

GENERAL

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS.
- THE STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, WIND AND SEISMIC LOADING. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS NOR RELIEVE THE CONTRACTOR OF HIS/HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING DEWATERING, LAGGING, SHORING AND PROTECTION OF PROPERTY AND UTILITIES.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE CONTRACTING OFFICER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. SHOULD THERE BE ANY CONFLICTS BETWEEN THE REQUIREMENTS OF THE DRAWINGS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO PERFORMING THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR SCAFFOLDING, BARRICADES, WORK PLATFORMS AND SAFETY AT THE JOB SITE. TEMPORARY BRACING AND SHORING OF ELEMENTS UNDER REPAIR AS REQUIRED FOR STRUCTURAL STABILITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL PROTECT EXISTING SURFACES AND OBJECTS TO REMAIN FROM DAMAGE. ANY ITEMS DAMAGED DURING CONSTRUCTION AS A RESULT OF THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE CONTRACTING OFFICER AND AT NO ADDITIONAL COST.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ELEVATIONS, SIZE AND LOCATION OF ALL FLOOR AND WALL OPENINGS, FLOOR SLOPES AND FINISHES, ETC.
- SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS REQUIRED FOR DUCTS, PIPES AND ALL PIPE SLEEVES, ELECTRICAL CONDUITS AND OTHER ITEMS TO BE EMBEDDED IN CONCRETE OR OTHERWISE INCORPORATED IN STRUCTURAL WORK.
- STRUCTURAL SPECIAL INSPECTION REQUIREMENTS:

ALL SPECIAL INSPECTIONS SHALL BE DONE PER IBC SPECIAL INSPECTIONS PROVISIONS OF SECTION 1705 OF THE 2018 INTERNATIONAL BUILDING CODE GOVERNING PORTIONS OF THE STRUCTURAL WORK SHOWN IN THE STRUCTURAL DRAWINGS.

THE OWNER SHALL HIRE AND PAY FOR ALL THIRD PARTY STRUCTURAL SPECIAL INSPECTIONS. CONTRACTOR SHALL HIRE AND PAY FOR CERTIFIED TESTING SERVICES COMPANY. THE CONTRACTOR SHALL NOTIFY SPECIAL INSPECTOR AND TESTING AGENCY AT LEAST 3 WORKING DAYS IN ADVANCE FOR WORK TO BE PERFORMED REQUIRING SPECIAL INSPECTION. THE CONSTRUCTION OF THE FOLLOWING STRUCTURAL WORK SHALL REQUIRE SPECIAL INSPECTION:

- A. INFILL CAST-IN-PLACE CONCRETE = REQUIRED
- B. INFILL REINFORCING STEEL = REQUIRED
- C. HIGH STRENGTH BOLTING = REQUIRED
- D. FIELD WELDING = REQUIRED
- E. EPOXY EMBEDS = REQUIRED

SPECIAL INSPECTIONS DO NOT TAKE THE PLACE OF CONTRACTOR'S QUALITY CONTROL MEASURES. SPECIAL INSPECTION DOES NOT RELIEVE THE GENERAL CONTRACTOR OF HIS RESPONSIBILITIES TO PERFORM QUALITY ASSURANCE AND QUALITY CONTROL, TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND TO PROVIDE SAFETY ON THE JOB SITE. CONTRACTOR SHALL PROVIDE ACCESS FOR THE SPECIAL INSPECTOR SUCH AS LADDERS, SCAFFOLDING, FALL PROTECTION, MANLIFT, ETC. CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE CONTRACTING OFFICER AND PAY FOR ANY RE-INSPECTIONS ON NON-CONFORMING WORK.

DEMOLITION NOTES

- CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING FOR ALL DEMOLITION WORK.
- DRAWINGS ARE BASED ON INFORMATION FROM AVAILABLE RECORD DRAWINGS AND SITE INVESTIGATION TO LIMITED ACCESSIBLE AREAS. ALL EXISTING DIMENSIONS SHALL BE VERIFIED BY CONTRACTOR IN FIELD PRIOR TO STARTING WORK. ANY DISCREPANCIES WITH DRAWINGS SHALL BE BROUGHT TO THE CONTRACTING OFFICER'S ATTENTION PRIOR TO STARTING WORK.
- DO NOT DAMAGE EXISTING REINFORCING BARS TO REMAIN IN CONCRETE. ALL REINFORCING SHALL BE LOCATED BY NON-DESTRUCTIVE METHODS PRIOR TO DRILLING, CHIPPING AND CUTTING. REPAIR AREAS SHALL NOT BE OVERCUT.
- ALL DEMOLISHED MATERIAL SHALL BE PROPERLY DISPOSED OF OFF SITE BY CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE CITY, STATE AND FEDERAL CODES AND REGULATIONS.
- PROVIDE ADEQUATE PROTECTION FOR EXISTING STRUCTURES TO REMAIN. REPAIR AND/OR REPLACE AT CONTRACTOR'S EXPENSE ANY EXISTING SITE FEATURES TO REMAIN THAT ARE DAMAGED DURING THE WORK TO PRE-EXISTING CONDITIONS OR BETTER.

CONCRETE

- CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 318, UON.
- ALL CONCRETE UNLESS OTHERWISE NOTED SHALL BE NORMAL WEIGHT HARD ROCK TYPE (150#/CU. FT.) PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BE SUBMITTED TO THE CONTRACTING OFFICER FOR REVIEW.
- SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES:
ALL CONCRETE, UON = 4,000 PSI (W/C = 0.50 MAX)
- CLEAR COVERAGE OF CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS, UON:
 - A. SLAB ON GRADE = 1-1/2" CLEAR AT TOP
 - B. FORMED SURFACES EXPOSED TO EARTH OR WEATHER, UON = 2" CLEAR TO TIES
 - C. INTERIOR SURFACES NOT EXPOSED TO EARTH OR WEATHER, UON = 2" CLEAR TO TIES
 - D. CONCRETE POURED DIRECTLY AGAINST EARTH = 3"
- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE CONTRACTING OFFICER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
- CONTRACTOR SHALL PROVIDE THE CONTRACTING OFFICER, STRUCTURAL ENGINEER AND SPECIAL INSPECTOR A SCHEDULE SPECIFYING CONCRETE POURS IN UPCOMING THREE WEEKS.
- CONCRETE ADMIXTURES CONTAINING CHLORIDE OR CHLORIDE SALTS SHALL NOT BE USED.
- ALL ROUGHENED SURFACES IN CONCRETE SHALL BE MADE WITH A MINIMUM AMPLITUDE OF 1/4".
- PROVIDE CHAMFER AT ALL EXPOSED EDGES.

REINFORCING STEEL

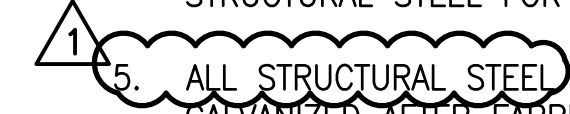
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 REQUIREMENTS.
- REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
- ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "ACI DETAILING MANUAL - LATEST EDITION" (SP-66) AS MODIFIED BY THE PROJECT DRAWINGS.
- CONTRACTOR SHALL SUBMIT REINFORCING BAR LAYOUTS AND DETAILS FOR CONTRACTING OFFICER'S REVIEW PRIOR TO FABRICATION. FABRICATE FROM REVIEWED DRAWINGS ONLY. PHOTO COPIES AND DUPLICATES OF CONSTRUCTION DOCUMENTS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED.
- DOWELS BETWEEN FOOTING AND WALL OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING OR NUMBERS AS THE VERTICAL REINFORCING RESPECTIVELY, UON.
- WLDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4 "AWS STRUCTURAL WELDING CODE - REINFORCING STEEL" OF THE AMERICAN WELDING SOCIETY, LATEST EDITION.

EPOXY MATERIAL FOR EPOXY EMBEDDED CONNECTIONS

- REFER TO DRAWINGS FOR AREAS THAT REQUIRE EPOXY EMBEDDED CONNECTIONS.
- EPOXY SHALL BE INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER INSTALLATION INSTRUCTIONS. HOLES SHALL BE PROPERLY CLEANED BY AIR HOSE AND/OR MANUFACTURER AIR NOZZLES.
- DO NOT OVER DRILL DEPTH OF HOLE BEYOND WHAT IS REQUIRED BY THE EPOXY MANUFACTURER'S RECOMMENDATIONS. THE DIAMETER OF THE HOLE SHALL FOLLOW THE EPOXY MANUFACTURER'S RECOMMENDATIONS.
- CONFIRM EPOXY EXPIRATION DATE SHOWN ON PACKAGING.
- CONTRACTOR SHALL SUBMIT PRODUCT DATA OF PROPOSED PRODUCT INCLUDING INTERNATIONAL CODE COUNCIL EVALUATION REPORTS FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.
- TO PREVENT DAMAGE, LOCATE EXISTING STEEL REINFORCING BY NON-DESTRUCTIVE METHODS PRIOR TO DRILLING HOLES. CONTRACTOR IS RESPONSIBLE FOR REPAIR OF EXISTING REINFORCING IF DAMAGE IS CAUSED.
- EPOXY ADHESIVE SHALL BE SIMPSON SET-3G EPOXY, HILTI HIT-HY 200-R V3, OR PRE-REVIEWED EQUAL.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL SECTIONS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
 - TUBES = A500, GRADE C
 - CHANNELS, ANGLES, PLATES, MISC. STEEL = A36
 - ANCHOR BOLTS, THREADED RODS = F1554, GRADE 36
- ALL BOLT ASSEMBLIES SHALL BE HIGH STRENGTH TENSION CONTROL "TWIST OFF" BOLTS PER ASTM F3125 (GRADE F1852) TYPE 1, UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE TORQUED PER ASTM F3125 UNTIL SPLINE END HAS PROPERLY SHEARED. ALL BOLT ASSEMBLIES SHALL BE PROVIDED WITH AN ASTM A563 DH NUT AND ASTM F436 TYPE 1 PLAIN WASHERS ON EACH FACE UNLESS OTHERWISE NOTED. EACH COMPONENT OF EXTERIOR EXPOSED BOLT ASSEMBLIES SHALL BE MECHANICALLY GALVANIZED PER ASTM B695 CLASS 55 MINIMUM TYPE I.
- THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL FOR ENGINEER'S REVIEW BEFORE FABRICATION.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION. ALL WELDS AFTER HOT-DIP GALVANIZING SHALL BE GROUND SMOOTH AND COATED WITH TWO COATS OF ZRC COLD GALVANIZING.
- ANCHOR BOLTS, THREADED RODS, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
- BOLT HOLES IN STEEL SHALL BE 1/16" LARGER DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS OTHERWISE NOTED.
- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PAINTING REQUIREMENTS.



| REVISION NO. | SYM. | DESCRIPTION | SHT./OF | DATE | APPROVED |
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

ANUENUE FISHERIES RESEARCH CENTER
ANNEX FACILITY IMPROVEMENTS - PHASE 1A
(BUILDING IMPROVEMENTS)
SAND ISLAND, O'AHU, HAWAII

STRUCTURAL GENERAL NOTES

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|--------------|-----------------------|
| DESIGNED: DN | SUBMITTED: APRIL 2026 |
| DRAWN: LL | DATE: APRIL 2026 |
| CHECKED: GG | SCALE: AS NOTED |

APPROVED: **May 18, 2026**
CHIEF ENGINEER DATE

DRAWING NO.
S001

DEPARTMENT OF LAND AND NATURAL RESOURCES (DLNR) NOTES

1. ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF THE STATE OF HAWAII, DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", DATED 2005; THE CITY AND COUNTY OF HONOLULU AND THE COUNTIES OF KAUAI, MAUI, AND HAWAII, DEPARTMENT OF PUBLIC WORKS "STANDARD SPECIFICATION FOR PUBLIC WORK CONSTRUCTION", SEPTEMBER 1986 AND "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", SEPTEMBER 1984 WHERE APPLICABLE AND THE APPLICABLE STATE BUILDING CODES AS ADOPTED BY THE STATE BUILDING CODE COUNCIL.
2. VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR DIRECTION.
3. DURING THE PERFORMANCE PERIOD OF THIS CONTRACT, THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE CONTROL AND RESPONSIBILITY OF THE JOBSITE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE SITE SAFETY CONDITIONS FOR ALL PERSONS ENTERING THE JOBSITE, THE CONDITION OF THE SITE AND ALL EXISTING IMPROVEMENTS, AND FOR ALL MATERIAL AND EQUIPMENT STORED AT THE PROJECT SITE.
4. BLASTING IS NOT ALLOWED.
5. IN THE EVENT HISTORIC REMAINS, SUCH AS ARTIFACTS, BURIALS, OR CONCENTRATIONS OF SHELL OR CHARCOAL ARE ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, WORK SHALL IMMEDIATELY CEASE IN THE VICINITY OF THE ENCOUNTER, NOTIFY THE STATE HISTORIC PRESERVATION DIVISION AT (808) 692-8015, FOR AN ASSESSMENT OF THE ENCOUNTER AND RECOMMENDATIONS ON MITIGATION MEASURES.
6. CONSTRUCT TEMPORARY BARRICADES DURING CONSTRUCTION, FOR SAFETY AND THE PROTECTION OF LIFE AND PROPERTY.
7. THE DEPARTMENT OF LAND AND NATURAL RESOURCES, DIVISION OF AQUATIC RESOURCES SHALL REMAIN OPEN DURING THE CONSTRUCTION PERIOD. PROVIDE TEMPORARY BARRICADES AND WARNING SIGNS FOR THE SAFETY AND PROTECTION OF THE PUBLIC AND MAINTAIN SAFE PEDESTRIAN AND VEHICLE ACCESS TO THE FACILITY AS REQUIRED. PROVIDE AND MAINTAIN ALL NECESSARY SIGNS AND PROTECTIVE FACILITIES AND TAKE NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC.
8. EXISTING PEDESTRIAN WALKWAYS SHALL BE MAINTAINED IN A PASSABLE CONDITION OR PROVIDE FOR ALTERNATE/TEMPORARY ACCESSIBLE PEDESTRIAN ACCESS ROUTES AND FACILITIES PER THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN CHAPTER 2, ADAAG 201.3, AND ADAAG 206.1.
9. DO NOT PERFORM ANY CONSTRUCTION ACTIVITIES THAT CAUSE ROCKS, SOIL, OR DEBRIS IN ANY FORM TO FALL, SLIDE, OR FLOW ONTO ADJOINING PROPERTIES, STREETS, OR NATURAL WATER COURSES. FINES DUE TO VIOLATIONS AND ANY NECESSARY REMEDIAL ACTIONS SHALL BE BORNE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
10. AS APPLICABLE, COORDINATE CONSTRUCTION ACTIVITIES WITH ADJACENT CONSTRUCTION SITE(S). AVOID CAUSING ANY DELAYS OR HINDERANCE OF WORK OR PERFORMANCE TO THE ADJACENT CONSTRUCTION SITE(S). REFERENCE CONDITIONS OF THE CONTRACT AND/OR GENERAL REQUIREMENTS FOR ANY OCCUPANCY RESTRICTIONS OR REQUIREMENTS DURING CONSTRUCTION.
11. THE UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM HIS SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA.
12. COORDINATE ALL SITE UTILITY WORK WITH "THE ONE CALL CENTER" AT (866) 423-7287 AT LEAST 5 WORKING DAYS PRIOR TO THE START OF EXCAVATION OR TRENCHING.
13. VERIFY AND COORDINATE THE ACTUAL LOCATION OF ALL SITE UTILITIES WITH THE RELATED AGENCIES AND UTILITY COMPANIES IN THE PROJECT AREA PRIOR TO EXCAVATING.
14. WHEN CONNECTING NEW UTILITIES TO EXISTING, EXPOSE THE EXISTING UTILITY LINES AT THE DENOTED CONNECTION POINT TO VERIFY CHARACTERISTICS PRIOR TO COMPLETING EXCAVATION FOR NEW UTILITIES.
15. VERIFY AND COORDINATE THE ACTUAL LOCATION OF ALL SITE UTILITIES WITH THE RELATED AGENCIES AND UTILITY COMPANIES IN THE PROJECT AREA PRIOR TO EXCAVATING.
16. IF WATER, SEWAGE OR ELECTRICAL SERVICES ARE PLANNED TO BE INTERRUPTED FOR MORE THAN 1 HOUR, PROVIDE FOR TEMPORARY WATER, SEWAGE, AND ELECTRICAL SERVICES DURING THE INTERRUPTION AT NO ADDITIONAL COST TO THE STATE.
17. ALL EXISTING UTILITIES, SHOWN ON THE PLANS OR UNCOVERED, SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION.
18. ANY DAMAGED UTILITIES, AS A RESULT OF CONTRACTOR OPERATIONS, SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE STATE.
19. ADJUST MANHOLE AND /OR VALVE BOX FRAMES AND COVERS AS REQUIRED BY THE UTILITY COMPANIES AND AGENCIES.

21. CONFORM WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, WATER QUALITY STANDARDS, AND CHAPTER 55, WATER POLLUTION CONTROL, OF TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.
 22. PLAN, CONSTRUCT AND UTILIZE ALL BEST MANAGEMENT PRACTICES (BMP) AS REQUIRED TO COMPLY WITH THE LAWS, STANDARDS, RULES, AND /OR POLICIES OF THE COUNTY, STATE, OR FEDERAL REGULATORY AGENCIES.
 23. OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM THE APPROPRIATE GOVERNMENT AGENCIES.
 24. RESTORE ALL AREAS DISTURBED OR DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES, TO EQUAL OR BETTER CONDITION(S), INCLUDING BUT NOT LIMITED TO VEGETATION, PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALKWAYS, FENCES, ETC. UNLESS SPECIFICALLY NOTED OTHERWISE.
 25. PROVIDE THEFT-RESISTANT FASTENERS FOR ALL MOUNTING ACCESSORIES.
 26. PROVIDE ALL INCIDENTAL AND NECESSARY MATERIALS AND LABOR TO COMPLETE THE PROJECT.
 27. THE JOB SITE SHALL BE LEFT IN A SAFE AND SECURE CONDITION AT THE END OF EACH WORKDAY. CLEAN UP AND REMOVE ALL RUBBISH FROM THE JOB SITE ON A DAILY BASIS. MAINTAIN THE WORK AREA AND PREMISES IN A CLEAN ORDERLY CONDITION AT ALL TIMES.
 28. PRIOR TO ACCEPTANCE OF THE PROJECT BY THE STATE, CLEAN UP AND REMOVE ALL RUBBISH AND DEBRIS FROM THE ENTIRE JOB SITE.
- SPECIAL INSPECTIONS
29. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SPECIAL INSPECTIONS BY HIRING AN INDEPENDENT THIRD PARTY TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE BUILDING CODE AT THE APPROPRIATE TIME AT NO ADDITIONAL COST TO THE STATE. FREQUENCY OF INSPECTIONS IS DEFINED IN THE IBC, SECTION 1704 TABLES, AS AMENDED BY THE COUNTY. THE CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE STATE AND PAY FOR RE-INSPECTION AS REQUIRED.



GENERAL NOTES

1. CONSTRUCTION DOCUMENTS REASONABLY DESCRIBE THE INTENT OF THE QUALITY AND SCOPE OF THE CONSTRUCTION FOR THE PROJECT. WHERE DETAILS ARE NOT SHOWN, THE CONTRACTOR SHALL PROCEED WITH THE WORK WITH AN ACCEPTED QUALITY DEPICTED FROM CONTRACTOR STANDARDS AND PROCEDURES OF THE CONSTRUCTION INDUSTRY IN THE STATE OF HAWAII AS WELL AS THE GENERAL INTENT OF THE CONSTRUCTION DOCUMENTS. CLARIFICATION MAYBE SUBMITTED TO THE CONTRACTING OFFICER FOR REVIEW BEFORE PROCEEDING.
2. CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND COORDINATE THE WORK OF THE VARIOUS TRADES TO FIT ACTUAL CONDITIONS AND MAKE INTERFACING ADJUSTMENTS AS REQUIRED.
3. QUANTITIES SHOWN AND/OR SPECIFIED IN THE DRAWINGS AND SPECIFICATIONS SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR ALL QUANTITIES.
4. SOME NOTES ON THE ARCHITECTURAL SHEETS MAY REQUIRE CIVIL, LANDSCAPING, STRUCTURAL, MECHANICAL, AND/OR ELECTRICAL WORKS. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE FOR COMPLETE WORK.
5. WHERE WARRANTIES ARE SPECIFIED, CONTRACTOR'S BID SHALL INCLUDE FULL COMPLIANCE OF ALL CONDITIONS REQUIRED BY THE WARRANTIES. WHERE THE MANUFACTURER'S WARRANTY REQUIREMENTS AND/OR RECOMMENDATION VARY FROM THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR IS EXPECTED TO COMPLY WITH THE STRICTER OF THE TWO PROVIDING REQUIREMENTS DO NOT VOID WARRANTY. CONTRACTOR SHALL INFORM THE CONTRACTING OFFICER IN WRITING WHERE PROPOSED CONSTRUCTION WILL DEVIATE FROM THE CONSTRUCTION DOCUMENTS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BLOCKING, BACKING, BRACKETS, ETC. AS REQUIRED FOR THE PROPER AND SECURED INSTALLATION OF ALL MATERIALS AND PRODUCTS.
7. CONTRACTOR SHALL REVIEW THE PROJECT FOR ANY LONG LEAD ITEMS AND PROVIDE SPECIAL CONSIDERATIONS TO AVOID UNNECESSARY DELAYS TO THE COMPLETION OF THE PROJECT.
8. THE CONTRACT, ADDENDA, SUPPLEMENTAL CONDITIONS, GENERAL REQUIREMENTS, GENERAL CONDITIONS, AND TECHNICAL SPECIFICATIONS SHALL HAVE PRECEDENCE OVER THESE GENERAL NOTES. ANY CONFLICT BETWEEN THESE GENERAL NOTES AND LANGUAGE FOUND IN THE ABOVE DOCUMENTS OR IN THE DRAWINGS OR IN ANY OTHER CONTRACT DOCUMENT SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IMMEDIATELY FOR FURTHER CLARIFICATION.
9. CONTRACTOR SHALL PROVIDE COMPLETE SYSTEMS AND ASSEMBLIES THAT INCLUDE ALL COMPONENTS NECESSARY FOR A FULLY FUNCTIONAL ASSEMBLY SATISFYING THE DESIGN INTENT, COMPLY WITH THE REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS AND READY FOR THE INTENDED USE. REFERENCE CONDITIONS OF THE CONTRACT AND/OR GENERAL REQUIREMENTS FOR ADDITIONAL INFORMATION.
10. REFERENCE CONDITIONS OF THE CONTRACT AND/OR GENERAL REQUIREMENTS FOR ANY OCCUPANCY RESTRICTIONS OR REQUIREMENTS DURING CONSTRUCTION.
11. REFERENCE CONDITIONS OF THE CONTRACT AND/OR GENERAL REQUIREMENTS REGARDING REQUIREMENTS FOR DOCUMENTATION AND REPORTING OF FIELD CONDITIONS BY THE CONTRACTOR AND COORDINATION WITH THE CONTRACT DOCUMENTS.
12. REFERENCE CONDITIONS OF THE CONTRACT AND/OR GENERAL REQUIREMENTS REGARDING COORDINATION OF THE WORK OR OTHER SPECIAL COORDINATION REQUIREMENTS.
13. DIMENSIONS ARE INDICATED TO THE CENTERLINE OF STRUCTURAL GRID, FACE OF CAST-IN-PLACE CONCRETE WALL, FACE OF UNIT MASONRY WALL, AND/OR TO THE FINISH FACE OF INTERIOR WALLS AND PARTITIONS AS SCHEDULED, UNLESS NOTED OTHERWISE.
14. FLOOR ELEVATIONS ARE INDICATED TO THE TOP SURFACE OF THE "STRUCTURAL" SLAB, UNLESS NOTED OTHERWISE.
15. CEILING HEIGHTS ARE INDICATED FROM FLOOR ELEVATIONS TO THE FINISH FACE OF SUSPENDED CEILING SYSTEMS OR FACE OF FINISH MATERIALS, AS INDICATED OR SCHEDULED.
16. DIMENSIONS SHOWN ON THE DRAWINGS SHALL INDICATE THE REQUIRED SIZES, CLEARANCES, AND DIMENSIONAL RELATIONSHIPS BETWEEN PROJECT SYSTEMS, ASSEMBLIES AND COMPONENTS. DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.
17. WHERE EQUIPMENT OR COMPONENTS HAVE DIMENSIONAL VARIATION DEPENDENT ON THE SELECTED MANUFACTURER, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ADJOINING CONSTRUCTION TO ACCOMMODATE THE SELECTED MANUFACTURER'S REQUIREMENTS.
18. REFERENCE DIVISION 01 OF THE PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS FOR COORDINATION OF DRAWINGS AND DIMENSIONS.

21. "REPLACE" MEANS TO REMOVE EXISTING AND TO PROVIDE AND INSTALL ITEM TO MATCH THE EXISTING DESIGN SUCH AS MATERIAL, THICKNESS, COLOR, QUALITY, CONSTRUCTION, ETC., UNLESS OTHERWISE DETAILED OR NOTED. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION AND DESIGN PRIOR TO REMOVAL.
22. ALL MATERIALS, ITEMS, NOTED IN THE DRAWINGS ARE "NEW" UNLESS NOTED OTHERWISE.
23. CONTRACTOR SHALL PATCH ALL SURFACES EXPOSED FROM CUTTING, AND OR REMOVAL WORK. PATCH SHALL MATCH THE MATERIAL AND FINISH OF ADJACENT SURFACES.
24. CONTRACTOR SHALL PROTECT ALL ITEMS, IN ADJACENT AREAS WITHIN THE PROJECT SITE FROM DAMAGE. DAMAGE TO BUILDINGS, LANDSCAPING, LAWN, HOSE BIBS, ETC., BY THE CONTRACTOR, THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND EQUIPMENT, SHALL BE REPLACED AND/OR REPAIRED AT NO EXTRA COST TO THE STATE.
25. ALL EXISTING ITEMS AND/OR FINISHES SCHEDULED TO REMAIN, BUT DAMAGED DURING CONSTRUCTION, SHALL BE CORRECTED TO MATCH THE EXISTING MATERIAL AND FINISHES AT NO EXTRA COST TO THE STATE.
27. CONTRACTOR SHALL PROTECT ALL EXISTING SURFACES DURING CONSTRUCTION. THE COST FOR MATERIAL, LABOR, INSTALLATION AND REMOVAL SHALL BE INCLUDED IN THE SCOPE OF WORK. ALL DAMAGES SHALL BE REPAIRED AND/OR REPLACED TO MATCH ADJACENT SURFACES AND TO THE SATISFACTION OF THE STATE'S REPRESENTATIVE.
28. CONTRACTOR WITH THE SUPERVISION OF THE STATE'S REPRESENTATIVE SHALL INSPECT AND NOTE ALL EXISTING DAMAGES PRIOR TO THE START OF WORK. ANY NEW DAMAGES RESULTING FROM THE CONSTRUCTION SHALL BE CORRECTED AT THE CONTRACTOR'S COST.
29. CONTRACTOR SHALL VISIT THE SITE, COMPARE THE DRAWINGS AND SPECIFICATIONS AND VERIFY ALL CONDITIONS IN ORDER TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.
30. BEFORE ANY SERVICE IS DISCONNECTED OR INTERRUPTED, THE CONTRACTOR SHALL VERIFY USAGE AND ASSURE THAT REQUIRED SERVICES ARE NOT DISCONNECTED OR INTERRUPTED. ANY REQUIRED SERVICE DISCONNECTED OR INTERRUPTED SHALL BE RESTORED IMMEDIATELY BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
31. CONTRACTOR SHALL SUBMIT IN WRITING ANY REQUEST FOR MODIFICATION TO THE PLANS AND SPECIFICATIONS. UNLESS CHANGES ARE SUBMITTED IN WRITING AND APPROVED BY THE STATE, CHANGES OR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS BECOME THE RESPONSIBILITY OF THE PERSON INITIATING SUCH CHANGES.
32. STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND THIS CHAPTER. 2012 NFPA 1.
33. SECTION 18-5.2 RETENTION OF PLANS: ONE SET OF APPROVED PLANS, SPECIFICATION, AND COMPUTATIONS SHALL BE RETAINED BY THE BUILDING OFFICIAL FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM DATE OF COMPLETION OF THE WORK COVERED THEREIN, AND ONE SET OF APPROVED PLANS SHALL BE RETURNED TO THE APPLICANT, AND SAID SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS (SEC. 18-5.2 R.O. 1978 (1983 ED); AM. ORD. 93-59)
34. CONTRACTOR SHALL PROTECT ALL ITEMS IN AND ABOVE GROUND WITHIN THE PROJECT SITE AND ADJACENT PROPERTIES FROM DAMAGES. DAMAGES TO BUILDINGS, SIDEWALKS, UTILITY LINES (PLUMBING, ELECTRICAL, TELEPHONE, DATA, ETC.), LANDSCAPING, LAWN, HOSE BIBS, ETC., BY THE CONTRACTOR, THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS, AND EQUIPMENT SHALL BE REPLACED AND/OR REPAIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR IS ALSO RESPONSIBLE TO RESTORE THE GROUNDS (GRASSING AND LANDSCAPE IRRIGATION) AND CONCRETE WALKWAYS USED FOR PARKING AND STAGING.
36. THIS PROJECT CONFORMS TO ADA PROJECT GUIDELINES. AMENDMENTS SECTION 1101.2. THIS PROJECT CONFORMS WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AS ADOPTED BY THE UNITED STATES DEPARTMENT OF JUSTICE. THE PROJECT IS SUBJECT TO THE CONFORMANCE WITH THE DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES ADMINISTERED BY THE DEPARTMENT GUIDE LINES ADMINISTERED BY THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT SHALL BE EQUIVALENT TO MEETING THE ACCESSIBILITY CODE.

FINISH NOTES:

1. ALL CONDUIT, JUNCTION BOXES, RACEWAYS, AND OTHER EXPOSED ELECTRICAL ITEMS TO BE PAINTED - MATCH ADJACENT SURFACE.
2. ALL STRUCTURAL SUPPORTS AND ATTACHMENTS, I.E.: UNISTRUT, ATTACHMENTS, BOLTS, WOOD/STEEL SUPPORTS, ETC. TO BE PAINTED - MATCH ADJACENT SURFACE.
3. ALL EXPOSED MECHANICAL DUCTS/ENCLOSURES TO BE PAINTED TO MATCH ADJACENT SURFACES.
4. ALL ITEMS INDICATED ABOVE ARE TO BE PAINTED TO MATCH ADJACENT SURFACE UNLESS NOTED OTHERWISE ON THE DRAWING OR COME PRE-FINISHED.

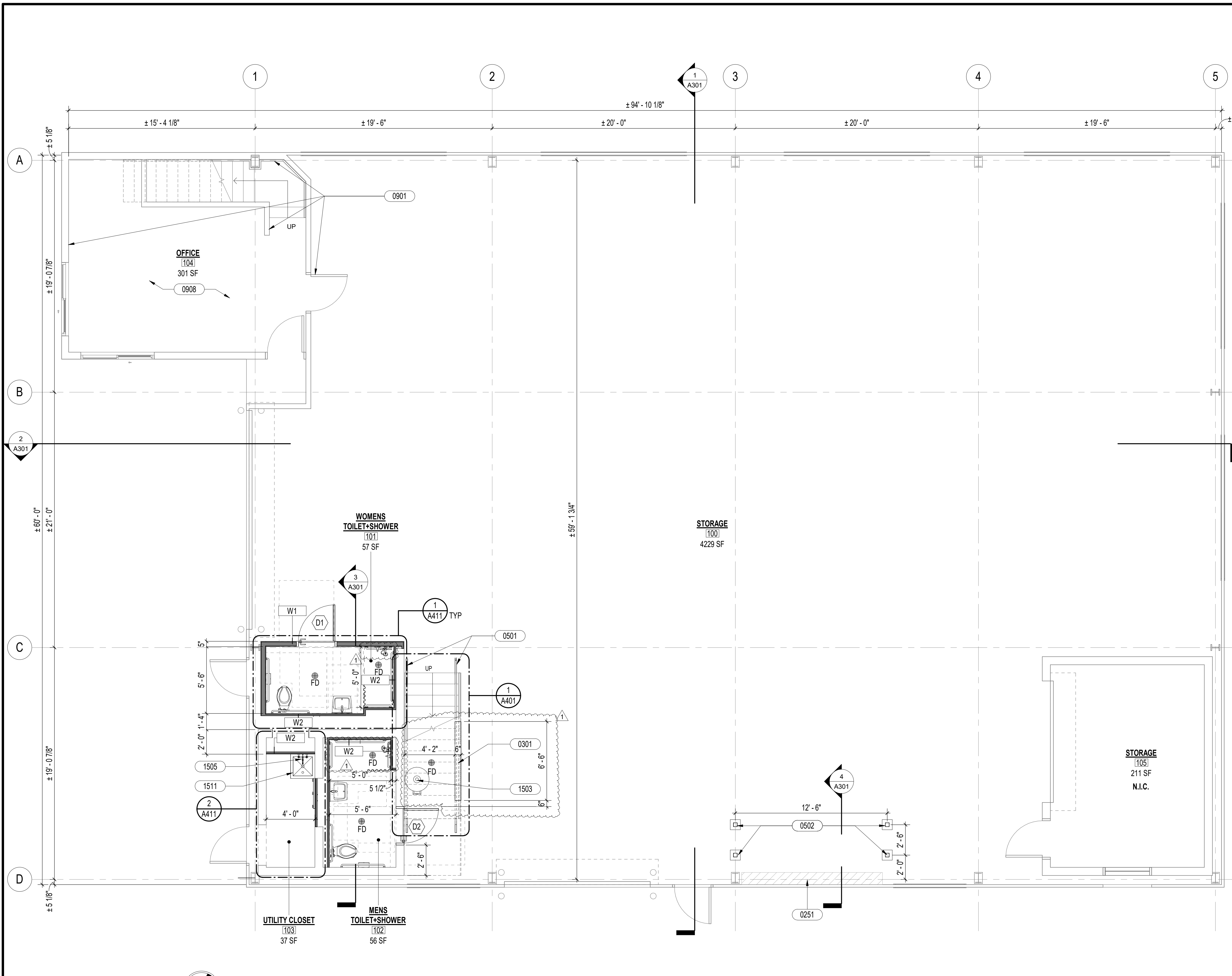
DEFINITIONS:

1. "TYPICAL" OR "TYP." INDICATES IDENTICAL COMPLETE SYSTEM, ASSEMBLY OR COMPONENT SHALL BE PROVIDED FOR EACH OCCURRENCE OF THE CONDITION NOTED.
2. "SIMILAR" INDICATES COMPLETE SYSTEM, ASSEMBLY AND COMPONENTS SHALL BE PROVIDED, INCLUDING ANY ADJUSTMENTS REQUIRED DUE TO VARIATION AT A PARTICULAR CONDITION, RESULTING IN COMPARABLE CHARACTERISTICS FOR THE "SIMILAR" CONDITION NOTED. THE CONTRACTING OFFICER SHALL BE THE SOLE JUDGE OF A SIMILAR CONDITION'S COMPLIANCE WITH THE DESIGN INTENT.
3. "AS REQUIRED" INDICATES ITEMS OF WORK REQUIRED TO PROVIDE FOR A COMPLETE SYSTEM, ASSEMBLY OR COMPONENT AS INDICATED IN THE CONTRACT DOCUMENTS. ALL COMPONENTS OF THE NOTED SYSTEM SHALL BE PROVIDED, INSTALLED, COMPLETE AND READY FOR THE INTENDED USE.
4. "ALIGN" INDICATES ACCURATELY PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, LEVEL AND/OR PLUMB RELATION TO ADJACENT SURFACES WITHIN TOLERANCES DEFINED IN THE TECHNICAL SPECIFICATIONS.
5. REFERENCE DIVISION 01 OF THE PROJECT MANUAL FOR ADDITIONAL DEFINITIONS AND CLARIFICATIONS.

DIMENSIONS:

1. SHALL HAVE PRECEDENCE OVER SCALE. DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING WITH THE WORK.
2. ALL ± (PLUS OR MINUS) DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO RENOVATION/FABRICATION.
3. (E) MEANS "EXISTING". CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS AND CONFIRM SIZES PRIOR TO RENOVATION/FABRICATION.
4. OTHER DIMENSIONS AND SIZES PROVIDED IN THE DRAWINGS ARE TO INDICATE GENERAL SCOPE OF WORK. CONTRACTOR SHALL VERIFY DIMENSIONS AND SIZES FOR PROPER FIT, CONSTRUCTION, INSTALLATION AND OPERATION.

| | | | | | |
|---|------|--|---------|-------------|-----------|
| 1 | | ADDENDUM 1 | | 5/15/2026 | <i>ac</i> |
| REVISION NO. | SYM. | DESCRIPTION | SHT. OF | DATE | APPROVED |
| | | STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY IMPROVEMENTS - PHASE 1A (BUILDING IMPROVEMENTS) SAND ISLAND, O'AHU, HAWAII | | | |
| DEPARTMENT OF LAND AND NATURAL RESOURCES (DLNR) NOTES & GENERAL NOTES | | | | | |
| DESIGNED: JV | | SUBMITTED: KR | | | |
| DRAWN: KR | | DATE: APRIL 2026 | | | |
| CHECKED: CO | | SCALE: AS NOTED | | | |
| APPROVED: <i>[Signature]</i> | | May 18, 2026 | | A001 | |
| CHIEF ENGINEER | | DATE | | DRAWING NO. | |



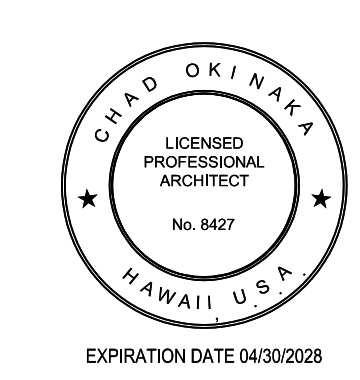
SHEET NOTES

LEGEND

KEYNOTES

| KEYNOTE | DESCRIPTION |
|---------|--|
| 0251 | EXISTING ELECTRICAL EQUIPMENT TO REMAIN, PROTECT DURING CONSTRUCTION |
| 0301 | 4" HIGH PRECAST CONCRETE PAD FOR ADA CANE DETECTION |
| 0501 | METAL HANDRAIL, PAINT AS SCHEDULED |
| 0502 | STEEL POST ON CONCRETE FOOTING, PAINT AS SCHEDULED, SEE STRUCTURAL |
| 0901 | PAINT AS SCHEDULED |
| 0908 | VINYL FLOORING AS SCHEDULED |
| 1503 | WATER HEATER, SEE MECHANICAL |
| 1505 | PLUMBING FIXTURE, SEE MECHANICAL |
| 1511 | SERVICE SINK AS SCHEDULED, SEE MECHANICAL |

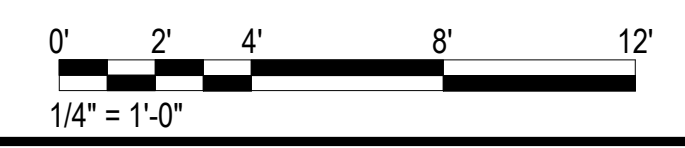
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|--------------|--------|-------------|-----------|----------|
| 1 | | ADDENDUM 1 | 5/15/2026 | ac a |

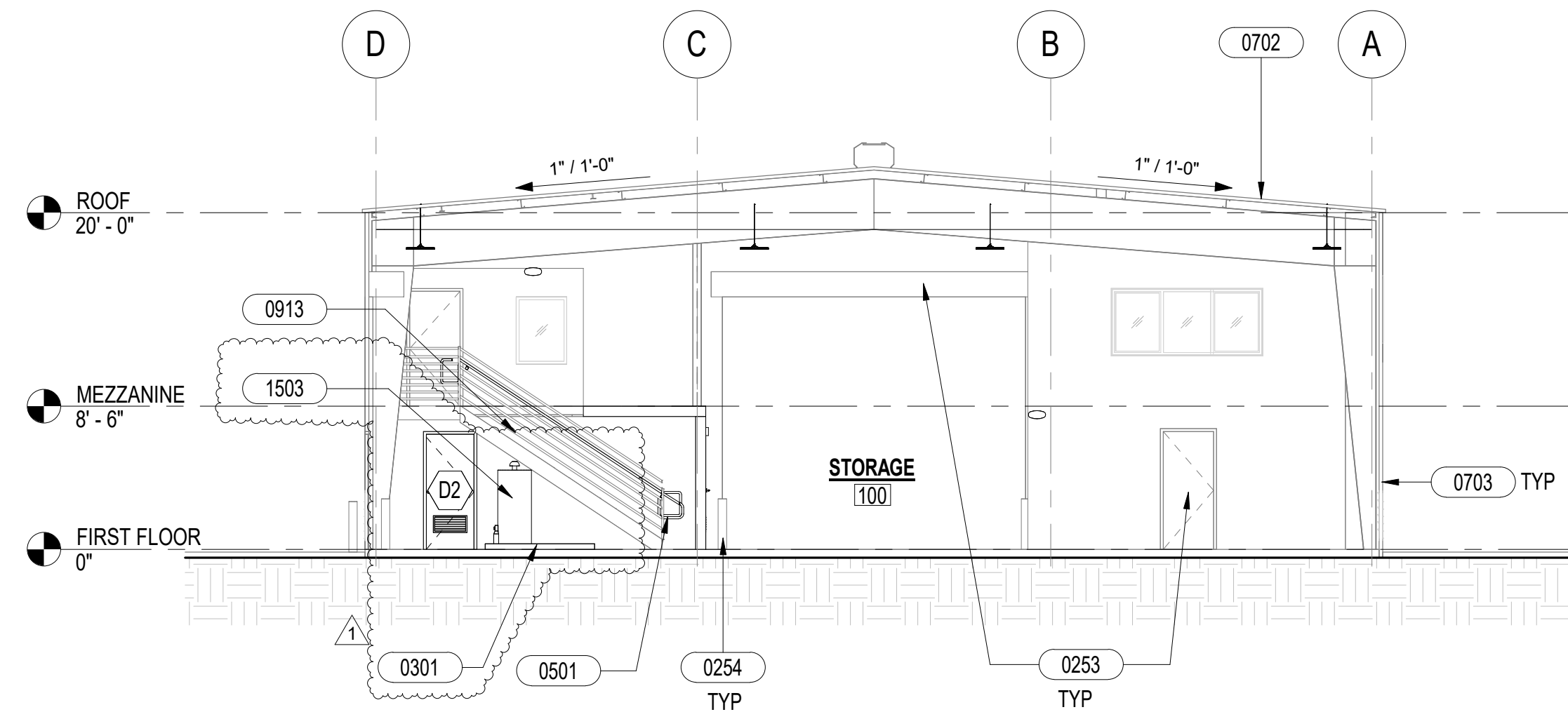


STATE OF HAWAII
 DEPARTMENT OF LAND AND NATURAL RESOURCES
 ENGINEERING DIVISION
 ANUENUE FISHERIES RESEARCH CENTER
 ANNEX FACILITY IMPROVEMENTS - PHASE 1A
 (BUILDING IMPROVEMENTS)
 SAND ISLAND, O'AHU, HAWAII

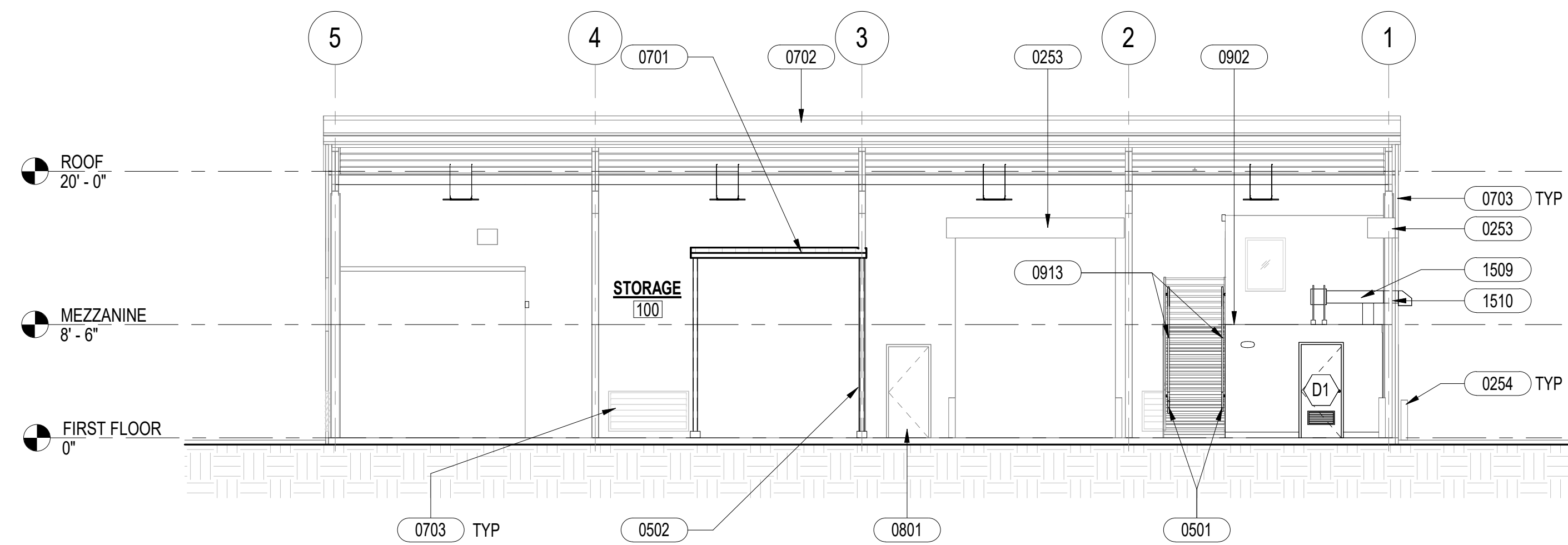
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|----------------|--------------------|
| DESIGNED: JV | SUBMITTED: KR |
| DRAWN: KR | DATE: APRIL 2026 |
| CHECKED: CO | SCALE: AS NOTED |
| APPROVED: | DATE: May 18, 2026 |
| CHIEF ENGINEER | DRAWING NO. A101 |

1 FIRST FLOOR PLAN
 1/4" = 1'-0"

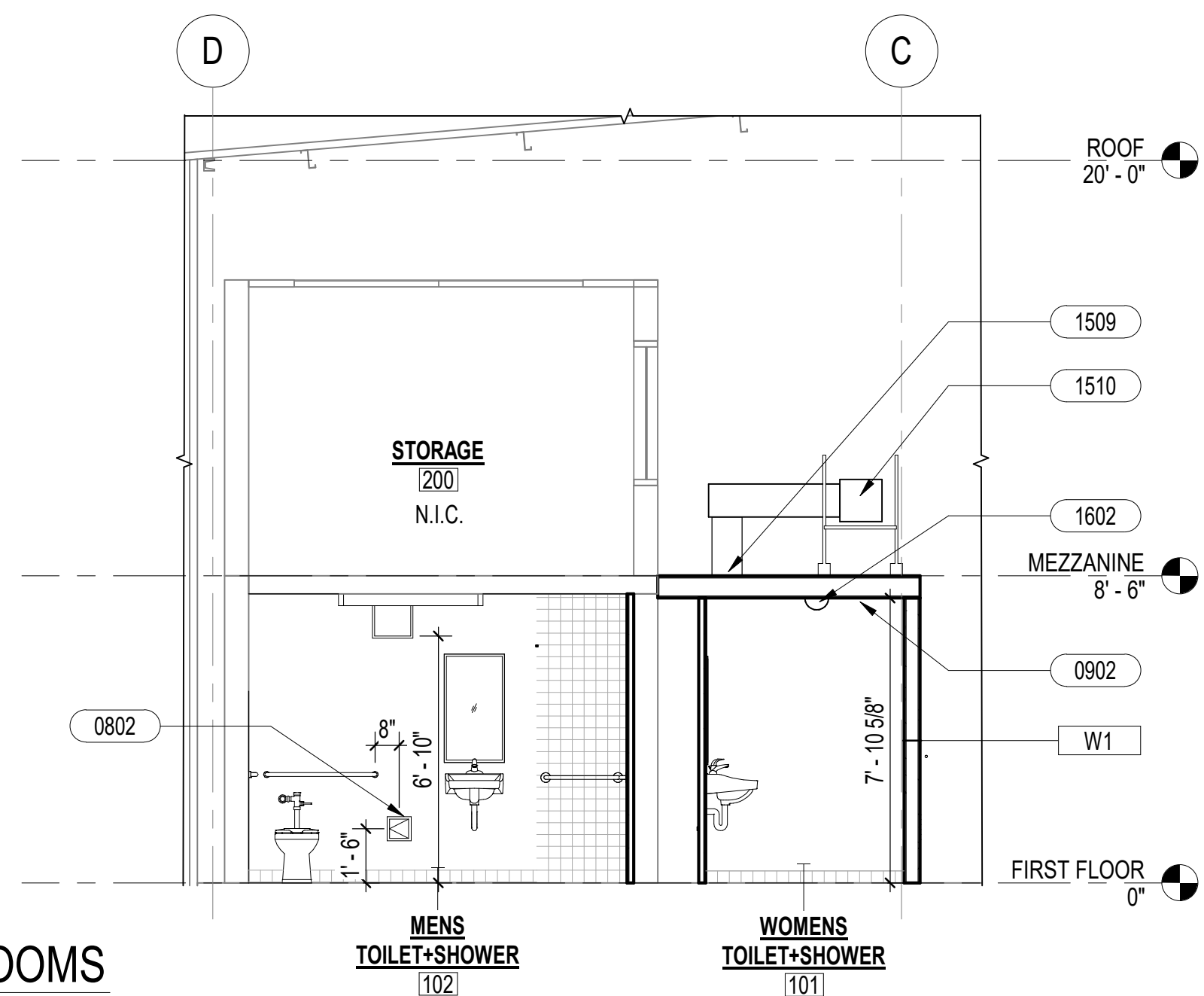
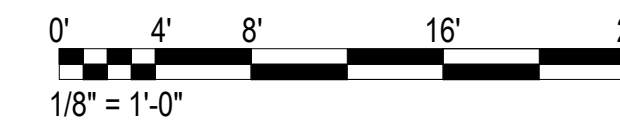




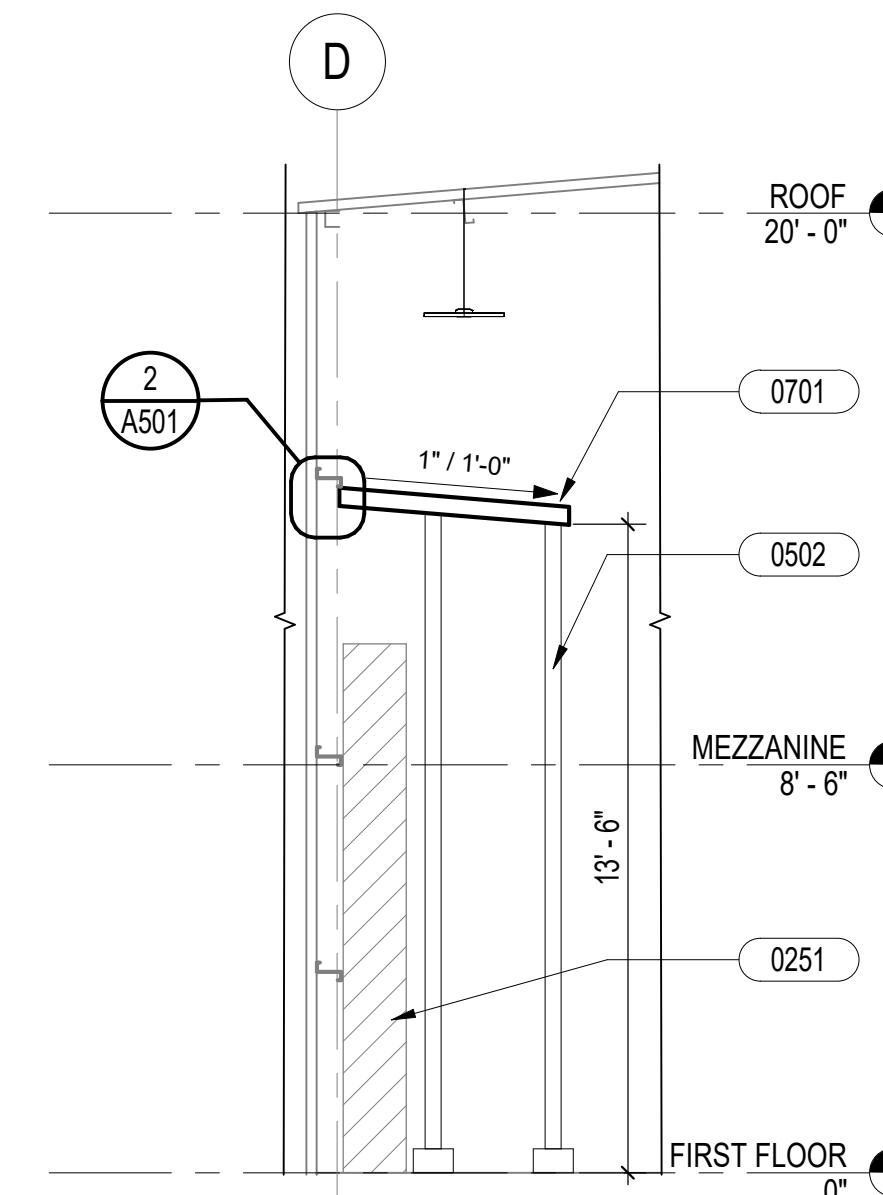
1 CROSS SECTION
1/8" = 1'-0"



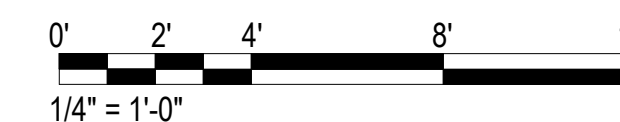
2 LONGITUDINAL SECTION
1/8" = 1'-0"



3 SECTION AT BATHROOMS
1/4" = 1'-0"



4 SECTION AT ELECTRIC SWITCH COVER
1/4" = 1'-0"



SHEET NOTES

- FOR COMPLETE SCOPE OF WORK, SEE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE MATERIAL FINISH FOR ADDITIONAL INFORMATION.
- SEE WALL TYPES FOR ADDITIONAL INFORMATION.

LEGEND

KEYNOTES

| KEYNOTE | DESCRIPTION |
|---------|---|
| 0251 | EXISTING ELECTRICAL EQUIPMENT TO REMAIN, PROTECT DURING CONSTRUCTION |
| 0253 | EXISTING DOOR TO REMAIN |
| 0254 | EXISTING BOLLARD TO REMAIN |
| 0301 | 4" HIGH PRECAST CONCRETE PAD FOR ADA CANE DETECTION |
| 0501 | METAL HANDRAIL, PAINT AS SCHEDULED |
| 0502 | STEEL POST ON CONCRETE FOOTING, PAINT AS SCHEDULED, SEE STRUCTURAL |
| 0701 | PREFINISHED CORRUGATED METAL ROOF |
| 0702 | REPAIR EXISTING ROOF AT VARIOUS LOCATIONS, SEE STRUCTURAL |
| 0703 | REPAIR EXISTING SIDING AND LOUVERS AT VARIOUS LOCATIONS, SEE STRUCTURAL |
| 0801 | PAINT EXISTING EXTERIOR DOOR, DOOR FRAME AND WINDOW FRAME AS SCHEDULED |
| 0802 | 8x8 PREFINISHED ACCESS PANEL AT ALL SHOWERS, COORDINATE WITH MECHANICAL |
| 0902 | GYPSUM CEILING AS SCHEDULED |
| 0913 | EXISTING RAILING, PAINT AS SCHEDULED |
| 1503 | WATER HEATER, SEE MECHANICAL |
| 1509 | REGISTERS AND DUCTS, SEE MECHANICAL |
| 1510 | EXHAUST FAN, SEE MECHANICAL |
| 1602 | CEILING MOUNTED LIGHT FIXTURE, SEE ELECTRICAL |

| REVISION NO. | SYMBOL | DESCRIPTION | DATE | APPROVED |
|--------------|--------|-------------|-----------|----------|
| 1 | | ADDENDUM 1 | 5/15/2026 | ac a |

CHAO OKINAKA
LICENSED PROFESSIONAL ARCHITECT
No. 8427
HAWAII, U.S.A.
EXPIRATION DATE 04/30/2028

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

ANUENUE FISHERIES RESEARCH CENTER
ANNEX FACILITY IMPROVEMENTS - PHASE 1A
(BUILDING IMPROVEMENTS)
SAND ISLAND, O'AHU, HAWAII

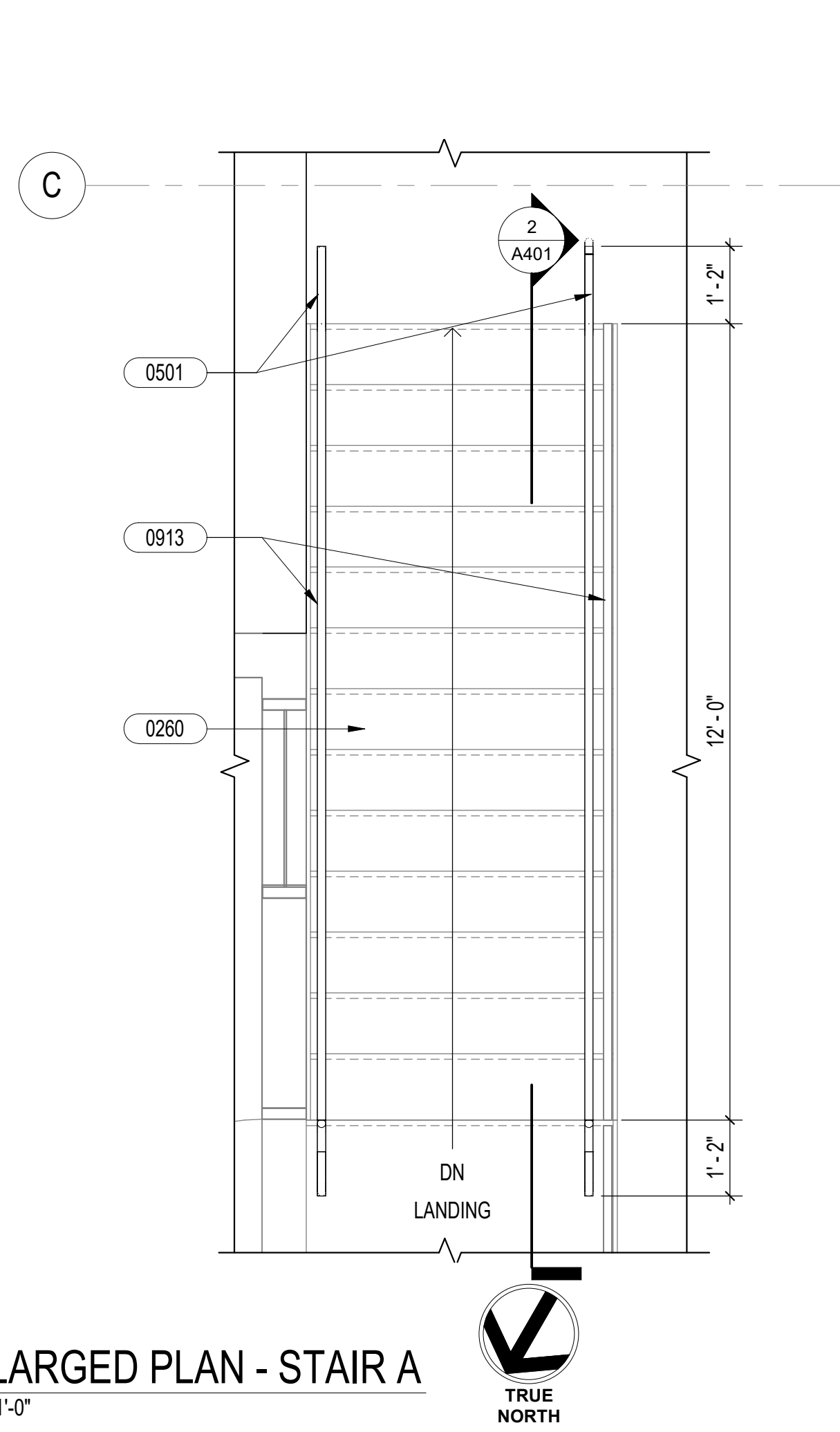
SECTIONS

| | |
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| DESIGNED: JV | SUBMITTED: KR |
| DRAWN: KR | DATE: APRIL 2026 |
| CHECKED: CO | SCALE: AS NOTED |

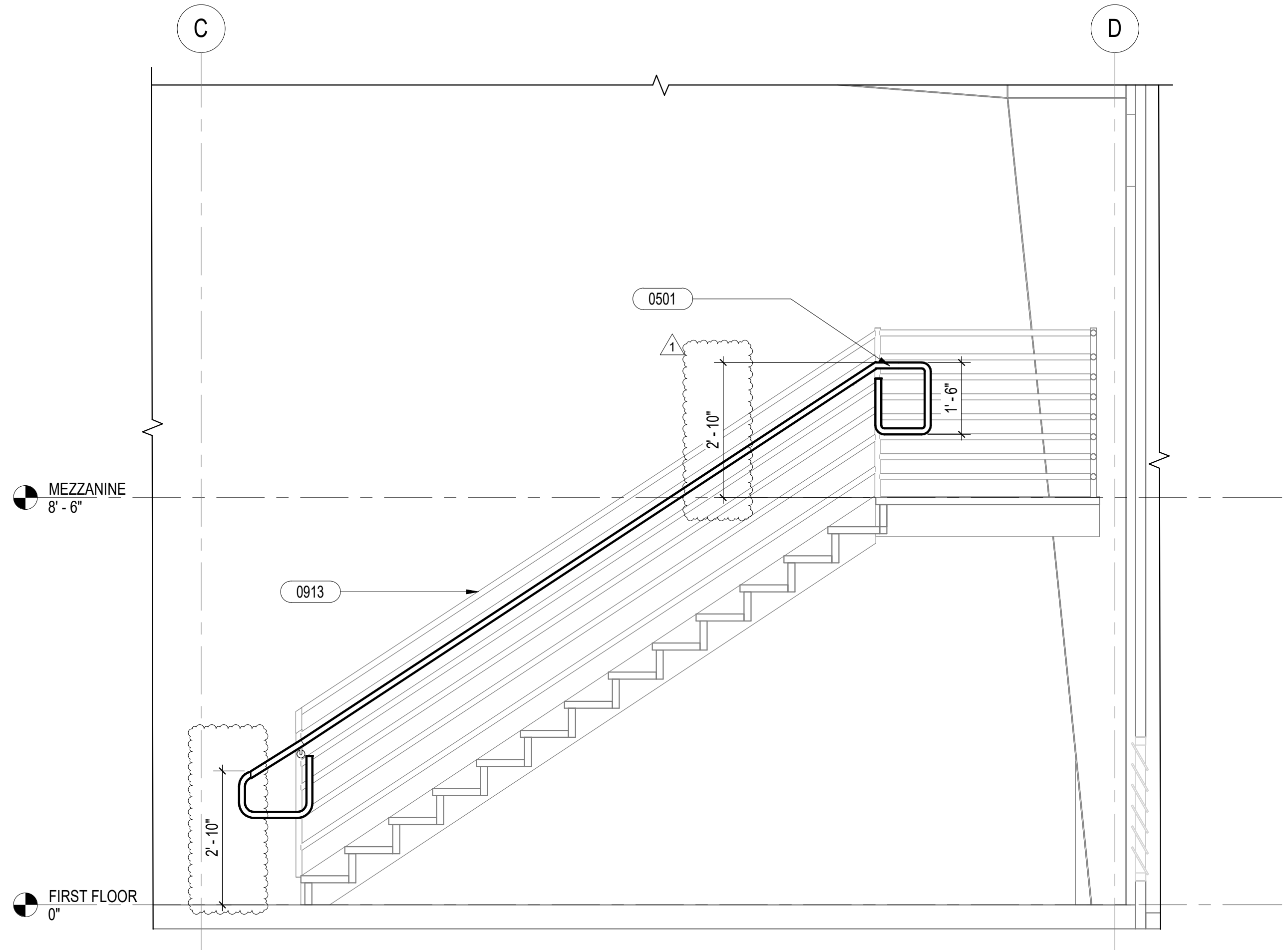
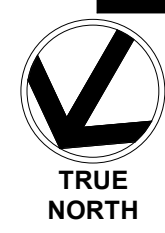
APPROVED: *[Signature]* May 18, 2026
CHIEF ENGINEER DATE

THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. OBSERVATION OF CONSTRUCTION SHALL BE DEFINED IN CHAPTER 16, HAWAII CONSTRUCTION RULES FOR PROFESSIONAL ARCHITECTS, ENGINEERS, SURVEYORS AND LANDSCAPE ARCHITECTS, STATE OF HAWAII, SUBCHAPTER 1, SECTION 16-115-2 DEFINITIONS, EFFECTIVE 8/29/94.)

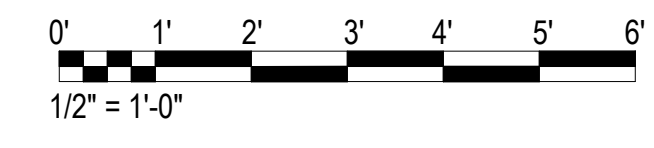
DRAWING NO. **A301**



1 ENLARGED PLAN - STAIR A
1/2" = 1'-0"



2 STAIR A SECTION
1/2" = 1'-0"

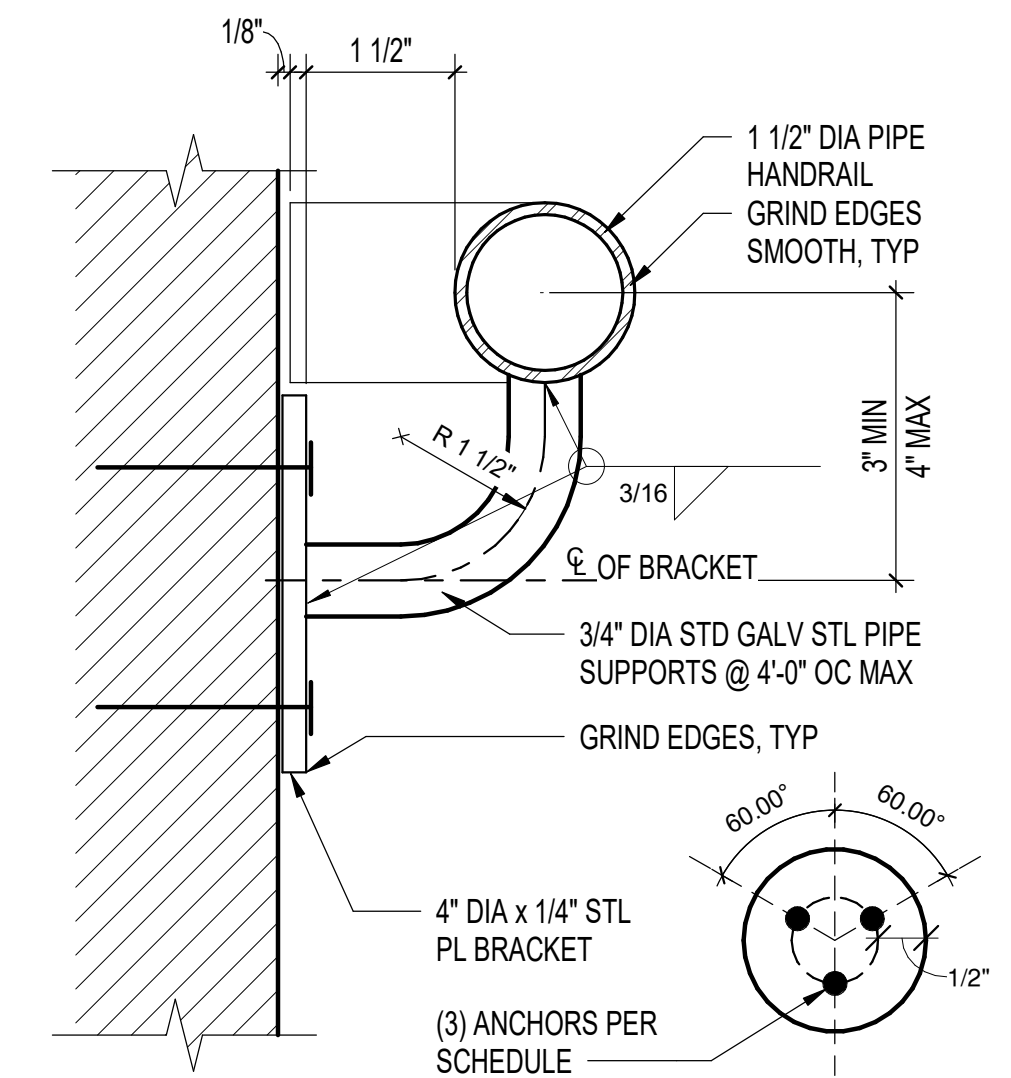


SHEET NOTES

LEGEND

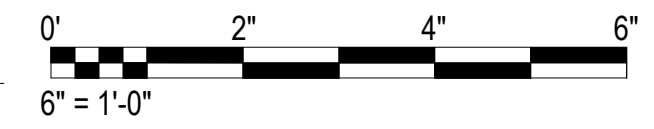
KEYNOTES

| KEYNOTE | DESCRIPTION |
|---------|--------------------------------------|
| 0260 | EXISTING METAL STAIRS |
| 0501 | METAL HANDRAIL, PAINT AS SCHEDULED |
| 0913 | EXISTING RAILING, PAINT AS SCHEDULED |



- EXISTING CMU**
- (3) 1/4" DIA 'HILTI' KWIK-CON II W/ 1 3/4" EMBED
- METAL STUDS**
- (3) #14 SDST SCREWS
- EXISTING METAL GUARD RAIL**
- WELDED

3 HANDRAIL MOUNTING
6" = 1'-0"

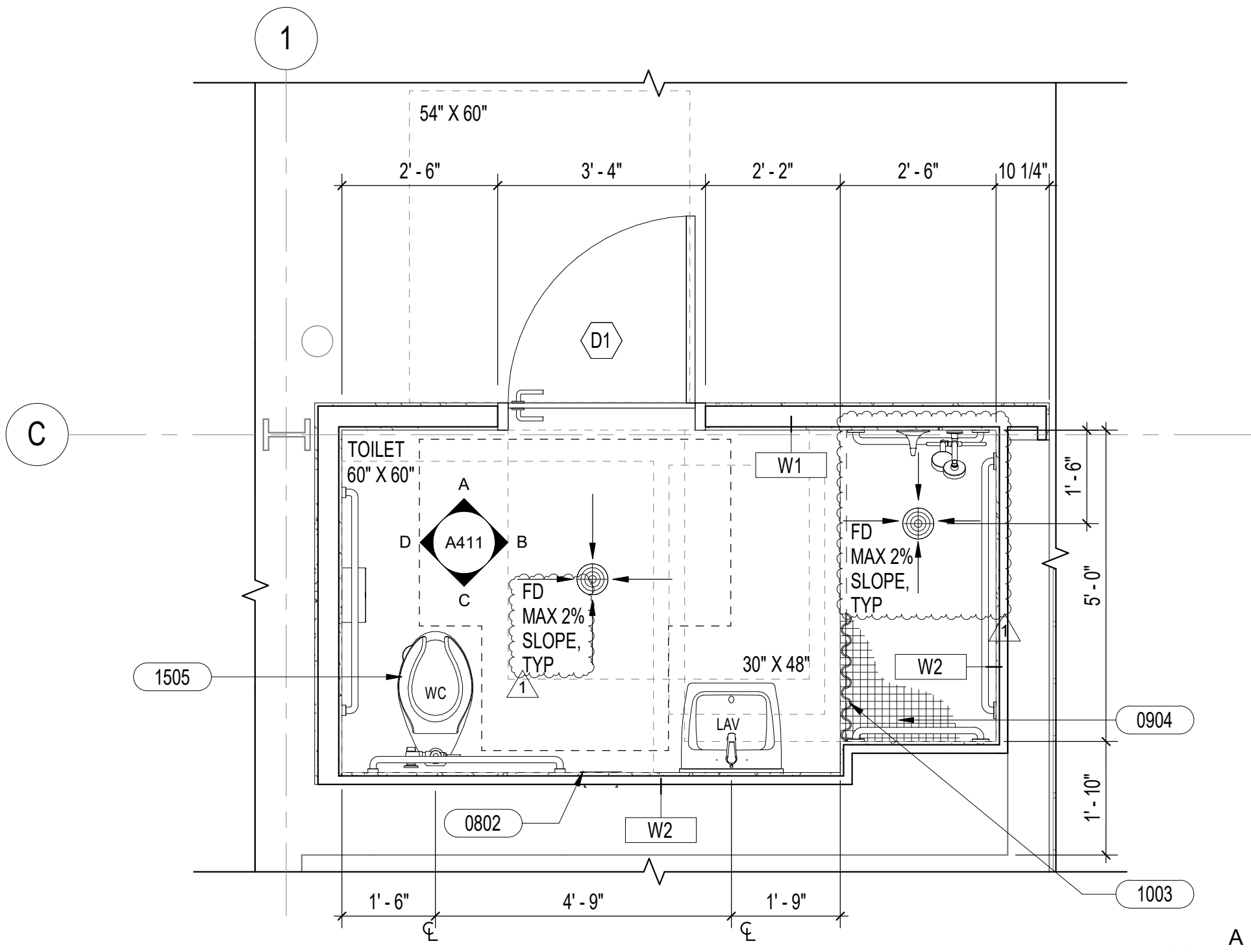


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|--------------|------------|-----------|----------|
| 1 | ADDENDUM 1 | 5/15/2026 | ac a |
| REVISION NO. | SYM | DATE | APPROVED |

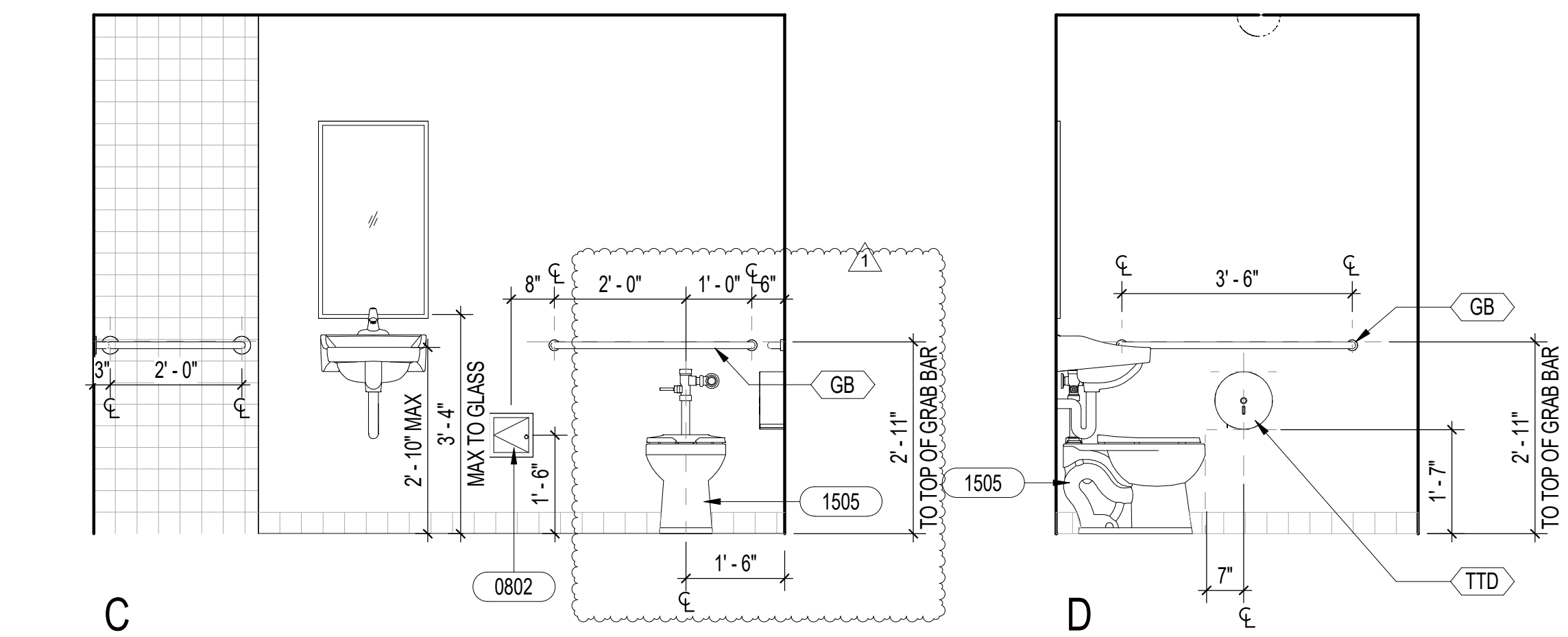
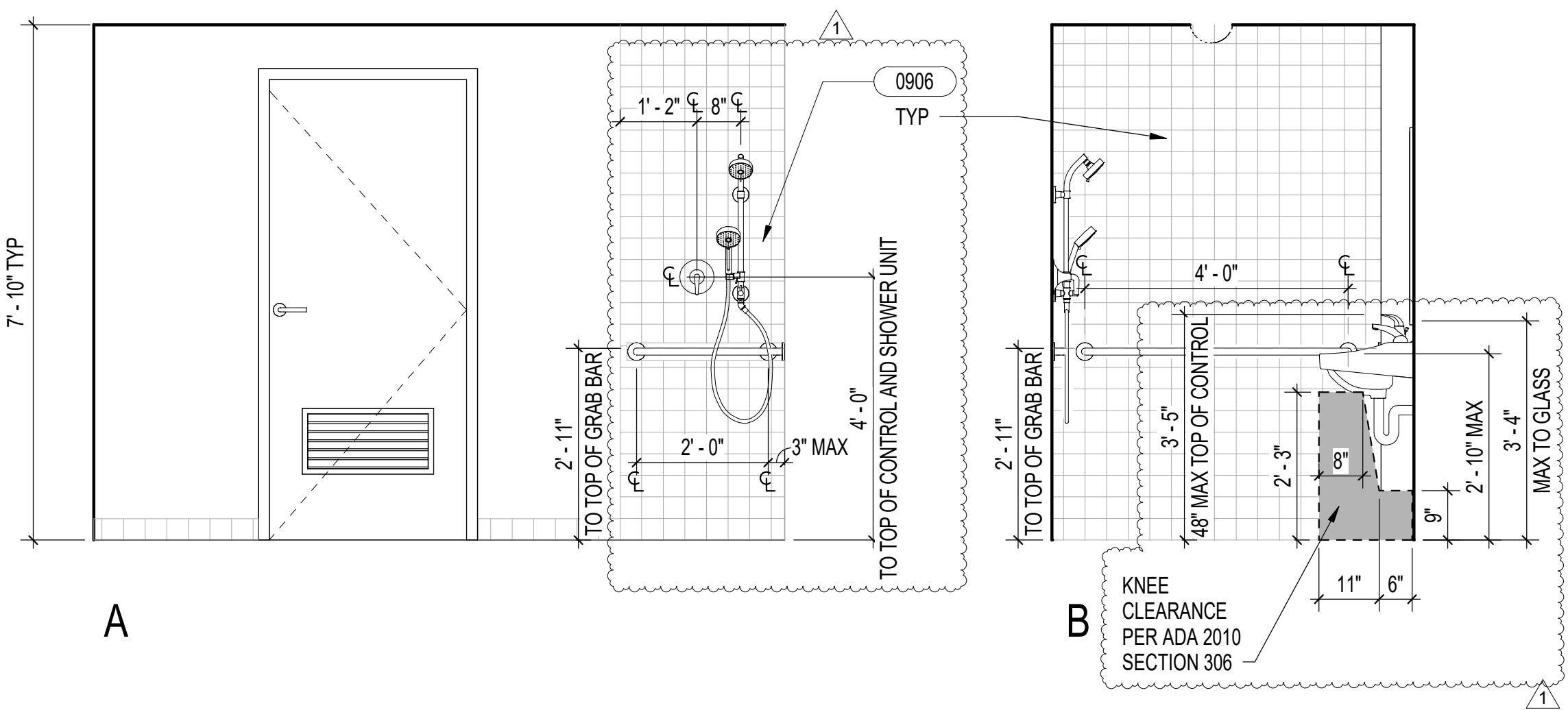
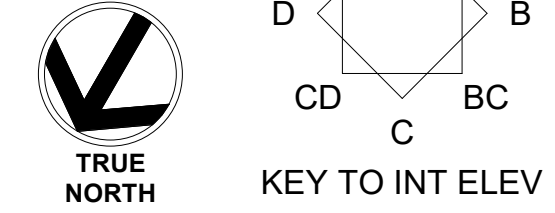


STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION
**ANUENUE FISHERIES RESEARCH CENTER
ANNEX FACILITY IMPROVEMENTS - PHASE 1A
(BUILDING IMPROVEMENTS)
SAND ISLAND, O'AHU, HAWAII**

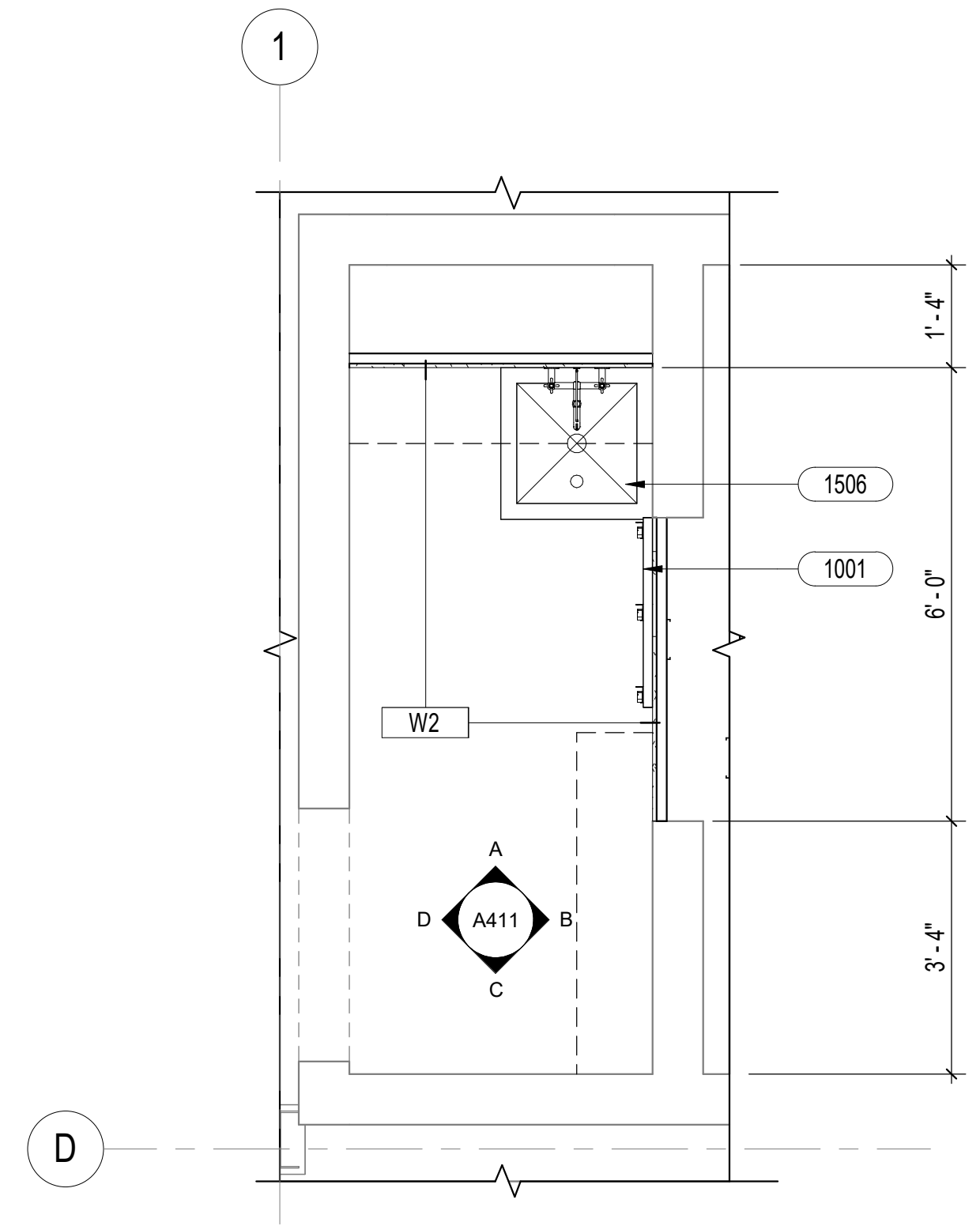
| | |
|------------------------------|--------------------|
| DESIGNED: JV | SUBMITTED: KR |
| DRAWN: KR | DATE: APRIL 2026 |
| CHECKED: CO | SCALE: AS NOTED |
| APPROVED: <i>[Signature]</i> | DATE: May 18, 2026 |
| CHIEF ENGINEER | DRAWING NO. A401 |



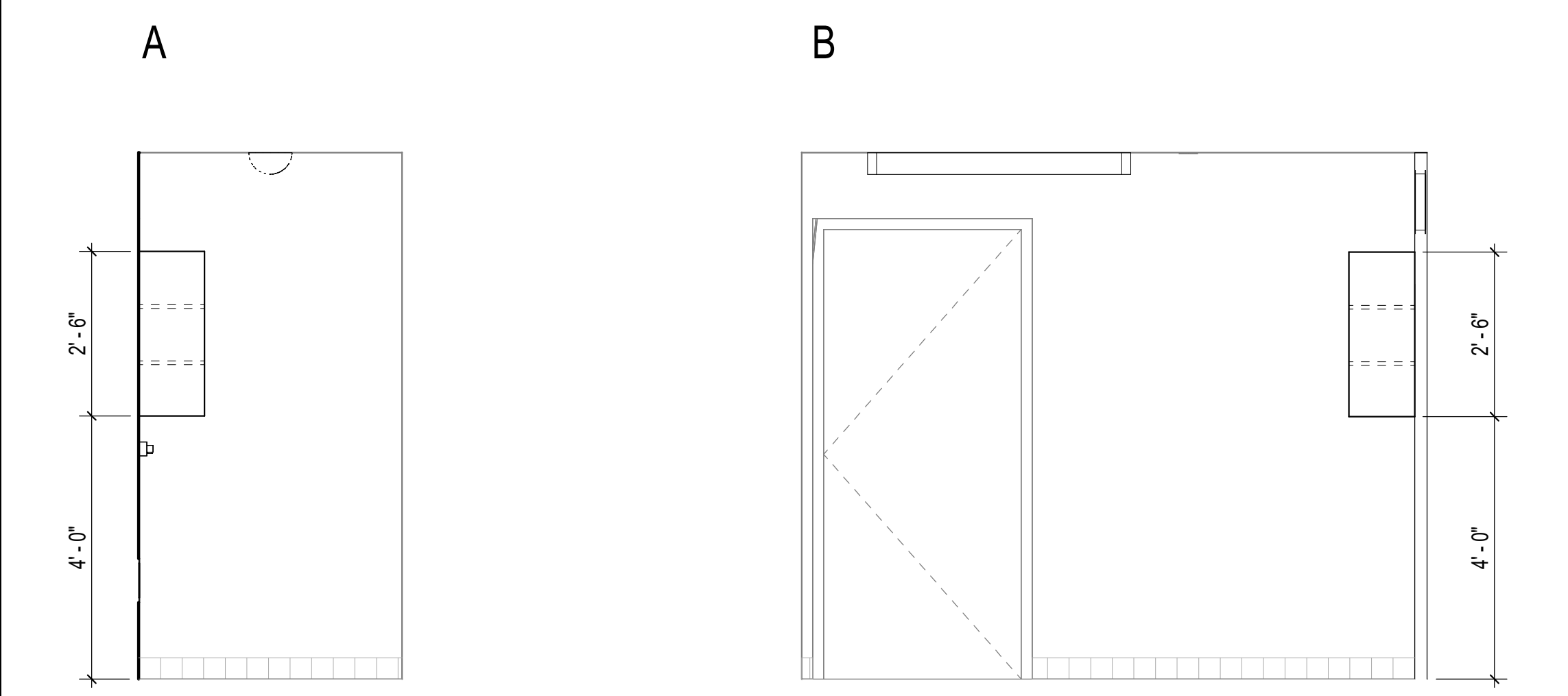
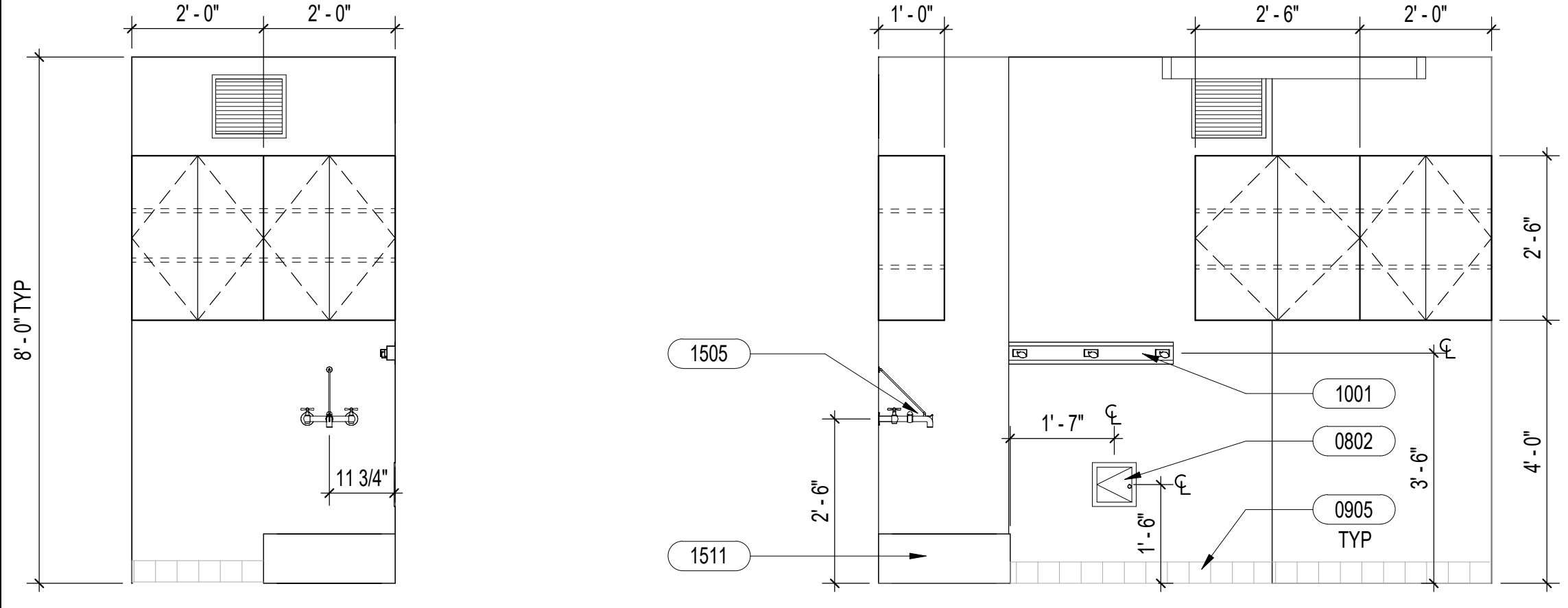
1 ENLARGED PLAN - WOMENS ACCESSIBLE TOILET & SHOWER
1/2" = 1'-0"



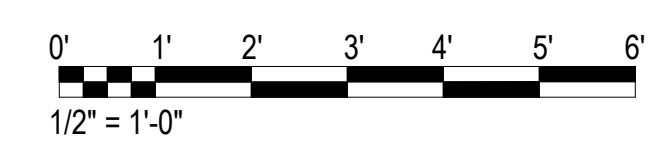
WOMENS ACCESSIBLE TOILET & SHOWER
1/2" = 1'-0"



2 ENLARGED PLAN - UTILITY CLOSET
1/2" = 1'-0"



UTILITY CLOSET
1/2" = 1'-0"



SHEET NOTES

- FOR COMPLETE SCOPE OF WORK, SEE STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE MATERIAL FINISH FOR ADDITIONAL INFORMATION.
- SEE WALL TYPES FOR ADDITIONAL INFORMATION.

LEGEND



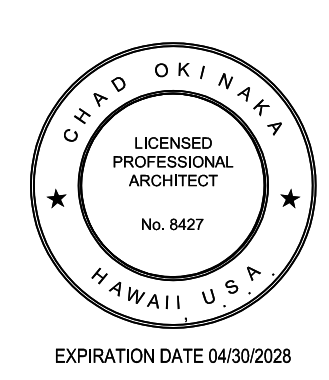
KEYNOTES

| KEYNOTE | DESCRIPTION |
|---------|---|
| 0802 | 8x8 PREFINISHED ACCESS PANEL AT ALL SHOWERS, COORDINATE WITH MECHANICAL |
| 0904 | SHOWER FLOOR TILE (PT-1) |
| 0905 | COVE BASE (PT-2) |
| 0906 | SHOWER WALLTILE (PT-3) |
| 1001 | BROOM HOLDER |
| 1003 | SHOWER ROD AND CURTAIN |
| 1505 | PLUMBING FIXTURE, SEE MECHANICAL |
| 1506 | FLOOR DRAIN, SEE MECHANICAL |
| 1511 | SERVICE SINK AS SCHEDULED, SEE MECHANICAL |

TOILET ACCESSORY LEGEND

| KEYNOTE | DESCRIPTION |
|---------|------------------------|
| GB | GRAB BAR |
| TTD | TOILET PAPER DISPENSER |

| REVISION NO. | SYMBOL | DESCRIPTION | DATE | APPROVED |
|--------------|--------|-------------|-----------|----------|
| 1 | | ADDENDUM 1 | 5/15/2026 | ac a |

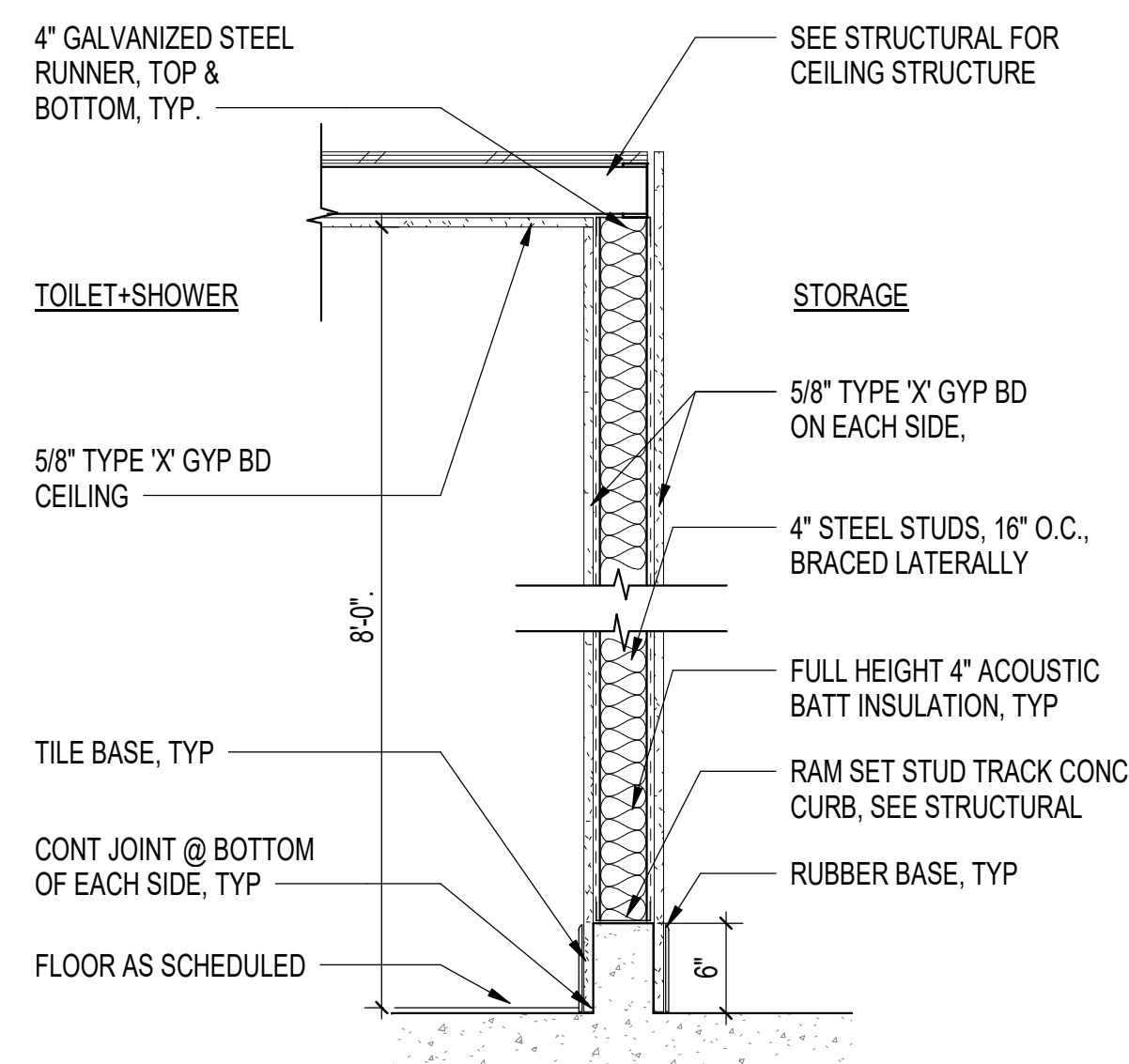


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SAND ISLAND, O'AHU, HAWAII

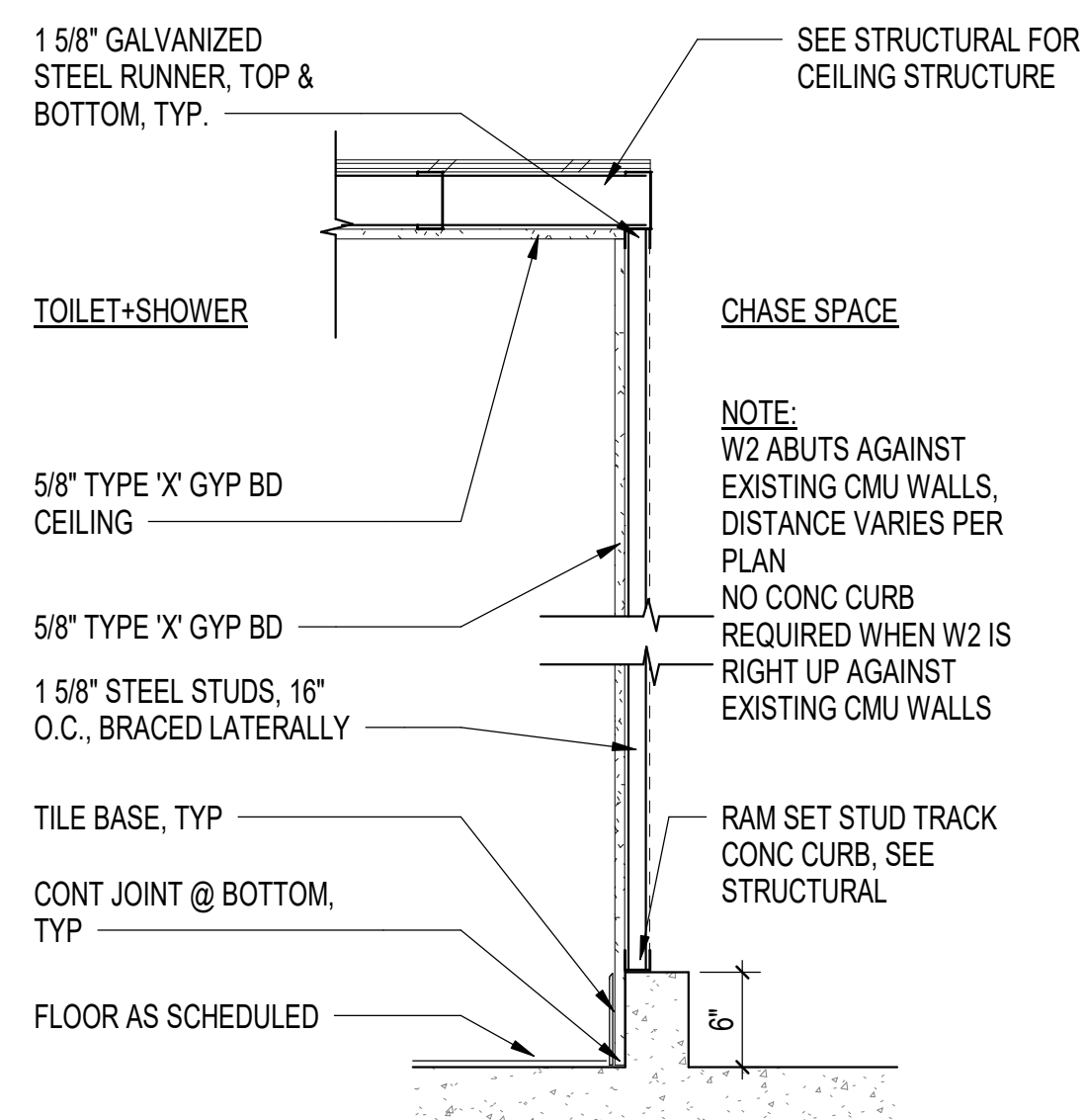
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|----------------|--------------------|
| DESIGNED: JV | SUBMITTED: KR |
| DRAWN: KR | DATE: APRIL 2026 |
| CHECKED: CO | SCALE: AS NOTED |
| APPROVED: | DATE: May 18, 2026 |
| CHIEF ENGINEER | DRAWING NO. A411 |

MATERIAL FINISH SCHEDULE

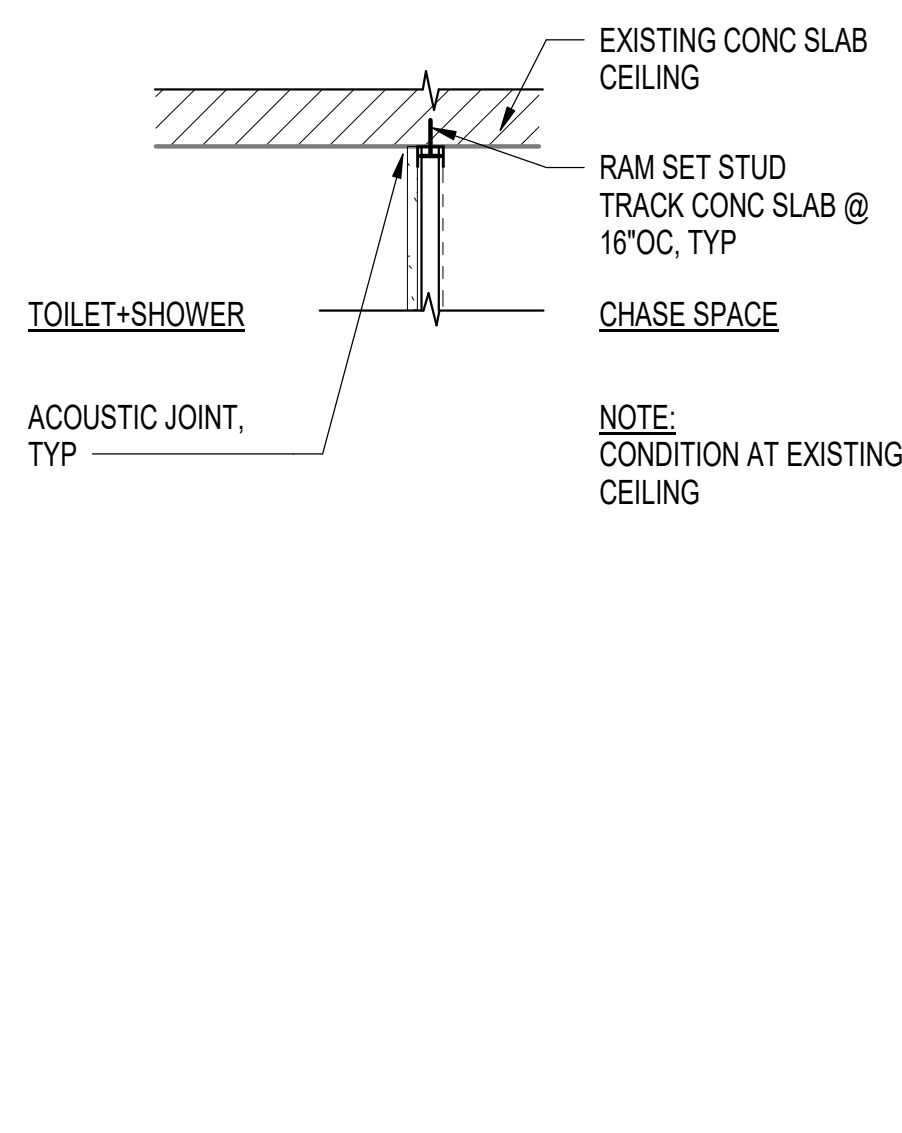
| FINISH NO. | MATERIAL | MANUFACTURER | PATTERN, COLOR, MODEL | LOCATIONS AND ADDITIONAL NOTES | COMMENTS |
|------------|------------------------------|---|--|--|-------------------------------|
| P-1 | PAINT (FIELD COLOR) | SHERWIN WILLIAMS | COLOR: HIGH REFLECTIVE WHITE FINISH: SATIN | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| P-2 | PAINT (CEILING COLOR) | SHERWIN WILLIAMS | COLOR: HIGH REFLECTIVE WHITE FINISH: FLAT | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| P-3 | PAINT (DOOR) | SHERWIN WILLIAMS | COLOR: TBD FINISH: TBD | FOR EXISTING DOORS & NEW DOORS | PRE-APPROVED EQUAL OR GREATER |
| P-4 | PAINT (DOOR FRAME COLOR) | SHERWIN WILLIAMS | COLOR: TBD FINISH: SEMI-GLOSS | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| P-5 | PAINT (DOOR COLOR-COATING) | SHERWIN WILLIAMS | COLOR: TBD FINISH: TBD | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| EXPT-1 | EXTERIOR PAINT (FIELD COLOR) | SHERWIN WILLIAMS | COLOR: TBD FINISH: TBD | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| EXPT-2 | EXTERIOR PAINT (FIELD COLOR) | SHERWIN WILLIAMS | COLOR: TBD FINISH: TBD | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| EXPT-3 | EXTERIOR PAINT (GUTTER) | SHERWIN WILLIAMS | COLOR: TBD FINISH: TBD | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| EXPT-4 | EXTERIOR PAINT (BEAMS) | SHERWIN WILLIAMS | COLOR: TBD FINISH: TBD | PRE-APPROVED EQUAL OR GREATER | PRE-APPROVED EQUAL OR GREATER |
| PT-1 | PORCELAIN TILES | MILESTONE | COLLECTION: AREA 51 COLOR: CLAY FINISH: MATTE SIZE: 12"x12" MOSAIC (2"x2") (#1104039) | SHOWER FLOOR TILE & REFER TO INTERIOR ELEVATIONS FOR LOCATIONS | PRE-APPROVED EQUAL OR GREATER |
| PT-2 | PORCELAIN TILES | MILESTONE | COLLECTION: AREA 51 COLOR: CLAY FINISH: MATTE SIZE: 6"x12" (#1105490) | COVE BASE & REFER TO INTERIOR ELEVATIONS FOR LOCATIONS | PRE-APPROVED EQUAL OR GREATER |
| PT-3 | PORCELAIN TILES | MILESTONE | COLLECTION: 4EARTH COLOR: SKY SIZE: 3"x12" | SHOWER WALL TILE & REFER TO INTERIOR ELEVATION FOR LOCATION | PRE-APPROVED EQUAL OR GREATER |
| G-1 | GROUT | MAPEI | COLOR: #103 COBBLESTONE | GROUT FOR ALL TILE LOCATIONS | PRE-APPROVED EQUAL OR GREATER |
| LVT-1 | LUXURY VINYL TILE | SHOW CONTRACT COLLECTION: TERRAIN II | COLOR: TAUN 00660 / 30 MIL | SEE A101 & A102 FOR LOCATION | PRE-APPROVED EQUAL OR GREATER |
| RB-1 | RUBBER BASE | FLEXCO | COLOR: 071 BLACK/BROWN | NEW VINYL FLOORING LOCATION | PRE-APPROVED EQUAL OR GREATER |
| PL-1 | PLASTIC LAMINATE | FORMICA | COLOR: 7413-PG | CASEWORK AT UTILITY CLOSET | PRE-APPROVED EQUAL OR GREATER |



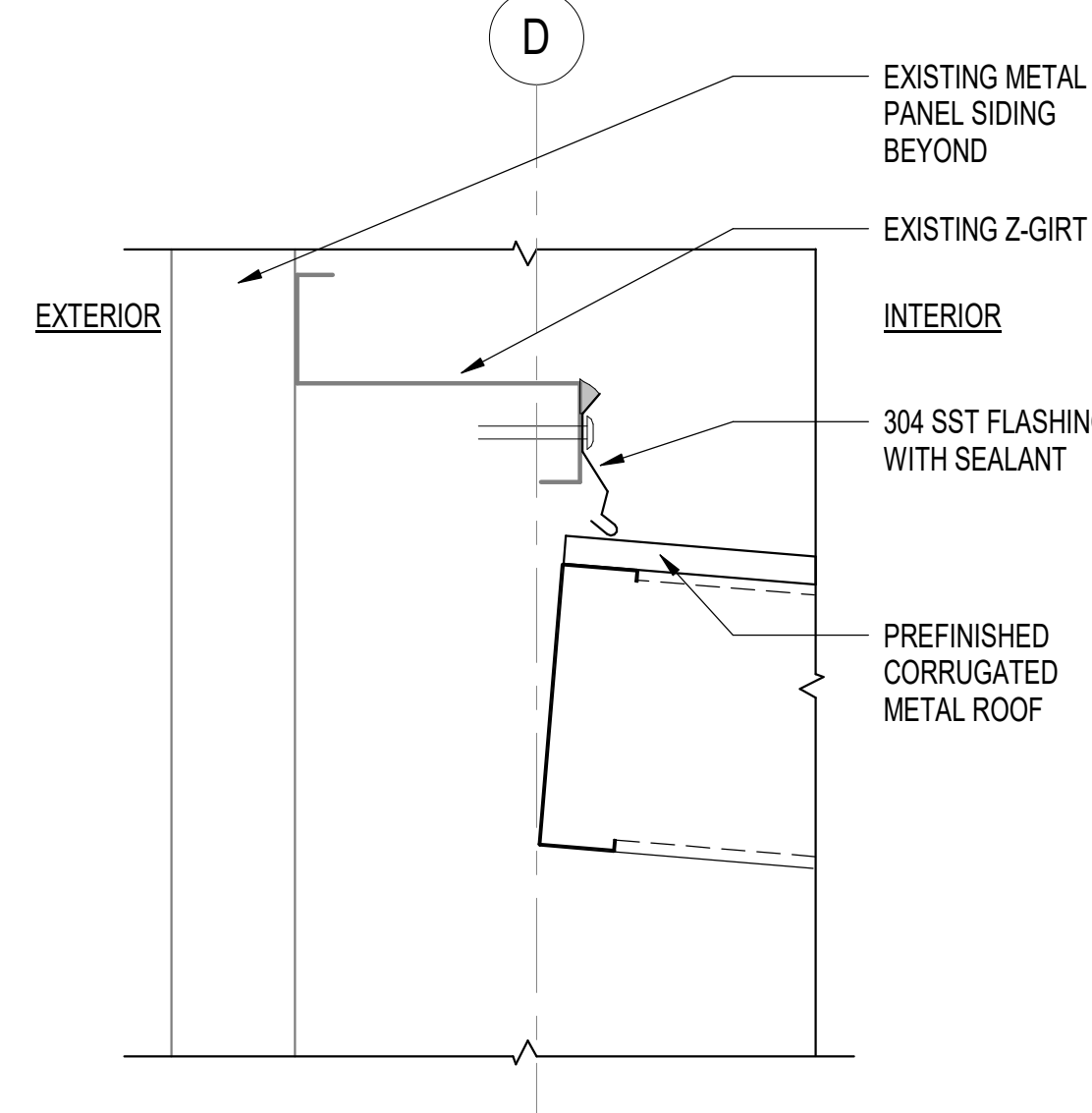
WALL TYPE 1 - W1



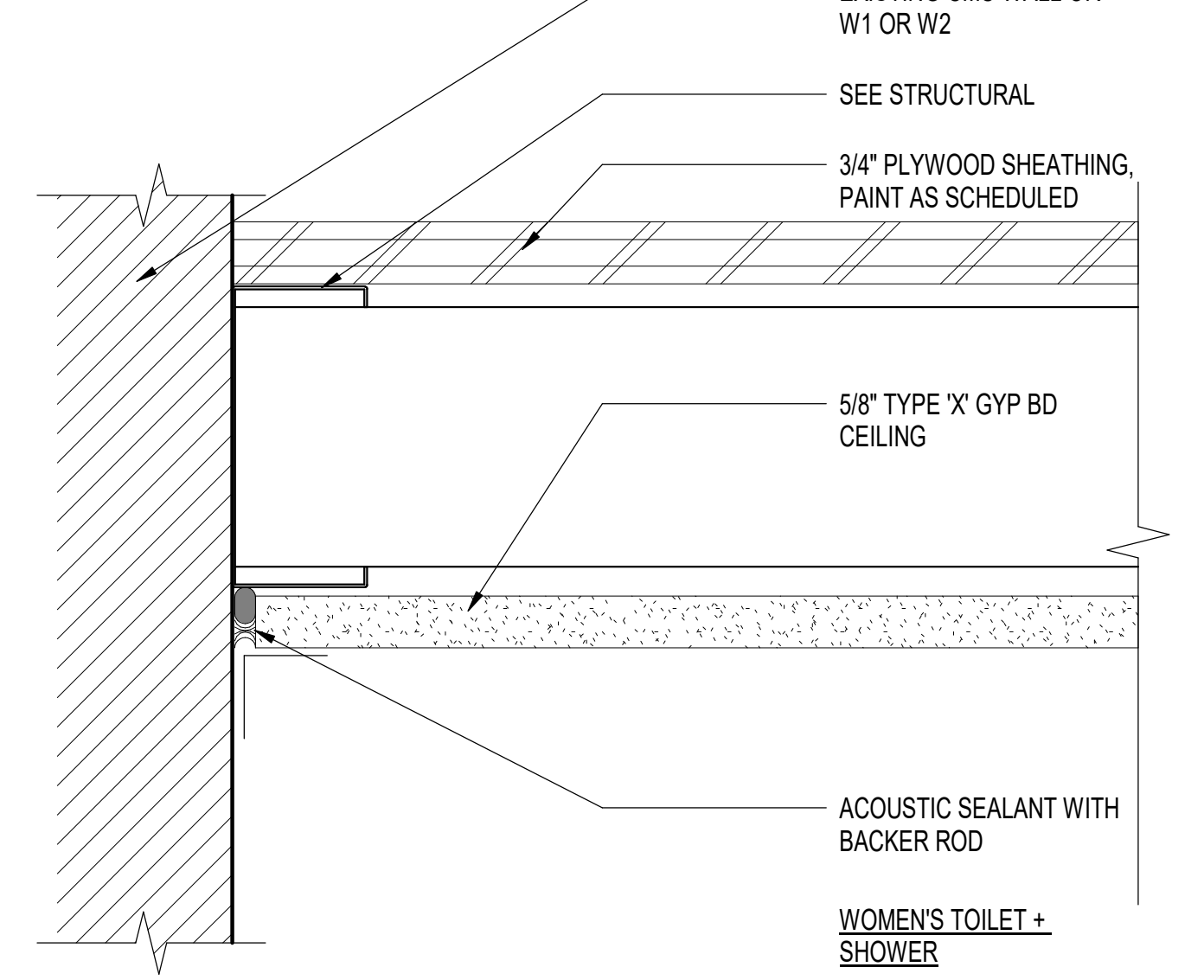
WALL TYPE 2 - W2



WALL TYPE 2 - W2

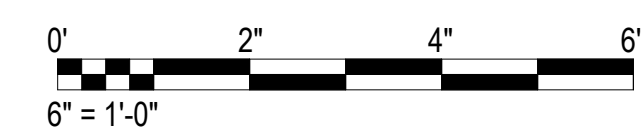
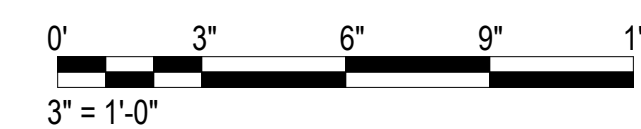
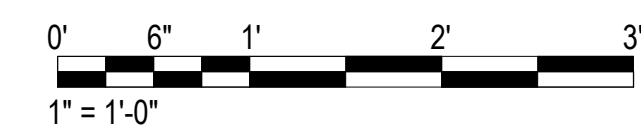


2 FLASHING AT EXISTING Z-GIRT
3" = 1'-0"



3 CEILING DETAIL
6" = 1'-0"

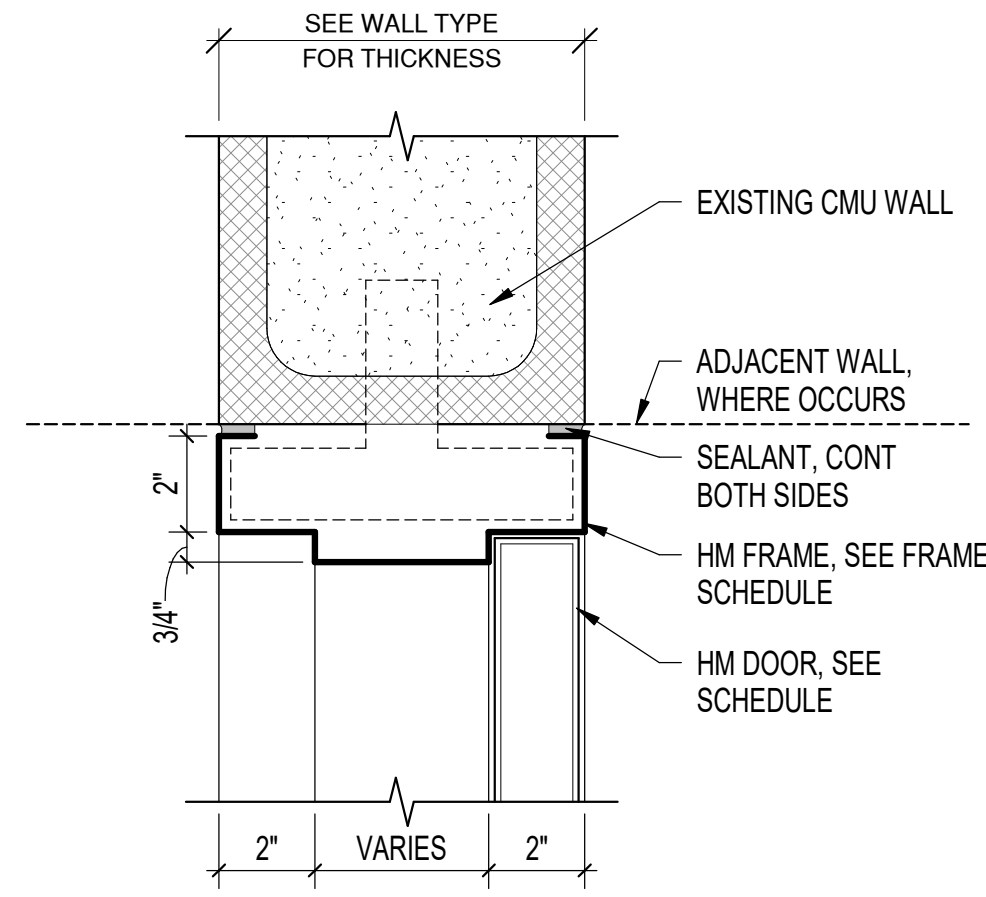
1 INTERIOR PARTITION WALL TYPES
1" = 1'-0"



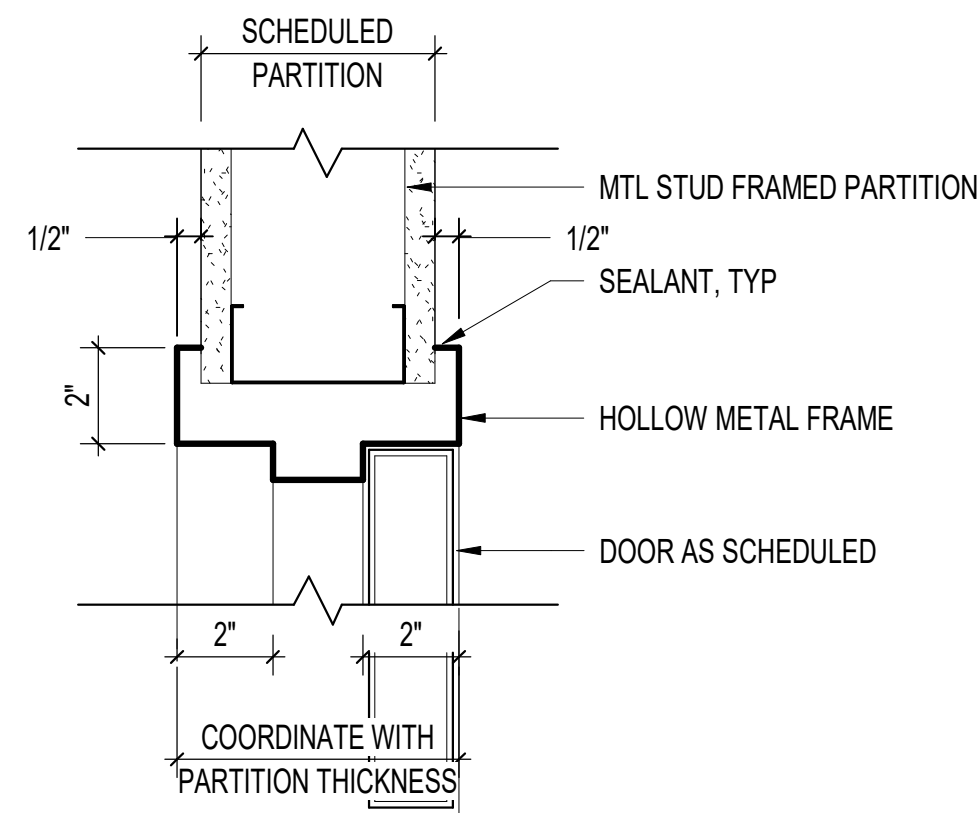
| | | | |
|---|--------------------|------------------|------|
| 1 | ADDENDUM 1 | 5/15/2026 | GC |
| REVISION NO. | SYMBOL | DESCRIPTION | DATE |
| <p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY IMPROVEMENTS - PHASE 1A (BUILDING IMPROVEMENTS) SAND ISLAND, O'AHU, HAWAII</p> <p>MATERIALS FINISH SCHEDULE, INTERIOR PARTITION WALL TYPES & DETAILS</p> | | | |
| DESIGNED: JV | SUBMITTED: KR | | |
| DRAWN: KR | DATE: APRIL 2026 | | |
| CHECKED: CO | SCALE: AS NOTED | | |
| APPROVED: | DATE: May 18, 2026 | DRAWING NO. A501 | |
| CHIEF ENGINEER | | | |

DOOR SCHEDULE

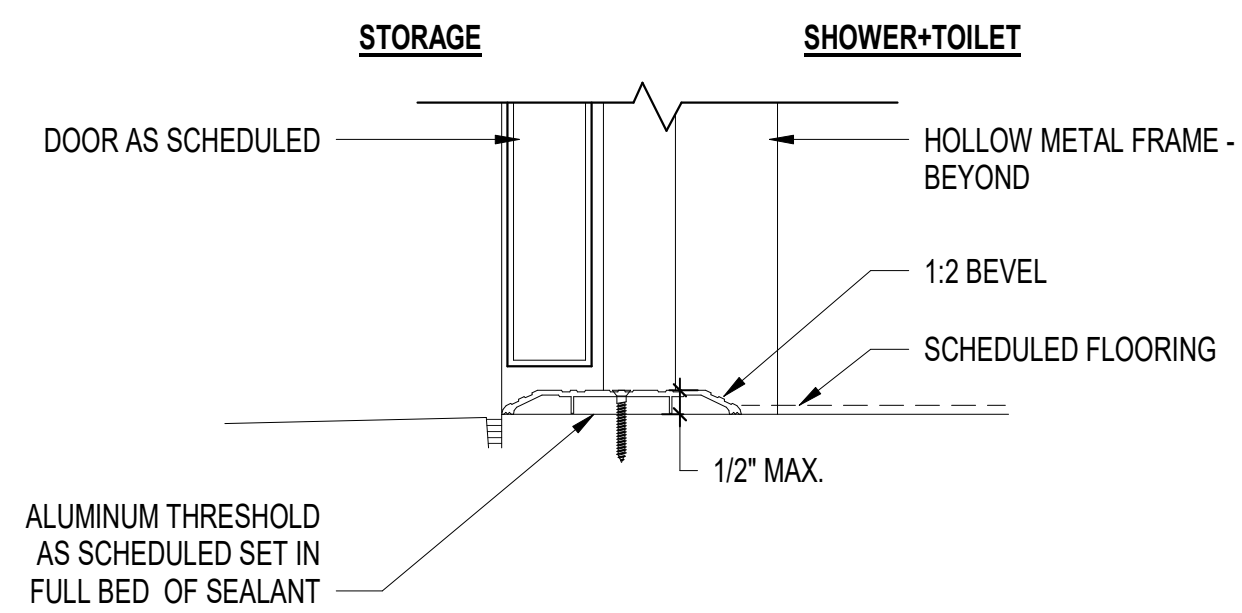
| BUILDING | FLOOR | DOOR NO. | ROOM NO. | LOCATION | DOOR SIZE (Width x Height) VERIFY | THICK | DOOR | | | | FRAME | | | DETAILS | | NOTES |
|-------------|-------|----------|----------|------------------------|---|-------------|---------------|--------|----------------|-----------------|---------|--------|----------------|---------------------|--|-------|
| | | | | | | | DOOR MATERIAL | RATING | FRAME MATERIAL | FINISH MATERIAL | HEAD | JAMB | HARDWARE GROUP | | | |
| STORAGE 100 | FIRST | 2 | 102 | MEN'S TOILET + SHOWER | 2'-10" x 6'-10" | 1' - 0 3/4" | HM | N/A | HM | PAINT | 1A/A601 | 2/A601 | 1 | WITH 24"x24" LOUVER | | |
| STORAGE 100 | FIRST | 1 | 101 | WOMENS TOILET + SHOWER | 3'-0" x 7'-0" | 1' - 0 3/4" | HM | N/A | HM | PAINT | 1/A601 | 2/A601 | 1 | WITH 24"x24" LOUVER | | |



1 DOOR HEAD/ JAMB DETAIL - CMU
3" = 1'-0"

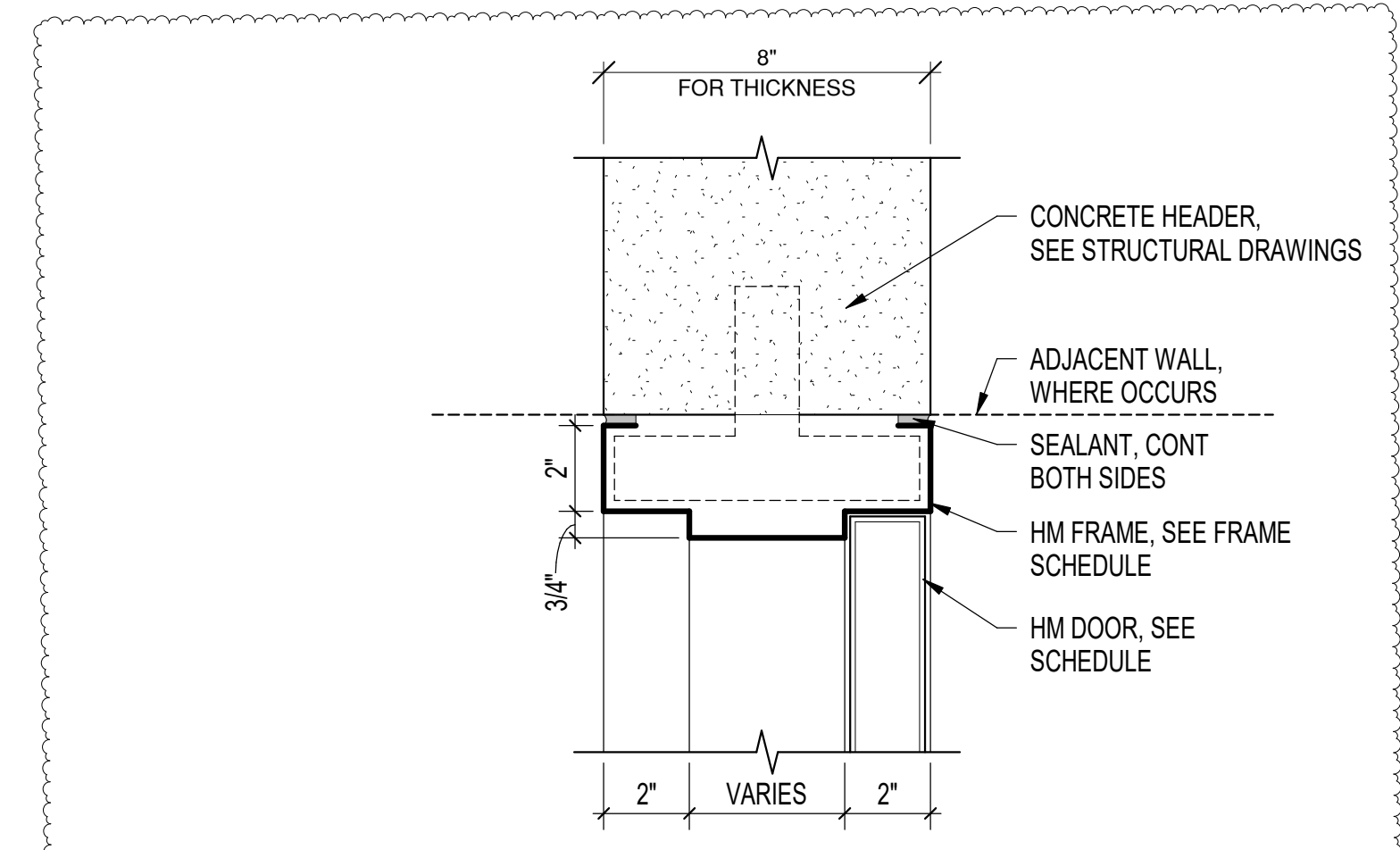


2 DOOR HEAD/ JAMB DETAIL - MTL STUD
3" = 1'-0"

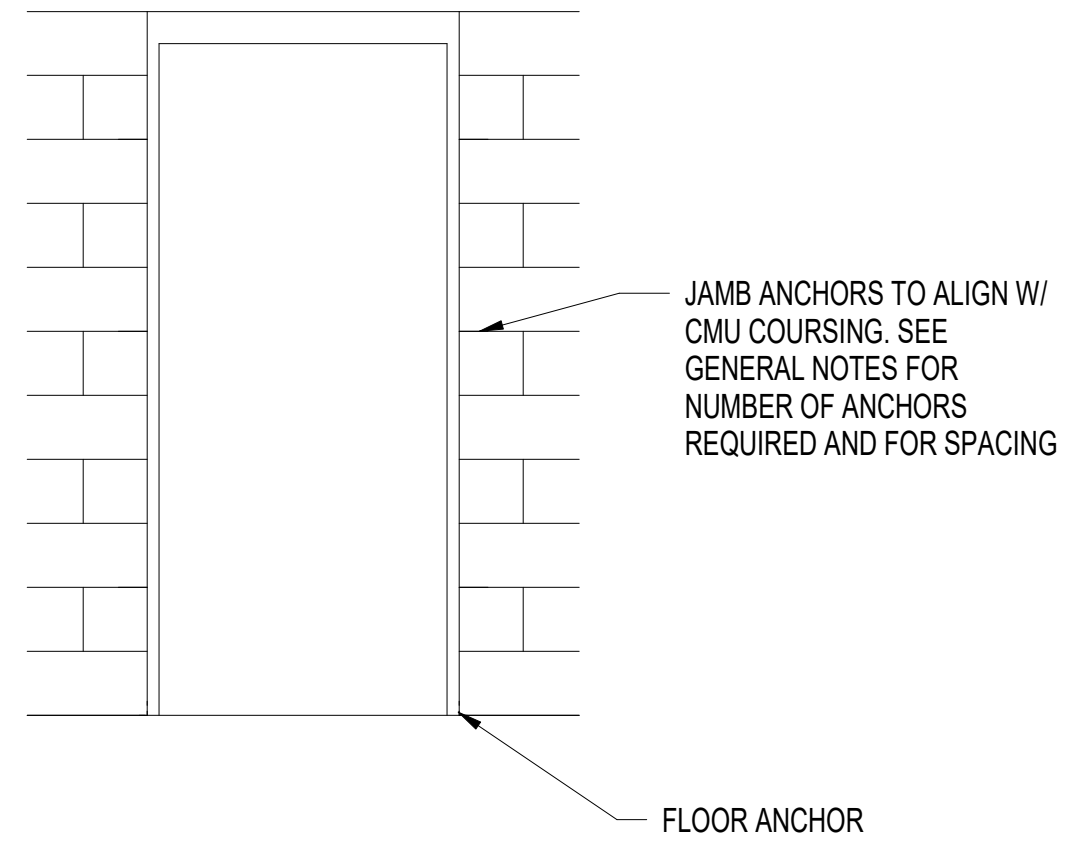


NOTE:
1. THRESHOLDS AT DOORWAYS SHALL BE PROVIDED & INSTALLED IN COMPLIANCE WITH ADAAG 4.13.8.

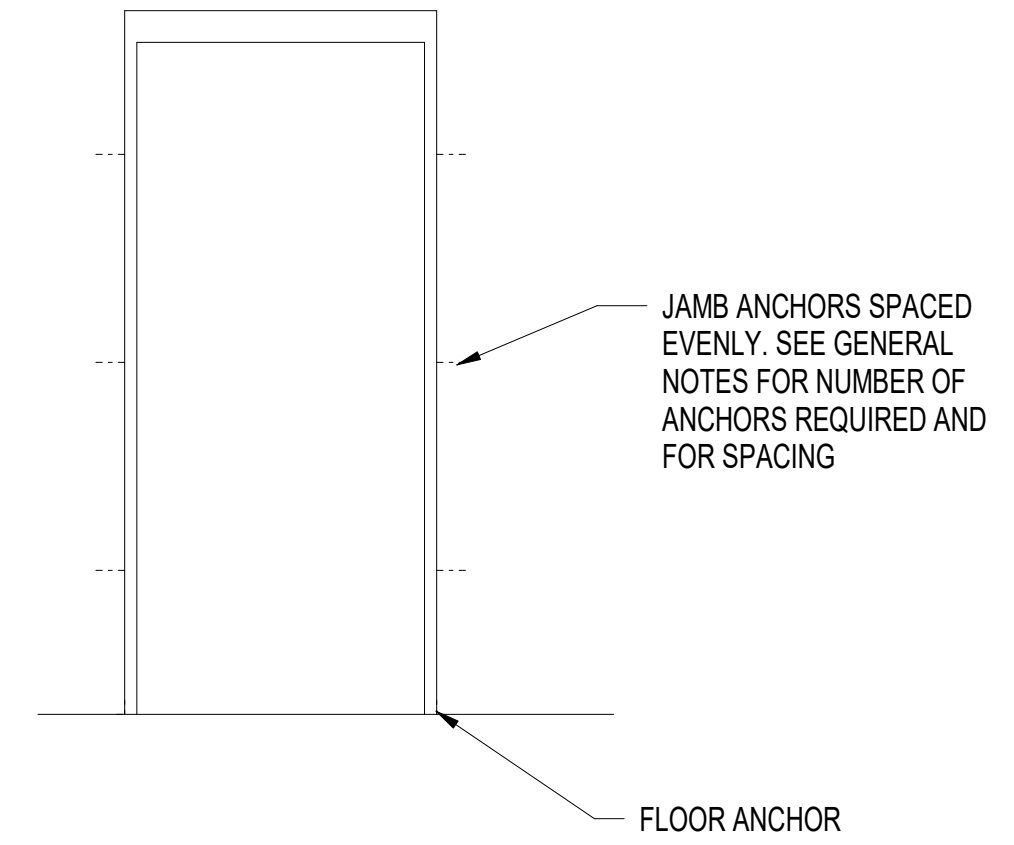
3 THRESHOLD DETAIL
3" = 1'-0"



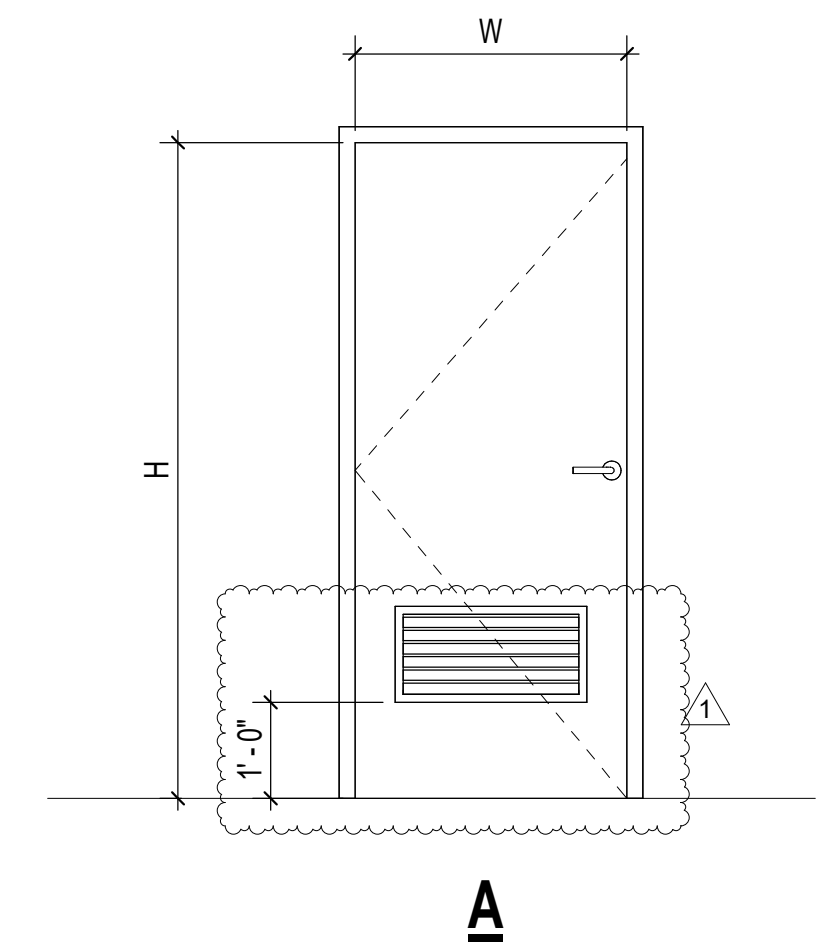
1A DOOR HEAD DETAIL - CONCRETE
3" = 1'-0"



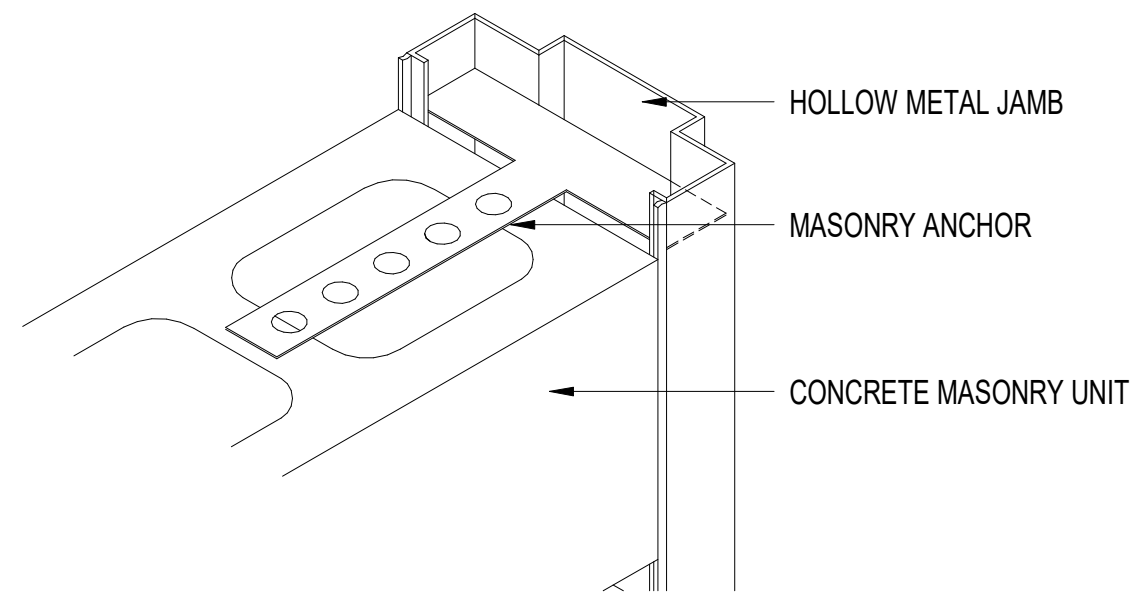
4 CMU ANCHOR LOCATIONS
1/2" = 1'-0"



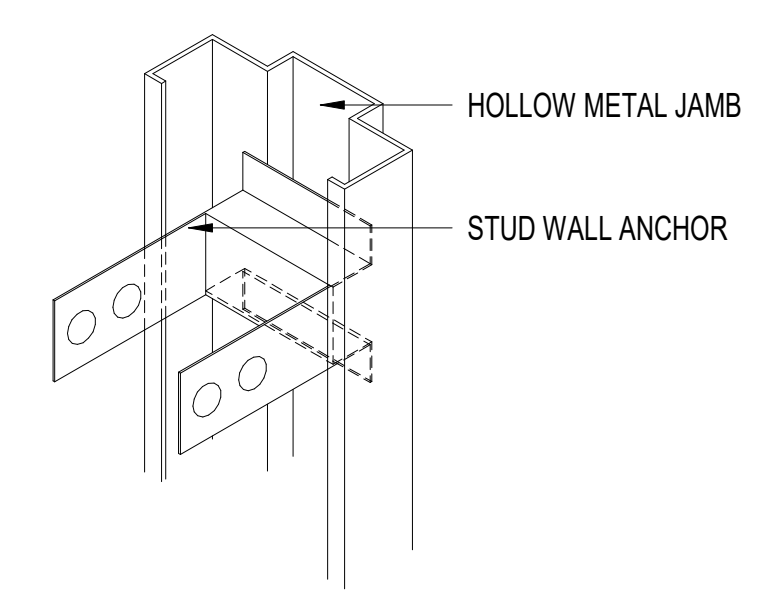
5 MTL STUD JAMB ANCHOR ELEVATION
1/2" = 1'-0"



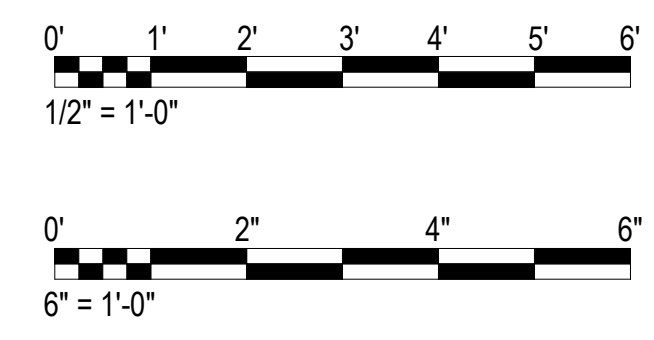
6 DOOR TYPE
1/2" = 1'-0"
FLUSH PANEL WITH LOUVER



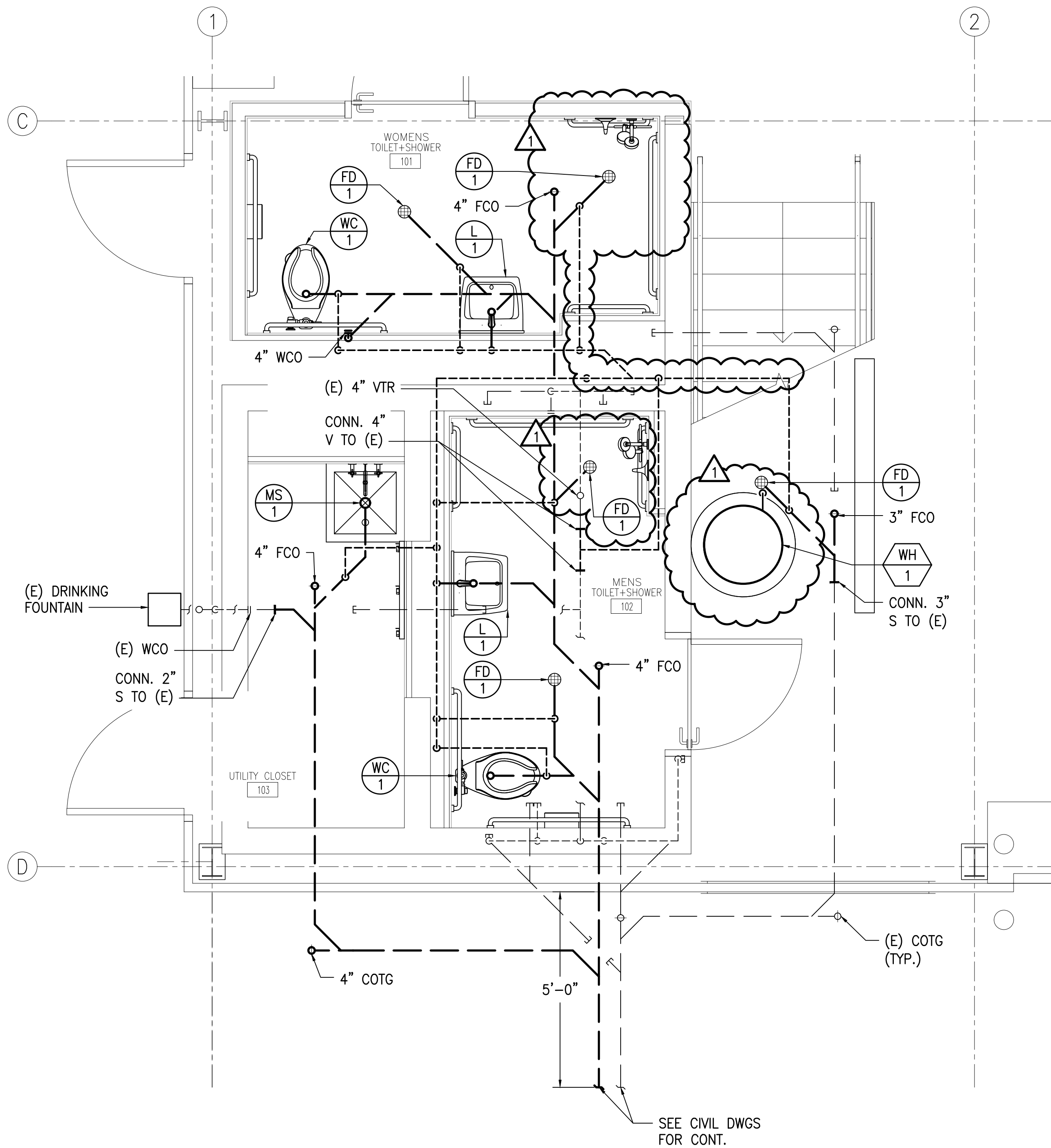
7 CMU JAMB ANCHOR AXON
3" = 1'-0"



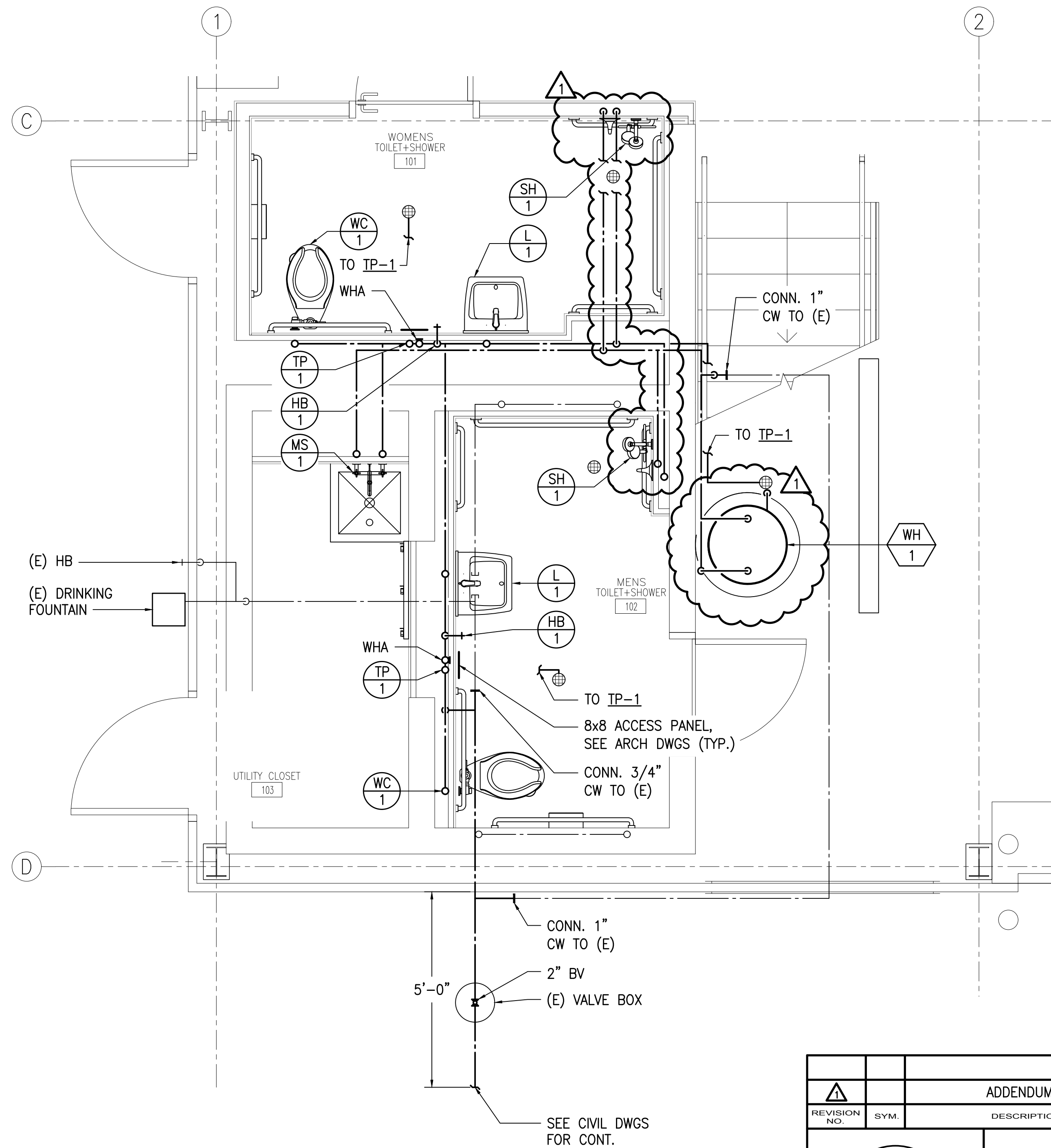
8 MTL STUD JAMB ANCHOR AXON
3" = 1'-0"



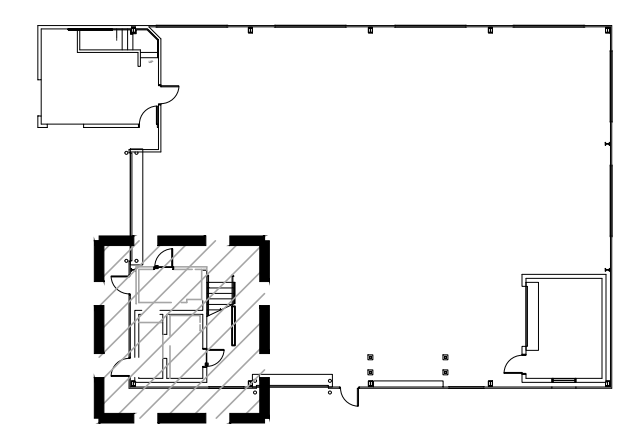
| | | | | |
|--|------------------|-----------|------------------|---|
| 1 | ADDENDUM 1 | 5/15/2026 | AC | a |
| REVISION NO. | SYMBOL | DATE | APPROVED | |
| | | | | |
| STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY IMPROVEMENTS - PHASE 1A (BUILDING IMPROVEMENTS) SAND ISLAND, O'AHU, HAWAII | | | | |
| DOOR SCHEDULE, DOOR TYPE & DOOR DETAILS | | | | |
| DESIGNED: JV | SUBMITTED: KR | | | |
| DRAWN: KR | DATE: APRIL 2026 | | | |
| CHECKED: CO | SCALE: AS NOTED | | | |
| APPROVED: | May 18, 2026 | | DRAWING NO. A502 | |
| CHIEF ENGINEER | DATE | | | |



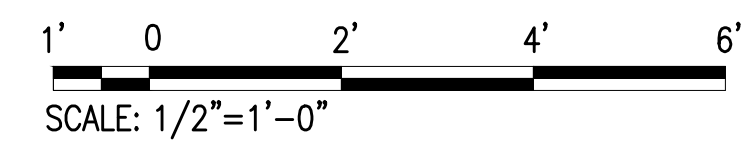
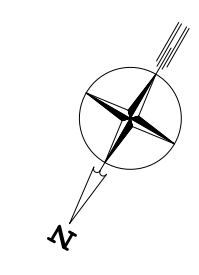
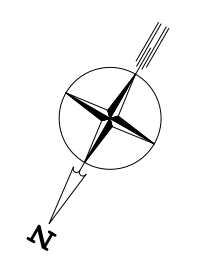
1
M221
**PLUMBING SANITARY
PARTIAL PLAN**
SCALE: 1/2" = 1'-0"



2
M221
**PLUMBING WATER
PARTIAL PLAN**
SCALE: 1/2" = 1'-0"

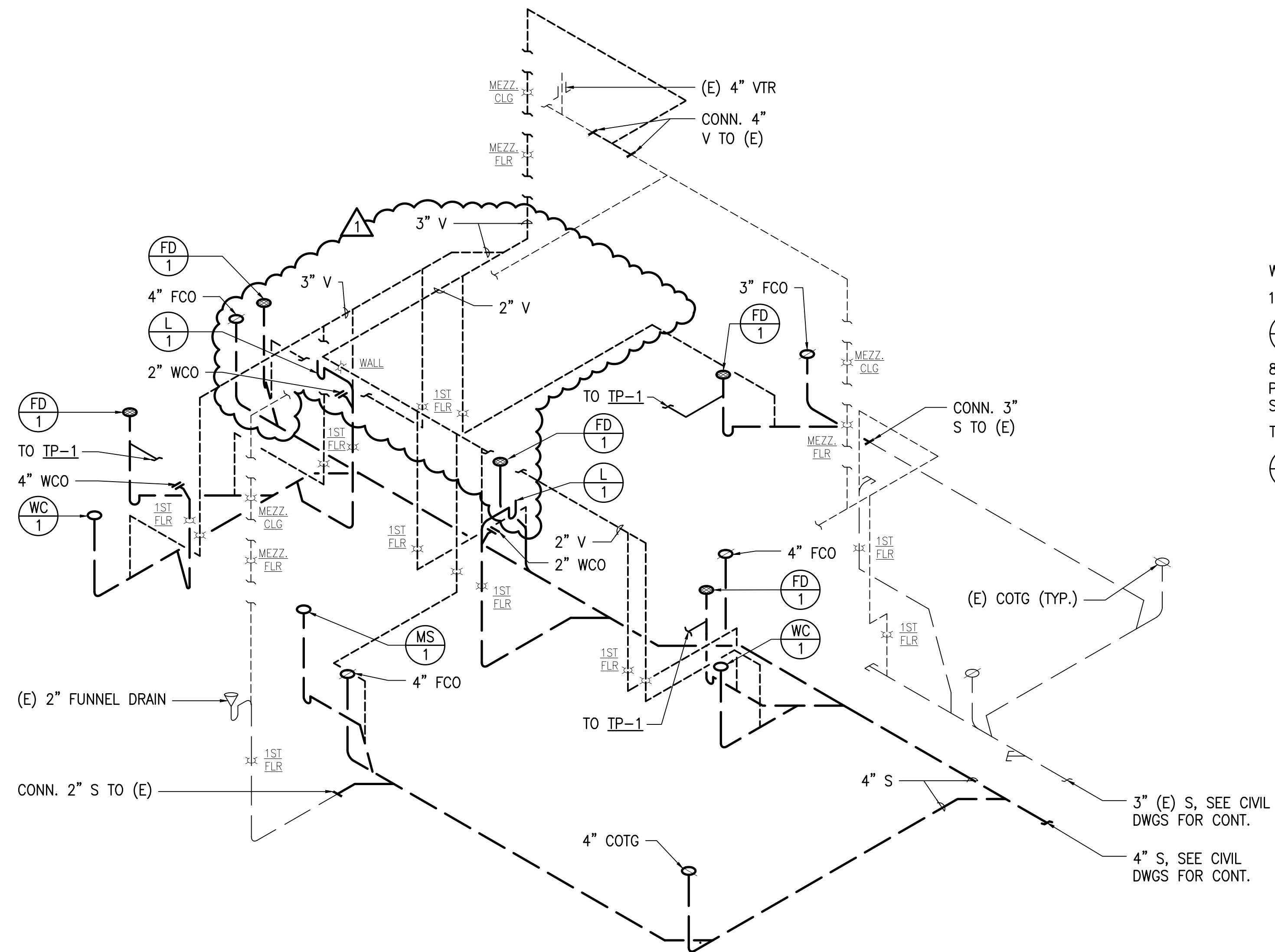


KEY PLAN

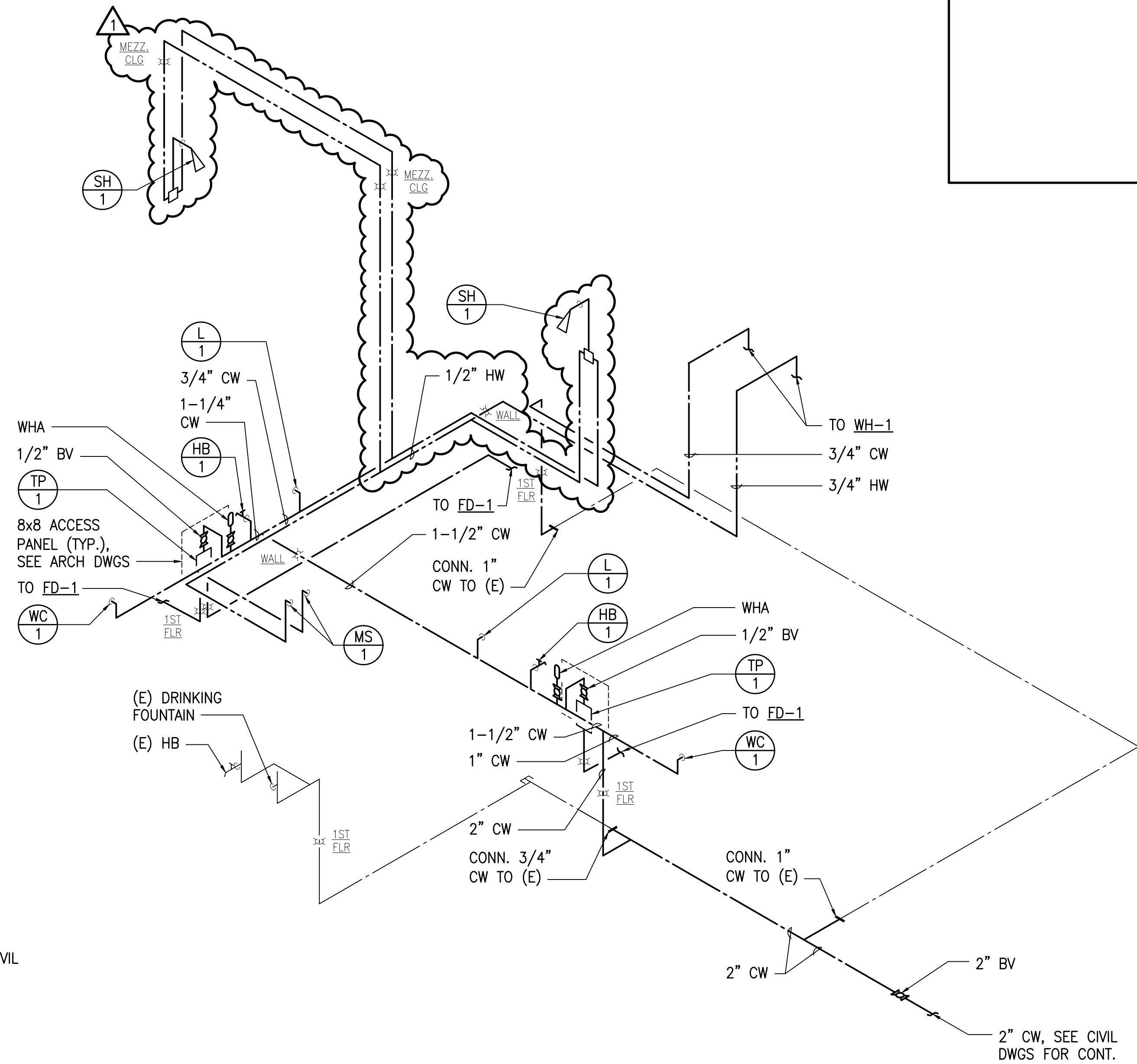


| REVISION NO. | SYM. | DESCRIPTION | SHT./OF | DATE | APPROVED |
|--------------|------|-------------|---------|------------|----------|
| | | ADDENDUM 1 | | 05/15/2026 | GC |

| | | | |
|-----------------|-----------------------|--|------|
| | | STATE OF HAWAII | |
| | | DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION | |
| | | ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY IMPROVEMENTS - PHASE 1A (BUILDING IMPROVEMENTS) SAND ISLAND, O'AHU, HAWAII | |
| | | PLUMBING PARTIAL PLAN | |
| DESIGNED: EK/LS | SUBMITTED: APRIL 2026 | | |
| DRAWN: EK/LS | DATE: APRIL 2026 | | |
| CHECKED: KFC | SCALE: AS NOTED | | |
| APPROVED: | May 18, 2026 | DRAWING NO. | M221 |
| CHIEF ENGINEER | DATE | | |



1 SANITARY PIPING DIAGRAM
M301 NOT TO SCALE



2 WATER PIPING DIAGRAM
M301 NOT TO SCALE

| REVISION NO. | SYM. | DESCRIPTION | SHT./OF | DATE | APPROVED |
|--------------|------|-------------|---------|------------|----------|
| | | ADDENDUM 1 | | 05/15/2026 | GC |

| | | |
|---------------|--|----------------------------|
| | STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION | |
| | ANUENUE FISHERIES RESEARCH CENTER ANNEX FACILITY IMPROVEMENTS - PHASE 1A (BUILDING IMPROVEMENTS) SAND ISLAND, O'AHU, HAWAII | |
| | PIPING DIAGRAMS | |
| | DESIGNED: EK/LS | SUBMITTED: APRIL 2026 |
| DRAWN: EK/LS | DATE: APRIL 2026 | |
| CHECKED: KFC | SCALE: AS NOTED | |
| APPROVED: | May 18, 2026 DATE | DRAWING NO. M301 |