

2. ROOFING SYSTEM, ROOF EDGE METAL, COPING, AND RELATED PERIMETER SECUREMENT COMPONENTS SHALL BE COORDINATED WITH THE ROOFING SYSTEM MANUFACTURER AND INCLUDED IN THE ROOFING MANUFACTURER'S WARRANTY WHERE REQUIRED BY THE SPECIFICATIONS.

3. ROOFING AND ROOF-EDGE SUBMITTALS SHALL INCLUDE PROJECT-SPECIFIC WIND-UPLIFT ATTACHMENT REQUIREMENTS AND SIGNED/SEALED CALCULATIONS WHERE REQUIRED BY THE SPECIFICATIONS. CONTRACTOR SHALL PROVIDE TEMPORARY DRY-IN, NIGHT TIE-INS, AND PROTECTION OF EXPOSED ROOF AREAS DURING DEMOLITION AND INSTALLATION. ROOFING WORK SHALL BE SEQUENCED TO LIMIT EXPOSURE OF EXISTING CONSTRUCTION TO WEATHER.

4. CONTRACTOR SHALL COORDINATE COMPATIBILITY OF ROOFING, FLASHING, SEALANTS, SHEET METAL, FASTENERS, TREATED WOOD, AND ADJACENT MATERIALS WITH THE ROOFING SYSTEM MANUFACTURER BEFORE INSTALLATION.

5. CONTRACTOR SHALL FIELD VERIFY EXISTING PARAPET, FASCIA, GUTTER, SCUPPER/DOWNSPOUT, ROOF DECK, NAILER, AND ROOF-EDGE CONDITIONS BEFORE FABRICATION OF ROOF EDGE METAL AND RELATED COMPONENTS.

6. CONTRACTOR SHALL PROVIDE TAPERED INSULATION CRICKETS/SADDLES AT CURBS, PENETRATIONS, ROOF PROJECTIONS, AND OTHER OBSTRUCTIONS THAT INTERRUPT THE ROOF SLOPE OR DRAINAGE PATH. CRICKETS/SADDLES SHALL BE CONFIGURED TO DIRECT WATER AROUND OBSTRUCTIONS AND TOWARD ROOF DRAINS, SCUPPERS, OR OTHER DESIGNATED DRAINAGE POINTS, CONSISTENT WITH THE ROOFING MANUFACTURER'S REQUIREMENTS AND NRCA/IIBEC LOW-SLOPE ROOF DRAINAGE PRACTICES.

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SCOPE OF WORK

THE GENERAL SCOPE OF WORK OCCURS ON PORTIONS OF THE SECOND FLOOR LEVEL AND ROOF:

EXTERIOR
1. DEMOLISH EXISTING ROOF VENT, TPO ROOFING, TPO FLASHING AND METAL FLASHING. INSTALL NEW ROOFING SYSTEM AS NOTED IN THE DRAWINGS AND SPECIFICATIONS.
2. VENTILATION SCREEN ALONG PLAN NORTH AND SOUTH: DEMOLISH EXPANDED METAL MESH, CLEAN METAL ANGLE SUPPORTS AND REINSTALL NEW EXPANDED STAINLESS STEEL MESH.
3. DEMOLISH EXISTING 6X10 SUPPORT AND SALVAGE 3X VERTICAL SLATS. INSTALL NEW 6X10 SUPPORTS AND REINSTALL 3X SLATS. PRIME WOOD MEMBERS AND PAINT.
4. DEMOLISH METAL FASCIA PANEL ON NORTH SIDE OF BUILDING AND REPLACE WITH NEW. MATCH EXISTING PROFILE, PRIME & PAINT NEW PANEL.
5. CLEAN, PRIME AND PAINT WOOD SCREEN ALONG NORTH, EAST AND SOUTH SIDE OF BUILDING.

INTERIOR:
6. REMOVE SPRAYED ON INSULATION ON GYM METAL DECK, SCRAPE AND CLEAN METAL DECK, PRIME AND PAINT.
7. DEMOLISH EXISTING WIRED GLASS PANELS AND INSTALL NEW CLEAR POLYCARBONATE PANELS AT PHYSICAL FITNESS ROOM

FOR THE COMPLETE SCOPE OF WORK, SEE THE DRAWINGS AND SPECIFICATIONS.

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro
April 30, 2028
Signature & Expiration Date

DESIGN BY: KK
DRAWN BY: ND
CHECKED BY: KK
DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU
KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819
T.M.K.: 1-3-24:2
GENERAL NOTES, SOW

PROJECT NO.: 27 - P - 04
DRAWING NO.:
G-002
FILE NO.
42/A-70

TREE PROTECTION / PRESERVATION NOTES

1. ABBREVIATIONS LIST:

A/EC	–	ARCHITECT / ENGINEER CONSULTANT
BWS	–	BOARD OF WATER SUPPLY
DDC	–	DEPARTMENT OF DESIGN AND CONSTRUCTION
DPR	–	DEPARTMENT OF PARKS AND RECREATION
DPP	–	DEPARTMENT OF PLANNING AND PERMITTING
DUF	–	DIVISION OF URBAN FORESTRY, DPR
FLMP	–	FORMAL LANDSCAPE MAINTENANCE PERIOD
GSTUA	–	GUIDELINES AND STANDARDS FOR TREES IN URBAN AREAS
LC	–	LANDSCAPE CONTRACTOR
OIC	–	OFFICER–IN–CHARGE, DDC
PMRS	–	PARK MAINTENANCE AND RECREATION SERVICES, DPR
QA	–	QUALIFIED ARBORIST
QAA	–	QUALIFIED ARBORIST APPLICATION
TAR	–	TREE ASSESSMENT REPORT
TPZ	–	TREE PROTECTION ZONE

2. SHOULD THE PROPOSED CONSTRUCTION IMPACT PARK TREES, STREET TREES, CITY TREES, OR PRIVATE PROPERTY TREES, THE CONTRACTOR SHALL:

   A. HIRE A QA AT NO COST TO THE CITY, THE QA SHALL:

      I. SUBMIT QAA AND INCLUDE COPIES OF THEIR CURRENT ISA CERTIFIED ARBORIST AND TREE RISK ASSESSMENT QUALIFICATION CREDENTIALS TO THE ADDRESS LISTED IN 2C OR VIA EMAIL TO **DUF@HONOLULU.GOV**.
      II. OBSERVE AND SUPERVISE THE TREE ROOT AND BRANCH PRUNING WORK TO ASSURE THE WORK PERFORMED DOES NOT DESTABILIZE THE TREE AND CAUSE FAILURE OR DEMISE OF THE TREES AND RISK PERSONAL INJURY AND PROPERTY DAMAGES.
      III. IMMEDIATELY REPORT THEIR CONCERNS TO THE DUF.
      IV. BE RESPONSIBLE FOR ENSURING THAT EXISTING TREES, LANDSCAPING, AND GRASS ARE AMPLY WATERED INSIDE THE PROJECT LIMITS LINE AND OUTSIDE THE PROJECT LIMITS LINE WHERE AFFECTED BY THE CONSTRUCTION.

   B. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL:

      I. SUBMIT CURRENT PHOTOS (DO NOT INCLUDE GOOGLE STREET VIEW PHOTOS) AND/OR VIDEO TO DOCUMENT THE EXISTING SITE CONDITIONS.

         (1) NOTE DISCREPANCIES FROM THE PLANS, ITEMS BROKEN OR DAMAGED OR IN NEED OF REPAIR, ERODED AREAS, TREES AND GROUNDS. SUBMIT MARKED SET OF PLANS WITH ITEMS MARKED IN RED TO:

         URBAN FORESTRY ADMINISTRATOR
         DIVISION OF URBAN FORESTRY
         DEPARTMENT OF PARKS AND RECREATION
         3902 PAKI AVENUE, HONOLULU, HAWAII 96815.

3. CONTRACTOR SHALL SCHEDULE A PRE–MOBILIZATION MEETING:

   A. CONTACT DIVISION OF URBAN FORESTRY (DUF), VIA EMAIL AT: **DUF@HONOLULU.GOV**

      ALLOW A MINIMUM SEVEN DAYS NOTIFICATION

   B. THE MEETING ATTENDEES SHALL INCLUDE THE QA, A/EC, DDC PROJECT MANAGER, OIC, CONTRACTOR, LC, DUF, AND PMRS STAFF.

   C. THE DISCUSSION SHALL INCLUDE, BUT NOT BE LIMITED TO:

      I. TREE ASSESSMENT REPORT, IF APPLICABLE,
      II. TREE DISPOSITION PLAN, IF APPLICABLE,
      III. TREE INVENTORY PLAN, IF APPLICABLE,
      IV. THE PROPOSED CONSTRUCTION SCHEDULE IN REGARD TO:
         (1) EXPOSING OF TREE/SHRUB ROOTS
         (2) GRADING
         (3) DEMOLITION
         (4) TRENCHING
         (5) EXCAVATION WORK, TREE/SHRUB REMOVALS
         (6) TREE/SHRUB RELOCATIONS
         (7) TREE ROOT/BRANCH PRUNING
         (8) TREE PROTECTION MITIGATION MEASURES
         (9) TREE PROTECTION ZONE FENCING ALIGNMENT
         (10) INSTALLATION OF TEMPORARY CONSTRUCTION BMPS'S SUCH AS SILT FENCE, FILTER SOCK/FILTRATION TUBE, ETC.
      V. DETERMINING VEHICULAR, AND EQUIPMENT INGRESS/EGRESS ACCESS ROUTE FROM THE STREET.
      VI. VEHICLE AND EQUIPMENT TURNING RADIUSES INCLUDING 3–POINT TURNS, TREE BRANCH PRUNING FOR SCAFFOLDING AND WORK SET–UP, LOW BRANCH PRUNING AND FROND TRIMMING WORK (FOR VEHICLE VERTICAL AND HORIZONTAL CLEARANCE).
      VII. LOCATING IRRIGATION HEADS AND UTILITY VALVE BOXES
      VIII. MODIFICATIONS TO THE EXISTING IRRIGATION SYSTEM, TREE, SHRUB, AND GRASS WATERING (INSIDE AND OUTSIDE THE PROJECT LIMITS LINE).
      IX. 120–CALENDAR DAY FORMAL LANDSCAPE MAINTENANCE PERIOD (FLMP) FOR TREE CARE.
      X. 90–CALENDAR DAY MAINTENANCE PERIOD FOR GRASS, GROUND COVERS, AND SHRUBS.
      XI. IDENTIFYING PARKING AREAS FOR WORKERS (PARKING IS NOT PERMITTED UNDER TREES AND IN GRASSED AREAS).
      XII. STAGING AND STOCKPILING AREAS TO PREVENT DAMAGE TO TREE SURFACE ROOTS AND TO PROTECT THE LANDSCAPED AREAS, GRASS, AND GROUNDS FROM COMPACTION AND EROSION.
      XIII. APPRISE (DUF) AND (PMRS) OF THE HOURS OF CONSTRUCTION FOR THE PROJECT.

4. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS, INCLUDING, BUT NOT LIMITED TO:

   A. EXCAVATION PERMIT
   B. STREET USAGE PERMIT
   C. EXCEPTIONAL TREE PERMIT (DPR)
   D. TRENCHING PERMIT

5. FOR WORK ON OR IN THE VICINITY OF EXCEPTIONAL TREES OR AS DETERMINED BY DUF, THE CONTRACTOR SHALL:

   A. SUBMIT AN EXCEPTIONAL TREE PERMIT APPLICATION. REFER TO THE FOLLOWING WEBSITE: **http://www.honolulu.gov/rep/site/dpr/hbg_docs/ROH_Chapter_41a1-25.pdf**

   B. FOR TREE CROWN AND/OR ROOT PRUNING, CONTRACTOR SHALL SUBMIT AN APPLICATION FOR PRUNING. REFER TO THE FOLLOWING WEBSITE: **http://www.honolulu.gov/rep/site/dpr/hbg_docs/ET_PRUNING_PERMIT_rev_2017fillable.pdf**

   C. SUBMIT THE COMPLETED APPLICATIONS WITH ATTACHED CREDENTIALS TO:

      DUF ADMINISTRATOR
      3902 PAKI AVENUE
      HONOLULU, HAWAII 96815
      OR VIA EMAIL TO **DUF@HONOLULU.GOV**

   D. INCLUDE SUPPORTING DOCUMENTATION SUCH AS SITE MAP, PLANS, PHOTOGRAPHS, TREE ASSESSMENT REPORT, TREE DISPOSITION PLAN, IF APPLICABLE, TREE PROTECTION PLAN WITH THE APPLICATION.

6. PROHIBITED ACTIVITIES:

   A. DUMPING OF CONSTRUCTION MATERIALS, EQUIPMENT, WASTE PRODUCTS AND HAZARDOUS DEBRIS.

   B. VEHICLES STAGED, PARKED, STORED OR OPERATING WITHIN THE DRIP LINE OF THE TREES.

   C. DRIVING VEHICLES AND EQUIPMENT OVER THE TREE SURFACE ROOTS.

   D. SOIL COMPACTION AND EROSION DAMAGE OF THE GROUNDS IRRIGATION SYSTEM, TREE TRUNK, BRANCHES, ROOTS, LANDSCAPED AREAS AND GRASS.

   E. VEHICLE PARKING FOR WORKERS WITHIN THE PROJECT LIMITS LINE, GRASSED AREAS OUTSIDE THE PROJECT LIMITS LINE, STAGING AREAS, PLANTING STRIPS AND ROADWAY SHOULDERS, UNLESS OTHERWISE DETERMINED BY DUF AND PARK MAINTENANCE AND RECREATION SERVICES (PMRS) OF DESIGNATED STAFF.

7. DURING THE CONSTRUCTION PERIOD THE QA SHALL:

   A. SHALL PREPARE AN ARBORIST FIELD REPORT (INCLUDE PHOTOS) AFTER EVERY SITE VISIT AND SUBMIT TO DUF FOR REVIEW AND COMMENT IN A TIMELY MATTER.

   B. THE QA SHALL NOT SUB–CONTRACT THE WORK TO OTHER ARBORISTS WITHOUT WRITTEN APPROVAL BY DUF.

8. THE CONTRACTOR AND QA ARE RESPONSIBLE FOR:

   A. DEVELOPING A TREE WATERING SCHEDULE (WATERING DAYS, WATER USAGE, RUN TIMES, CYCLES), AND TO ENSURE THAT THE TREES AND GRASS INSIDE THE LIMITS OF WORK AND IN STAGING/STOCKPILING AREAS ARE SATISFACTORILY WATERED.

   B. ON–GOING LANDSCAPE MAINTENANCE, SUCH AS:

      I. PRUNING TREES AND HEDGES
      II. FERTILIZING, INCORPORATING SOIL AMENDMENTS.
      III. WEEDING, WATERING AND GRASS MOWING

   C. SHOULD THERE BE NO AUTOMATIC IRRIGATION SYSTEM OR IT IS DISABLED, THEN THESE AREAS ARE TO BE HAND–WATERED USING HOSES, INCLUDING AREAS OUTSIDE THE PROJECT LIMIT LINES THAT ARE AFFECTED BY THE DISABLED IRRIGATION SYSTEM.

   D. STAKING OUT THE TREE PROTECTION ZONE FENCING ALIGNMENT, IRRIGATION HEADS AND UTILITY VALVE BOXES AND ABOVE–GRADE TREE SURFACE ROOTS AND MARK WITH ORANGE–SURVEYOR'S PAINT FOR DUF REVIEW, MODIFICATION AND APPROVAL AT THE PRE–MOBILIZATION MEETING.

   E. MONITORING THE HEALTH OF THE TREES IN THE VICINITY OF THE WORK TO ASSESS THEIR POTENTIAL TO DROP LARGE BRANCHES AND/OR FAIL WHICH CAN DAMAGE THE CONSTRUCTION WORK AREA AND CAUSE BODILY INJURY TO WORKERS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:

   A. PAYING FOR ITS WATER AND ELECTRICAL USAGE FOR THE PROJECT.

   B. THE RE–GRASSING OF ALL GRASSED AREAS WITHIN THE PROJECT LIMITS LINE.

   C. RESTORATION OF DAMAGED AREA TO MATCH THE EXISTING AREAS AND FINISH GRADES.

   D. RESTORATION SHALL INCLUDE, BUT NOT BE LIMITED TO:

      I. SOIL AERATION (AERATOR EQUIPMENT).
      II. TOPSOIL.
      III. SOIL AMENDMENTS.
      IV. GRASS (SOD), SPRIGS, OR STOLONS (OR SEED).
      V. LEVEL, FINE GRADE, COMPACT WITH MECHANICAL ROLLER.
      VI. FERTILIZING
      VII. FILLING TO PROPER GRADE ALL DEPRESSIONS AND LOW SPOTS CAUSED BY THE CONTRACTOR'S OPERATIONS INCLUDING REGRASSING.
      VIII. IRRIGATION, MULCHING AND OTHER BENEFICIAL PRACTICES.
      IX. NEW GRASS TYPE SHALL MATCH THE EXISTING GRASS TYPE, UNLESS OTHERWISE DIRECTED BY OIC OR PMRS OR DESIGNATED STAFF PRIOR TO GRASS PLANTING.
      X. THE AREA TO BE RESTORED SHALL BE AERATED OR ROTOTILLED TO LOOSEN THE COMPACTION.
      XI. IF IMPORTED TOPSOIL IS REQUIRED, ROLL THE AREA TO PREVENT DEPRESSIONS AND RUTS. TOPSOIL SHALL BE PLACED NO LESS THAN ONE–HALF INCH BELOW THE TOP OF THE WALKWAYS TO PREVENT A TRIP HAZARD.
      XII. PREPARE THE AREA PRIOR TO GRASS PLANTING TO INCLUDE USE OF PRE AND POST–EMERGENT HERBICIDES.

   E. MINIMIZE ROOT CUTTING BY REROUTING THE PIPE AWAY FROM ROOTS OR SNAKE PIPE OR MICRO–TUNNEL UNDER AND/OR OVER THE TREE ROOTS FOR TRENCHING WORK INVOLVING PIPE WORK.

   F. THE CONTRACTOR AND SUB–CONTRACTORS ARE REQUIRED TO CONTINUE TO FOLLOW AND APPLY TREE PROTECTION PROTOCOLS DURING THE CONSTRUCTION WORK.

   G. INSPECTION OF ALL TREES PRIOR TO THE START OF CONSTRUCTION FOR WHITE TERNS, HAWAIIAN HOARY BATS AND OTHER THREATENED AND ENDANGERED SPECIES THAT MAY BE NESTING OR ROOSTING IN THE TREES.

   H. REPLACING GRASS THAT IS NOT READILY AVAILABLE MAY REQUIRED SAVING THE EXISTING GRASS TO BE RE–PLANTED AFTER CONSTRUCTION.

   I. INSURE THAT GRAVEL FROM THE TEMPORARY INGRESS/EGRESS CONSTRUCTION GRAVEL PAD DOES NOT SPILL ONTO GRASSED/LANDSCAPED AREAS, SIDEWALKS, WALKWAYS, DRIVEWAYS, PARKING LOT AND STREETS. CONTRACTOR SHALL BE RESPONSIBLE FOR:

      I. ANY DAMAGES TO VEHICLES.
      II. INJURIES TO PEDESTRIANS.
      III. DAMAGES TO MOWING EQUIPMENT AND INJURIES TO THE PUBLIC FROM AIRBORNE GRAVEL THROWN UP DURING MOWING.
      IV. DELAYS OR EXTENSIONS TO THE FLMP CAUSED BY GRAVEL EMBEDDED IN THE SOIL.

   J. CAREFULLY REMOVE EXISTING PAVEMENT, CURBS AND GUTTERS (IF APPLICABLE) AROUND TREES SO AS NOT TO DAMAGE THE ROOTS THAT ARE BELOW THE PAVEMENT.

      I. CONTACT DUF FOR A MEETING AT THE SITE FOR DISCUSSION PRIOR TO THE APPROVAL OF ANY DEMOLITION, GRADING, EXCAVATION, TRENCHING AND RESTORATION WORK.
      II. SHOULD THE QA BE UNABLE TO DETERMINE THROUGH VISUAL INSPECTION THE AMOUNT AND THE EXTENT OF THE ROOT SYSTEM TO BE PRUNED, DUF MAY REQUIRE THE CONTRACTOR TO USE AN AIR–WAND (AIR SPADE GUN) TO EXPOSE THE EXISTING TREE ROOTS WHEN PERFORMING EXCAVATION AND TRENCHING.

   K. FOR TRENCHING WORK, WHERE POSSIBLE, MINIMIZE ROOT CUTTING BY REROUTING THE PIPE AWAY FROM ROOTS, OR SNAKE PIPE OR MICRO–TUNNEL UNDER AND/OR OVER THE TREE ROOTS.

10. NEW TREES, REPLACEMENT TREES, RELOCATED TREES AND ROOT/BRANCH PRUNED TREES

   A. SHALL BE PRE–APPROVED AT THE NURSERY BY THE CONSULTANT'S LANDSCAPE ARCHITECT, LC, AND DUF AT LEAST TWO (2) WEEKS PRIOR TO THEIR DELIVERY TO THE PROJECT SITE. CONTACT DUF NURSERY AND LANDSCAPE SECTION VIA EMAIL AT **DUF@HONOLULU.GOV** TO SCHEDULE AN INSPECTION.

   B. DUF WILL NOT ACCEPT NEW, REPLACEMENT AND RELOCATED TREES THAT:

      I. HAVE AN UNDERDEVELOPED ROOT SYSTEM.
      II. ARE ROOT–BOUND.
      III. ARE DAMAGED DUE TO THE REMOVAL, TRANSPORT, OR INSTALLATION WORK BY THE LC, OR ITS SUBCONTRACTORS.
      IV. ARE UNHEALTHY, OR
      V. HAVE POOR STRUCTURE.

   C. FOR LANDSCAPE PLANTERS, PLANTING STRIPS AND TREE WELL PLANTINGS, DUF WILL NOT ACCEPT TREES:

      I. THAT HAVE TRUNKS WHICH ARE NOT CENTERED IN THE MIDDLE OF THE LANDSCAPE PLANTERS, PLANTING STRIP, OR TREE WELL.
      II. WHERE THE TRUNK AND/OR ROOT FLARES THAT RUB AGAINST THE TREE WELL GRATES.

   D. CONTRACTOR TO INSURE THAT THE MATURE TREE TRUNK AND CANOPY DO NOT:

      I. CONFLICT WITH OTHER TREE CANOPIES.
      II. CONFLICT WITH VEHICULAR TRAFFIC SIGHT LINES.
      III. TOUCH BUILDING FACADE, ROOF, OR AWNING.
      IV. DO NOT BLOCK STREET LIGHTING (NIGHT ILLUMINATION).

   E. TREE PLANTING:

      I. FOR FIELD STOCK TREE RELOCATIONS CONTRACTOR SHALL:
         (1) USE A WATERING PROBE TO MOVE SOIL WHILE BACKFILLING AND FILLIING AIR POCKETS
         (2) CONTINUE TO PROBE THREE TIMES A WEEK FOR TWO WEEKS OR UNTIL THE AIR POCKETS ARE FILLED WITH SOIL. BACKFILL AREAS AFTER INITIAL PROBING.
         (3) LEAVE NO HOLES AROUND THE ROOT BALL WHICH MAY DRY OUT THE EXPOSED ROOTS.
      II. FOR TREE INSTALLATIONS NEAR THE GROUND WATER TABLE, THE CONTRACTOR SHALL:
         (1) NOT EXCAVATE DOWN BELOW THE GROUND WATER TABLE
         (2) PLANT ROOT BALL SHALLOW OR ABOVE GRADE WITH A MULCH LAYER COVERING THE ENTIRE ROOT BALL.
      III. IN HIGH WIND AREAS, TREES SHALL BE INSTALLED WITH THE CANOPY SLIGHTLY LEANING INTO THE WIND.

   F. THE LC AND QA SHALL CONSULT THE HAWAII PACIFIC RISK ASSESSMENT (HPWRA) WEBSITE FOR TREES HAVING POTENTIAL TO BE INVASIVE IN THE STATE OF HAWAII. **https://dlnr.hawaii.gov/hisc/files/2019/04/2018-HPWRA-FY18-Final-Report.pdf**

   G. THE CONTRACTOR SHALL PROVIDE A 120–CALENDAR DAY FLMP WHICH SHALL INCLUDE, BUT NOT BE LIMITED TO:

      I. TREE PRUNING/PALM TRIMMING.
      II. REPAIRING STAKES, GUYS, AND TIES.
      III. CONTROLLING FOR DISEASES, INSECTS, AND PESTS.

   H. SHALL BE GUARANTEED FOR ONE YEAR

      I. FINAL ACCEPTANCE WILL BE BASED ON SUCCESSFUL COMPLETION OF THE 120–CALENDAR DAY FLMP.
      II. THE GUARANTEE PERIOD SHALL BEGIN ONLY AFTER ACCEPTANCE BY OIC, DUF, AND PMRS.
      III. THE CONTRACTOR SHALL CONTACT OIC AND DUF FOR THE COMMENCEMENT DATE OF THE ONE–YEAR TREE GUARANTEE PERIOD.

DIRECTOR, Department of Parks and Recreation — Date: 4/6/22

Revised: March 10, 2022

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro — April 30, 2026
Signature & Expiration Date

DESIGN BY: KK | DRAWN BY: ND | CHECKED BY: KK | DATE: 07/02/2026 | ACCEPTED:

Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

TREE PROTECTION ZONE NOTES

PROJECT NO.: 27 - P - 04

DRAWING NO.: G-003

FILE NO. 42/A-70

TREE PROTECTION / PRESERVATION NOTES (CONTINUE)

I. AT THE END OF THE FLMP, A FINAL INSPECTION OF THE TREES SHALL BE HELD. SHOULD THE OIC, DUF AND PMRS DETERMINE THAT ALL OR CERTAIN PORTIONS OF THE WORK ARE NOT ACCEPTABLE AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR SHALL BE REQUIRED TO:

- I. PROVIDE AN ADDITIONAL 60-DAY MAINTENANCE PERIOD AT NO COST TO THE CITY.
- II. DURING THIS PERIOD, THE CONTRACTOR SHALL MEET ALL CONTRACT REQUIREMENTS AND CORRECT ALL DEFICIENCIES.
- III. SHOULD ANY TREE SHOW DECLINING HEALTH OR FAIL TO SURVIVE THE DURATION OF THE FLMP, THE CONTRACTOR SHALL PROVIDE AND INSTALL A REPLACEMENT PLANT OF THE SAME SIZE AND SPECIES AT NO COST TO THE CITY.

J. AFTER THE SUCCESSFUL COMPLETION OF THE FLMP AND ANY EXTENSION CONTRACTOR SHALL:

- I. REMOVE THE WATERING BERMS AROUND TREES.
- II. LEVEL TO FINISH GRADE AND, IF DIRECTED BY DUF, INSTALL A FOUR-INCH THICK MULCH BLANKET.
- III. RESTORE GRASS AROUND THE TREE.

K. THE CONTRACTOR SHALL NOT BE LIABLE HOWEVER, FOR ANY TREE LOSS DUE TO THE LACK OF PROPER MAINTENANCE BY THE CITY, VANDALISM AND/OR ACCIDENT NOT CAUSED BY THE CONTRACTOR OR ITS SUBCONTRACTORS.

L. IF THE QA AND LC ARE UNABLE TO RELOCATE, PLANT NEW OR PLANT REPLACEMENT TREES AND SHRUBS WITHIN THE PARK DUE TO THE LACK OF SPACE OR UTILITY LINES, THEN THESE TREES SHALL BE PLANTED AT ONE OF THE FOLLOWING LOCATIONS AS DETERMINED BY DUF:

- I. AS STREET TREES FRONTING THE PARK.
- II. AS PARKING LOT TREES.
- III. AT A CITY-OWNED FACILITY (LOCATION DETERMINED BY DUF).
- IV. OR DELIVERED TO THE CITY TREE NURSERY.

M. PARTIAL APPROVAL FOR MULTIPLE TREE INSTALLATIONS WILL NOT BE GIVEN

11. LANDSCAPE IMPROVEMENTS, i.e. GRASS, GROUND COVERS, SHRUBS, IRRIGATION SYSTEM, GROUNDS RESTORATION AND AERATION

A. THE CONTRACTOR SHALL PROVIDE A 90-CALENDAR DAY FLMP WHICH SHALL INCLUDE, BUT NOT BE LIMITED TO:

- I. IRRIGATION MODIFICATION, WATERING
- II. SHRUB PRUNING/TRIMMING
- III. MOWING, WEEDING, SOIL AERATION (AERATOR EQUIPMENT)
- V. RE-GRASSING, FERTILIZATION, TOP-DRESSING

B. FINAL ACCEPTANCE FOR LANDSCAPE IMPROVEMENTS, i.e. GRASS, GROUND COVERS, SHRUBS, IRRIGATION SYSTEM, GROUNDS RESTORATION AND AERATION SHALL BE AFTER THE SUCCESSFUL COMPLETION OF THE 90-CALENDAR DAY FLMP AND ANY EXTENSIONS.

C. AT THE COMPLETION OF ALL PLANTING OPERATIONS:

- I. A PRE-MAINTENANCE INSPECTION SHALL BE HELD PRIOR TO START OF FLMP.
- II. PRE-MAINTENANCE INSPECTION SHALL INCLUDE OIC, A/EC, DUF, PMRS, CONTRACTOR AND LC.
- III. ISSUANCE OF THE COMMENCEMENT DATE FOR THE FLMP IS CONTINGENT UPON ACCEPTANCE OF THE CORRECTION OF ALL DEFICIENCIES AND ACCEPTANCE BY OIC, DUF AND PMRS

D. FINAL ACCEPTANCE OF GROUND COVER PLANTING AT THE END OF THE FLMP:

- I. SHALL BE CONTINGENT UPON 95% GROUND COVER COVERAGE OF THE OVERALL AREA AND LESS THAN 5% WEEDS.
- II. INDIVIDUAL BARE SPOTS SHALL NOT EXCEED ONE SQUARE FOOT IN AREA.
- III. FINAL ACCEPTANCE INSPECTION SHALL INCLUDE OIC, DUF AND PMRS.
- IV. SHOULD ANY SHRUB SHOW DECLINING HEALTH OF FAIL TO SURVIVE THE DURATION OF THE FLMP, THE CONTRACTOR SHALL PROVIDE AND INSTALL A REPLACEMENT PLANT OF THE SAME SIZE AND SPECIES AT NO COST TO THE CITY.

E. IF WORK NOT ACCEPTABLE AT THE END OF THE FLMP CONTRACTOR SHALL:

- I. PROVIDE AN ADDITIONAL 60-CALENDAR DAYS OF MAINTENANCE AT NO COST TO THE CITY.
- II. DURING THIS PERIOD, THE CONTRACTOR SHALL MEET ALL REQUIREMENTS AND CORRECT ALL DEFICIENCIES.

F. WEEDS, DEFINED AS ANY PLANT, GRASS, BROADLEAF, OR SEDGE, OTHER THAN THAT SPECIFIED IN THE DRAWINGS, SHALL NOT EXCEED AN AREA GREATER THAN 5% OF THE OVERALL GRASS AREA, NOR SHOULD THEY CONSTITUTE MORE THAN 5% OF A 1,000 SQUARE FOOT AREA.

12. DAMAGE TO THE TREES DUE TO CONTRACTOR'S EQUIPMENT:

A. IS NOT ALLOWED. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS TO MITIGATE DAMAGES.

B. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE QA OF BRANCH, ROOT AND/OR TRUNK INJURIES TO ON-SITE, OFF-SITE AND/OR PRIVATE PROPERTY TREES DUE TO THE CONSTRUCTION WORK.

C. THE QA SHALL EVALUATE THE INJURY AND NOTIFY DUF BEFORE APPLYING TREATMENT.

D. QA SHALL SUBMIT A WRITTEN REPORT OF ALL TREE INJURIES. THE REPORT SHALL INCLUDE THE TREE'S HEALTH ASSESSMENT AND TREATMENT.

E. CONTRACTOR SHALL SUBMIT THE REPORT TO DUF AND PMRS DESIGNATED STAFF.

F. UPON APPROVAL FROM DUF, THE QA SHALL HAVE THE CONTRACTOR PERFORM REMEDIAL WORK WHICH MAY INCLUDE BARK TRACING TO CLEAN THE WOUND, PROVIDE SUPPLEMENTAL WATERING, AND MONITORING AS REQUIRED.

G. THE USE OF TREE PAINT TO DRESS TREE WOUNDS IS NOT ALLOWED.

13. TREE MITIGATION MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO:

A. WRAPPING THE TREE TRUNK WITH A THICK CARPET OR PROTECTIVE RUBBER PADDING OR "TREE TRUNK SHIELD".

B. A POLYPROPYLENE FABRIC WITH BAMBOO AND PVC PIPE INSERTS TO PROTECT THE TRUNK, ROOT FLARE, AND SURFACE ROOTS.

C. TREE PROTECTION ZONE FENCING.

D. TREE PROTECTION ZONE WARNING SIGNS.

E. THICK PLYWOOD BOARDS (FULL SIZE), STEEL PLATES.

F. HEAVY DUTY GROUND PROTECTION MATS OVER AN EIGHT-INCH ORGANIC MULCH LAYER UNDER THE TREE'S DRIP LINE.

G. PROTECTION TREE WELLS.

H. PLANTING STRIPS WITH EITHER PLASTIC BARRICADES (WATER FILLABLE) OR PORTABLE METAL BARRIERS.

14. TREE ROOT/BRANCH PRUNING BY CONTRACTOR AND LC SHALL:

A. RECEIVE APPROVAL FROM DUF PRIOR TO THE START OF THE WORK.

B. NOTIFY DUF A MINIMUM OF SEVEN DAYS IN ADVANCE VIA EMAIL (SEE NOTE 4A) TO ATTEND A MEETING WITH THE QA, LC AND CONTRACTOR TO DISCUSS THE WORK.

C. BE PERFORMED UNDER THE DIRECT OBSERVATION AND SUPERVISION OF THE QA WHO WILL BE RESPONSIBLE FOR THE FOLLOWING:

- I. INSPECT THE WORK TO PROTECT THE CITY FROM LIABILITY AND POOR WORKMANSHIP.
- II. INSURE THAT THE WORK DOES NOT AFFECT THE HEALTH AND CAUSE FAILURE OR DEMISE OF THE TREE.
- III. THE QA IS REQUIRED TO BE AT THE WORK SITE AT ALL TIMES DURING WORK PERFORMED ON OR NEAR TREES TO PROTECT THE CITY FROM LIABILITY AND POOR WORKMANSHIP.
- IV. THE QA IS RESPONSIBLE TO INSURE THAT THE WORK PERFORMED DOES NOT DESTABILIZE THE TREE, AFFECT THEIR HEALTH AND/OR CAUSE FAILURE OF DEMISE OF THE TREE.
- V. CONDUCT TREE HAZARD ASSESSMENT; INSPECT TREES FOR POTENTIAL FAILURE, CHECK ENVIRONMENT THAT MAY CONTRIBUTE TO THAT FAILURE; IDENTIFY POTENTIAL TARGETS (INJURIES TO PERSONS/DAMAGE TO OBJECTS).

D. EXPOSE THE TREE ROOTS PRIOR TO THE APPROVAL OF ANY DEMOLITION, GRADING, EXCAVATION, TRENCHING AND RESTORATION WORK.

E. IF THE QA IS UNABLE TO DETERMINE THROUGH VISUAL INSPECTION THE AMOUNT AND EXTENT OF THE ROOT SYSTEM IN LIEU OF BACKHOE EQUIPMENT AND SHOVELS, DUF MAY REQUIRE USE OF AN AIR-WAND (AIR SPADE GUN) TO EXPOSE THE EXISTING TREE ROOTS.

F. USE A CHAIN SAW WHEN MAKING THE INITIAL CUTS IN ROOT PRUNING. ALL FINAL CUTS SHALL BE MADE BY USING A SHARP HAND-SAW OR APPROVED ROOT PRUNING EQUIPMENT TO ENSURE CLEAN, NON-JAGGED CUTS.

G. FOR LARGE ROOT PRUNING USING BACKHOE EQUIPMENT FOR MAKING INITIAL CUTS THE OPERATOR SHALL NOT ALIGN THE FRONT EDGE OF THE BUCKET PARALLEL TO THE TREE ROOTS TO AVOID RIPPING ROOTS. ALL FINAL CUTS SHALL BE MADE USING A SHARP HAND-SAW OR APPROVED ROOT PRUNING EQUIPMENT TO ENSURE CLEAN, NON-JAGGED CUTS.

H. EXTENSIVE ROOT PRUNING MAY REQUIRE CROWN REDUCTION PRUNING.

15. GUIDELINES AND STANDARDS FOR TREES IN URBAN AREAS (GSTUA):

A. FOR ADDITIONAL TREE PRESERVATION AND TREE PROTECTION NOTES REFER TO THE GSTUA IN THE PROJECT SPECIFICATIONS.

DEPARTMENT OF PARKS & RECREATION (DPR) NOTES:

(FOR WORK WITHIN AREAS UNDER DPR JURISDICTION)

1. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING DIMENSIONS, AS-BUILT CONDITIONS, STRUCTURES, SITE IMPROVEMENTS, ETC., PRIOR TO BIDDING.
2. ALL INDICATED ITEMS ARE NEW UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL CONTACT THE DPR DISTRICT MANAGER, PHONE NO. (808)_____ AND DPR'S DIVISION OF URBAN FORESTRY (DUF) AT **DUF@HONOLULU.GOV** TWO WEEKS PRIOR TO START OF WORK.
4. EXCEPT FOR PORTIONS OF THE PARK GROUNDS AND FACILITIES AFFECTED BY THIS CONTRACT, THE PARK FACILITIES WILL BE IN USE BY THE PUBLIC. THE CONTRACTOR SHALL PROVIDE FULL COOPERATION WITH THE DPR TO EFFECTIVELY MAINTAIN SUCH USE OF THE PARK FACILITIES.
5. THE EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXTENT OF THE REMOVAL WORK TO PROPERLY ACCOMMODATE HIS METHOD OF CONSTRUCTING NEW WORK AS REQUIRED. ADDITIONAL REMOVAL, PATCHING, AND RESTORATION REQUIRED TO ACCOMMODATE CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE NEW WORK.
6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND OTHER SITE IMPROVEMENTS TO REMAIN. ANY DAMAGES RESULTING DIRECTLY OR INDIRECTLY FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OFFICER-IN-CHARGE (OIC) AT NO ADDITIONAL COST TO THE CITY AND COUNTY OF HONOLULU (CITY).
7. LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING NEAR UTILITIES. ANY AND ALL DAMAGE SHALL BE IMMEDIATELY REPORTED TO THE PROJECT MANAGER, THEN REPAIRED, REPLACED, AND/OR ITEM(S) RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT THEIR COST. UTILITIES SHALL INCLUDE BUT NOT LIMITED TO ELECTRICAL, TELEPHONE, SEWER, WATER, IRRIGATION SYSTEMS, ETC.
8. THE UNDERGROUND PIPES, CABLES OR DUCT LINES KNOWN TO EXIST BY THE ENGINEER FROM THEIR SEARCH OF THEIR RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE UTILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHEREVER CONNECTION OF NEW UTILITIES TO THE EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.
9. NO TRACKED VEHICLES OR EQUIPMENT ALLOWED.
10. EXISTING IRRIGATION SYSTEM:

A. THE EXISTING IRRIGATION SYSTEM SHALL BE REPAIRED AND/OR RELOCATED AS SHOWN AND/OR AS NOTED ON THE PLANS AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR IRRIGATION AND WATER SYSTEMS OF THE DEPARTMENT OF PARKS AND RECREATION, CITY AND COUNTY OF HONOLULU.

B. THE CONTRACTOR SHALL VERIFY AND OPERATE THE EXISTING IRRIGATION, WATER AND ELECTRICAL SYSTEMS TO BECOME FAMILIAR WITH THE RESPECTIVE SYSTEMS NOT AFFECTED BY THIS PROJECT BUT WITHIN THE PROJECT LIMITS PRIOR TO THE START OF CONSTRUCTION AND DEMOLITION.

C. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR EXISTING DAMAGES ON THE SYSTEMS IN PLACE PRIOR TO START OF DEMOLITION AND CONSTRUCTION.

D. THE CONTRACTOR SHALL COORDINATE OPERATION OF THE VARIOUS SYSTEMS WITH THE DPR'S DISTRICT MANAGER.

E. UPON COMMENCEMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT, MAINTAIN AND REPAIR THE PORTION OF THE EXISTING SYSTEMS WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE CONTRACT.

F. THE CONTRACTOR SHALL INCLUDE MAINTAINING WATER FOR THE FACILITIES AND IRRIGATION OF THE FIELDS AND GROUNDS TO THE SATISFACTION OF THE OIC AND SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

G. THE CONTRACTOR SHALL LOCATE, EXPOSE, AND VERIFY THESE EXISTING FACILITIES PRIOR TO COMMENCING WITH THE WORK. THE EXISTING SPRINKLER HEADS AND QUICK CONNECT VALVES MAY BE BURIED. THE LOCATION OF THE EXISTING WATER AND SPRINKLER LINES, HEADS AND VALVES AS SHOWN ARE APPROXIMATE ONLY.

H. THE CONTRACTOR SHALL PERFORM THE RELOCATION WORK IN SUCH A MANNER SO THAT SHUTTING DOWN OF THE EXISTING WATER AND SPRINKLER LINES ARE KEPT TO A MINIMUM AND ADJUST SPRINKLERS TO ASSURE PROPER COVERAGE AND OPERATION.

I. THE CONTRACTOR SHALL COORDINATE ALL SPRINKLER RELOCATION WORK WITH DPR'S PARK MAINTENANCE AND RECREATION SERVICES (PMRS) DISTRICT MANAGER.

J. THE CONTRACTOR SHALL MAINTAIN ALL AREAS AFFECTED BY THEIR OPERATIONS, INCLUDING THOSE AREAS OUTSIDE THEIR CONSTRUCTION AREA THAT MAY BE AFFECTED.

11. THE CONTRACTOR SHALL COORDINATE THEIR OPERATIONS WITH THOSE OF OTHER CONTRACTORS WHO MAY BE EMPLOYED ON ADJACENT OR RELATED PROJECTS OF THE CITY AND AVOID UNNECESSARY DELAY OR HINDRANCE IN THE PERFORMANCE OF THEIR RESPECTIVE CONTRACTS.
12. THE CONTRACTOR SHALL NOT OBSTRUCT THE ACCESS OR PARKING LOT TRAFFIC AND SHALL MAINTAIN PUBLIC USE OF THE PARKING LOT AT ALL TIMES.
13. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE OIC TO IDENTIFY ANY EXISTING DAMAGES AND/OR DETERIORATED CONDITIONS TO THE EXISTING TREES, GRASS, LANDSCAPING, WALKWAYS AND PARKING LOT TO BE USED FOR THE CONSTRUCTION ACCESS. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DAMAGES IDENTIFIED BY THE OIC PRIOR TO CONSTRUCTION.
14. UPON COMMENCEMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT, MAINTAIN, AND REPAIR ANY DAMAGES TO THE WALKWAYS AND PARKING LOT USED FOR THE CONSTRUCTION ACCESS.
15. FOR THE DURATION OF THE CONSTRUCTION WORK, THE CONTRACTOR SHALL BE REQUIRED TO WATER THE TREES, GRASS, AND LANDSCAPING THAT IS AFFECTED BY THE CONSTRUCTION WORK INCLUDING ANY IRRIGATION SYSTEM THAT EXTENDS OUTSIDE OF THE PROJECT LIMITS. THE CONTRACTOR SHALL PAY FOR ALL WATER USAGE FOR THIS.
16. FOR ALL DEPRESSIONS, LOW SPOTS, UPROOTED AREAS AND PROBLEM SPOTS AS DETERMINED BY DPR'S PMRS, THE CONTRACTOR SHALL RESTORE ALL AFFECTED AREAS ACCEPTABLE TO PMRS.
17. THE CONTRACTOR SHALL RESTORE ALL DAMAGE CAUSED BY THEIR OPERATIONS TO ORIGINAL CONDITION OR BETTER AT THEIR OWN EXPENSE. ALL RESTORATION WORK SHALL BE DONE IN ACCORDANCE WITH THE DPR STANDARDS AND ACCEPTABLE TO THE OIC.
18. THE CONTRACTOR SHALL REPAIR AND REFINISH SLABS, CURBS AND WALLS TO MATCH ADJACENT SURFACES WHERE EXPOSED OR DAMAGED DUE TO REMOVAL WORK OR THE CONSTRUCTION.
19. THE CONSTRUCTION OF IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD DETAILS OF THE DEPARTMENT OF FACILITY MAINTENANCE (AS THEY MAY BE APPLICABLE), STANDARD DETAILS OF THE BOARD OF WATER SUPPLY, THE PARKS STANDARD DETAILS OF THE DEPARTMENT OF PARKS AND RECREATION, AND THE PROJECT SPECIFICATIONS AS THEY MAY BE APPLICABLE.
20. THE CONTRACTOR SHALL CONSULT WITH THE DPR TO ENSURE THAT FIXTURES ARE CONSISTENT WITH DPR SUPPLIES, FOR EASE OF MAINTENANCE AND REPLACEMENT.

DIRECTOR, Department of Parks and Recreation — Date: 4/6/22

Revised: March 10, 2022

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro — April 30, 2026
Signature & Expiration Date

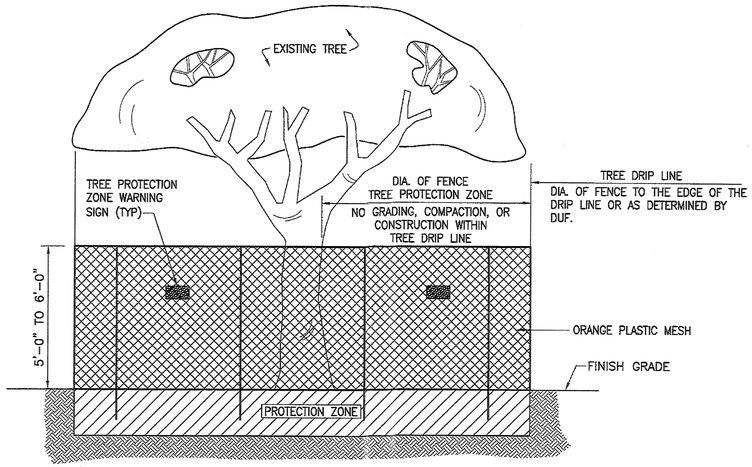
DESIGN BY: KK DRAWN BY: ND
CHECKED BY: KK DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819
T.M.K.: 1-3-24:2

TREE PROTECTION ZONE NOTES

PROJECT NO.: 27 - P - 04
DRAWING NO.: G-004
FILE NO. 42/A-70



TREE PROTECTION ZONE FENCE NOTES:

1. FOR TREES THAT ARE IN NARROW PLANTING STRIPS, THE ENTIRE PLANTING STRIP SHALL BE ENCLOSED.
2. FOR TREE WELLS AND SMALL PLANTER AREAS THAT ARE FULL OF ROOTS, USE PLASTIC TRAFFIC BARRICADES (WATER FILLABLE) MINIMUM (3) EACH, OR TYPE 1 OR TYPE 2 BARRICADES, MINIMUM (4) EACH OR AS DETERMINED BY DUF.
3. TREE WILL REQUIRE SUPPLEMENTAL WATERING.
4. IF THE FENCE IS INSIDE THE DRIP LINE, PLYWOOD BOARDS OR STEEL PLATES OR HEAVY DUTY GROUND PROTECTION MATS OVER AN 8" MULCH LAYER WILL BE REQUIRED TO PROTECT THE TREE ROOTS AND CONSTRUCTION EQUIPMENT VEHICLES.
5. 2" GALVANIZED IRON POSTS, DRIVEN INTO THE GROUND TO MIN. 24" DEPTH, AT NO MORE THAN 10' SPACING.
6. THE GENERAL CONTRACTOR SHALL SCHEDULE AN ON SITE MEETING WITH THE DIVISION OF URBAN FORESTRY AT (808) 971-7151. DISCUSS THE INSTALLATION AND LAYOUT OF THE TREE PROTECTION FENCING.
7. AVOID DAMAGING ROOTS DURING FENCE POST INSTALLATION.

TREE PROTECTION DETAIL
NOT TO SCALE

WARNING

TREE PROTECTION ZONE

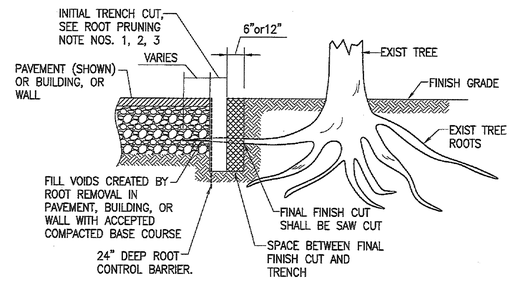
THIS FENCE AND SIGN SHALL NOT BE REMOVED WITHOUT APPROVAL
FROM THE DIVISION OF URBAN FORESTRY
PHONE: (808) 971-7151

CITY AND COUNTY OF HONOLULU, DEPARTMENT OF PARKS AND RECREATION

SIGN NOTES:

1. MINIMUM SIZE OF SIGN: 8 1/2"x11"
2. SECURELY FASTEN TO FENCE
3. HANG MORE THAN ONE SIGN FOR VISIBILITY PURPOSES IF NEEDED AND AS INDICATED.
4. SIGN TO BE MADE OF WEATHERPROOF MATERIAL
5. AVOID DAMAGING TREE ROOTS DURING FENCE POST INSTALLATION

TREE PROTECTION SIGN DETAIL
NOT TO SCALE



NOTES:

1. ALL RELOCATION SHALL BE DONE UNDER THE SUPERVISION OF A QUALIFIED ARBORIST PER SPECIFICATIONS.
2. TRUNK DIAMETER OF THE TREE IS MEASURED AT 54 INCHES FROM EXISTING GROUND LEVEL.
3. THE QUALIFIED ARBORIST AND DUF/DPR SHALL DETERMINE THE AMOUNT OF THE TREE CANOPY PRUNING AFTER ROOT PRUNING.
4. WORK TO BE DONE UNDER THE DIRECT SUPERVISION OF A QUALIFIED ARBORIST.
5. REMOVE AND DISPOSE OF PRUNED ROOTS AND BRANCHES.

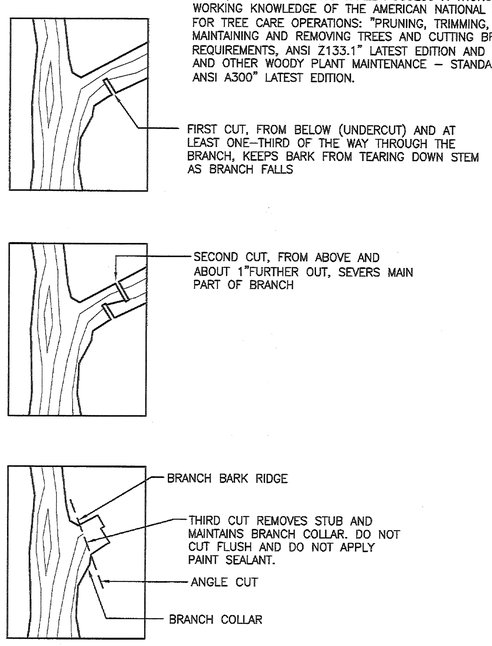
ROOT PRUNING DETAIL
NOT TO SCALE

ROOT PRUNING NOTES:

1. MAKE INITIAL TRENCH CUTS 6" BEYOND THE FINAL FINISH CUT WHEN USING A TRENCHER.
2. MAKE INITIAL TRENCH CUTS 12" BEYOND THE FINAL FINISH CUTS AND AVOID RIPPING ROOTS WHEN USING A BACKHOE AND/OR EXCAVATOR.
3. BACKFILL TRENCH WITH NATIVE SOIL DUG FROM THE TRENCH AND COMPACT ALL VOIDS TO MATCH EXISTING FINISH GRADE, AND SEED, SPRIG OR SOD WITH GRASS AS SPECIFIED.
4. WHEN USING BACKHOE EQUIPMENT FOR INITIAL CUTS, USE THE FRONT EDGE OF THE BUCKET PARALLEL TO THE TREE ROOTS (TRANSVERSE DIRECTION TO RADIATING ROOTS) TO SEVER THE TREE ROOTS TO AVOID RIPPING THE ROOTS.
5. HAND EXCAVATE AROUND ROOTS TO THE SIZE OF DESIRED ROOTBALL AND THEN PRUNE OFF PROTRUDING ROOTS BY HAND SAW OR CHAIN SAW.
6. ALL FINAL FINISH CUTS SHALL BE MADE USING A SHARP HAND SAW OR APPROVED ROOT PRUNING EQUIPMENT TO ENSURE CLEAN, NON-JAGGED CUTS.
7. WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A QUALIFIED ARBORIST.
8. THE QUALIFIED ARBORIST AND THE DIVISION OF URBAN FORESTRY, DEPARTMENT OF PARKS & RECREATION STAFF SHALL DETERMINE THE AMOUNT OF THE TREE CANOPY THAT SHALL BE PRUNED AFTER ROOT PRUNING.
9. ALL PRUNED ROOTS AND BRANCHES SHALL BE REMOVED AND DISPOSED OF.
10. WHEN EXCAVATING ROOTS, DO NOT DAMAGE OR STRIP OUTER LAYER OF ROOT TISSUE.

NOTE:

THE QUALIFIED ARBORIST SHALL POSSESS A THOROUGH WORKING KNOWLEDGE OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS: "PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES AND CUTTING BRUSH SAFETY REQUIREMENTS, ANSI Z133.1" LATEST EDITION AND "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE – STANDARD PRACTICES, ANSI A300" LATEST EDITION.



LARGE BRANCH PRUNING DETAIL
NOT TO SCALE

DIRECTOR, Department of Parks and Recreation — Date: 4/6/22

Revised: March 10, 2022

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro — Digitally signed by Kylan Kaneshiro; DN: c=US, o=State of Hawaii, ou=Department of Accounting and General Services, cn=Kylan Kaneshiro, email=kylan.kaneshiro@dags.hawaii.gov; Date: 2026.02.27 14:28:20 -10'00'

April 30, 2028
Signature & Expiration Date

DESIGN BY: KK | DRAWN BY: ND | CHECKED BY: KK | DATE: 07/02/2026 | ACCEPTED:

Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

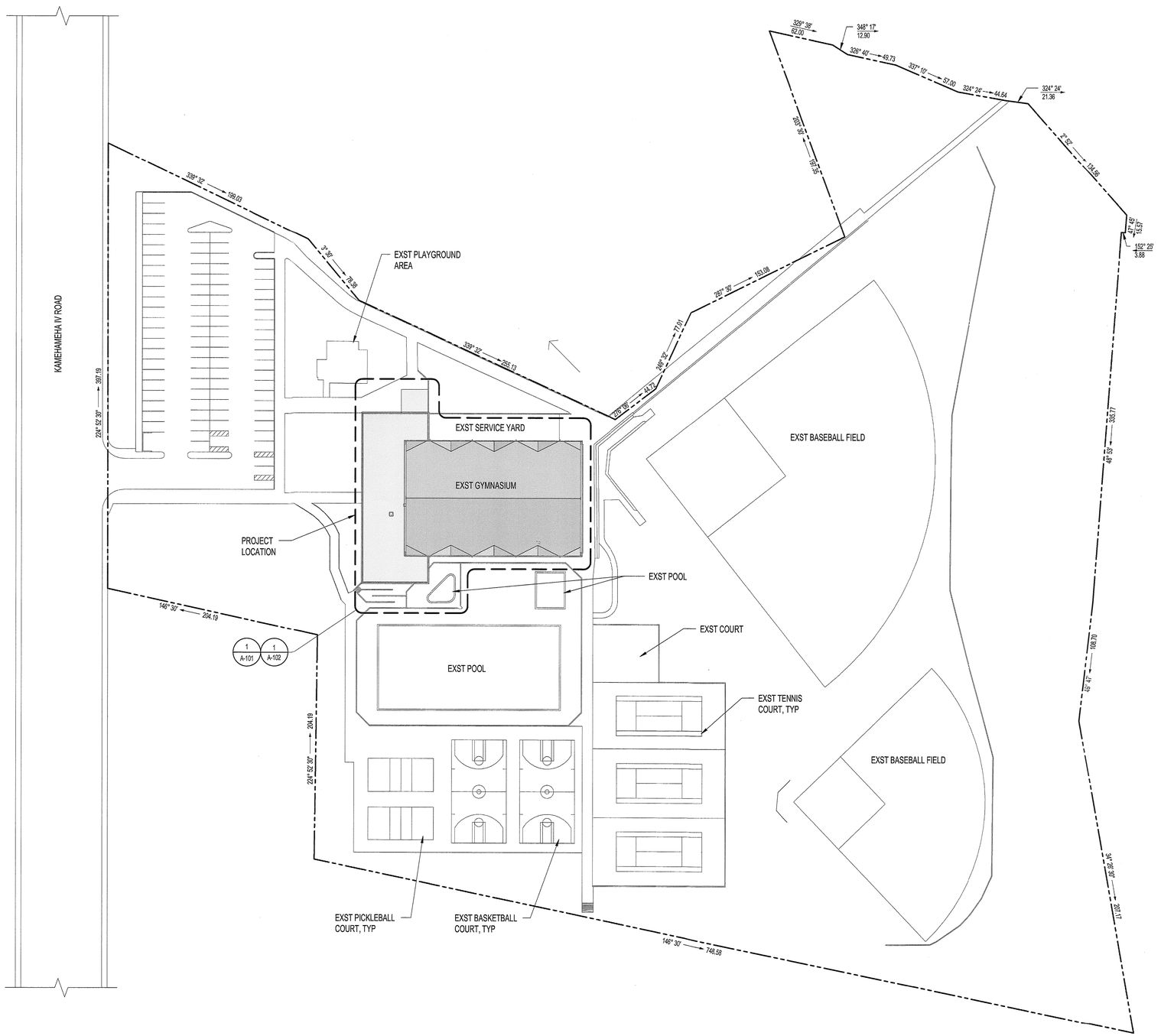
T.M.K.: 1-3-24:2

TREE PROTECTION ZONE NOTES

PROJECT NO.: 27 - P - 04

DRAWING NO.: G-005

FILE NO. 42/A-70



PROPERTY INFORMATION:

OWNER:
CITY AND COUNTY OF HONOLULU
PHONE:
(808) 768-3003

LAND USE ORDINANCE INFORMATION

ZONING DATA

1. PROJECT INFORMATION:

A.	PROJECT LOCATION	KALIHI VALLEY DISTRICT PARK 1911 KAMEHAMEHA IV ROAD HONOLULU, HAWAII 96816
B.	TAX MAP KEY:	1-3-024:002
C.	LOT AREA	382,326 SF (8.777 ACRES)
D.	ZONING:	P-2 GENERAL PRESERVATION
E.	FLOOD ZONE:	X - BEYOND 500 YEAR FLOOD PLAIN
F.	HEIGHT LIMIT:	25'
G.	HISTORICAL REGISTER:	NONE
H.	LOT RESTRICTIONS:	NONE.
I.	SMA/SHORELINE:	NOT IN SMA
J.	SPECIAL DISTRICT:	NOT IN SPECIAL DISTRICT
K.	STATE LAND USE	URBAN DISTRICT
L.	STREET SETBACK:	NONE

2. EXISTING BUILDING CODE DATA

A.	USE OCCUPANCY:	A-3, A-5 (NO CHANGE)
B.	CONSTRUCTION TYPE:	V-B (NON-SPRINKLERED); (NO CHANGE)
C.	EXISTING FLOOR AREA:	37,358 SF (NO CHANGE)

CODE INFORMATION

REFERENCE:
2018 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

TYPE OF CONSTRUCTION: (NO CHANGE)
EXST VB
NON-SPRINKLERED

OCCUPANCY (CHAPTER 3): (NO CHANGE)
A-5: GYMNASIUM W/ BLEACHERS, MEETING ROOMS
B: BUSINESS GROUP; OFFICES

PLAN NORTH

GRAPHIC SCALE: SCALE: 1" = 100'-0"
0 100' 200'

SITE PLAN | SCALE: 1" = 100' - 0" | 9

ZONING INFORMATION | 1

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro — April 30, 2028
Signature & Expiration Date

DESIGN BY: KK DRAWN BY: ND
CHECKED BY: KK DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
T.M.K.: 1-3-24:2
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

ZONING INFORMATION

PROJECT NO.: 27 - P - 04
DRAWING NO.: G-006
FILE NO. 42/A-70

ABBREVIATIONS

A

ADA	AMERICANS WITH DISABILITIES ACT
ADAAG	AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
ADMIN	ADMINISTRATION
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL or ARCHITECT

B

BD	BOARD
BIT	BITUMEN
BLDG	BUILDING
BM	BEAM
BOT	BOTTOM

C

CJ	CONTROL JOINT
℄	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CORR	CORRUGATED

D

DET	DETAIL
DIA, ⌀	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWGS	DRAWINGS

E

EA	EACH
EJ	EXPANSION JOINT
ELEV	ELEVATION
EQ	EQUAL
EQPT	EQUIPMENT
EXST	EXISTING
EXT	EXTERIOR
(E)	EXISTING DIMENSION, CONTRACTOR TO VERIFY

F

FFL	FINISH FLOOR LEVEL
FIN	FINISH
FL, FLR	FLOOR
FOF	FACE OF FINISH
FS	FLOOR SINK
FT	FEET

G

GA, ga	GAUGE
GALV	GALVANIZED
GYP	GYPSUM

H

H	HIGH
HD	HEAD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT / HARD TILE

I

INSUL	INSULATION
INT	INTERIOR

J

JAN	JANITOR
JT, JNT	JOINT

L

L	LONG

M

MAIN	MAINTENANCE
MAX	MAXIMUM
MECH	MECHANICAL
MET, MTL	METAL
MFR, MANUF	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD	MODIFIED

N

NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O

OC	ON CENTER
OPP	OPPOSITE

P

P	PAINT
PLYWD	PLYWOOD
PNL	PANEL
PTN	PARTITION

R

RAD, R	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REQ, REQ'D	REQUIRED
RM	ROOM
RO	ROUGH OPENING

S

SATC	SUSPENDED ACOUSTICAL TILE CEILING
SCHED	SCHEDULE
SCRN	SCREEN
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SL	SLOPE
SMA	SPECIAL MANAGEMENT AREA
SPEC	SPECIFIED or SPECIFICATIONS
SS, SST	STAINLESS STEEL
STL	STEEL
STD	STANDARD
STO/STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED

T

THK	THICK
THR	THRESHOLD
TMK	TAX MAP KEY
TYP	TYPICAL

U

UNO	UNLESS NOTED OTHERWISE

V

VERT	VERTICAL
VTR	VENT THRU ROOF

W

W	WIDE
W/	WITH
W/O	WITHOUT
WO	WHERE OCCURS
WD	WOOD
WDW/WIN	WINDOW

CEILING LEGEND

SATC; SIZE AND TYPE AS INDICATED IN DRAWINGS

GYP BD CEILING OR SOFFIT

2X4 LIGHT FIXTURE

HID LIGHT FIXTURE

Ⓢ SMOKE DETECTOR

NOTES:

ALL CEILING HEIGHTS LISTED ARE TO FINISH FLOOR.

PLAN LINE LEGEND

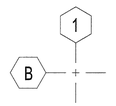
— — — — DASHED LINES INDICATE DEMOLITION WORK

——— LIGHT LINES INDICATE EXISTING TO REMAIN

——— BOLD LINES INDICATE NEW WORK

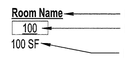
ARCHITECTURAL REFERENCE SYMBOLS

GRID LINES



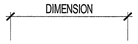
EXISTING CONSTRUCTION GRID LINE DESIGNATIONS ARE TO THE CENTER OF THE COLUMN, UNLESS NOTED OTHERWISE. GRID LINES IDENTIFIED BY A LETTER DESIGNATION RUN PARALLEL, AND GRID LINES IDENTIFIED BY A NUMBER DESIGNATION RUN PERPENDICULAR TO THOSE WITH LETTER DESIGNATIONS UNLESS NOTED OTHERWISE.

SYMBOLS



ROOM NAME
ROOM NUMBER
ROOM AREA

DIMENSIONS



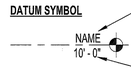
DIMENSION TAKEN FROM FACE OF FRAMING MEMBER (I.E. CMU, STRUCTURAL STEEL, WOOD, ETC.) TO FACE OF FRAMING MEMBER

MISCELLANEOUS SYMBOLS



REFERENCE NORTH INDICATOR
TRUE NORTH INDICATOR

DATUM SYMBOL



LEVEL NAME
HEIGHT ABOVE PROJECT DATUM

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Digitally signed by Kylan Kaneshiro
DN: cn=Kylan Kaneshiro, o=Hawaii, ou=Professional Architect, email=kylan.kaneshiro@honolulu.gov, c=US
Kylan Kaneshiro Date: 2026.04.30 10:32:05 -10'00'

April 30, 2026
Signature & Expiration Date

DESIGN BY: KK
DRAWN BY: ND
CHECKED BY: KK
DATE: 07/02/2026
ACCEPTED:

Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

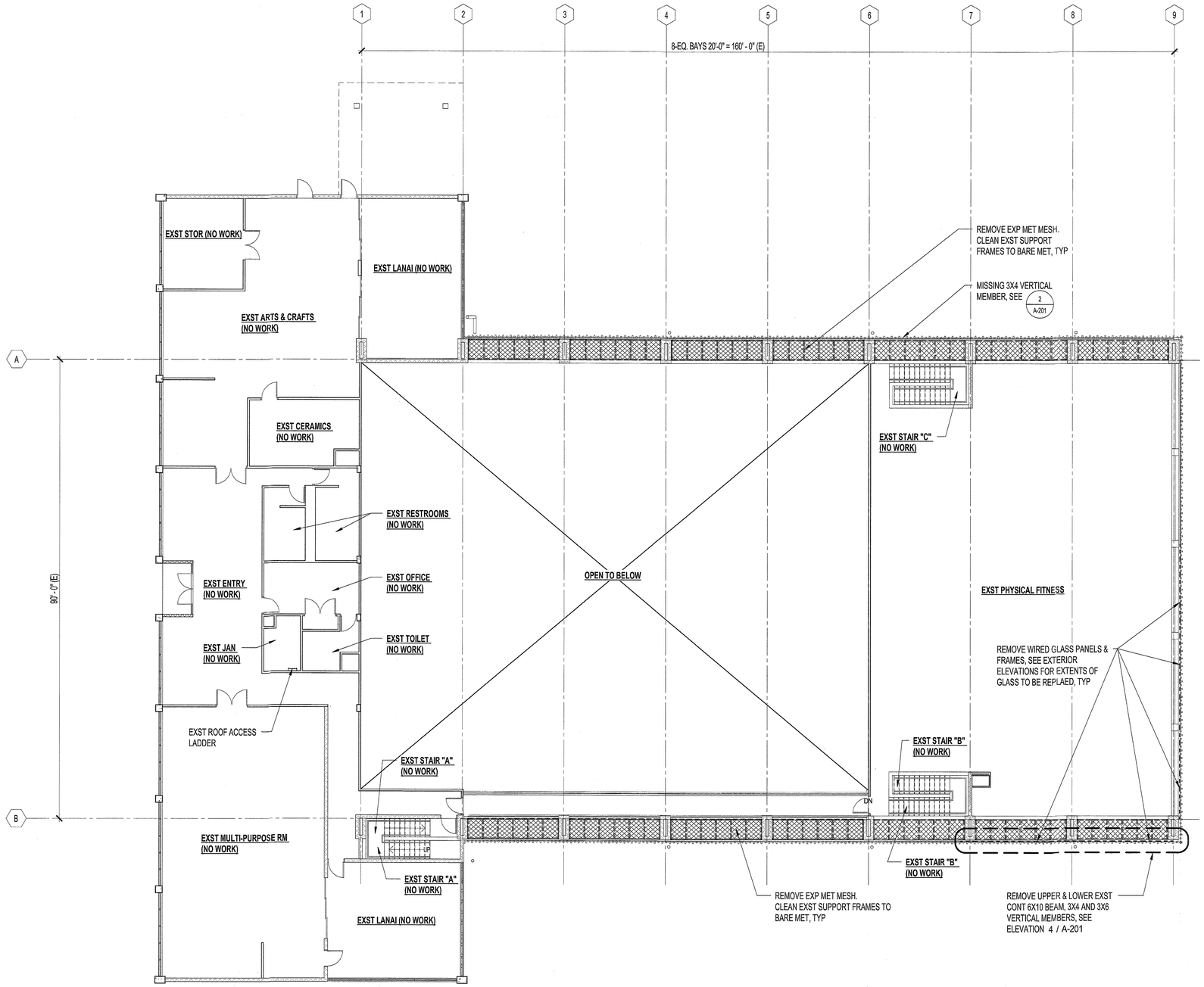
LEGENDS AND ABBREVIATIONS

PROJECT NO.: 27 - P - 04

DRAWING NO.:

A-001

FILE NO.
42/A-70



2ND FLOOR DEMOLITION PLAN | SCALE: 3/32" = 1'-0" | 1

GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

A
D KEY TO INTERIOR ELEV B
C

PLAN NORTH

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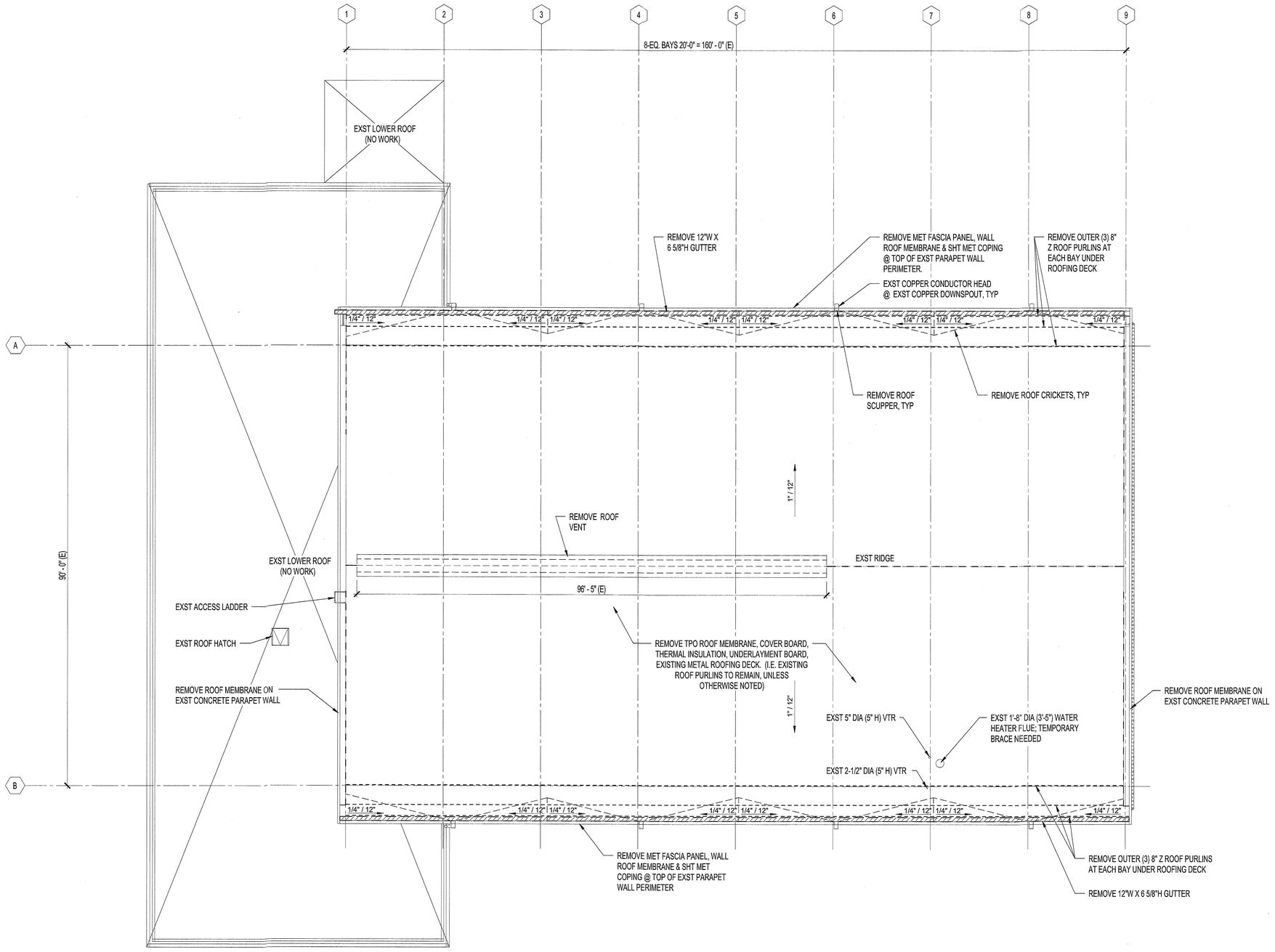
DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
T.M.K.: 1-3-24:2
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819
2ND FLOOR DEMOLITION PLAN

PROJECT NO.: 27 - P - 04

DRAWING NO.:
AD-101

FILE NO.
42/A-70



A
D KEY TO INTERIOR ELEV B
C

PLAN NORTH

GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

ROOF DEMO PLAN | SCALE: 3/32" = 1' - 0" | 1

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CITY & COUNTY OF HONOLULU

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1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

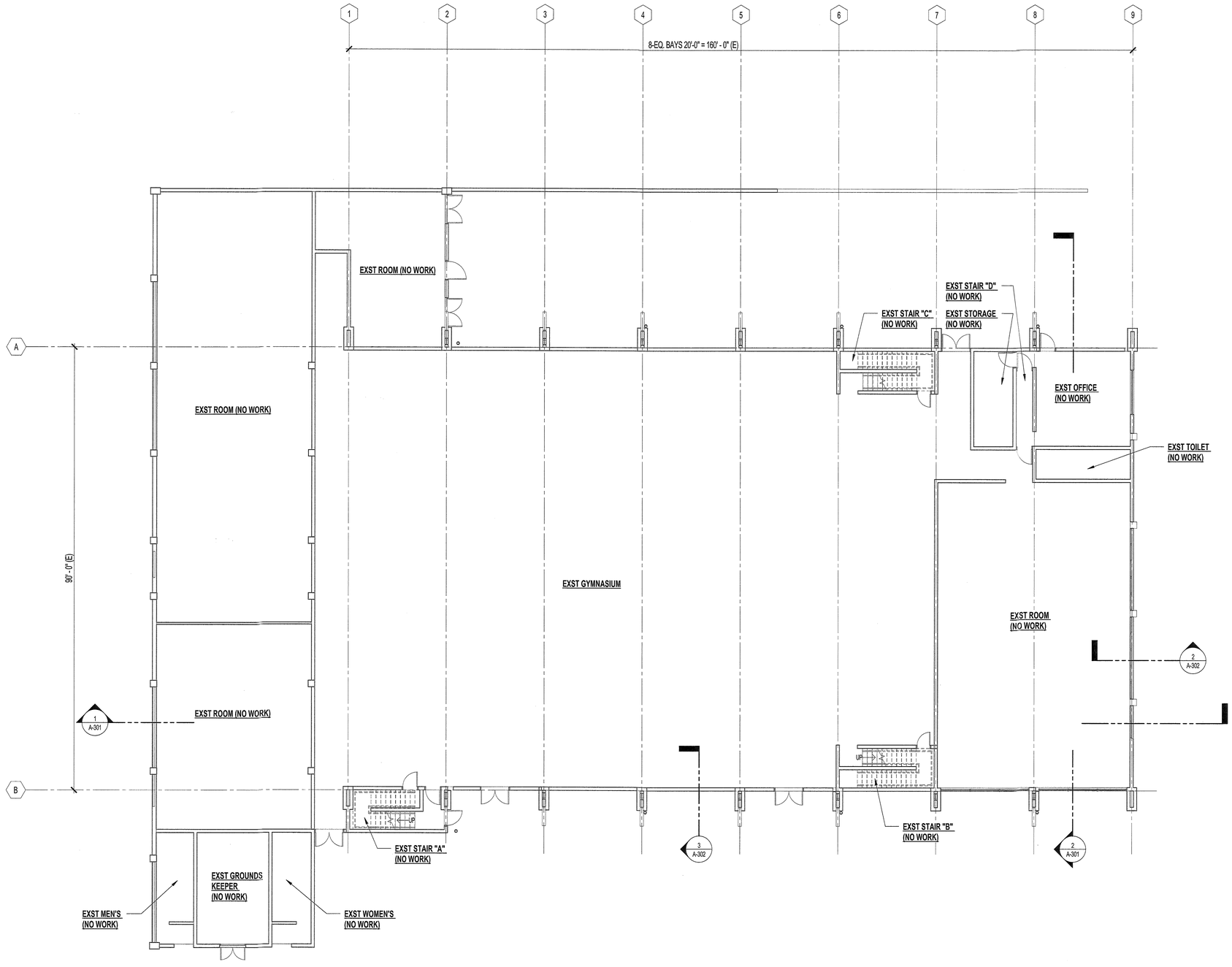
T.M.K.: 1-3-24-2

ROOF DEMOLITION PLAN

PROJECT NO.: 27 - P - 04

DRAWING NO.:
AD-102

FILE NO.
42/A-70



A
D KEY TO INTERIOR ELEV B
C

PLAN NORTH

FIRST FLOOR PLAN - FOR REFERENCE | SCALE: 3/32" = 1'-0" | 1

GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

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Kylan Kaneshiro — Digitally signed by Kylan Kaneshiro; DN: cn=Kylan Kaneshiro, o=Architect, ou=Architect, email=kylan.kaneshiro@honolulu.gov, c=US; Date: 2026.01.15 09:59:51 -10'00'

April 30, 2028
Signature & Expiration Date

DESIGN BY: KK DRAWN BY: ND
CHECKED BY: KK DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

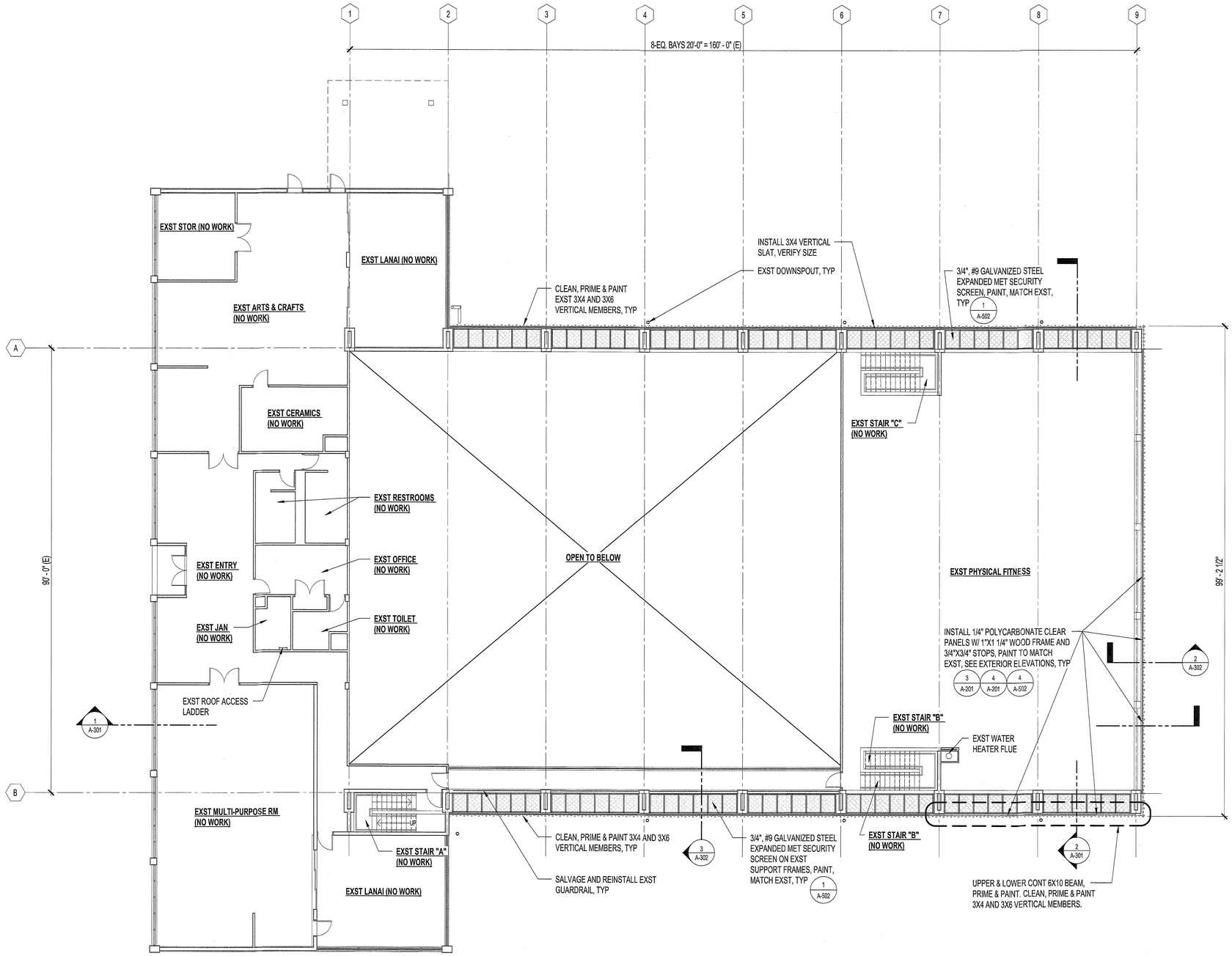
KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
T.M.K.: 1-3-24:2
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

1ST FLOOR PLAN

PROJECT NO.: 27 - P - 04

DRAWING NO.:
A-101

FILE NO.
42/A-70



NOTE:
FOR ALTERNATING 3X4 AND 3X6 VERTICAL MEMBERS, 1/2" PLYWOOD AND 6X10 WD BEAMS IN AREAS NOT GRAPHICALLY INDICATED, SEE REPAIR SCHEDULE ON STRUCT DRAWINGS FOR ESTIMATED QUANITITES

A
D KEY TO INTERIOR ELEV B
C

PLAN NORTH

GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

2ND FLOOR PLAN | SCALE: 3/32" = 1' - 0" | 1

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HAWAII, U.S.A.

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Digitally signed by Kylan Kaneshiro
DN: cn=Kylan Kaneshiro, o=Hawaii, ou=Department of Design and Construction, email=kkaneshiro@honolulu.gov, c=US
Date: 2026.04.30 10:29:53-10'00'

Kylan Kaneshiro — April 30, 2026
Signature & Expiration Date

DESIGN BY: KK DRAWN BY: ND
CHECKED BY: KK DATE: 07/02/2026
ACCEPTED:
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DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS

T.M.K.: 1-3-24:2

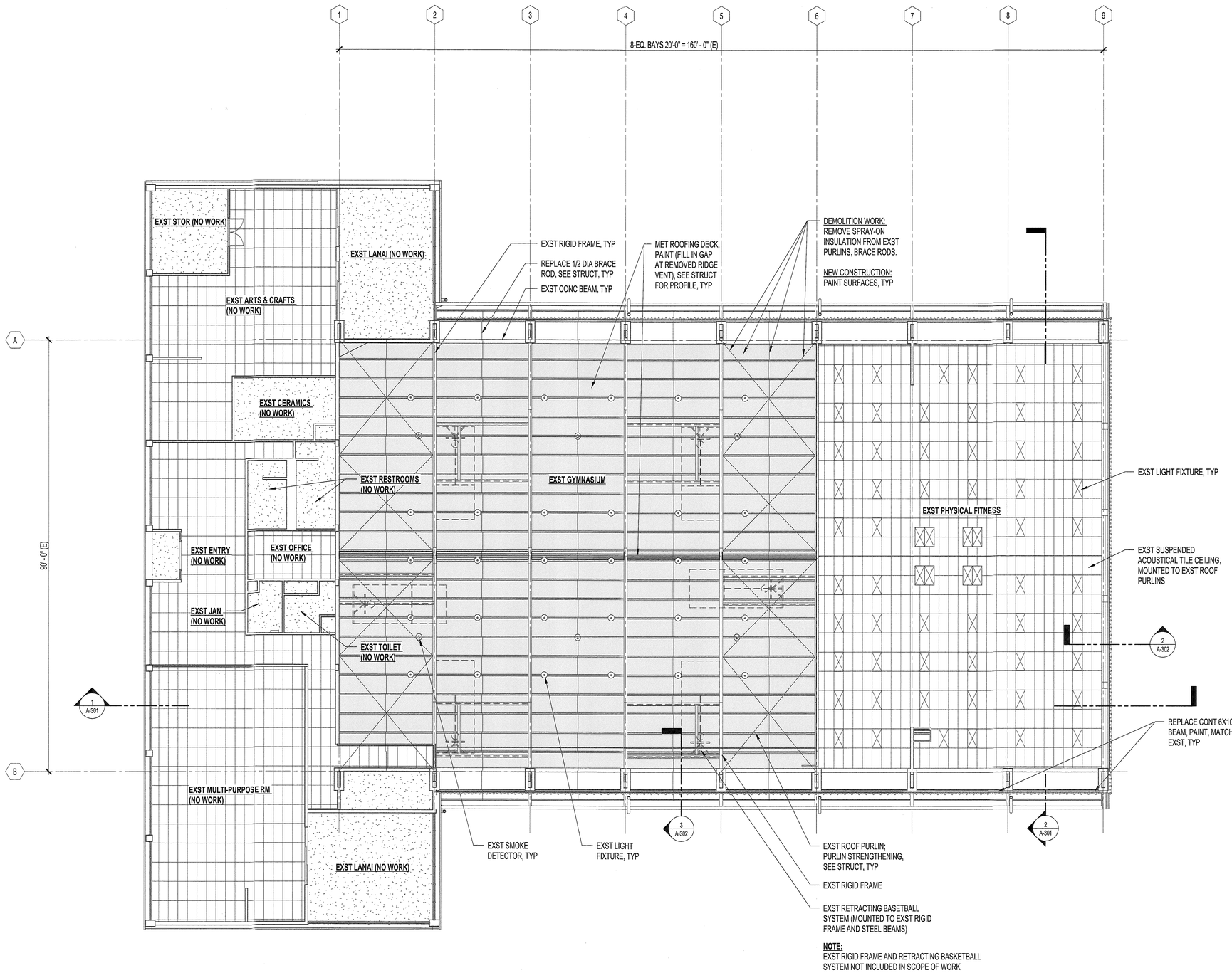
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 98819

2ND FLOOR PLAN

PROJECT NO.: 27 - P - 04

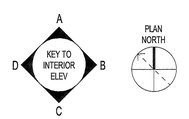
DRAWING NO.:
A-102

FILE NO.
42/A-70



NOTE:

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- EXST RIGID FRAME AND RETRACTING BASKETBALL SYSTEM NOT INCLUDED IN SCOPE OF WORK



GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

2ND FLOOR REFLECTED CEILING PLAN | SCALE: 3/32" = 1' - 0" | 1

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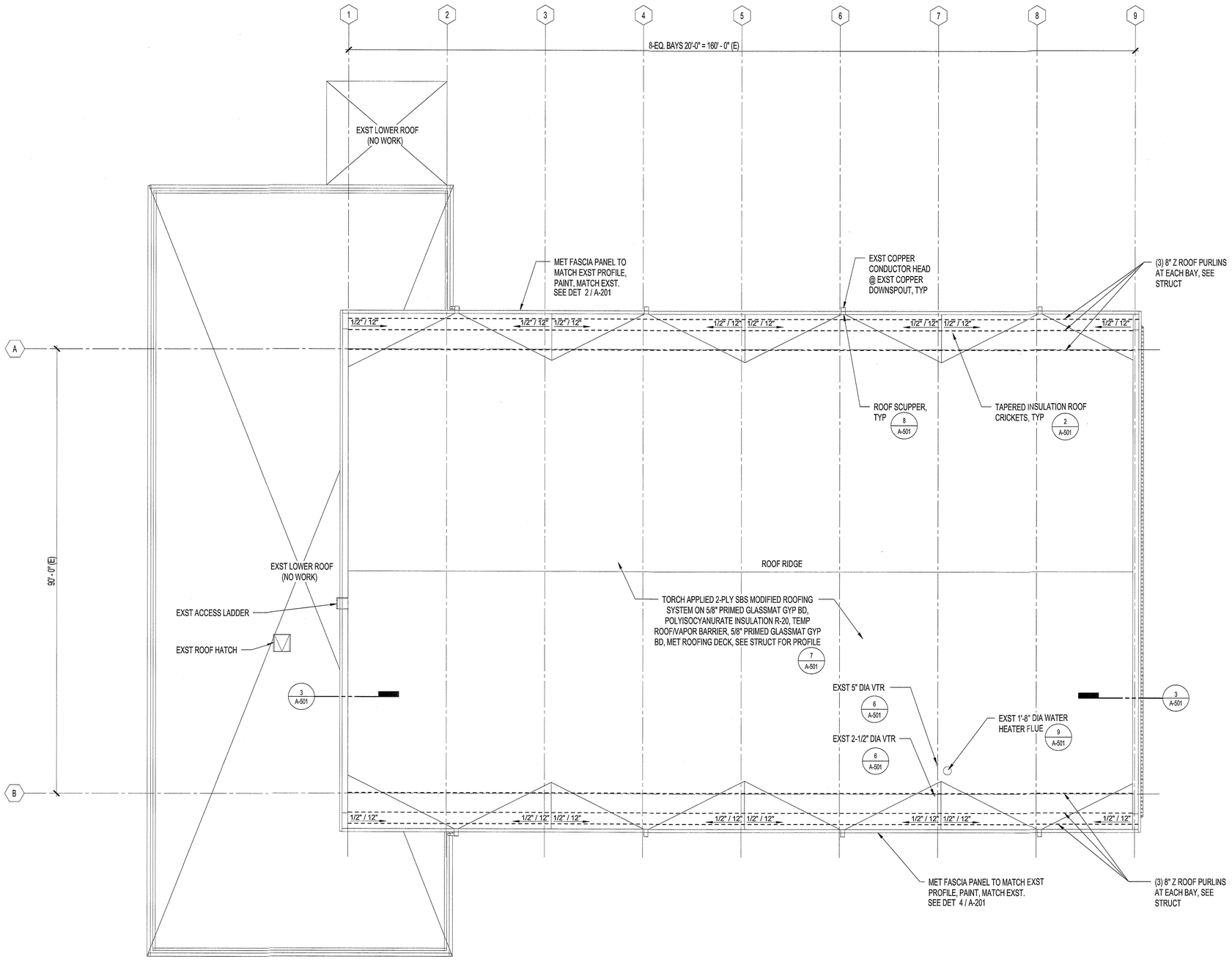
DESIGN BY: KK | DRAWN BY: ND
CHECKED BY: KK | DATE: 07/02/2026
ACCEPTED: Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
T.M.K.: 1-3-24:2
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

2ND FLOOR REFLECTED CEILING PLAN

PROJECT NO.: 27 - P - 04
DRAWING NO.: A-103
FILE NO. 42/A-70



ROOF PLAN | SCALE: 3/32" = 1' - 0" | 1

GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

KEY TO INTERIOR ELEV: A, B, C, D

PLAN NORTH

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CITY & COUNTY OF HONOLULU

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GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

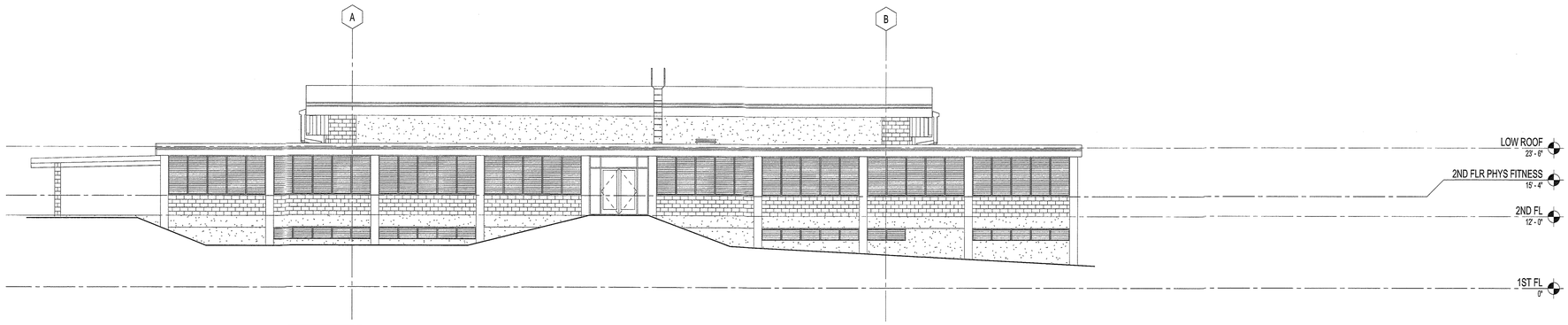
T.M.K.: 1-3-24:2

ROOF PLAN

PROJECT NO.: 27 - P - 04

DRAWING NO.: A-104

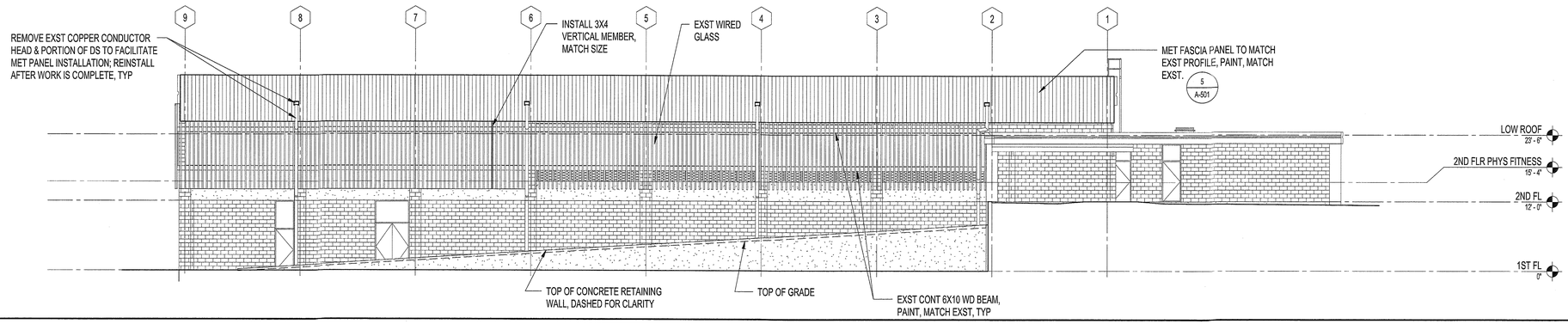
FILE NO. 42/A-70



FOR BALANCE OF NOTES,
SEE 4 / A-201

WEST ELEVATION

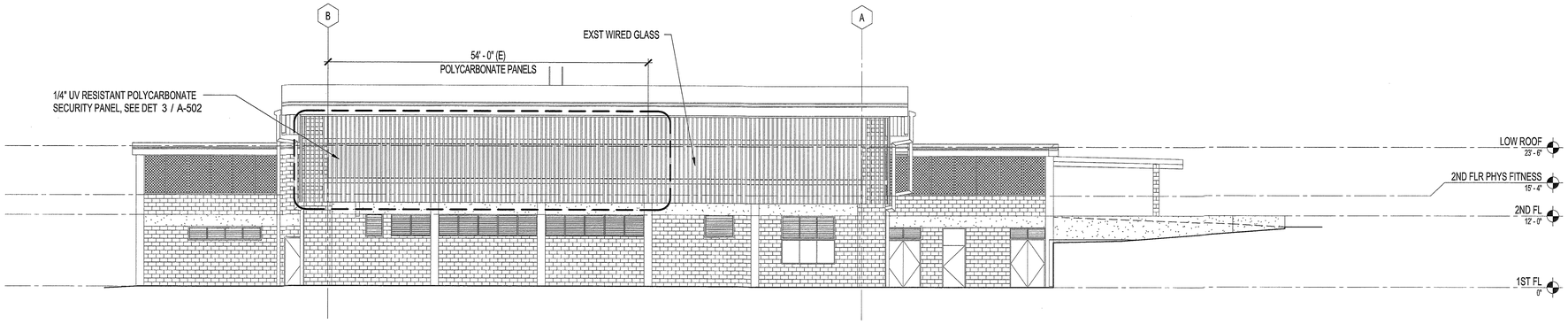
SCALE: 3/32" = 1' - 0" | 1



FOR BALANCE OF NOTES,
SEE 4 / A-201

NORTH ELEVATION

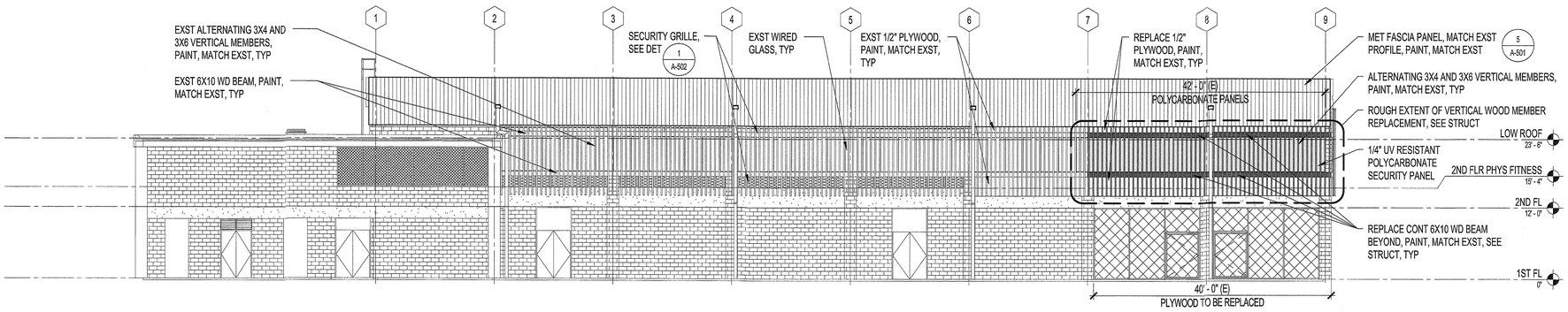
SCALE: 3/32" = 1' - 0" | 2



FOR BALANCE OF NOTES,
SEE 4 / A-201

EAST ELEVATION

SCALE: 3/32" = 1' - 0" | 3



NOTE:
FOR ALTERNATING 3X4 AND 3X6 VERTICAL MEMBERS, 1/2" PLYWOOD AND 6X10 WD BEAMS IN AREAS NOT GRAPHICALLY INDICATED, SEE REPAIR SCHEDULE ON STRUCT DRAWINGS FOR ESTIMATED QUANITITES

SOUTH ELEVATION

SCALE: 3/32" = 1' - 0" | 4

GRAPHIC SCALE: SCALE: 3/32" = 1'-0" 0 5' 10' 20'

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DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

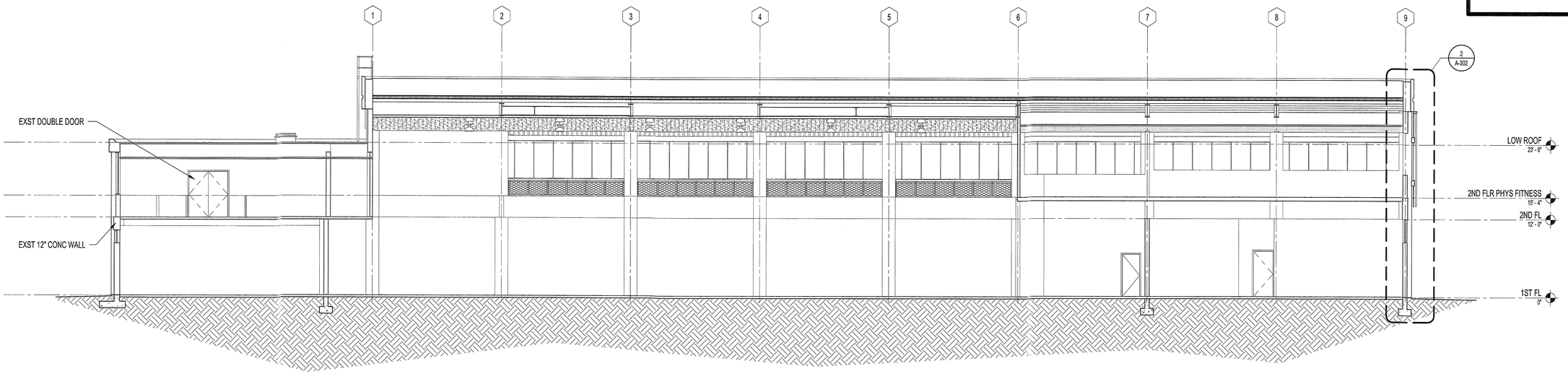
KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
T.M.K.: 1-3-24:2
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

EXTERIOR ELEVATIONS

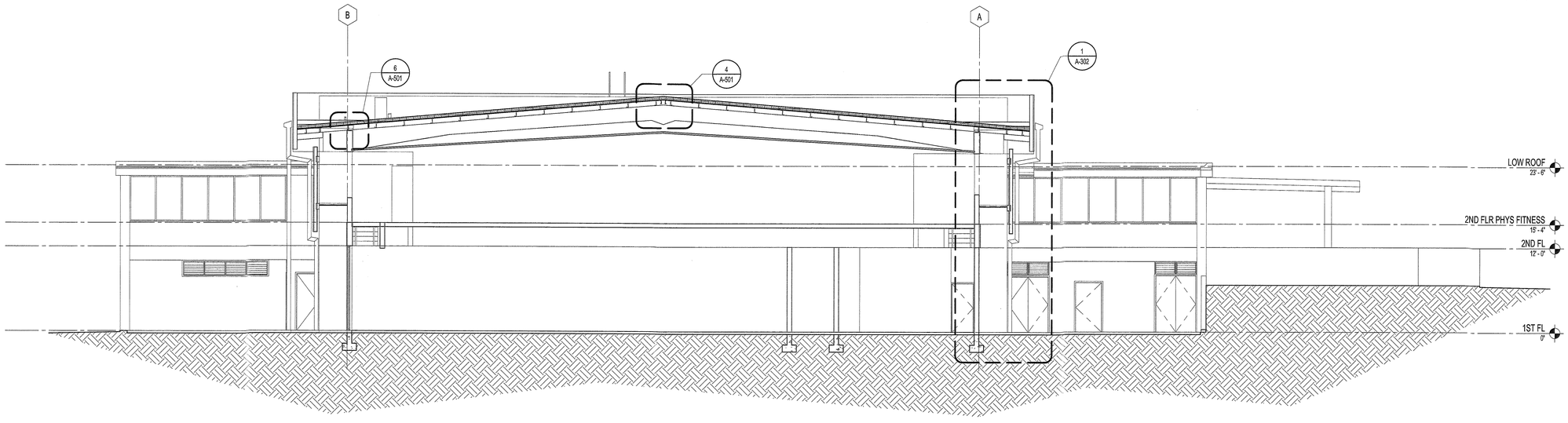
PROJECT NO.: 27 - P - 04

DRAWING NO.:
A-201

FILE NO.
42/A-70



BUILDING LONGITUDINAL SECTION | SCALE: 3/32" = 1' - 0" | 1



BUILDING CROSS SECTION | SCALE: 3/32" = 1' - 0" | 2

GRAPHIC SCALE: SCALE: 1/8" = 1'-0" 0 4' 8' 16'

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April 30, 2028
Signature & Expiration Date

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CHECKED BY: KK
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CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

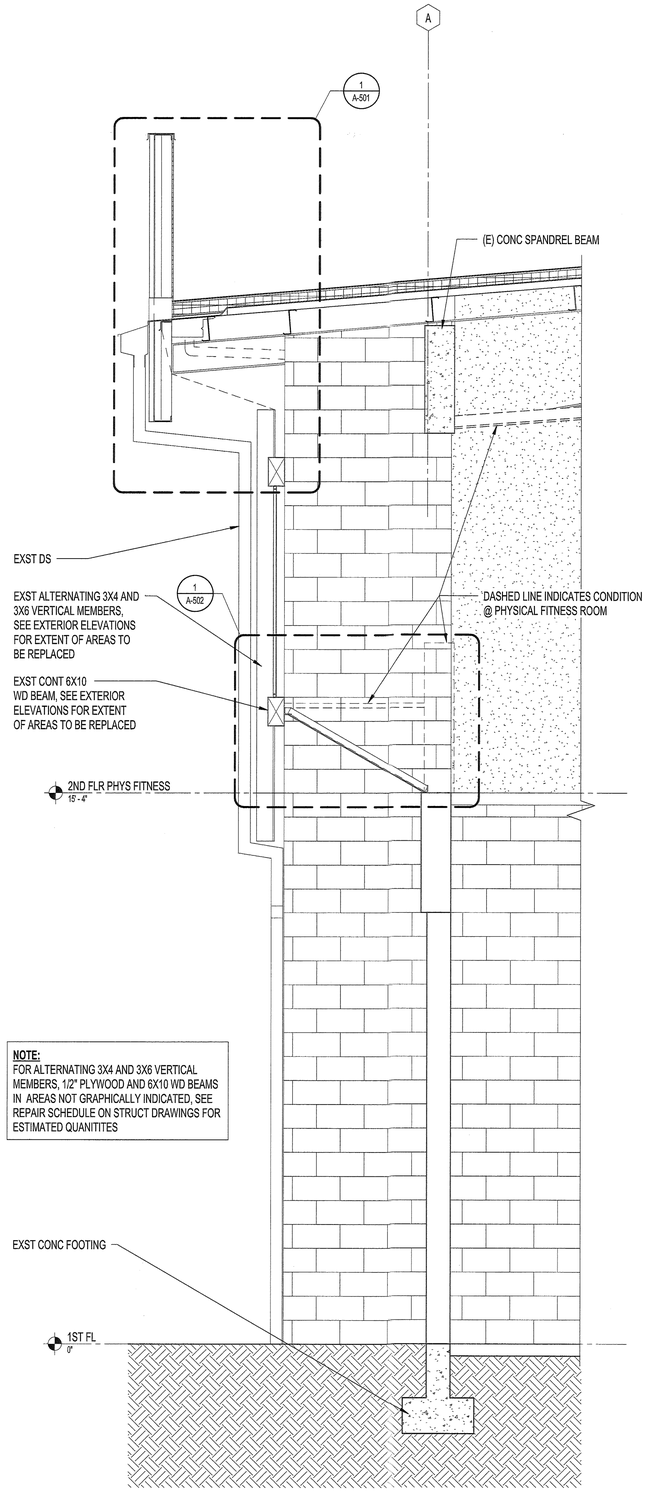
T.M.K.: 1-3-24:2

BUILDING SECTIONS

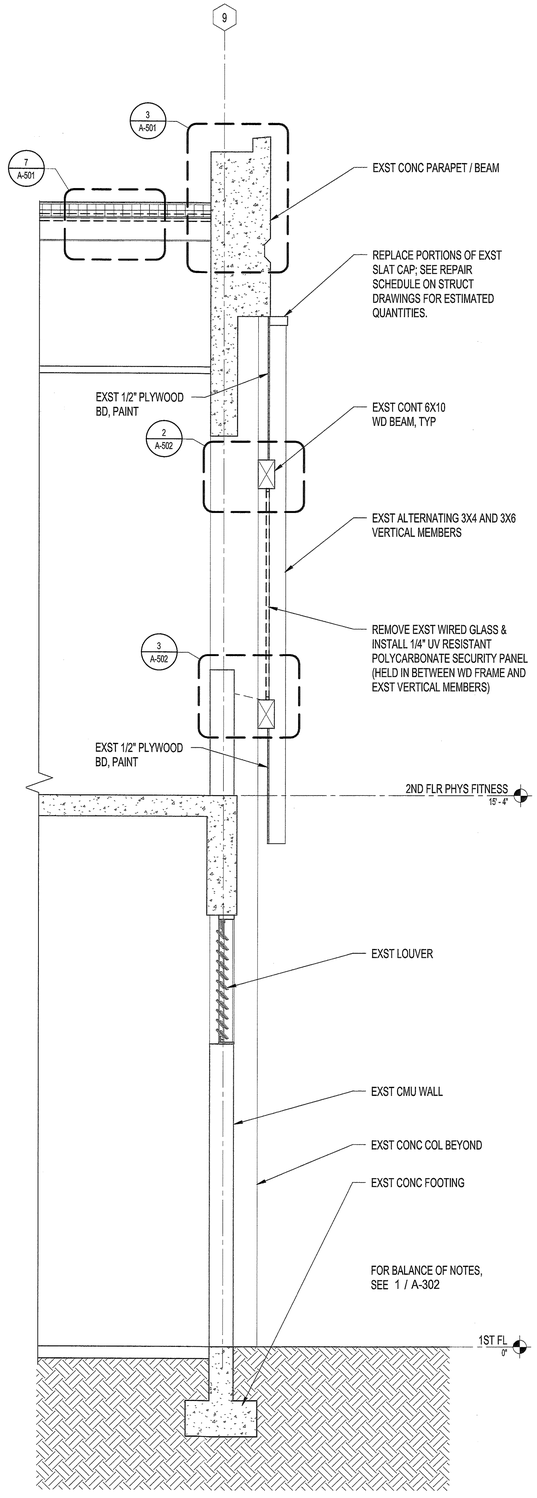
PROJECT NO.: 27 - P - 04

DRAWING NO.:
A-301

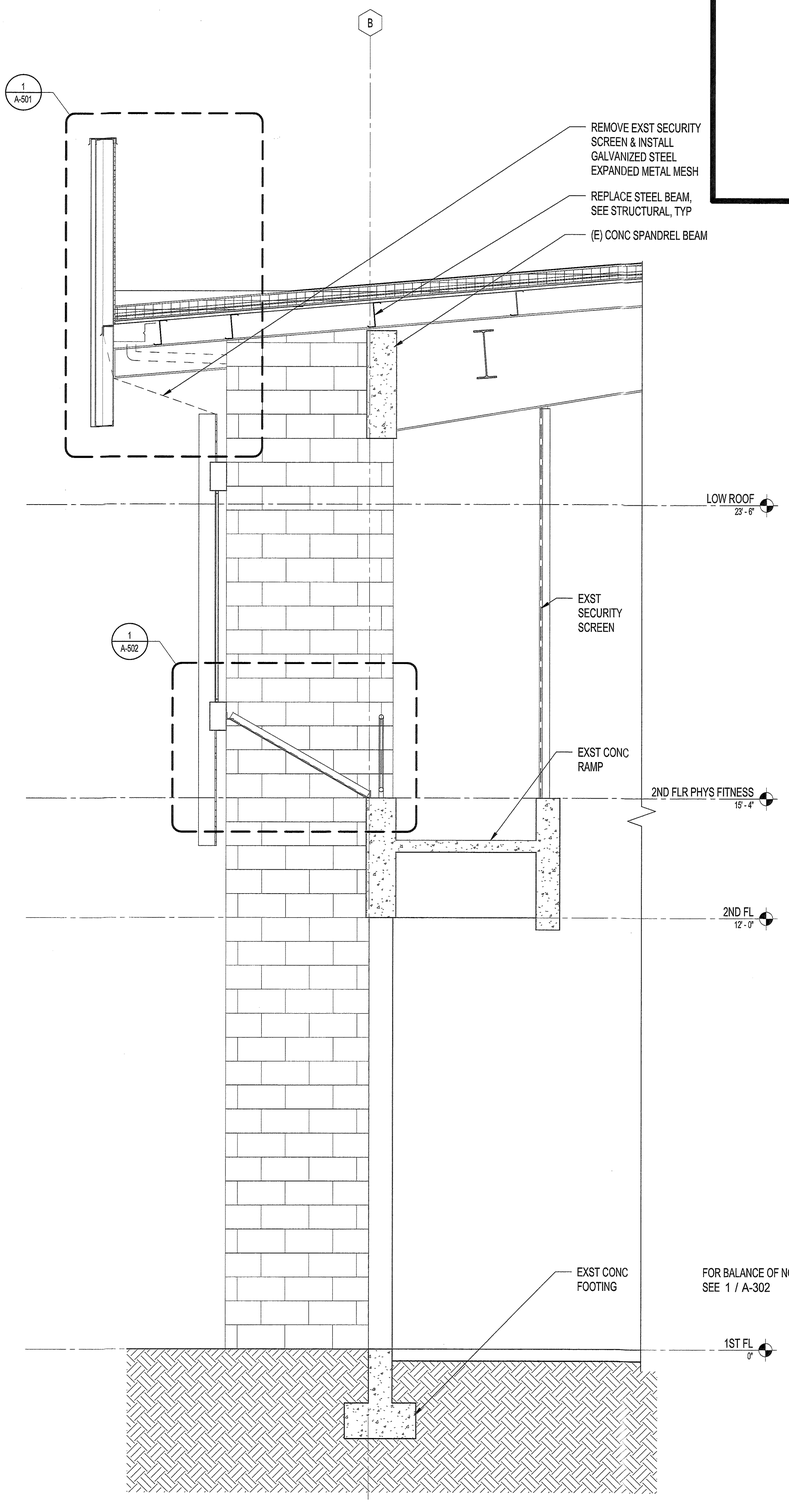
FILE NO.
42/A-70



GYM WALL SECTION | SCALE: 1/2" = 1' - 0" | 1



END WALL SECTION | SCALE: 1/2" = 1' - 0" | 2



WALL SECTION AT BALCONY RAMP | SCALE: 1/2" = 1' - 0" | 3

GRAPHIC SCALE: SCALE: 1/2" = 1'-0"

0 1" 2" 4"

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

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LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

Kylan Kaneshiro — Expiration date of this page is the end of the month and year shown, unless re-signed and dated earlier. Pages not bearing the original signature are not considered certified documents.

April 30, 2028
Signature & Expiration Date

DESIGN BY: KK
DRAWN BY: ND
CHECKED BY: KK
DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
T.M.K.: 1-3-24:2
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

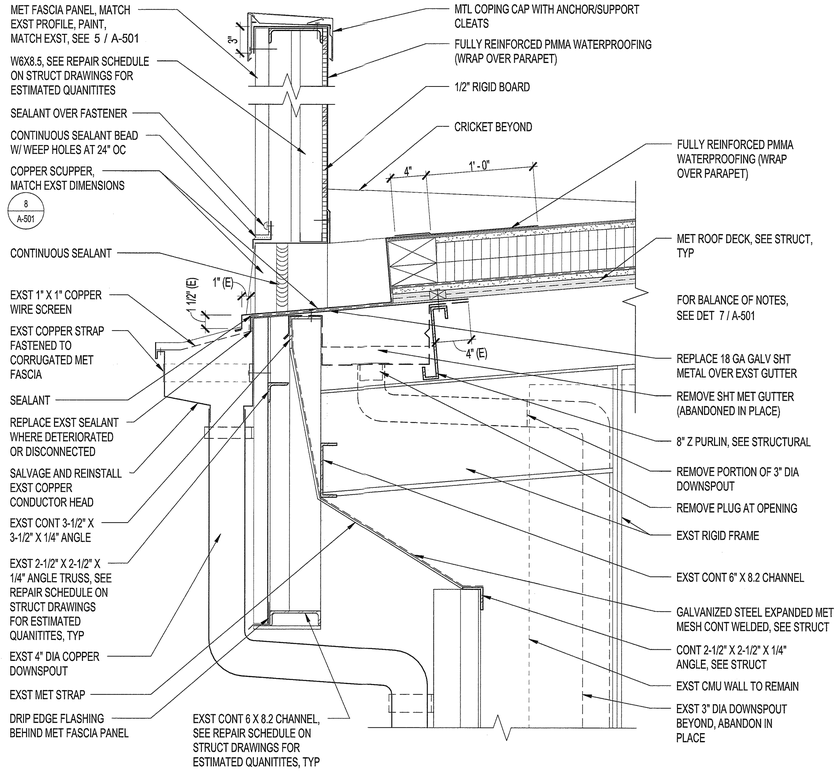
WALL SECTIONS

PROJECT NO.: 27 - P - 04

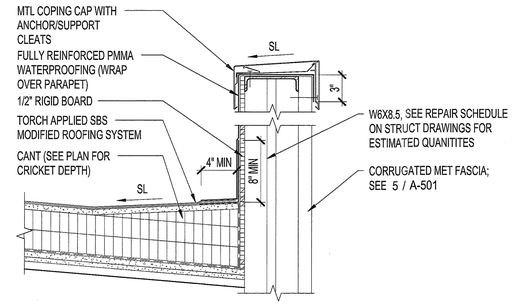
DRAWING NO.:

A-302

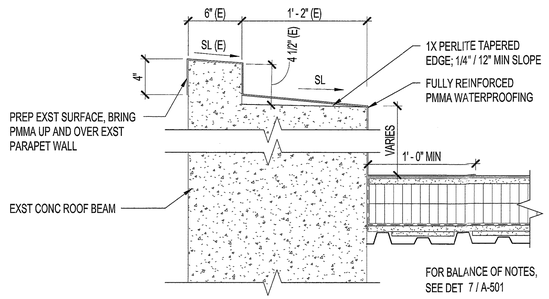
FILE NO.
42/A-70



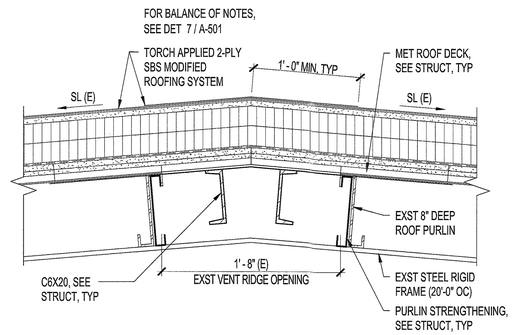
WALL FLASHING DETAIL | SCALE: 1 1/2" = 1' - 0" | 1



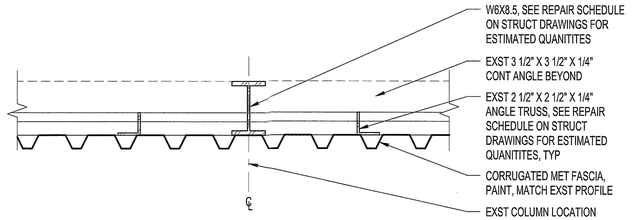
PARAPET WALL FLASHING DETAIL | SCALE: 3/32" = 1' - 0" | 2



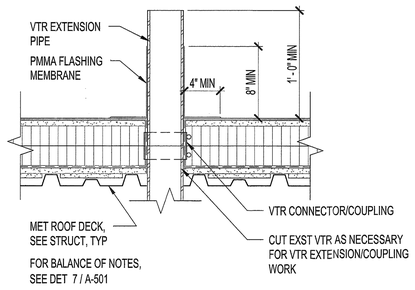
PARAPET WALL FLASHING DETAIL | SCALE: 1 1/2" = 1' - 0" | 3



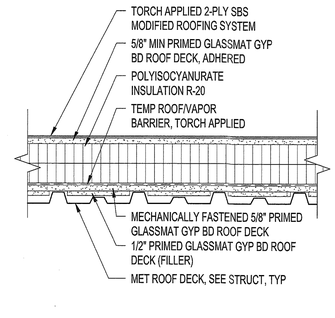
ROOF RIDGE DETAIL | SCALE: 1 1/2" = 1' - 0" | 4



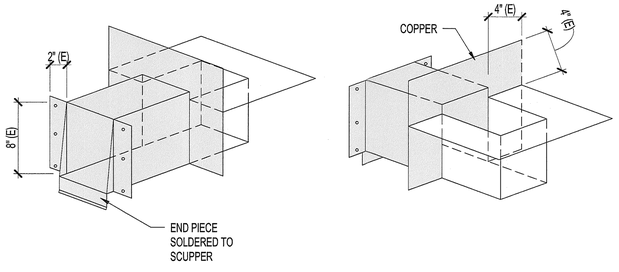
REPLACE ROOF FASCIA - PLAN DETAIL | SCALE: 1 1/2" = 1' - 0" | 5



VTR DETAIL | SCALE: 1 1/2" = 1' - 0" | 6



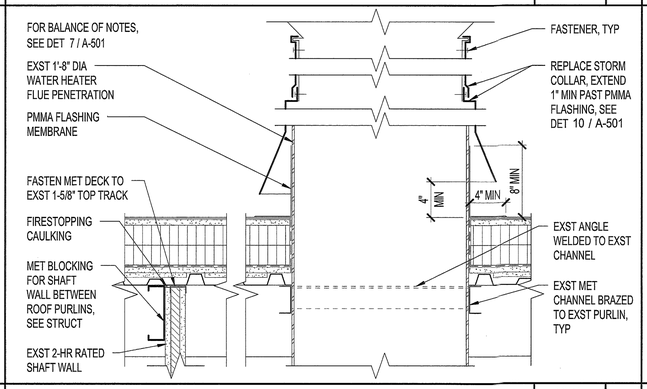
ROOF PROFILE DETAIL | SCALE: 1 1/2" = 1' - 0" | 7



PORTION OF SCUPPER TO MATCH EXISTING DIMENSIONS (OPENING THROUGH WALL, HEIGHTS, WIDTHS); CONTRACTOR TO VERIFY

SCUPPER TO ACCOMODATE CHANGE IN HEIGHT FOR MOD BIT ROOFING, INSULATION, COVERBOARD....

ROOF SCUPPER DETAIL | SCALE: 1 1/2" = 1' - 0" | 8



WATER FLUE DETAIL | SCALE: 1 1/2" = 1' - 0" | 9



EXISTING WATER FLUE IMAGE | SCALE: NTS | 10

GRAPHIC SCALE: SCALE: 1-1/2" = 1'-0" 0 6" 1' 18"

REVISION	DATE	DESCRIPTION	SHT. NO.	APPROVED

KYLAN KANESHIRO
LICENSED PROFESSIONAL ARCHITECT
No. 18439
HAWAII, U.S.A.

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Kylan Kaneshiro — Digitally signed by Kylan Kaneshiro — DN: cn=Kylan Kaneshiro, o=Kylan Kaneshiro, Architect, ou=Architect, email=kylan@kaneshiro.com, c=US — Date: 2026.02.26 10:07:27 -10'00'

April 30, 2028
Signature & Expiration Date

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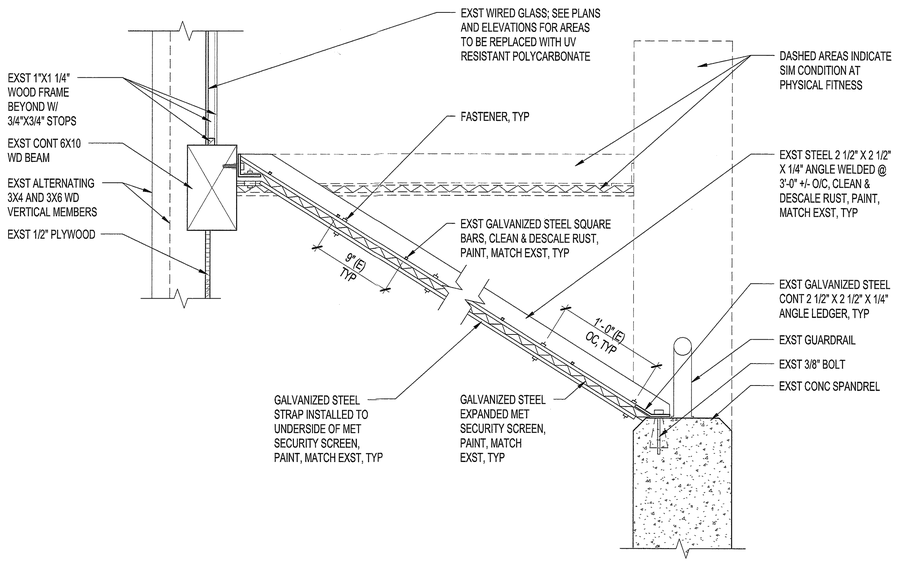
T.M.K.: 1-3-24:2

ROOF DETAILS

PROJECT NO.: 27 - P - 04

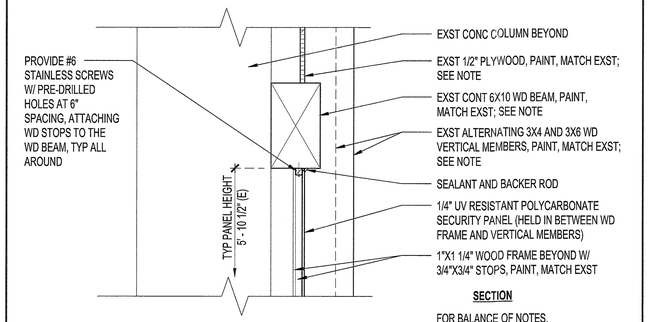
DRAWING NO.:
A-501

FILE NO.
42/A-70



EXTERIOR SECURITY SCREEN DETAIL

SCALE: 1 1/2" = 1' - 0" | 1

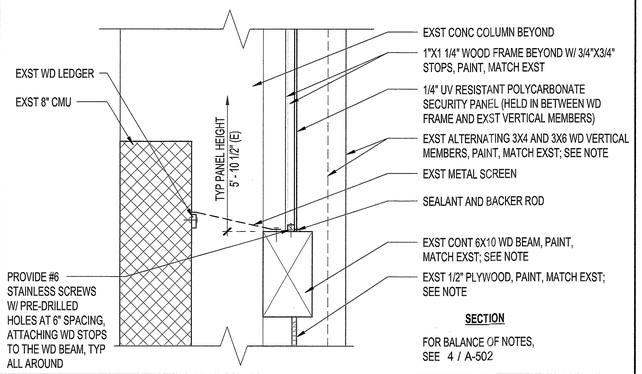


SECTION

FOR BALANCE OF NOTES, SEE 4 / A-502

WINDOW HEAD DETAIL

SCALE: 1 1/2" = 1' - 0" | 2



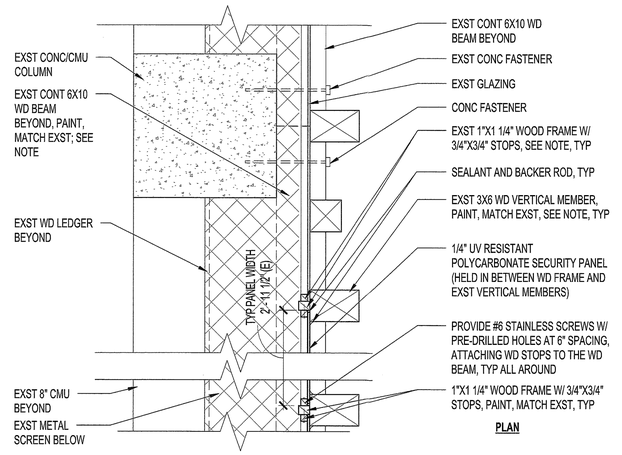
SECTION

FOR BALANCE OF NOTES, SEE 4 / A-502

WINDOW SILL DETAIL

SCALE: 1 1/2" = 1' - 0" | 3

NOTE:
FOR ALTERNATING 3X4 AND 3X6 VERTICAL MEMBERS, 1/2" PLYWOOD AND 6X10 WD BEAMS IN AREAS NOT GRAPHICALLY INDICATED, SEE REPAIR SCHEDULE ON STRUCT DRAWINGS FOR ESTIMATED QUANITITES



PLAN

WINDOW JAMB DETAIL

SCALE: 1 1/2" = 1' - 0" | 4

GRAPHIC SCALE: SCALE: 1-1/2" = 1'-0" 0 8" 1' 18"

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Kylan Kaneshiro
Digitally signed by Kylan Kaneshiro
DN: cn=Kylan Kaneshiro, o=Structural Engineer, ou=Structural Engineer, email=kylan@kkstructural.com, c=US
Date: 2026.07.31 07:12:19 -10'00'

April 30, 2028
Signature & Expiration Date

DESIGN BY: KK DRAWN BY: ND
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DEPARTMENT OF DESIGN AND CONSTRUCTION
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T.M.K.: 1-3-24:2

WALL DETAILS

PROJECT NO.: 27 - P - 04

DRAWING NO.:
A-502

FILE NO.
42/A-70

GENERAL:

A. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CITY AND COUNTY OF HONOLULU: AMENDED IBC, 2018 WITH STATE WIDE AMENDMENTS. HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING TO OTHER STANDARDS THE MORE STRINGENT SHALL APPLY.
B. THE CONTRACTOR SHALL COMPARE ALL THE CONTRACT DOCUMENTS WITH EACH OTHER AND REPORT IN WRITING TO THE ARCHITECT ALL INCONSISTENCIES AND OMISSIONS.
C. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS WITH THE DRAWINGS BEFORE COMMENCING WORK. REPORT IN WRITING TO THE ARCHITECT ALL INCONSISTENCIES AND OMISSIONS.
D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES.
E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS OF CONSTRUCTION, WORKMANSHIP AND JOB SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED FOR STABILITY OF STRUCTURAL MEMBERS AND SYSTEMS.
F. CONSTRUCTION LOADING SHALL NOT EXCEED DESIGN LIVE LOAD UNLESS SPECIAL SHORING IS PROVIDED. ALLOWABLE LOADS SHALL BE REDUCED IN AREAS WHERE THE STRUCTURE HAS NOT ATTAINED FULL DESIGN STRENGTH.
G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE ADJACENT PROPERTIES, STRUCTURES, STREETS AND UTILITIES DURING THE CONSTRUCTION PERIOD.
H. DETAILS NOTED AS TYPICAL ON THE STRUCTURAL DRAWINGS SHALL APPLY IN ALL CONDITIONS UNLESS SPECIFICALLY SHOWN OR NOTED.

DEMOLITION, REMOVAL AND RELOCATION WORK:

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

DESIGN CRITERIA (NEW WORK ONLY):

A. ROOF LIVE LOAD: 20 PSF
B. WIND DESIGN DATA
   1. BASIC DESIGN WIND SPEED (3-SECOND GUST, V): 138 MPH
   2. EFFECTIVE ALLOWABLE STRESS DESIGN WIND SPEED (3-SECOND GUST, VEFF-ASD): 107 MPH
   3. RISK CATEGORY: II
   4. EXPOSURE CATEGORY: B
   5. WIND DIRECTIONALITY FACTOR: Kd = 0.85
   6. PEAK TOPOGRAPHIC FACTOR: Kzt = 1.0
   7. WIND BORNE DEBRIS REGION: YES
   8. IMPACT RESISTANT GLAZING REQUIRED: N/A
   9. BUILDING ENCLOSURE CLASSIFICATION: PARTIALLY ENCLOSED
   10. INTERNAL PRESSURE COEFFICIENT: +0.55
   11. COMPONENTS AND CLADDING DESIGN WIND PRESSURE: SEE 1/S-001
C. EARTHQUAKE DESIGN DATA:
   1. RISK CATEGORY: II
   2. IMPORTANCE FACTOR: 1.0
   3. MAPPED SPECTRAL RESPONSE ACCELERATIONS
      a. SHORT PERIOD: Ss = 0.58g
      b. 1-SEC PERIOD: S1 = 0.17g
   4. SITE CLASS: D (ASSUMED)
   5. SPECTRAL RESPONSE COEFFICIENTS
      a. SHORT PERIOD: Sds = 0.51g
      b. 1-SEC PERIOD: Sd1 = 0.25g
   6. DESIGN CATEGORY: D
   7. BASIC SEISMIC-FORCE-RESISTING SYSTEM: N/A
   8. DESIGN BASE SHEAR (ULTIMATE): N/A
   9. SEISMIC RESPONSE COEFFICIENT: N/A
   10. RESPONSE MODIFICATION FACTOR: N/A
   11. ANALYSIS PROCEDURE: N/A
D. SOILS
   1. SITE CLASS: D (ASSUMED)
   2. ALLOWABLE BEARING CAPACITY: 1,500 PSF (ASSUMED)

SPECIAL INSPECTIONS:

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SPECIAL INSPECTION OF PORTIONS OF THE WORK AS REQUIRED BY THE BUILDING CODE IS MADE AT THE APPROPRIATE TIME. THE CONTRACTOR SHALL SUBMIT STATEMENT OF RESPONSIBILITY TO THE OWNER AND BUILDING DEPARTMENT PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL GIVE TIMELY NOTICE OF WHEN AND WHERE INSPECTIONS ARE TO BE MADE AND PROVIDE ACCESS FOR THE INSPECTOR. FREQUENCY OF INSPECTION IS DEFINED IN THE IBC, SECTION 1705 TABLES, AS AMENDED BY THE CITY. THE CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE OWNER AND PAY FOR RE-INSPECTION AS REQUIRED.
B. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. THE INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE OWNER AND LICENSED ARCHITECT OR ENGINEER WHO IN TURN SHALL SUBMIT A WRITTEN STATEMENT TO THE CITY CERTIFYING RECEIPT OF THE FINAL INSPECTION LETTER AND DOCUMENTING THAT THERE ARE NO KNOWN UNRESOLVED CODE REQUIREMENTS.
C. THE FOLLOWING TYPE OF WORK LISTED IN THE IBC, SECTION 1705, AS AMENDED BY THE CITY, REQUIRES SPECIAL INSPECTION:
   1. STEEL CONSTRUCTION
      a. WELDING
      b. BOLTING
   2. COLD FORMED STEEL FRAMING
      a. BOLTING AND FASTENING TO ROOFING

STRUCTURAL STEEL:

A. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL OF STEEL CONSTRUCTION, FOURTEENTH EDITION.
B. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE NOTED.
C. CHANNELS AND ANGLES SHALL CONFORM TO ASTM A36.
D. BOLTS SHALL CONFORM TO ASTM A307, GRADE A UNLESS OTHERWISE NOTED.
E. WELDS AND WELDING PROCEDURES SHALL CONFORM TO THE STRUCTURAL WELDING CODE AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
F. WELDING SHALL BE PERFORMED BY WELDERS PREQUALIFIED FOR WELDING PROCEDURES TO BE USED.
G. WELDING ELECTRODES SHALL BE E70XX.
H. ALL STEEL SHALL BE PRIME PAINTED IN THE SHOP.
I. EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A123.
J. ALL ANCHOR BOLTS, PLATES, AND OTHER ITEMS TO BE CAST IN CONCRETE SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A153 UNLESS OTHERWISE NOTED.

COLD-FORMED STEEL FRAMING:

A. COLD-FORMED METAL FRAMING SHALL COMPLY WITH AISI'S "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND ITS "NORTH AMERICAN STANDARD FOR COLD FORMED STEEL FRAMING – GENERAL PROVISIONS"
B. COLD-FORMED STEEL MEMBERS AND ACCESSORIES SHALL BE OF THE TYPE AND THICKNESS CALLED FOR ON THE DRAWINGS. MEMBER DESIGNATIONS ARE PER STEEL STUD MANUFACTURER'S ASSOCIATION.
C. ALL MEMBERS 54, 68 OR 97 MILS THICK SHALL MEET THE REQUIREMENTS OF ASTM A1003 GRADE ST50H AND HAVE A MINIMUM G60 COATING. ALL MEMBERS 33 OR 43 MILS THICK SHALL MEET THE REQUIREMENTS OF ASTM A1003 GRADE ST33H AND HAVE A MINIMUM G60 COATING.
D. CUT FRAMING MEMBERS BY SAWING OR SHEARING. DO NOT TORCH CUT.
E. SCREWS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE AND CENTER-TO-CENTER SPACING OF 1/2 INCH, SHALL BE SELF TAPPING AND SHALL CONFORM TO SAE J 78. SCREWS SHALL EXTEND THROUGH THE STEEL A MINIMUM OF THREE EXPOSED THREADS. ALL SELF-DRILLING TAPPING SCREWS CONFORMING TO SAE J 78 SHALL HAVE A TYPE II COATING IN ACCORDANCE WITH ASTM B633.

STEEL DECK:

A. STEEL DECK AND ACCESSORIES SHALL BE FORMED FROM GALVANIZED STEEL SHEETS CONFORMING TO ASTM A653, STRUCTURAL STEEL (SS), GRADE 50, MINIMUM YIELD 50 KSI, G90 ZINC COATING.
B. STEEL DECK SHALL BE OF THE PROFILE DEPTH AND THICKNESS AS INDICATED ON THE DRAWINGS.
C. STEEL DECK SHALL HAVE A MINIMUM END BEARING OF 2 INCHES END JOINTS SHALL BE LAPPED 2 INCHES MINIMUM.
D. COMPOSITE AND NONCOMPOSITE STEEL DECKS MAY BE EITHER LAPPED OR BUTTED AT CONTRACTOR'S OPTION.
E. STEEL DECK SHALL BE CONTINUOUS OVER 2 SPANS MINIMUM AND 3 SPANS WHERE PERMITS. DO NOT LOCATE SINGLE SPANS AT EDGES OR CORNERS.

DIMENSION LUMBER:

A. WOOD USED FOR SUPPORTING LOADS SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION BODY THAT COMPLIES WITH AMERICAN SOFTWOOD LUMBER STANDARD DOC PS 20 OR EQUIVALENT.
B. UNLESS NOTED OTHERWISE, WOOD USED FOR SUPPORTING LOADS SHALL HAVE THE FOLLOWING GRADES OR BETTER:
   1. 3x MEMBERS: GRADE NO. 2
   2. 6x MEMBERS: GRADE NO. 1
C. WOOD SUPPORTING PERMANENT STRUCTURES SHALL BE PRESERVATIVE TREATED AND CONFORM TO THE REQUIREMENTS OF THE APPLICABLE AWPA STANDARD FOR THE SPECIES, PRODUCT, PRESERVATIVE, AND END USE. PRESERVATIVE SHALL CONFORM TO AWPA C2.
D. WOOD REQUIRED TO BE PRESERVATIVE TREATED SHALL BEAR THE QUALITY MARK OF AN INSPECTION AGENCY.
E. WOOD SHALL BE AT A MOISTURE CONTENT OF 19 PERCENT OR LESS BEFORE BEING COVERED WITH INSULATION, INTERIOR WALL FINISH, FLOOR COVERINGS OR OTHER MATERIALS.
F. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN TABLE 2304.9.1. NAILS SHALL BE GALVANIZED COMMON NAILS.
G. METAL FRAMING ANCHORS SHALL BE SIMPSON STRONG TIE GALVANIZED OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
H. PLACE A LAYER OF 30# ROOFING FELT BETWEEN ALL WOOD MEMBERS AND CONCRETE MASONRY SURFACES.

PURLIN REPLACEMENT / REPAIR / STRENGTHENING NOTES:

A. CONTRACTOR SHALL REPLACE OR REPAIR OF CORRODED ROOF STRUCTURAL FRAMING MEMBERS THAT EXHIBIT GREATER THAN 10% LOSS OF STRUCTURAL STRENGTH OR MOMENT OF INERTIA.
B. CONTRACTOR SHALL REPLACE / REPAIR THE PURLINS IN ACCORDANCE WITH THE IBC.
C. NEW SAG ROD (REPLACEMENT) IS ASSUMED.

REPAIR SCHEDULE WITH TOTAL QUANTITY (SEE NOTES)

REPAIR TYPE	DEFICIENCY DESCRIPTION AND REPAIR TYPE	DESIGNER'S ESTIMATED QUANTITY	CONTRACTOR'S ESTIMATED QUANTITY	ACTUAL QUANTITY	NOTES
I	Z-PURLIN REPLACE	960 LF			SEE PLANS AND 1/S-401
II	Z-PURLIN REPAIR	300 LF			SEE PLANS AND 2/S-401 3/S-401
III	ADDED C STUDS (FOR PURLIN STRENGTHENING)	3,520 LF			SEE PLANS AND 5/S-401
IV	ADDED C-PURLINS	320 LF			SEE PLANS AND 9/S-401
V	F-T C6x8.2 TOP CHORD REPAIR (SURFACE RUST)	240 LF			SEE PLANS AND 1/S-301 2/S-301 AND 8/S-401
	F-T C6x8.2 TOP CHORD REPLACEMENT (IN-KIND)	80 LF			
	F-T 3 1/2" x 3 1/2" x 1/2" DIAGONAL REPAIR (SURFACE RUST)	200 LF			
	F-T 3 1/2" x 3 1/2" x 1/2" DIAGONAL REPAIR (IN-KIND)	100 LF			
	F-T C6x8.2 BOTTOM CHORD REPAIR (SURFACE RUST)	160 LF			
	F-T C6x8.2 BOTTOM CHORD REPLACEMENT (IN-KIND)	160 LF			
	F-T W6x8.5 VERTS REPAIR (SURFACE RUST)	18 LF			
VI	3x4 OR 3x6 VERTICAL SLATS	3x4 200 EACH 3x6 150 EACH			SEE ELEVATIONS AND 1/S-302 2/S-302
VII	6x10 TOP OR BOTTOM RAILS	6x10 300 LF			SEE ELEVATIONS AND 2/S-302

REPAIR SCHEDULE NOTES:

1. THE REPAIR DRAWINGS AND SCHEDULE ARE SHOWN TO PROVIDE AN ESTIMATE OF THE TYPE AND EXTENT OF REPAIRS THAT MAY EXIST.
2. CONTRACTOR SHALL DO A COMPLETE INSPECTION TO FIELD VERIFY AND IDENTIFY REPAIRS.
3. CONTRACTOR SHALL PROVIDE 25% CONTINGENCY OVER THE DESIGNER'S ESTIMATED QUANTITY FOR UNFORESEEN CONDITIONS.
4. CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE PLANS AND ELEVATIONS DENOTING THE LENGTH OF ALL REPAIRS. INCLUDE DATE OF INSPECTION AND WORK PLAN. IDENTIFY LOCATION AND QUANTITIES WITH RIBBON, CHALK, OR PAINT (QUANTITIES OF REPAIR, WHICH SHALL BE LISTED BY AREA AND LINEAR FEET IN ACCORDANCE WITH THE SCHEDULE).
5. CONTRACTING OFFICER SHALL VERIFY AND CONFIRM THE REPAIR TYPES AND QUANTITIES SUBMITTED IN SHOP DRAWINGS. UPON APPROVAL IN WRITING, NOTIFY CONTRACTING OFFICER FIVE DAYS PRIOR TO BEGINNING ANY REPAIR WORK. THE ARCHITECT, ENGINEER OF RECORD, AND THE MANUFACTURER'S REPRESENTATIVE SHALL BE PRESENT AT THE ONSET OF THE REPAIR WORK TO OBSERVE AND APPROVE THE REPAIR PROCEDURE. THE CONTRACTING OFFICER SHALL BE PRESENT PERIODICALLY DURING REPAIR WORK. ONLY APPROVED ADDITIONAL REPAIR QUANTITIES WILL BE PAID.
6. PERFORM REPAIRS AS APPROVED AND BY MEANS INDICATED IN THE DRAWINGS AND SPECIFICATIONS. DURING REPAIR WORK, PERIODICALLY MONITOR THE REPAIRS NOTED IN THE SHOP DRAWINGS AND NOTIFY IN WRITING ANY INCREASE OR DECREASE IN THE EXTENT OF REPAIRS, PLUS THE OCCURRENCE OF NEW DAMAGES. ANY ADDITIONAL WORK SHALL BE APPROVED BEFORE COMMENCEMENT OF WORK.
7. SUBMIT A FINAL SHOP DRAWING OF ALL REPAIRS AFTER REPAIR WORK IS COMPLETED. SHOP DRAWINGS SHALL INCLUDE THE LOCATIONS OF REPAIR TYPES AND REPAIR SCHEDULE WITH CONTRACTOR'S ACTUAL QUANTITY.
8. CONTRACTING OFFICER OR HIS REPRESENTATIVE SHALL VERIFY AND CONFIRM THE REPAIR TYPES AND QUANTITIES SUBMITTED BY THE CONTRACTOR.
9. ADDITIONAL REPAIRS/UNIT COSTS – ADDITIONAL REPAIRS BEYOND THOSE THAT ARE INDICATED IN THE CONSTRUCTION DOCUMENTS WILL BE PAID FOR ON A UNIT PRICE BASIS NOT TO EXCEED THE UNIT PRICES INDICATED IN THE CONTRACTOR'S BID PROPOSAL. CONTRACTOR SHALL NOTE HIS UNIT PRICES FOR THESE ADDITIONAL REPAIRS IN THE SPECIFICATIONS, 01001 GENERAL REQUIREMENTS 1.02 ITEM B ADDITIONAL REPAIR/UNIT COST.

2/S-001 REPAIR SCHEDULE AND QUANTITIES

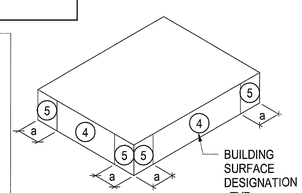
NOT TO SCALE

UNFACTORED COMPONENT AND CLADDING ROOF WIND PRESSURE

WIND PRESSURE ZONES	NEGATIVE PRESSURE ZONE		POSITIVE PRESSURE ZONE	
ROOF ZONE 3	<= 10 PSF, -97.5 PSF	>= 500 PSF, -42.9 PSF		
ROOF ZONE 2	<= 10 PSF, -74.1 PSF	>= 500 PSF, -42.9 PSF	<= 10 PSF, 22.1 PSF	>= 100 PSF, 19.5 PSF
ROOF ZONE 1	<= 10 PSF, -58.5 PSF	>= 500 PSF, -40.3 PSF		
(4) WALL ZONE 4	<= 10 PSF, -40.0 PSF	>= 500 PSF, -33.0 PSF	<= 10 PSF, 37.7 PSF	>= 500 PSF, 30.7 PSF
(5) WALL ZONE 5	<= 10 PSF, -47.0 PSF	>= 500 PSF, -33.0 PSF		

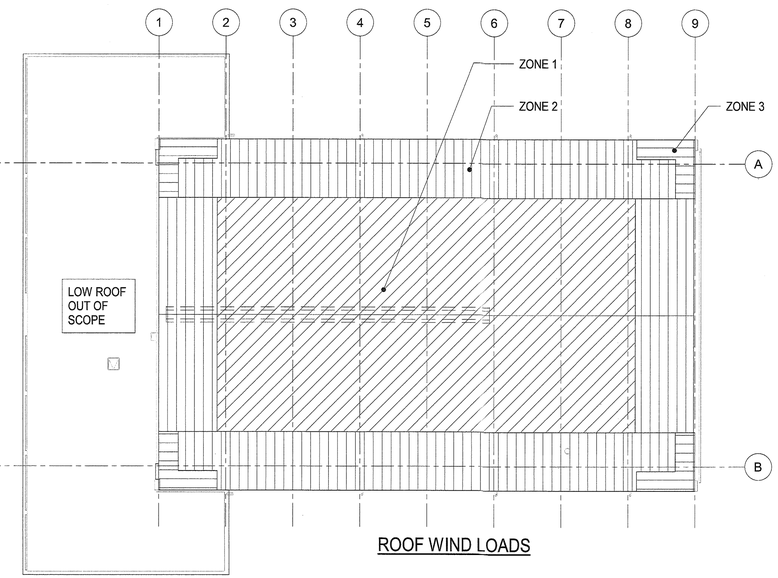
NOTES:

1. ZONES INDICATED SIMPLIFIED FLAT ROOF WIND PRESSURE ZONES REFERENCING ASCE 7-18 FIGURE 30.3-2A AND WALL PRESSURE ZONES REFERENCING ASCE 7-16 FIGURE 30.3-1.
2. LOADS INDICATED ARE UNFACTORED GROSS COMPONENTS AND CLADDING LOADS PER ASCE 7-16 CHAPTER 30 PART 1.
3. POSITIVE PRESSURE VALUES REFER TO FORCES ACTING TOWARDS THE BUILDING, NEGATIVE PRESSURE VALUES REFER TO FORCES ACTING AWAY FROM THE BUILDING.
4. END DISTANCE (a) = 9.0 FT MEASURED FROM OUTSIDE EDGE OF OVERHANG.
5. WIND PRESSURES ARE BASED ON A < 10 SF EFFECTIVE WIND AREA AND CAN BE REDUCED AS ALLOWED BY CODE. CLEARLY INDICATE ANY REDUCTION IN THE STRUCTURAL CALCULATION SUBMITTAL.
6. EFFECTIVE WIND AREA IS DEFINED IN ASCE 7-16:
   a. THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN 1/3 THE SPAN LENGTH.
   b. FOR ROOF TOP SOLAR ARRAYS, THE EFFECTIVE WIND AREA IN ASCE 7-16 FIG. 29.4-7 IS EQUAL TO THE TRIBUTARY AREA FOR THE STRUCTURAL ELEMENT BEING CONSIDERED, EXCEPT THAT THE WIDTH OF THE EFFECTIVE WIND AREA NEED NOT BE LESS THAN 1/3 ITS LENGTH.
   c. FOR CLADDING FASTENERS, THE EFFECTIVE WIND SHALL NOT BE GREATER THAN THE AREA THAT IS TRIBUTARY TO AN INDIVIDUAL FASTENERS.



1/S-001 COMPONENT AND CLADDING WIND PRESSURE DIAGRAM

NOT TO SCALE



ROOF WIND LOADS

						APPROVED
						SHT. NO.
05	05	05	05	05	05	
						DESCRIPTION
						DATE:
						REVISION

BRIAN C. MURDOCK
LICENSED PROFESSIONAL ENGINEER
No. 11208-S
HAWAII, U.S.A.

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Brian Murdock
April 30, 2028
Signature & Expiration Date

DESIGN BY: BL DRAWN BY: JT
CHECKED BY: BM DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

GENERAL NOTES AND REPAIR SCHEDULE

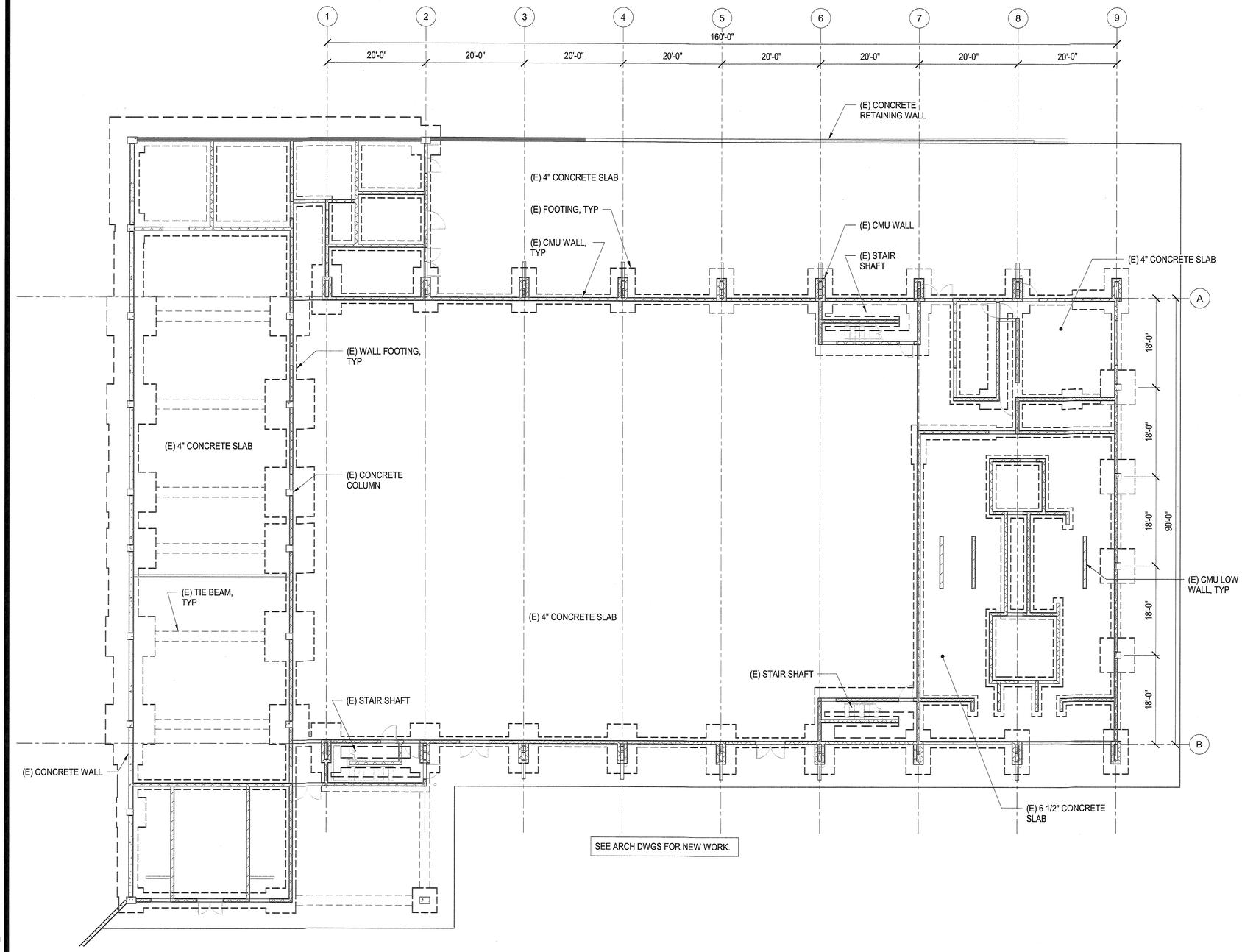
PROJECT NO.: 27 - P - 04

DRAWING NO.:

S-001

FILE NO.
42/A-70

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1 / S-101 GROUND FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NORTH

GRAPHIC SCALE: (3/32" = 1'-0") 0 5' 10' 20'

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			0F	
			0F	
			0F	
			0F	
			0F	

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T.M.K.: 1-3-24:2

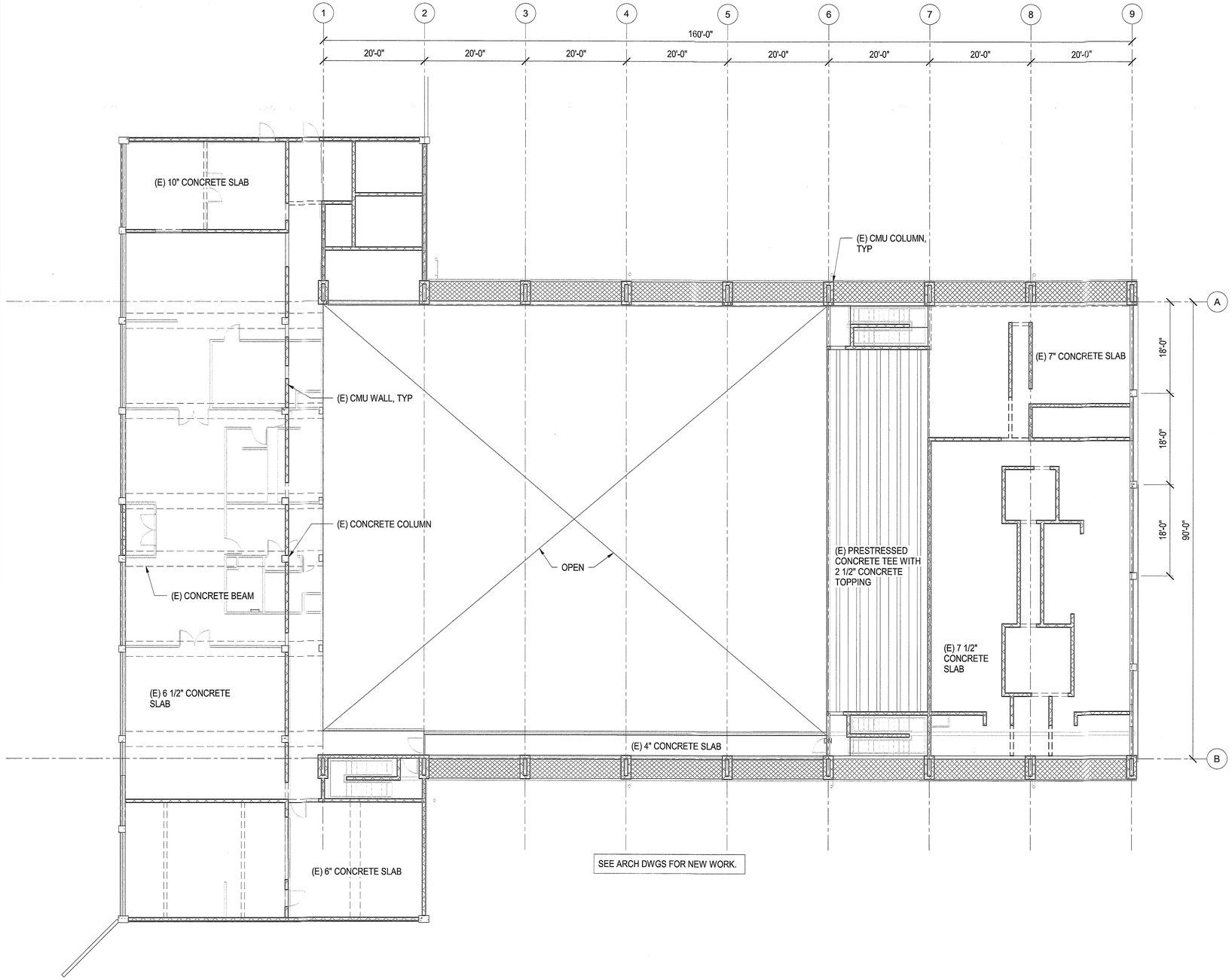
GROUND FLOOR PLAN

PROJECT NO.: 27 - P - 04

DRAWING NO.:
S-101

FILE NO.
42/A-70

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1 S-102 SECOND FLOOR PLAN

SCALE: 3/32" = 1'-0"

PLAN NORTH

GRAPHIC SCALE: (3/32" = 1'-0") 0 5' 10' 20'

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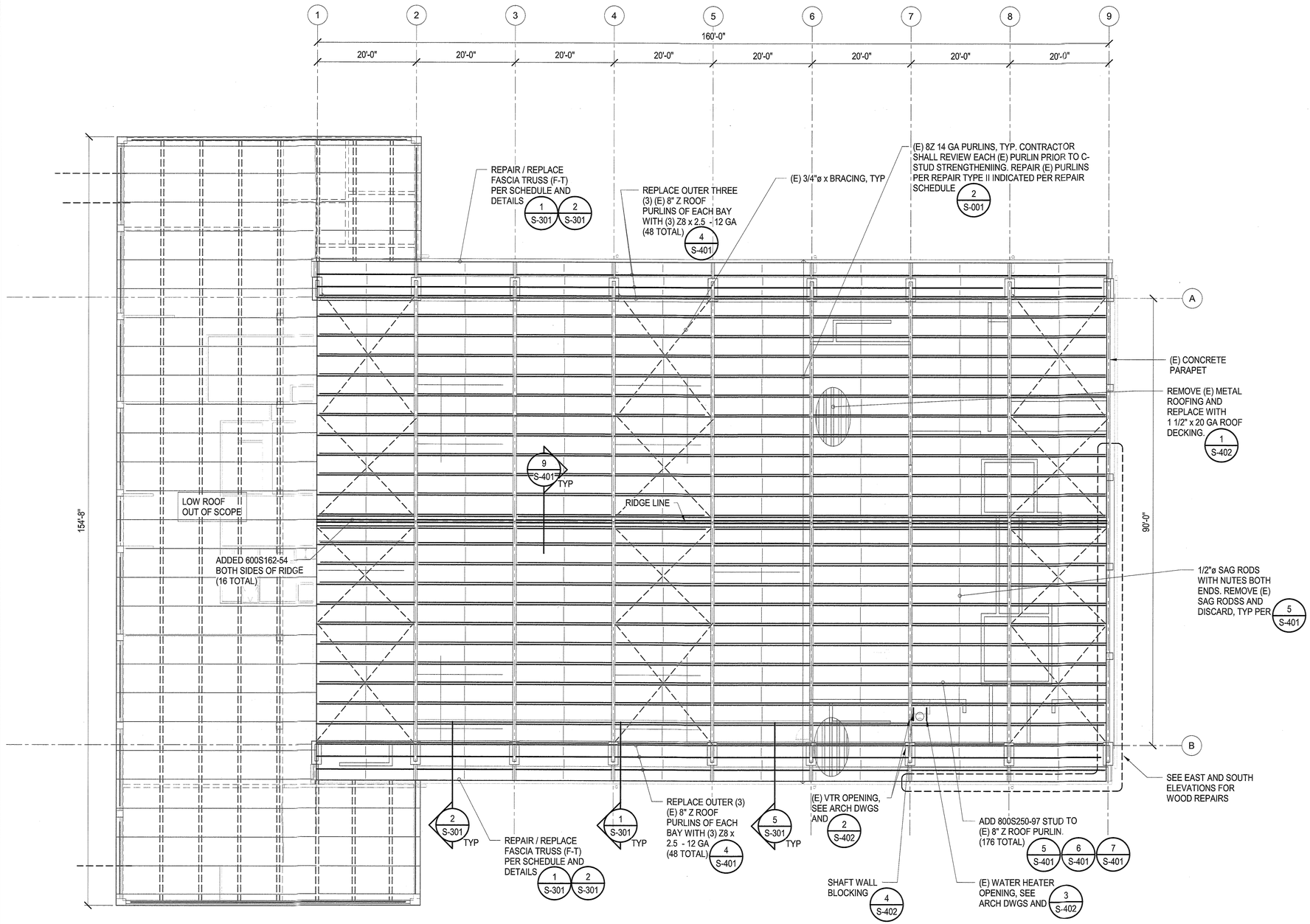
T.M.K.: 1-3-24:2

SECOND FLOOR PLAN

PROJECT NO.: 27 - P - 04

DRAWING NO.:
S-102

FILE NO.
42/A-70



METAL ROOFING REPLACEMENT NOTES:

1. REMOVE EXISTING MEMBRANE, COVER BOARD, THERMAL INSULATION, UNDERLAYMENT BOARD, AND EXISTING METAL ROOFING.
2. REPAIR / REPLACE / STRENGTHEN EXISTING METAL PURLINS AS NECESSARY. SEE PLAN, SCHEDULE, AND DETAILS.
3. INSTALL 1 1/2" x 20 GA TYPE B ROOF DECKING, SEE STEEL DECK NOTE ON S-001 AND DETAIL 1/S-402.
4. INSTALL ROOFING SYSTEM, SEE ARCH DWGS.

PLAN NORTH

1 S-103 ROOF FRAMING PLAN

SCALE: 3/32" = 1'-0"

GRAPHIC SCALE: (3/32" = 1'-0") 0 5' 10' 20'

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			0F	
			0F	
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			0F	
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KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS

T.M.K.: 1-3-24:2

1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

ROOF FRAMING PLAN

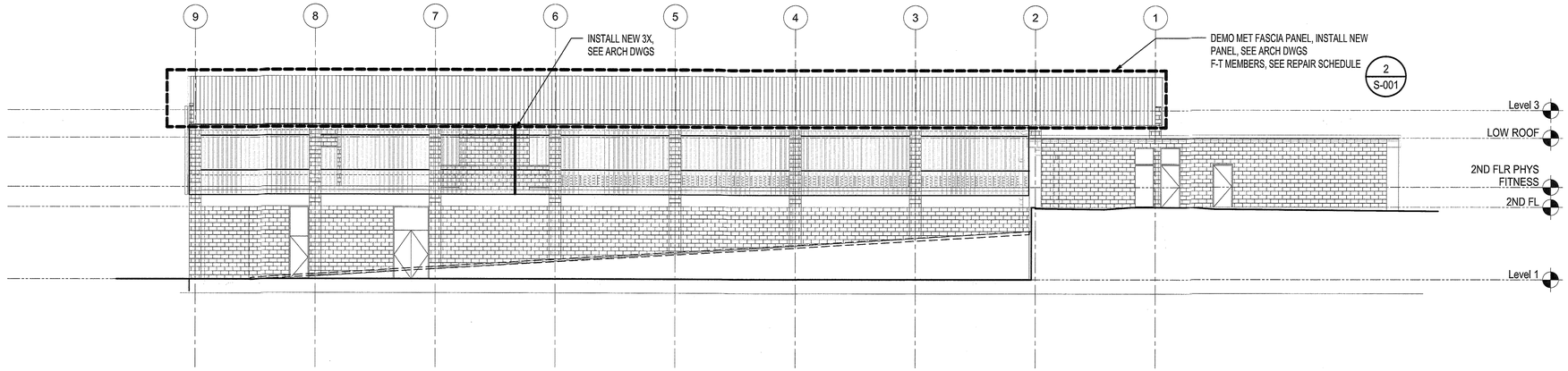
PROJECT NO.: 27 - P - 04

DRAWING NO.:

S-103

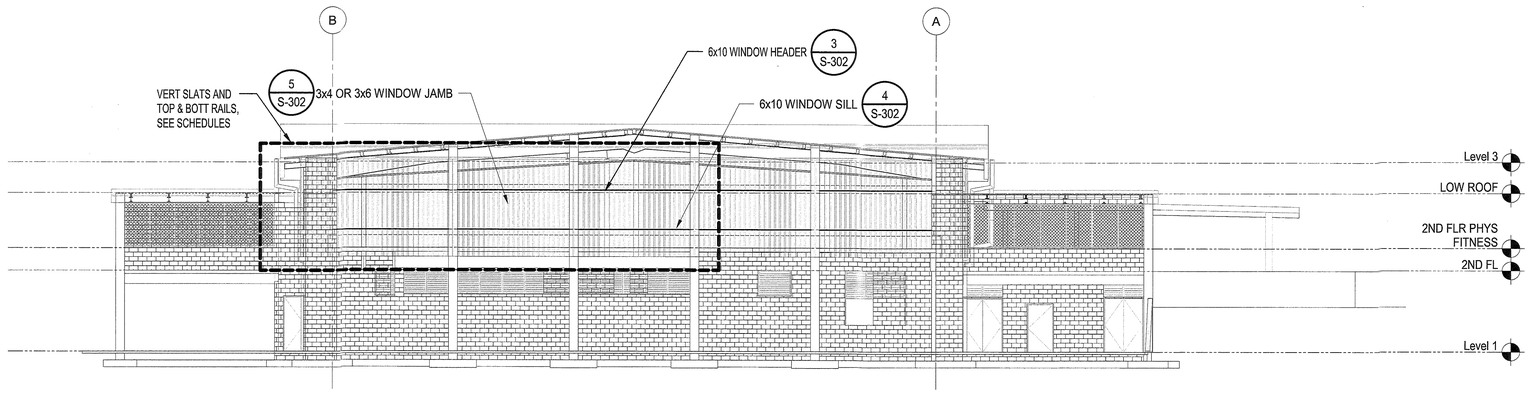
FILE NO.
42/A-70

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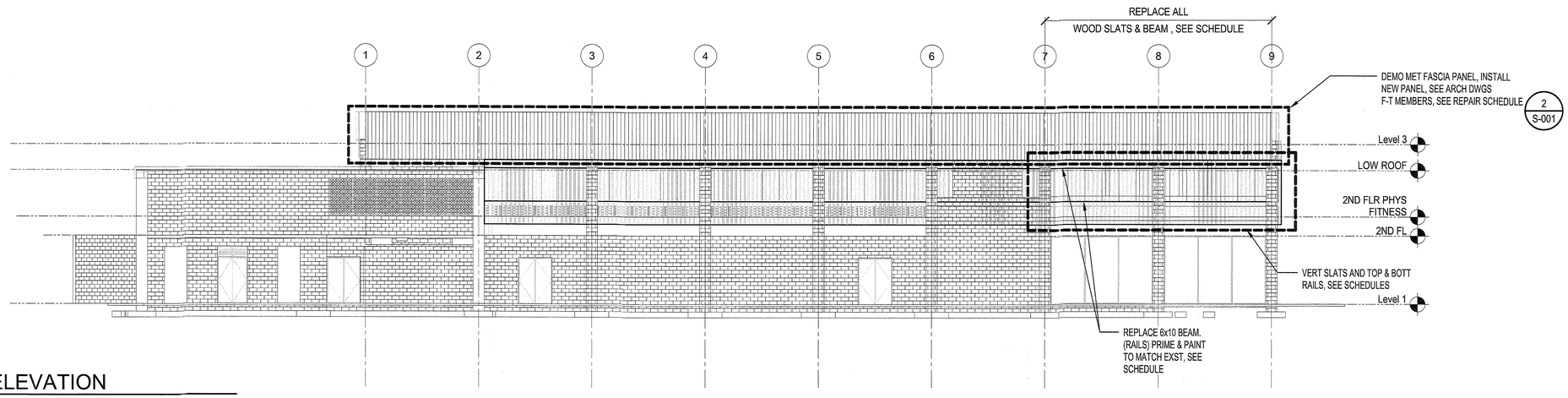
1 S-201 **NORTH ELEVATION**

SCALE: 3/32" = 1'-0"



2 S-201 **EAST ELEVATION**

SCALE: 3/32" = 1'-0"



3 S-201 **SOUTH ELEVATION**

SCALE: 3/32" = 1'-0"

GRAPHIC SCALE: (3/32" = 1'-0") 0 5' 10' 20'

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			0F	
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			0F	

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T.M.K.: 1-3-24:2
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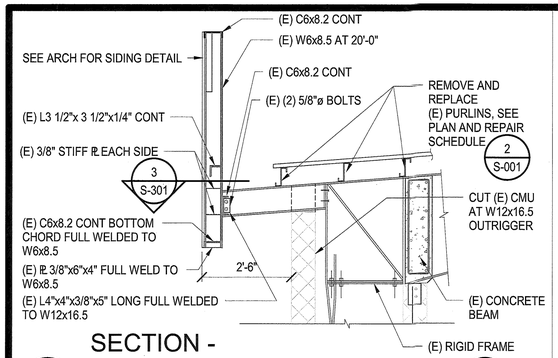
EXTERIOR ELEVATIONS

PROJECT NO.: 27 - P - 04

DRAWING NO.:
S-201

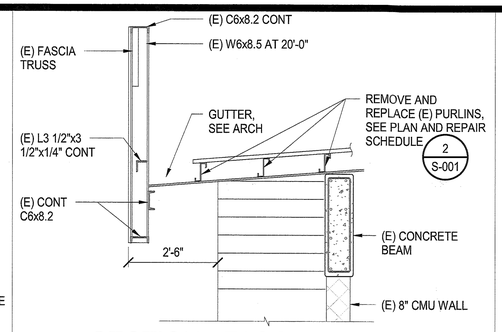
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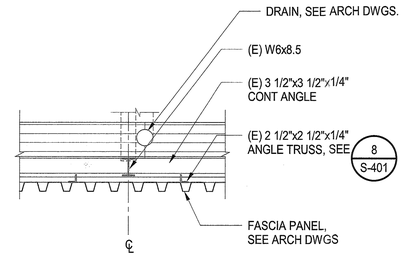
SECTION - FASCIA & EDGE

1 S-301 SCALE: 1/2" = 1'-0"



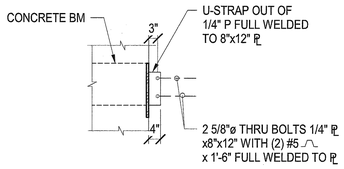
SECTION - FASCIA & EDGES REPAIR

2 S-301 SCALE: 1/2" = 1'-0"



REPLACE ROOF FASCIA - PLAN DETAIL

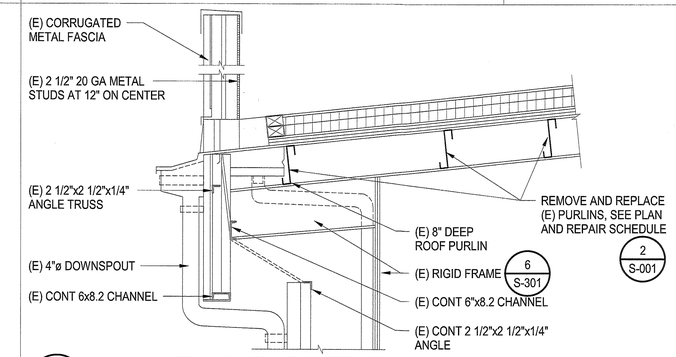
3 S-301 NOT TO SCALE



CONDITION AT CONCRETE BM AT LINE

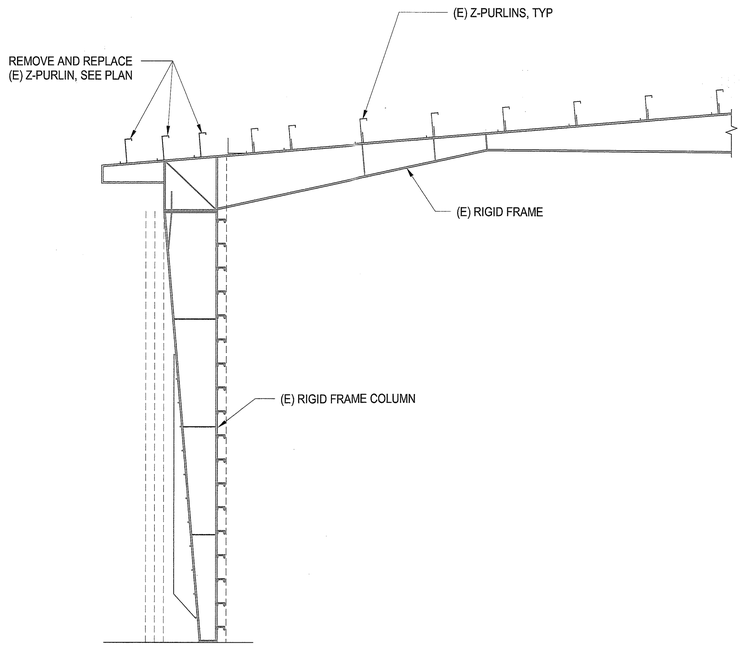
DETAIL - 6x10 RAIL REPLACEMENT

4 S-301 SCALE: 1/2" = 1'-0"



WALL FLASHING DETAIL

5 S-301 NOT TO SCALE



EXISTING RIGID FRAME DETAIL

6 S-301 NOT TO SCALE

GRAPHIC SCALE: (1/2" = 1'-0") 0 1" 2" 4"

REVISION	DATE:	DESCRIPTION	SHT. NO.	APPROVED
			SF	
			SF	
			SF	
			SF	
			SF	

BRIAN C MURDOCK LICENSED PROFESSIONAL ENGINEER No. 11208-S HAWAII, U.S.A.

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Signature & Expiration Date: April 30, 2028

DESIGN BY: DRAWN BY: DATE: 07/02/2026
CHECKED BY: ACCEPTED: Chief, Facilities Division

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CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

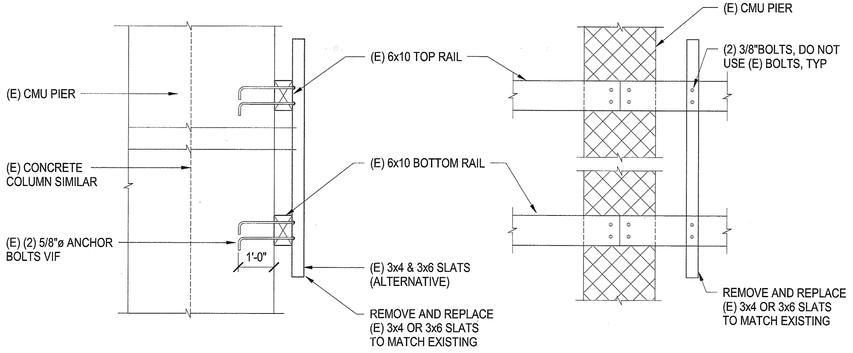
SECTIONS AND DETAILS

PROJECT NO.: 27 - P - 04

DRAWING NO.: S-301

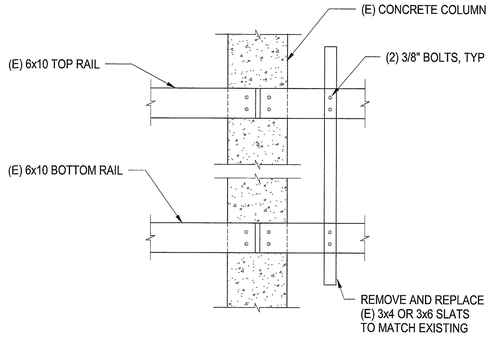
FILE NO. 42/A-70

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TYPICAL WALL SECTION

ELEV. DETAIL AT 2'-0" CMU PIER

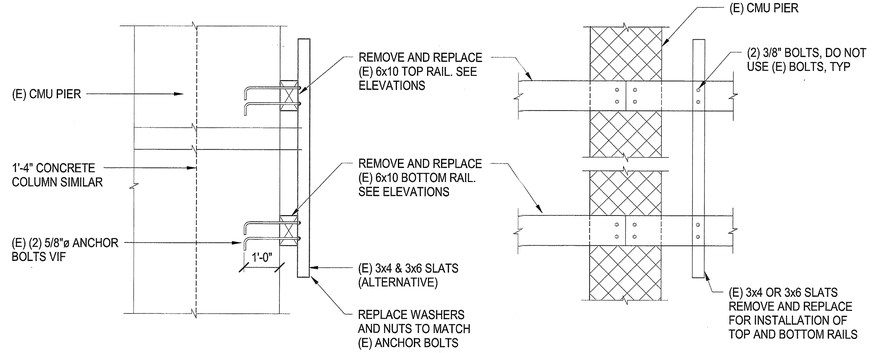


ELEV. DETAIL AT 1'-4" CONC PIER

NOTE:
1. CONDITION AT ENDS, SEE DETAIL 4 / S-301

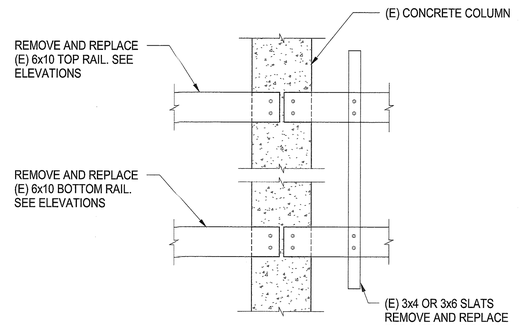
1 / S-302 VERTICAL SLAT REPLACEMENT DETAIL

NOT TO SCALE



TYPICAL WALL SECTION

ELEV. DETAIL AT 2'-0" CMU PIER

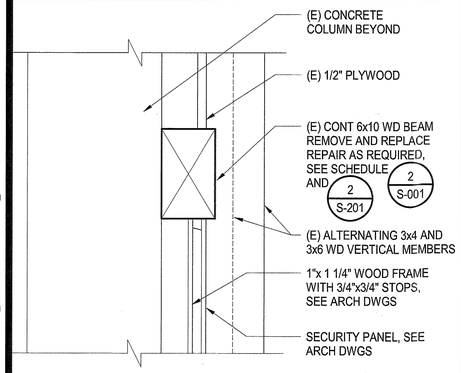


NOTE:
1. IF (E) ANCHOR BOLTS ARE NOT USABLE PROVIDE COUPLER TO EXTEND PORTION OF (E) ANCHOR BOLTS TYP.
2. CONDITION AT ENDS, SEE DETAIL 4 / S-301

ELEV. DETAIL AT 1'-4" CONC PIER

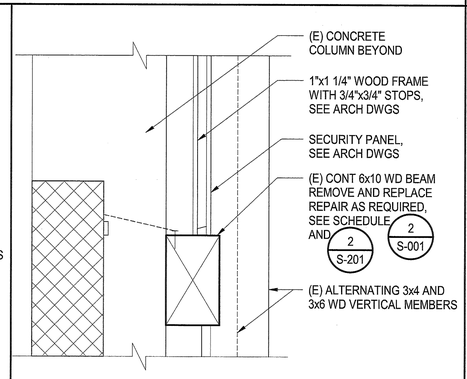
2 / S-302 BOTTOM RAIL REPLACEMENT DETAIL

NOT TO SCALE



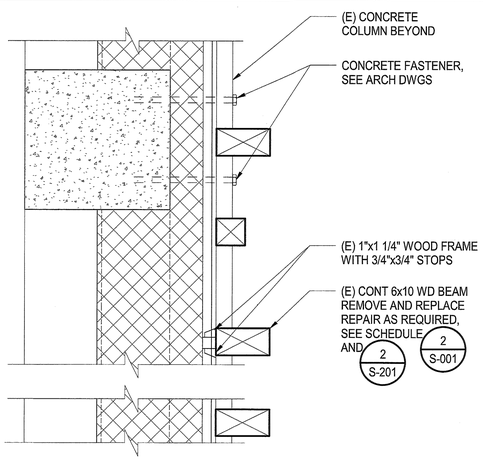
3 / S-302 WINDOW HEAD DETAIL

NOT TO SCALE



4 / S-302 WINDOW SILL DETAIL

NOT TO SCALE



5 / S-302 WINDOW JAMB DETAIL

NOT TO SCALE

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No. 11208-S
HAWAII, U.S.A.

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GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

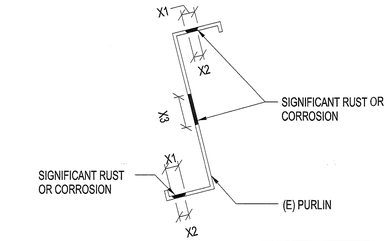
SECTIONS AND DETAILS

PROJECT NO.: 27 - P - 04

DRAWING NO.:

S-302

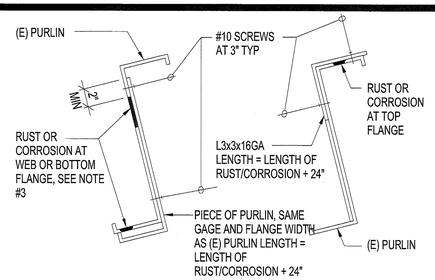
FILE NO.
42/A-70



NOTES:
1. SEE PURLIN REPLACEMENT/REPAIR NOTES ON SHEET S-001
2. REPLACE (E) PURLIN IF AVERAGE OF X1 AND X2 IS > 0.5" [(X1+X2)/2 > 0.5"] AT TOP OR BOTTOM FLANGE OR IF X3 IS > 1" AT WEB. ALONG ANY PORTION OF THE PURLIN.
3. REPLACEMENT PURLIN SHALL HAVE SAME DEPTH, GAGE AND FLANGE WIDTH AS (E) PURLIN.
4. REPAIR (E) PURLIN AT INTERIOR LOCATIONS, IN LIEU OF REPLACEMENT, PER DETAIL 2/S-401

1 S-401 PURLIN REPLACEMENT DETAIL

NOT TO SCALE



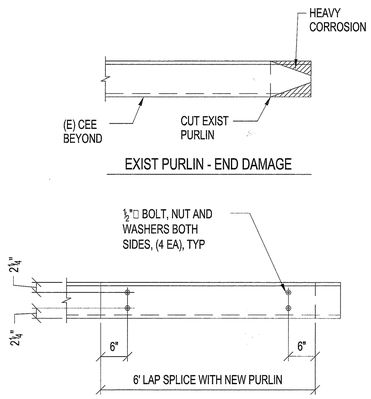
A WEB OR BOTTOM FLANGE DAMAGE

B TOP FLANGE DAMAGE

NOTES:
1. SEE PURLIN REPLACEMENT/REPAIR NOTES ON SHEET S001.
2. INTERIOR PURLINS ONLY, EXTERIOR PURLINS SHALL BE REPLACED.
3. PURLINS WITH RUST/CORROSION ON TWO OR MORE LOCATIONS (SURFACES) IN THE SAME VICINITY SHALL BE REPLACED AND NOT REPAIRED.

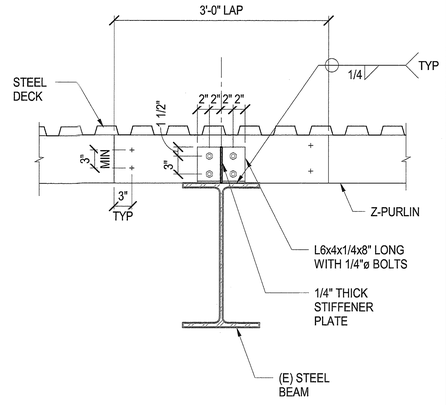
2 S-401 EXISTING PURLIN REPAIR DETAIL

NOT TO SCALE



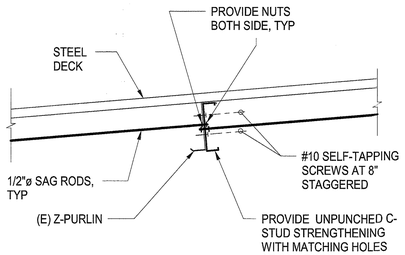
3 S-401 PURLIN END DAMAGE REPAIR DETAIL

NOT TO SCALE



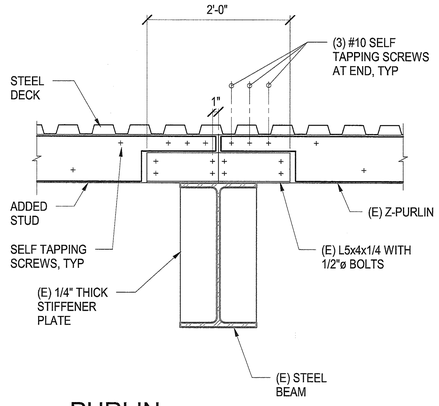
4 S-401 NEW PURLIN CONNECTION

NOT TO SCALE



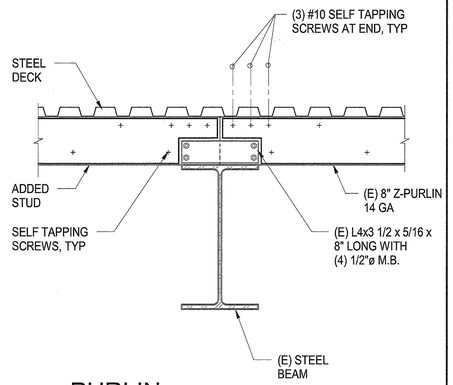
5 S-401 PURLIN STRENGTHENING DETAIL

NOT TO SCALE



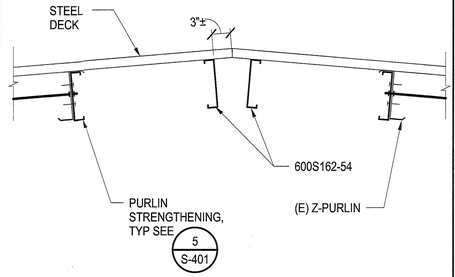
6 S-401 PURLIN STRENGTHENING CONNECTION

NOT TO SCALE



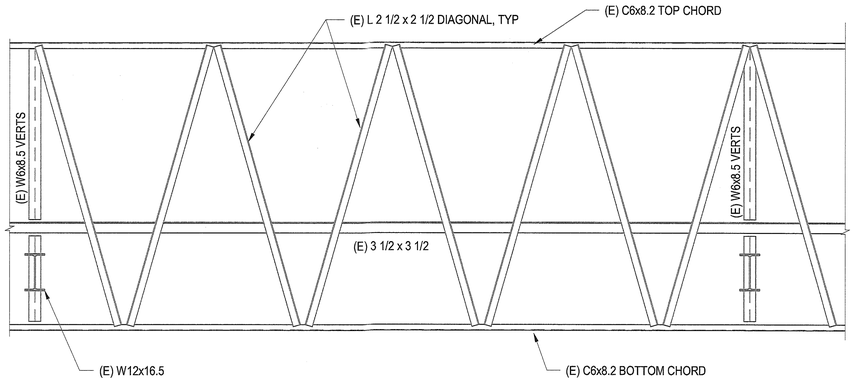
7 S-401 PURLIN STRENGTHENING CONNECTION

NOT TO SCALE

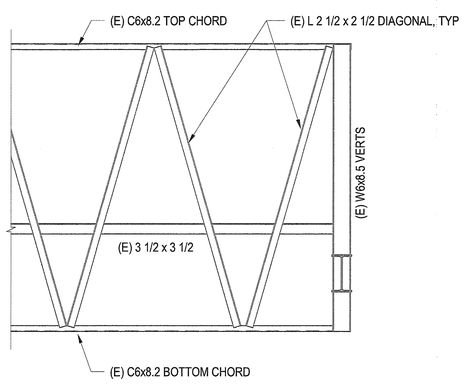


9 S-401 ROOF RIDGE STRENGTHENING DETAIL

NOT TO SCALE



MID-SPAN CONDITION



END CONDITION

NOTE:
1. FOR ESTIMATED QUANTITY OF REPAIRS SEE 2/S-001.
2. AT (E) STEEL TOP CHORDS, BOTTOM CHORDS, AND DIAGONALS, REMOVE AND REPLACE MEMBERS MORE THAN 10% SECTION LOSS. REPLACE MEMBERS WITH LIKE KIND WITH FILLET WELDS ALL AROUND.
3. AT MOST CORRODED TOP CHORDS, BOTTOM CHORDS, DIAGONALS, AND VERTS (EXCLUDING REPLACED ELEMENTS IN NOTE 2 ABOVE) UP TO LINEAR FEET FOR EACH ELEMENT INDICATD ON REPAIR SCHEDULE 2/S-001, GRIND OFF (E) CORROSION AND COAT WITH ZINC-RICH PRIMER.

8 S-401 FASCIA TRUSS FT-1 DETAIL

NOT TO SCALE

REVISION	DATE:	DESCRIPTION	SHT. NO.	APPROVED
			SF	
			SF	
			SF	
			SF	
			SF	

BRIAN C MURDOCK
LICENSED PROFESSIONAL ENGINEER
No. 11208-S
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

April 30, 2026
Signature & Expiration Date

DESIGN BY:
DRAWN BY:
CHECKED BY:
DATE: 07/02/2026
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
GYMNASIUM ROOF IMPROVEMENTS
1911 KAMEHAMEHA IV ROAD, HONOLULU, HAWAII 96819

T.M.K.: 1-3-24:2

SECTIONS AND DETAILS

PROJECT NO.: 27 - P - 04

DRAWING NO.:

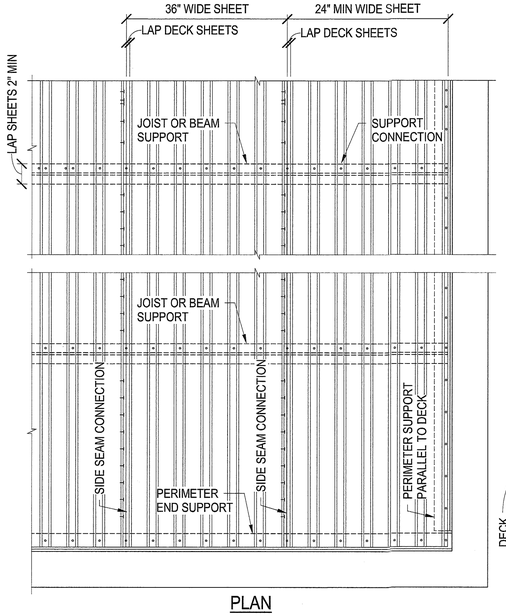
S-401

FILE NO.
42/A-70

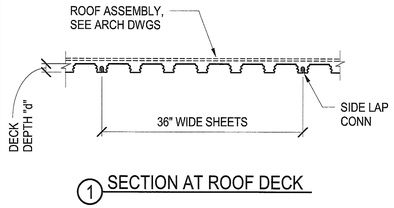
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STEEL DECK SCHEDULE

LOCATION	TYPE	MINIMUM SECTION PROPERTIES			CONCRETE TOPPING	DECK FASTENING			REMARKS
		I (in^4)	+S (in^3)	-S (in^3)		AT SUPPORT PER 36" SHEET WIDTH	SIDE SEAM CONNECTOR	AT SUPPORT OR MEMBER PARALLEL TO DECK	
ROOF	1 1/2"x20 GAUGE	0.197	0.224	0.229	N/A	NO. 12 SELF DRILLING SCREWS WITH 36/7 FASTENER PATTERN	NO. 12 SCREWS OR CRIMP SPACED AT 12"	NO. 12 SELF DRILLING SCREWS	1 1/2" TOTAL THICKNESS



PLAN

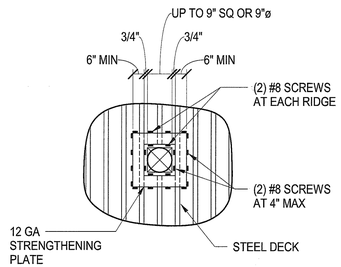


1 SECTION AT ROOF DECK

1 / S-402 **STEEL DECK SCHEDULE**

NOT TO SCALE

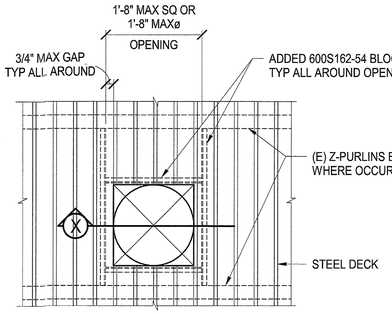
NOTE:
PLATE TO BE FURNISHED AND INSTALLED BY DECK CONTRACTOR.



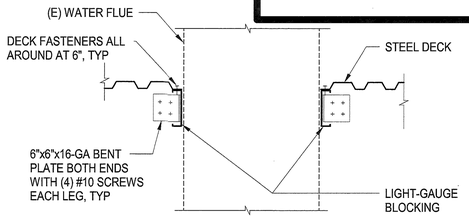
PLAN

2 / S-402 **TYPICAL SMALL OPENING AT VTR DETAIL**

NOT TO SCALE



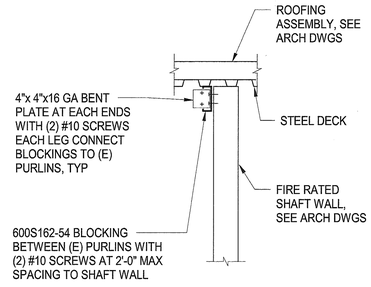
PLAN



X SECTION

3 / S-402 **TYPICAL OPENING AT LARGE FLUE DETAIL**

NOT TO SCALE



4 / S-402 **TYPICAL SHAFT WALL BLOCKING DETAIL**

NOT TO SCALE

REVISION	DATE:	DESCRIPTION	SHT. NO.	APPROVED
			of	
			of	
			of	
			of	
			of	

BRIAN C MURDOCK
LICENSED PROFESSIONAL ENGINEER
No. 11208-S
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects".)

April 30, 2028
Signature & Expiration Date

DESIGN BY:
DRAWN BY:
DATE: 07/02/2026
CHECKED BY:
ACCEPTED:
Chief, Facilities Division

DEPARTMENT OF DESIGN AND CONSTRUCTION
CITY & COUNTY OF HONOLULU

KALIHI VALLEY DISTRICT PARK
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T.M.K.: 1-3-24:2

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DRAWING NO.:

S-402

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