

KONA COMMUNITY HOSPITAL

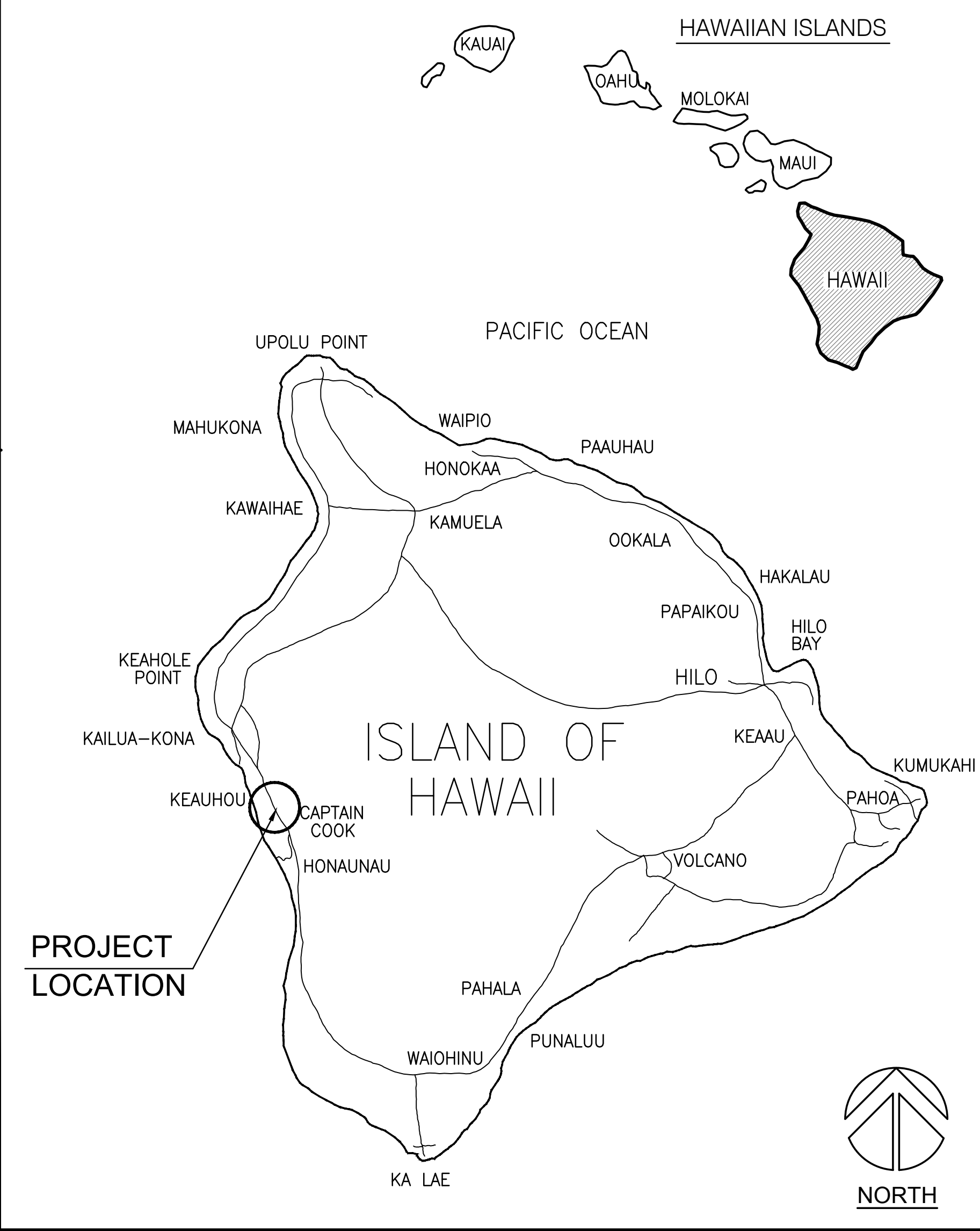
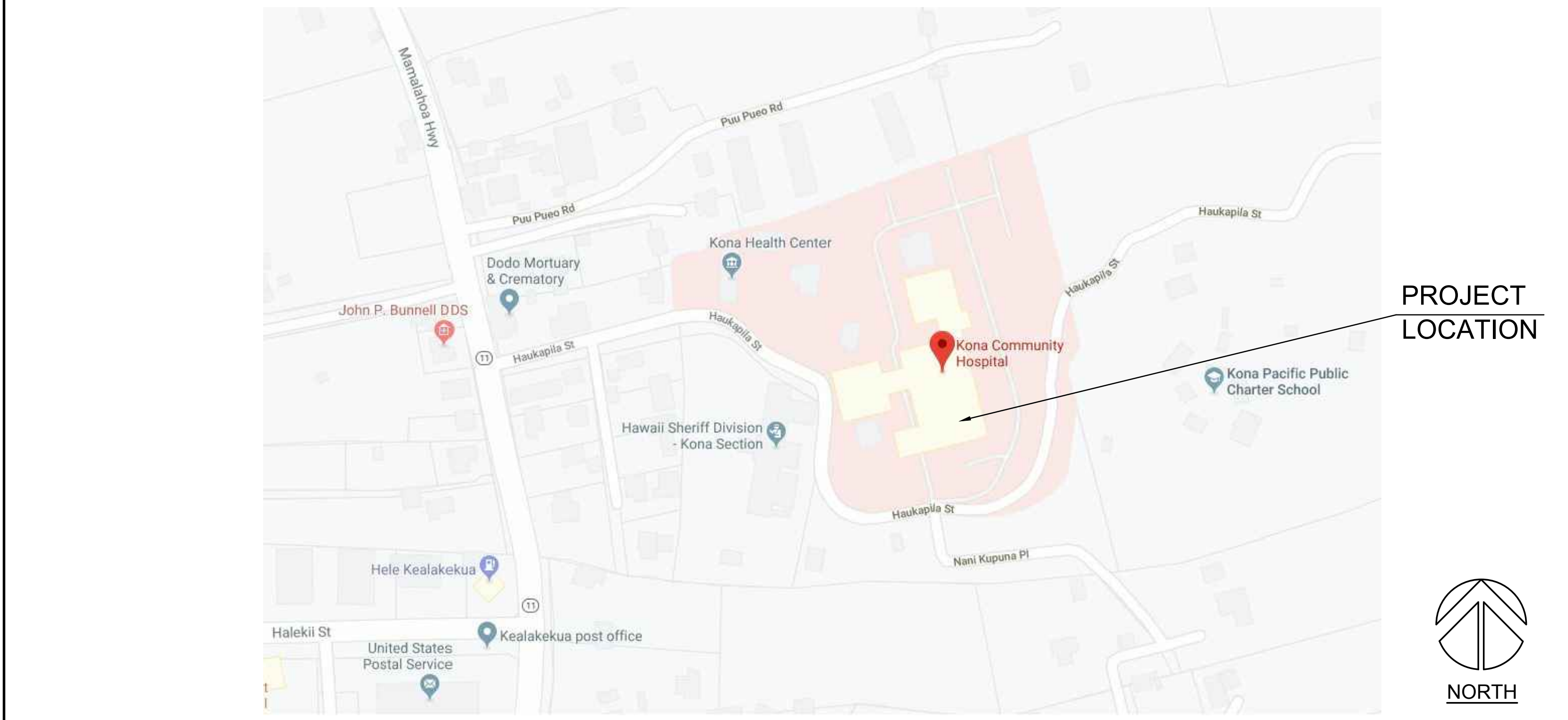

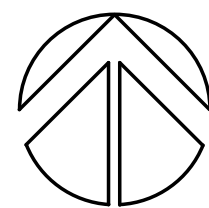


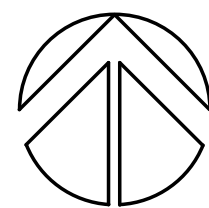


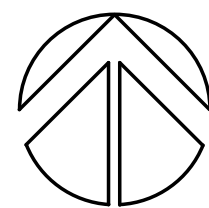

18-0054-1 COMPACTOR IMPROVEMENTS

79-1019 HAUKAPILA STREET, KEALAKEKUA, HAWAII 96750

TAX MAP KEY: 7-9-010:081

D.A.G.S. JOB NO.: 18-0054-1

FOR
KONA COMMUNITY HOSPITAL

ISLAND MAP NTS		VICINITY MAP NTS			APPROVALS																																								
					<table><tr><th>REVISION NO.</th><th>SYMBOL</th><th>DESCRIPTION</th><th>SHT. OF</th><th>DATE</th><th>APPROVED</th></tr><tr><td colspan="6"><div><div><div><div>KONA COMMUNITY HOSPITAL</div><div>18-0054-1 COMPACTOR IMPROVEMENTS</div><div>TMK: 7-9-010:081</div><div>PROJECT TITLE, ISLAND MAP, VICINITY MAP, PROJECT TEAM, APPROVALS</div></div><table><tr><td colspan="2">INK ARCH, LLC</td><td>JOB NO.</td><td>DRAWING NO.</td></tr><tr><td>DESIGNED BY: INK</td><td>CHECKED BY: TL/MK</td><td>18-0054-1</td><td>T-101</td></tr><tr><td>DRAWN BY: INK</td><td>APPROVED BY: SH</td><td>DATE</td><td>SHEET 1</td></tr><tr><td colspan="2">SCALE: AS NOTED</td><td>OCT 2020</td><td>OF 11 SHTS.</td></tr></table></div></div></td></tr><tr><td colspan="2"><div><div><div>NORTH</div></div><div><div><div>TITLE</div></div><div><div>A-</div><div>SCALE: 1/4" = 1'-0"</div></div><div>DRAWING TITLE</div></div></div></td><td colspan="3"><div><div>SYMBOLS</div><div>DESIGN TEAM</div></div><div><div>ARCHITECT: INK ARCH, LLC 650 IWILEI ROAD, SUITE 288 HONOLULU, HI 96817-5395 PH: (808) 536-1174</div><div>CIVIL: IMATA ASSOCIATES, INC. 171 KAPIOLANI STREET HILO, HAWAII 96720 PH: (808) 935-6827</div><div>STRUCTURAL: CONSULTING STRUCTURAL HAWAII 99-860 IWAENA STREET AIEA, HAWAII 96701 PH: (808) 945-0198</div><div>ELECTRICAL: INTERFACE ENGINEERING, INC. 1132 BISHOP STREET, SUITE 1930 HONOLULU, HAWAII 96813 PH: (808) 628-3340</div></div></td><td colspan="4"><div><div>PROJECT PHASE</div><div>FINAL/BID SUBMITTAL OCT 2020</div></div></td></tr></table>				REVISION NO.	SYMBOL	DESCRIPTION	SHT. OF	DATE	APPROVED	<div><div><div><div>KONA COMMUNITY HOSPITAL</div><div>18-0054-1 COMPACTOR IMPROVEMENTS</div><div>TMK: 7-9-010:081</div><div>PROJECT TITLE, ISLAND MAP, VICINITY MAP, PROJECT TEAM, APPROVALS</div></div><table><tr><td colspan="2">INK ARCH, LLC</td><td>JOB NO.</td><td>DRAWING NO.</td></tr><tr><td>DESIGNED BY: INK</td><td>CHECKED BY: TL/MK</td><td>18-0054-1</td><td>T-101</td></tr><tr><td>DRAWN BY: INK</td><td>APPROVED BY: SH</td><td>DATE</td><td>SHEET 1</td></tr><tr><td colspan="2">SCALE: AS NOTED</td><td>OCT 2020</td><td>OF 11 SHTS.</td></tr></table></div></div>						INK ARCH, LLC		JOB NO.	DRAWING NO.	DESIGNED BY: INK	CHECKED BY: TL/MK	18-0054-1	T-101	DRAWN BY: INK	APPROVED BY: SH	DATE	SHEET 1	SCALE: AS NOTED		OCT 2020	OF 11 SHTS.	<div><div><div>NORTH</div></div><div><div><div>TITLE</div></div><div><div>A-</div><div>SCALE: 1/4" = 1'-0"</div></div><div>DRAWING TITLE</div></div></div>		<div><div>SYMBOLS</div><div>DESIGN TEAM</div></div> <div><div>ARCHITECT: INK ARCH, LLC 650 IWILEI ROAD, SUITE 288 HONOLULU, HI 96817-5395 PH: (808) 536-1174</div><div>CIVIL: IMATA ASSOCIATES, INC. 171 KAPIOLANI STREET HILO, HAWAII 96720 PH: (808) 935-6827</div><div>STRUCTURAL: CONSULTING STRUCTURAL HAWAII 99-860 IWAENA STREET AIEA, HAWAII 96701 PH: (808) 945-0198</div><div>ELECTRICAL: INTERFACE ENGINEERING, INC. 1132 BISHOP STREET, SUITE 1930 HONOLULU, HAWAII 96813 PH: (808) 628-3340</div></div>			<div><div>PROJECT PHASE</div><div>FINAL/BID SUBMITTAL OCT 2020</div></div>			
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GENERAL NOTES

THE OWNER: KONA COMMUNITY HOSPITAL

THE ARCHITECT: INK ARCH, LLC

1. **LAWS AND ORDINANCES:** AS USED HEREIN SHALL MEAN ALL COUNTY, STATE, AND NATIONAL CODES, ORDINANCES, STANDARDS, RULES, AND REGULATIONS OF ANY NATURE WHICH ARE PERTINENT TO, OR REGULATORY OVER, THE WORK COVERED BY THE CONTRACT DOCUMENTS OF THIS PROJECT. ALL CONTRACTORS SHALL COMPLY FULLY WITH ALL APPLICABLE LAWS AND ORDINANCES. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT BUILDING CODE AND THE LATEST STATE OF HAWAII AMENDMENTS OR THE RESPECTIVE CITY AND/OR COUNTY AMENDMENTS BY EACH AGENCY HAVING JURISDICTION OF THE PROJECT.

2. **CONFLICT:** IN THE CASE OF ANY CONFLICT WHEREIN THE METHODS, OR STANDARDS OF INSTALLATION, OR THE SPECIFIED MATERIALS ARE NOT IN COMPLIANCE WITH THE REQUIREMENTS OF THE LAWS OR ORDINANCES, THE LAWS OR ORDINANCES SHALL GOVERN. IN THE CASE OF A DISCREPANCY IN THE DRAWINGS OR SPECIFICATIONS, BUT NOT DIRECTLY RELATED TO THE PROVISIONS, CODES, OR ORDINANCES, THE CONTRACTOR SHALL 1) PROVIDE THE BETTER QUALITY, OR GREATER QUANTITY OF WORK, OR 2) COMPLY WITH THE MORE STRINGENT REQUIREMENT IN ACCORDANCE WITH THE ARCHITECT'S INTERPRETATION, OR 3) REQUEST IN WRITING ADDITIONAL CLARIFICATION OR INFORMATION. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ALL CONFLICTS IN WRITING.

3. **CONDITIONS OF THE WORK:** THE INFORMATION INDICATED ON THE DRAWINGS IS BASED ON LIMITED FIELD INVESTIGATION AND ON THE AVAILABLE RESOURCES AT THE TIME OF DOCUMENT PREPARATION. AS A RESULT, THE ACCURACY AND COMPLETENESS OF THE INFORMATION IS NOT GUARANTEED ON DATE OF COMMENCEMENT OR CONSTRUCTION. THEREFORE, THE CONTRACTOR SHALL VERIFY THE DIMENSIONS SHOWN ON THE DRAWINGS WITH ACTUAL FIELD MEASUREMENTS, EXAMINE THE JOB SITE, VERIFY ALL FIELD CONDITIONS PRIOR TO PREPARING LAYOUTS, SUBMITTALS, SHOP DRAWINGS, AND/OR ORDERING ANY MATERIAL, AND PROVIDE THE LABOR AND MATERIALS REQUIRED TO COMPLETE THE REQUIRED WORK. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL MANNER THAT IS OF ACCEPTABLE WORKMANSHIP OF THE RESPECTIVE TRADES. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING PRIOR TO THE COMMENCEMENT OF WORK, IF THERE ARE ANY DIMENSIONAL DISCREPANCIES, OR IF THERE ARE ANY CONDITIONS THAT EXIST WHICH MAY PREVENT THE CONTRACTOR'S PERFORMANCE OF WORK PER CONTRACT DOCUMENTS, AND/OR OF ANY AND ALL ADDITIONAL WORK THAT MAY BE REQUIRED AS A RESULT OF THE OBSERVED CONDITIONS.

4. **OMISSIONS:** OMISSIONS OF THE DRAWINGS, OR SPECIFICATIONS, OR THE OMISSIONS OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, AND/OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED, OR INCORRECTLY DESCRIBED DETAILS OF THE WORK, BUT SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR UPON DISCOVERY OF OMISSION SHALL IMMEDIATELY NOTIFY THE OWNER VERBALLY OF SUCH OMISSIONS AND PROVIDE A WRITTEN STATEMENT OF THE OMISSIONS WITHIN (5) WORKING DAYS OF VERBAL NOTIFICATION.

5. **INTENT OF THE DRAWINGS:** THE DRAWINGS ARE INTENDED TO DEFINE AND ESTABLISH THE PHYSICAL REQUIREMENTS OF THE PROJECT, I.E., THE DESIGN, LOCATIONS AND DIMENSIONS OF THE WORK, BASED ON RECOGNIZED STANDARDS, EVEN IF NOT ACTUALLY SHOWN, BUT REASONABLY INFERRED. ALL WORK SHOWN IS "NEW" UNLESS OTHERWISE NOTED AS "EXISTING". USES OF "FURNISH" AND "PROVIDE" AUTOMATICALLY MEANS "NEW" UNLESS SPECIFICALLY STATED AS "EXISTING". THE CONTRACTOR SHALL REVIEW AND VERIFY THE INFORMATION ON ALL DRAWINGS BEFORE PERFORMING THE WORK AND UPON DISCOVERY OF ANY OMISSION IMMEDIATELY NOTIFY THE OWNER IN WRITING OF ANY DISCREPANCIES. THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL SUBCONTRACTORS/TRADES TO ACHIEVE THE DESIGN INTENT AND SPECIFIED REQUIREMENTS AND IS RESPONSIBLE TO COMPLETE ANY AND ALL WORK ASSOCIATED WITH SUCH COORDINATION.

6. **PREPARATION AND PROTECTION:** BEFORE STARTING WORK ON EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MAKE A THOROUGH AND COMPLETE INVESTIGATION OF SUCH RECIPIENT SURFACES AND DETERMINE THEIR SUITABILITY TO RECEIVE REQUIRED ADDITIONAL CONSTRUCTION AND FINISHES. THE CONTRACTOR SHALL MAKE WHATEVER REPAIRS AND CONDITIONING REQUIRED TO PROPERLY PREPARE SUCH SURFACES. THE CONTRACTOR SHALL PROTECT EXISTING WORK IN A MANNER TO PREVENT ANY DAMAGE AND SHALL EXERCISE ALL REQUIRED PRECAUTIONS NECESSARY TO PROTECT ALL BUILDINGS AND OTHER CONSTRUCTION ON THE PROPERTY ADJACENT TO THAT OF THE WORK UNDER THE CONTRACT.

7. **TEMPORARY PROTECTION:** THE CONTRACTOR SHALL ERECT AND MAINTAIN A TEMPORARY SAFETY BARRICADE A MINIMUM OF 5'-0" OUTSIDE THE PROJECT AREA AS APPLICABLE, ENCOMPASSING THE PROJECT AREA TO PROTECT THE OCCUPANTS AND THE PUBLIC. THE BARRICADE SHALL REMAIN DURING THE DURATION OF THE PROJECT OR UNTIL APPROVAL IS GIVEN BY THE CONTRACTING OFFICER FOR ITS REMOVAL. A DESIGNATED STAGING AREA WILL BE ALLOWED AT THE PROJECT SITE. STAGING AREA SHALL BE USED FOR MATERIALS, DUMPSTER, HEAVY EQUIPMENT, LIFT, ETC. THE CONTRACTOR SHALL ERECT CONSTRUCTION FENCING AROUND THEIR DESIGNATED STAGING AREA TO PREVENT UNAUTHORIZED PERSONS FROM ENTERING. EXTERIOR BARRICADES AND FENCING SHALL BE LOCATED AS REQUIRED AND IN SUCH A MANNER AS TO MAINTAIN ALL REQUIRED FIRE EXITS AND FIRE LANES FROM ADJACENT OCCUPIED BUILDINGS.

8. **COMPLETION OF THE WORK:** THE CONTRACTOR SHALL IN THE WORK OF ALL TRADES, PERFORM ANY AND ALL CUTTING, PATCHING, REPAIRING, RESTORING AND THE LIKE NECESSARY TO COMPLETE THE WORK AND RESTORE ANY DAMAGED OR AFFECTED SURFACES RESULTING FROM THE WORK OF THIS CONTRACT TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION, INCLUDING, BUT NOT LIMITED TO SAFETY PRECAUTIONS FASTENERS, ANCHORAGES, ETC. UNLESS NOTED OTHERWISE.

9. **PERMITS:** THE CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS REQUIRED.

10. **RECORD DRAWINGS:** THE CONTRACTOR SHALL PROVIDE THE CONTRACTING OFFICER WITH A SET OF XEROGRAPHIC VELLUM "AS-BUILT" DRAWINGS OF WORK.

11. **DIMENSIONS:** UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS, ALL DIMENSIONS ARE TAKEN TO THE FACE OF EXISTING STRUCTURE, OR FACE OF FINISH CONSTRUCTION. WRITTEN DIMENSIONS PREVAIL, DO NOT SCALE DRAWINGS. SHOULD DIMENSIONAL DISCREPANCIES BE FOUND, CONTACT THE OWNER IMMEDIATELY FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.

12. **CLEAN UP:** THE CONTRACTOR SHALL CLEAN AND REMOVE ALL TRASH, DIRT, DEBRIS, AND SPILLAGE ARISING FROM THE WORK DAILY TO THE SATISFACTION OF THE CONTRACTING OFFICER AND THE ARCHITECT, INCLUDING BUT NOT LIMITED TO: CLEANING OF DIRT, PUTTY, PAINT, DUST, ETC. FROM AREAS, COUNTER TOPS, DOOR AND WINDOW FACES AND FRAMES.

13. **SAFE OPERATIONS:** THE CONTRACTOR SHALL ENSURE THAT ANY AND ALL CONSTRUCTION ACTIVITIES DO NOT IMPACT OR INTERFERE WITH NORMAL OR SAFE OPERATIONS AT THE PROJECT SITE. THE CONTRACTOR SHALL TAKE ALL SAFETY PRECAUTIONS NECESSARY TO PROTECT THE BUILDING OCCUPANTS AND THE PUBLIC THROUGHOUT THE DURATION OF THIS PROJECT.

14. **PREVENT DAMAGE:** THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO EXISTING AND COMPLETED STRUCTURES/LANDSCAPING AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES/LANDSCAPING CAUSED BY HIS OPERATIONS.

15. **DO NOT BLOCK EXITS:** THE CONTRACTOR SHALL NOT BLOCK OR OBSTRUCT ANY EXIT WAYS DURING THE EXECUTION OF WORK THROUGHOUT THIS PROJECT.

16. **SOUND AND NOISE CONTROL:** THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE OWNER ALL WORK THAT WILL GENERATE EXCESSIVE NOISE WHICH MAY DISRUPT NORMAL OPERATING ACTIVITIES.

17. **MATERIAL DISPOSAL:** UNLESS NOTED IN THE DRAWINGS OR SPECIFICATIONS, MATERIALS RESULTING FROM THE DEMOLITION WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS OR AS SPECIFIED.

18. **DEFINITIONS:**

a) "FURNISH" MEANS "FURNISH ONLY". MATERIALS OR ITEMS TO BE FURNISHED SHALL BE CONSIGNED TO THE CONTRACTOR AND DELIVERED TO THE SITE.

b) "INSTALL" MEANS "INSTALL ONLY" FURNISHED MATERIALS OR ITEMS. SUCH MATERIALS OR ITEMS SHALL BE RECEIVED AT THE SITE, UNLOADED, STORED, PROTECTED, AND INSTALLED IN PLACE, INCLUDING FINAL UTILITY CONNECTIONS, UNLESS SUCH WORK IS SPECIFICALLY EXCLUDED.

c) "PROVIDE" MEANS "FURNISH AND INSTALL" COMPLETE, IN PLACE AND READY FOR USE, INCLUDING FINAL UTILITY CONNECTIONS. ALL WORK SHOWN IN THE DRAWINGS SHALL BE UNDERSTOOD AS "PROVIDE" WHETHER NOTES INDICATING "PROVIDE" ARE INDICATED OR NOT.

d) WORDS "CONTRACTOR SHALL" ARE IMPLIED AND SHALL BE SO UNDERSTOOD WHEREVER A DIRECTION IS STATED IN IMPERATIVE MOOD AND DIRECTION "PROVIDE" IS USED.

e) UNLESS SPECIFICALLY STATED AS "EXISTING", ALL MATERIALS SHALL BE NEW IN ALL CASES WHEN NOTES ARE ADDED TO DRAWINGS. ALSO, USES OF "FURNISH" AND "PROVIDE" AUTOMATICALLY MEANS "NEW" UNLESS SPECIFICALLY STATED AS "EXISTING".

19. **EXISTING UTILITIES:** PRIOR TO COMMENCING ANY CONSTRUCTION THE CONTRACTOR SHALL COORDINATE AND VERIFY THE LOCATIONS OF ALL UNDERGROUND OR OVERHEAD UTILITY LINES WITH THE OWNER TO AVOID CONFLICTS AND/OR SHUT DOWN DURING ALL STAGES OF CONSTRUCTION.

20. **SUBCONTRACTORS:** THE USE OF UNLICENSED CONTRACTORS IS STRICTLY PROHIBITED. THE CONTRACTOR IS RESPONSIBLE TO THE OWNER FOR ACTS AND OMISSIONS OF THE CONTRACTOR'S EMPLOYEES, SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES, AND OTHER PERSONS PERFORMING ANY PORTIONS OF WORK UNDER CONTRACT WITH THE CONTRACTOR.

21. **HAZARDOUS MATERIALS:** HAZARDOUS MATERIAL ABATEMENT MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS INDICATED IN THE DRAWINGS AND/OR SPECIFICATIONS. BURNING OF ANY DEBRIS IS NOT PERMITTED. EXPLOSIVES ARE NOT ALLOWED.

22. **WOOD:** ALL NEW WOOD SHALL BE TERMITE TREATED. ALL PAINT ON WOOD SURFACES SHALL CONTAIN A MILDEWCIDE ADDITIVE. PROVIDE WRITTEN CERTIFICATION OF TERMITE TREATMENT.

23. **DISSIMILAR METAL PROTECTION:** THE CONTRACTOR SHALL PROVIDE DISSIMILAR METAL PROTECTION.

24. **MECHANICAL AND ELECTRICAL ITEMS:** ALL NEW EXPOSED MECHANICAL AND ELECTRICAL PIPING, CONDUITS, DUCTWORK AND RELATED FITTINGS, AND FASTENERS ARE TO BE PAINTED THE SAME COLOR/SHEEN AS THE COLOR/SHEEN OF THE SURFACE IT IS ATTACHED TO UNLESS OTHERWISE NOTED.

25. **RENOVATION WORK:** THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A WATERPROOF AND SECURE COVERING FOR ANY AND ALL BUILDING ELEMENTS EXPOSED TO WEATHER, THEFT, OR VANDALISM AFTER THE REMOVAL OF ANY EXTERIOR BUILDING COMPONENTS INCLUDING BUT NOT LIMITED TO ROOFING, EXTERIOR WALLS, SIDING, WINDOWS AND DOORS FOR THE DURATION OF EXPOSURE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ITEMS LEFT INSIDE THE BUILDING BY THE USER FOR THE DURATION OF THE WORK.

DEMOLITION NOTES

1. MATERIALS RESULTING FROM THE DEMOLITION WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS.

2. THE CONTRACTOR SHALL COORDINATE AND EXECUTE ALL WORK IN AN ORDERLY AND CAREFUL MANNER AND SHALL REPAIR ANY DAMAGE TO EXISTING ITEMS "TO REMAIN".

3. BURNING OF ANY DEBRIS IS NOT PERMITTED.

4. EXPLOSIVES ARE NOT ALLOWED.

5. REPAIR ANY AND ALL EXISTING ITEMS TO REMAIN THAT BECOME DAMAGED DURING THE WORK. CONSTRUCTION AND FINISH TO MATCH ADJACENT EXISTING CONDITIONS.

6. DEMOLISH AND REMOVE ANY AND ALL ITEMS, WHETHER INDICATED OR NOT, AS REQUIRED TO COMPLETE THE WORK.

INDEX TO DRAWINGS

SHEET NO.

DRAWING NO.

TITLE

GENERAL

PROJECT TITLE, ISLAND MAP, VICINITY MAP, PROJECT TEAM, APPROVALS

2

T-102

GENERAL NOTES, DEMOLITION NOTES, INDEX TO DRAWINGS

CIVIL

NOTES

SITE PLANS AND DETAILS

STRUCTURAL

GENERAL NOTES □ TYPICAL DETAILS

FOUNDATION PLAN

SECTIONS □ DETAILS

ARCHITECTURAL

FLOOR PLAN, EXTERIOR ELEVATION. BUMPER AND LEVELER DEMO

ELECTRICAL

ELECTRICAL SYMBOLS, SHEET INDEX

GENERAL ELECTRICAL NOTES

SITE PLAN - ELECTRICAL - PACKAGE 2

REVISION NO.

SYMBOL

DESCRIPTION

SHT. OF

DATE

APPROVED

SCOTT R.J. HARADA

LICENSED PROFESSIONAL ARCHITECT

No. 14637

HAWAII, U.S.A.

Signature

LICENSE EXPIRATION DATE: 04/30/22

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

KONA COMMUNITY HOSPITAL

18-0054-1

COMPACTOR IMPROVEMENTS

TMK: 7-9-010:081

GENERAL NOTES, DEMOLITION NOTES, INDEX TO DRAWINGS

INK ARCH, LLC

JOB NO. 18-0054-1

DRAWING NO. T-102

DESIGNED BY: INK

CHECKED BY: TL/MK

DRAWN BY: INK

APPROVED BY: SH

DATE: OCT 2020

SHEET 2 OF 11 SHTS.

SCALE: AS NOTED

FILE.....

DRAWER.....

FOLDER.....

CONSTRUCTION NOTES

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF HAWAII DEPARTMENT OF PUBLIC WORKS "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER, 1984, AND "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER, 1986.
2.

THE ENGINEER RESERVES THE RIGHT TO MAKE CHANGES TO THE DRAINAGE SYSTEM AS SUCH CHANGES ARE FOUND TO BE NECESSARY AS THE LAND IS CLEARED AND EROSION CONTROL CONSTRUCTION PROGRESSES.
3.

ALL CONSTRUCTION LINES, GRADES AND SURVEY MONUMENT STAKEOUTS SHALL BE MADE BY LICENSED SURVEYORS.
4.

CONTRACTOR SHALL USE A SURVEYOR LICENSED IN THE STATE OF HAWAII TO LAYOUT AND SET GRADES FOR NEW CONSTRUCTION.

A.

AFTER COMPLETION OF FORMWORK AND PRIOR TO POURING CONCRETE, THE CONTRACTOR SHALL USE A 4' LONG DIGITAL LEVEL TO VERIFY SLOPES AT ALONG THE ACCESSIBLE ROUTE INCLUDING RAMPS AND WALKWAYS.

B.

CROSS SLOPES OF WALKWAYS AND RAMPS SHALL NOT EXCEED 2.00% (1:50 VERTICAL TO HORIZONTAL).

C.

LONGITUDINAL SLOPE OF RAMPS ALONG THE ACCESSIBLE ROUTE SHALL NOT EXCEED 8.33% (1:12 VERTICAL TO HORIZONTAL).

D.

ANY PORTION OF THE ACCESSIBLE ROUTE MEASURED WITH THE DIGITAL LEVEL TO HAVE A LONGITUDINAL SLOPE OF 5.00% (1:20 VERTICAL TO HORIZONTAL) OR GREATER WHICH IS NOT SPECIFIED IN THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER. ANY REMEDIAL ACTION NECESSARY SHALL BE BORN BY THE CONTRACTOR.

E.

GUTTER AND/OR PAVEMENT SLOPE WITHIN 4' OF THE BOTTOM OF CURB RAMPS SHALL NOT EXCEED 5.00% (1:20 VERTICAL TO HORIZONTAL).

F.

ANY SLOPES IN EXCESS OF THESE GUIDELINES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND THE CONTRACTOR SHALL FOLLOW HIS DIRECTION.

5.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER SUFFICIENTLY IN ADVANCE OF OPENING ANY OR UTILIZING EXISTING BORROW PITS OR ON SITE BORROW, SO THAT A DETERMINATION CAN BE MADE AS TO THE SUITABILITY OF THE BORROW MATERIAL TO BE INCORPORATED INTO THE CONSTRUCTION.

6.

THE CONTRACTOR SHALL CONDUCT ALL TESTS AS REQUESTED BY THE ENGINEER AND BE RESPONSIBLE FOR ALL EXPENSES INCURRED IN CONDUCTING THESE TESTS.

7.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLAN OR NOT, AND SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF SAME IN THE EVENT OF DAMAGES DUE TO HIS CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE RESPECTIVE UTILITY COMPANY.

8.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," AND TO THE SATISFACTION OF THE ENGINEER.

9.

ALL VEGETATION, INCLUDING TREES, SHALL BE REMOVED FROM WITHIN THE ENTIRE GRADED ROADWAY RIGHT-OF-WAY.
- SOLID WASTE CONSTRUCTION NOTES
1.

UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER HANDLING, STORAGE AND/OR DISPOSAL OF ALL WASTE GENERATED BY THIS CONSTRUCTION INCLUDING GRUBBING AND EXCESS EXCAVATED MATERIAL. ANY MATERIAL BROUGHT TO THE COUNTY LANDFILLS WILL BE SUBJECTED TO THE INSTITUTED TIPPING FEE SYSTEM, WITH NO EXCEPTIONS OR EXEMPTIONS.

2.

ALL WASTES GENERATED BY CONSTRUCTION, INCLUDING GRUBBING, DEMOLITION AND EXCESS EXCAVATION MATERIAL MAY BE BROUGHT TO THE WEST HAWAII LANDFILL. THE CONTRACTOR SHALL CHECK WITH THE SOLID WASTE DIVISION FOR DISCLOSURE OF THE CURRENT LANDFILL FEE AND CONSIDERATION OF THAT FEE SHALL BE INCLUDED IN THE CONTRACTOR'S BID SUM.

3.

CONSTRUCTION, DEMOLITION AND GRUBBING MATERIAL SHALL NOT BE DEPOSITED AT ANY OF THE COUNTY TRANSFER STATIONS, BUT SHALL BE TRANSPORTED FOR DISPOSAL AT THE WEST HAWAII LANDFILL.

4.

ASBESTOS MATERIAL MUST BE SEPARATED, DOUBLE BAGGED AND DEPOSITED IN A LANDFILL IN ACCORDANCE WITH REGULATIONS OF THE SOLID WASTE DIVISION, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT. INFORMATION MAY BE OBTAINED BY CALLING THE DIVISION AT (808) 961-8339 BETWEEN 7:00 AM AND 4:00 PM MONDAY THROUGH FRIDAY.

5.

ALL GREEN WASTE GENERATED FROM GRUBBING WORK, SHALL BE SEPARATED AND DEPOSITED AT THE GREEN WASTE AREA AT THE HILO OR WEST HAWAII DISPOSAL SITE. (NOTE: NO TREATED LUMBER IS ALLOWED IN THE GREEN WASTE)

6.

RECYCLE AS MUCH OF THE SOLID WASTE MATERIAL GENERATED BY THIS CONSTRUCTION AS POSSIBLE. EXCESS MATERIAL SHALL BE DISPOSED OF PROPERLY.

7.

CONTRACTOR SHALL SUBMIT A REPORT PRIOR TO THE COMMENCEMENT OF WORK, PER SOLID WASTE DEMOLITION PLAN GUIDELINES, AS AMENDED. AVAILABLE AT THE COUNTY OF HAWAII, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE.

8.

PRIOR TO THE DISPOSAL OF ANY CONSTRUCTION AND DEMOLITION (C & D) DEBRIS, THE CONTRACTOR/ HAULER IS REQUIRED TO SECURE A "NOTICE OF AUTHORIZATION TO DISPOSE" FROM THE SOLID WASTE DIVISION ENGINEER. PLEASE CONTACT THE SOLID WASTE DIVISION AT (808) 961-8270.
- | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------|------------------|---|------|----------|---------------|--|---------|-------------|---------------------|--------------------|-----------|-------|------------------|---------------------|------------------|------------------------|--------------------|--|--|--|
| REVISION NO. | SYMBOL | DESCRIPTION | SHT. OF | DATE | APPROVED | | | | | | | | | | | | | | | | |
| <div><div><div>DAVID T. IMATA</div><div>LICENSED PROFESSIONAL ENGINEER</div><div>No. 5105-C</div><div>HAWAII, U.S.A.</div></div><div><div><div>Signature</div><div>LICENSE EXPIRATION DATE: 04/30/22</div><div>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</div></div></div></div> | | | <div><div>KONA COMMUNITY HOSPITAL</div><div>18-0054-1</div><div>COMPACTOR IMPROVEMENTS</div><div>TMK: 7-9-010:081</div></div> <div>NOTES</div> <table><tr><td colspan="2">INK ARCH, LLC</td><td>JOB NO.</td><td>DRAWING NO.</td></tr><tr><td>DESIGNED BY:
EMM</td><td>CHECKED BY:
DTI</td><td>18-0054-1</td><td>C-001</td></tr><tr><td>DRAWN BY:
EMM</td><td>APPROVED BY:
DTI</td><td>DATE
OCT 2020</td><td>SHEET
3 OF 11 SHTS.</td></tr><tr><td colspan="2">SCALE:
AS NOTED</td><td colspan="2"></td></tr></table> | | | INK ARCH, LLC | | JOB NO. | DRAWING NO. | DESIGNED BY:
EMM | CHECKED BY:
DTI | 18-0054-1 | C-001 | DRAWN BY:
EMM | APPROVED BY:
DTI | DATE
OCT 2020 | SHEET
3 OF 11 SHTS. | SCALE:
AS NOTED | | | |
| INK ARCH, LLC | | JOB NO. | DRAWING NO. | | | | | | | | | | | | | | | | | | |
| DESIGNED BY:
EMM | CHECKED BY:
DTI | 18-0054-1 | C-001 | | | | | | | | | | | | | | | | | | |
| DRAWN BY:
EMM | APPROVED BY:
DTI | DATE
OCT 2020 | SHEET
3 OF 11 SHTS. | | | | | | | | | | | | | | | | | | |
| SCALE:
AS NOTED | | | | | | | | | | | | | | | | | | | | | |
- FILE..... DRAWER..... FOLDER.....

GENERAL NOTES

GENERAL:

- A. CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2012 EDITION, AND STANDARDS REFERENCED THEREIN, AS ADOPTED AND AMENDED BY THE HAWAII COUNTY BUILDING CODE.
- B. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS, EXISTING GROUND ELEVATIONS AND WORK CONDITIONS AGAINST THE PROJECT DRAWINGS PRIOR TO STARTING WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE CONTRACTING OFFICER.
- C. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING SHORING, LAGGING, AND PROTECTION OF ADJACENT PROPERTIES, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES.
- D. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR JOBSITE SAFETY. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR THE DESIGN AND PROVISION OF ALL TEMPORARY BRACING, SHORING, GUYS, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
- E. SPECIFIC DETAILS AND SCHEDULES SHALL TAKE PRECEDENCE OVER TYPICAL DETAILS AND SCHEDULES. IN GENERAL, DETAILS AND NOTES IN DRAWINGS SHALL TAKE PRECEDENCE OVER THE SPECIFICATIONS.
- F. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER BEFORE STARTING ANY WORK SO INVOLVED.

CONCRETE :

- A. ALL CONCRETE WORK SHALL CONFORM TO ACI 318--08. PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH THE ACI 301.
- B. ALL CONCRETE UNLESS OTHERWISE NOTED, SHALL BE REGULAR WEIGHT HARD ROCK TYPE (150 PCF).
- C. AGGREGATES SHALL CONFORM TO ASTM C33.
- D. CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- E. THE WATER CEMENT RATIO SHALL NOT EXCEED 0.50.
- F. 28 DAY COMPRESSIVE STRENGTH, AGGREGATE SIZE AND SLUMP SHALL BE AS FOLLOWS:

	STRENGTH PSI	MAXIMUM AGGREGATE	SLUMP +/- 1"
SLABS--ON--GRADE	3000	3/4"	4"
FOOTINGS	3000	3/4"	4"

- G. ALL INSERTS, ANCHOR BOLTS, PLATES, ETC, EMBEDDED IN CONCRETE SHALL BE HOT DIPPED GALVANIZED.
- H. EXCEPT FOR WALLS, PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES BUT SHALL NOT BE EMBEDDED THEREIN. SLEEVES SHALL BE 1" LARGER IN DIAMETER THAN THE PIPE AND THE ANNULAR SPACE SHALL BE CAULKED WITH A RESILIENT MATERIAL.
- I. SLEEVES EXCEEDING ONE THIRD THE WALL THICKNESS SHALL NOT BE PLACED LONGITUDINALLY IN THE WALLS, UNLESS SPECIFICALLY DETAILED.
- J. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER 4 WORKING DAYS PRIOR TO ANY CONCRETE POURS SO THAT THE REINFORCING STEEL LAYOUT AND CONCRETE POUR MAY BE OBSERVED. NO POUR SHALL PROCEED WITHOUT REINFORCING STEEL OBSERVATION.
- K. ALL SLABS--ON--GRADE SHALL BE POURED WITH CRACK CONTROL JOINTS NOT MORE THAN 15'-0" APART IN EACH DIRECTION OR AS INDICATED IN DRAWINGS. JOINTS SHALL BE SAWED OR MADE WITH PRE--FORMED METAL KEYS. WALKWAY JOINTS SHALL BE SPACED AT 4'-0" MAXIMUM OR AS SHOWN IN ARCHITECTURAL DRAWINGS.
- L. KEYED CONSTRUCTION JOINTS SHALL BE USED IN ALL CASES. ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED AND ALL LAITANCE SHALL BE REMOVED.
- M. CONCRETE SHALL BE MAINTAINED IN A MOIST CONDITION FOR AT LEAST THE FIRST SEVEN (7) DAYS AFTER PLACEMENT. ALTERNATE METHODS OF CURING WILL BE APPROVED IF SATISFACTORY PERFORMANCE CAN BE ASSURED.
- N. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW AT LEAST TWO WEEKS PRIOR TO CONCRETE POURS.

REINFORCING STEEL :

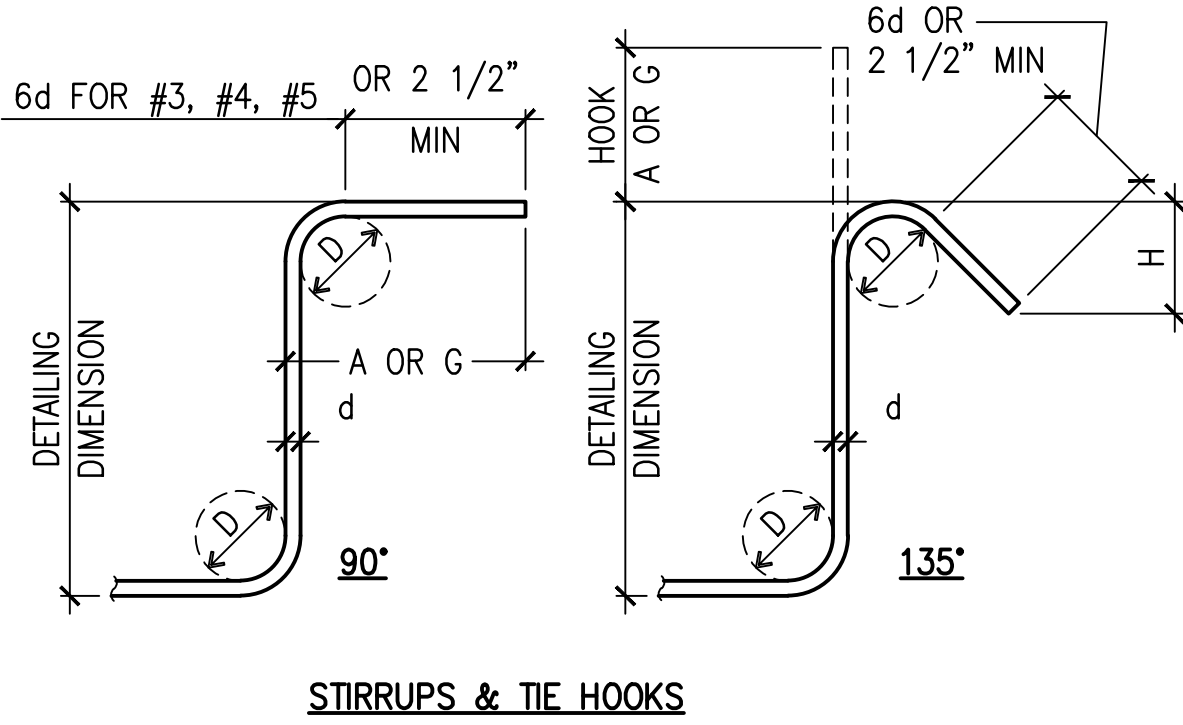
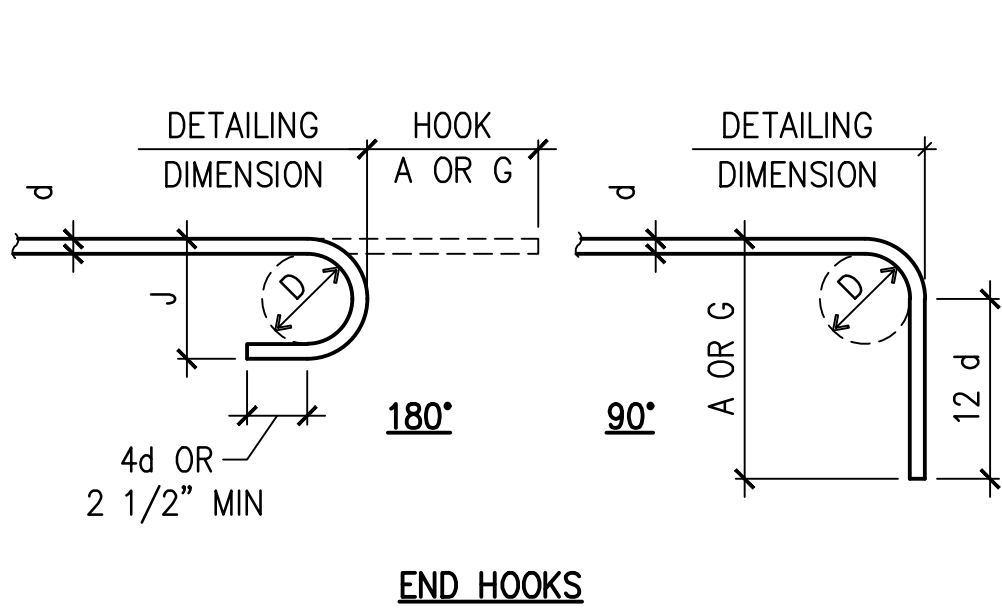
- A. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- B. WELDING OF REINFORCING BARS SHALL BE PROHIBITED.
- C. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE:
1. CAST-IN--PLACE CONCRETE:
- a. CONCRETE CAST AGAINST EARTH. 3"
- b. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER
- #6 AND LARGER 2"
- #5 AND SMALLER 1 1/2"
- c. FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER
- BEAM AND COLUMN MAIN BARS. 1 7/8"
- STIRRUPS AND TIES. 1 1/2"
- WALLS & SLABS. 3/4"
- E. PROVIDE DOWELS IN FOOTINGS AND GRADE BEAMS THE SAME SIZE AND SPACING AS COLUMN AND WALL BARS, UNLESS OTHERWISE NOTED.
- F. ALL REINFORCING STEEL SHALL BE LAPPED OR SPICED AT LOCATIONS AS INDICATED. WHERE LAP OR SPICE LOCATIONS ARE NOT SPECIFICALLY INDICATED, LAPS OR SPICES SHALL BE WELL STAGGERED.
- G. ALL REINFORCING STEEL SHALL BE LAPPED 48 BAR DIAMETERS OR 2 FEET MINIMUM UNLESS NOTED OTHERWISE IN PLANS.
- H. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
- I. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO STARTING FABRICATION. SHOP DRAWINGS SHALL BE COMPLETE AND INCLUDE GRADES, SIZES, LENGTHS, BENDS, AND SPACINGS OF ALL FOOTING, SLAB, COLUMN, WALL AND BEAM REINFORCING.

SPECIAL INSPECTION:

1. CONCRETE: DURING THE TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE EXCEPT FOR SLABS--ON--GRADE.
2. REINFORCING STEEL: DURING PLACEMENT OF REINFORCING STEEL FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION IN ITEM 1.
3. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OF REQUIRED INSPECTIONS NOTED ABOVE AT LEAST ONE WEEK PRIOR TO THE DAY OF THE REQUIRED INSPECTION AND SHALL LEAVE THE SPECIAL INSPECTION CONDITION "OPEN" UNTIL THE INSPECTION HAS BEEN PERFORMED.

BAR SIZE	180° HOOKS			90° HOOKS	
	D	A OR G	J	D	A OR G
#3	2 1/4"	5"	3"	2 1/4"	6"
#4	3"	6"	4"	3"	8"
#5	3 3/4"	7"	5"	3 3/4"	10"

BAR SIZE	D	90° HOOK	135° HOOK	
		A OR G	A OR G	H APPROX
#3	1 1/2"	4"	4"	2 1/2"
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"

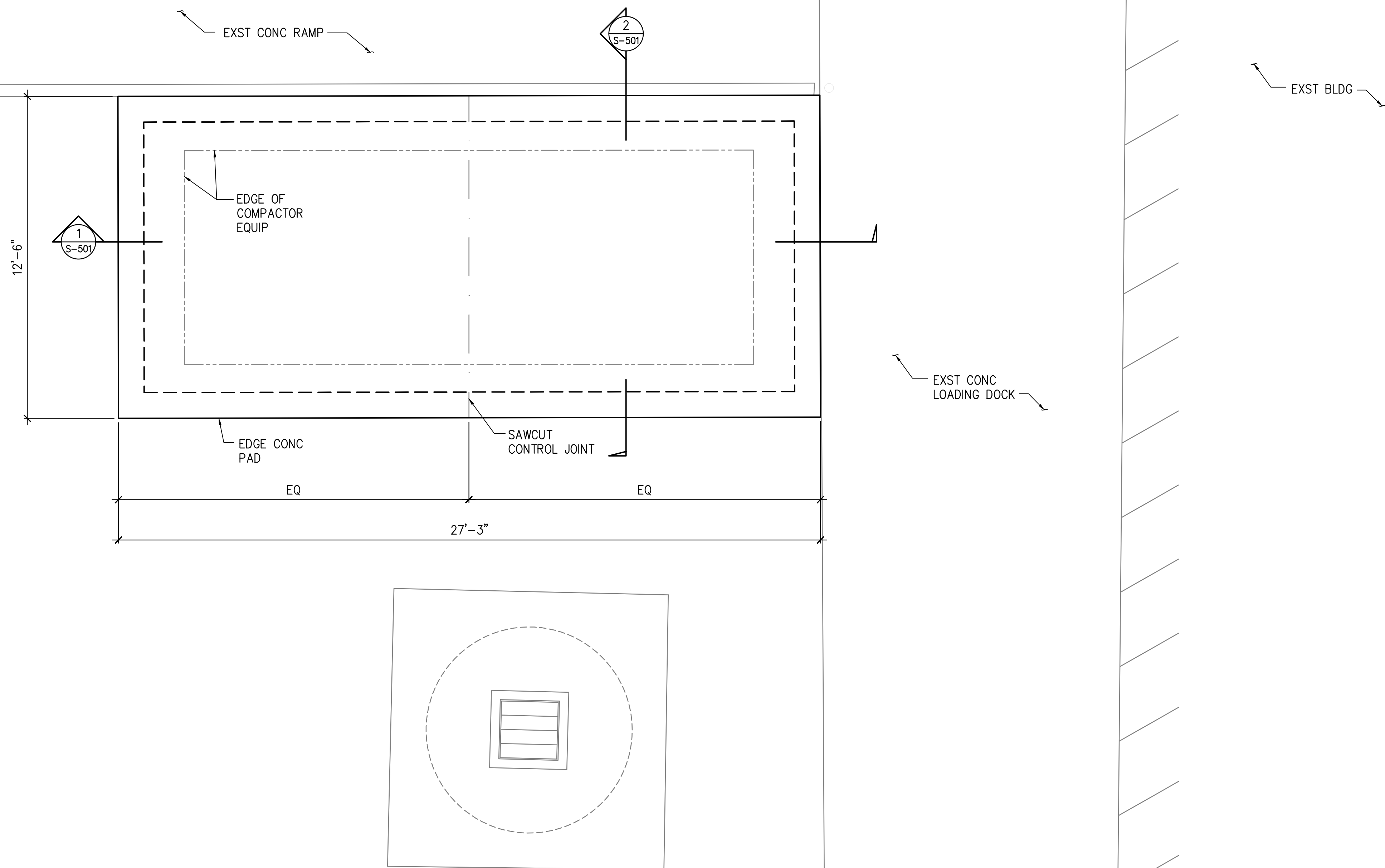


1 TYP HOOK DETAIL
S-001 SC: 3/4" = 1'-0"

REVISION NO.	SYMBOL	DESCRIPTION	SHT. OF	DATE	APPROVED
ETIHAN W. OKUMA LICENSED PROFESSIONAL ENGINEER No. 7811-S HAWAII, U.S.A.		KONA COMMUNITY HOSPITAL 18-0054-1 COMPACTOR IMPROVEMENTS TMK: 7-9-010:081			
INK ARCH, LLC		JOB NO.		DRAWING NO.	
DESIGNED BY: CSH	CHECKED BY: EWO	18-0054-1		S-001	
DRAWN BY: AK	APPROVED BY: EWO	DATE OCT 2020		SHEET 5 OF 11 SHTS.	
SCALE: AS NOTED					
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.					

\\ADSERVERS\csh_info\Drawings_Design\EWO\19009_Kona_Community_Hospital\Package 2 - Compactor Pad\19009-101.dwg S-101 22.0s (LWS Tech) 10/14/20 11:18 DS:32 ENG PS:1

1 FOUNDATION PLAN
S-101 SC: 3/8" = 1'-0"



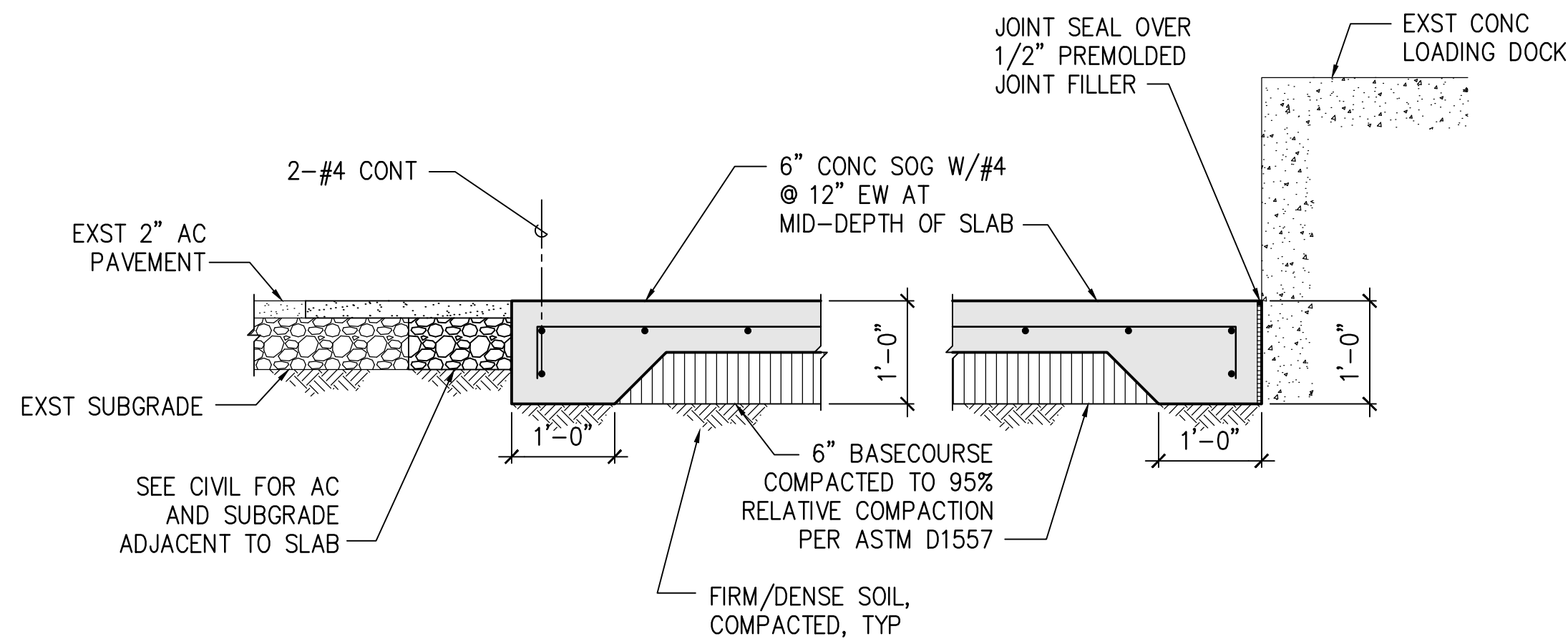
REVISION NO.	SYMBOL	DESCRIPTION	SHT. OF	DATE	APPROVED
1 S-101		FOUNDATION PLAN			
DESIGNED BY: CSH		CHECKED BY: EWO	JOB NO. 18-0054-1		DRAWING NO. S-101
DRAWN BY: AK		APPROVED BY: EWO	DATE OCT 2020		SHEET 6 OF 11 SHTS.
SCALE: AS NOTED					

ETIMAN W. OKUMA
LICENSED PROFESSIONAL ENGINEER
No. 7811-S
HAWAII, U.S.A.

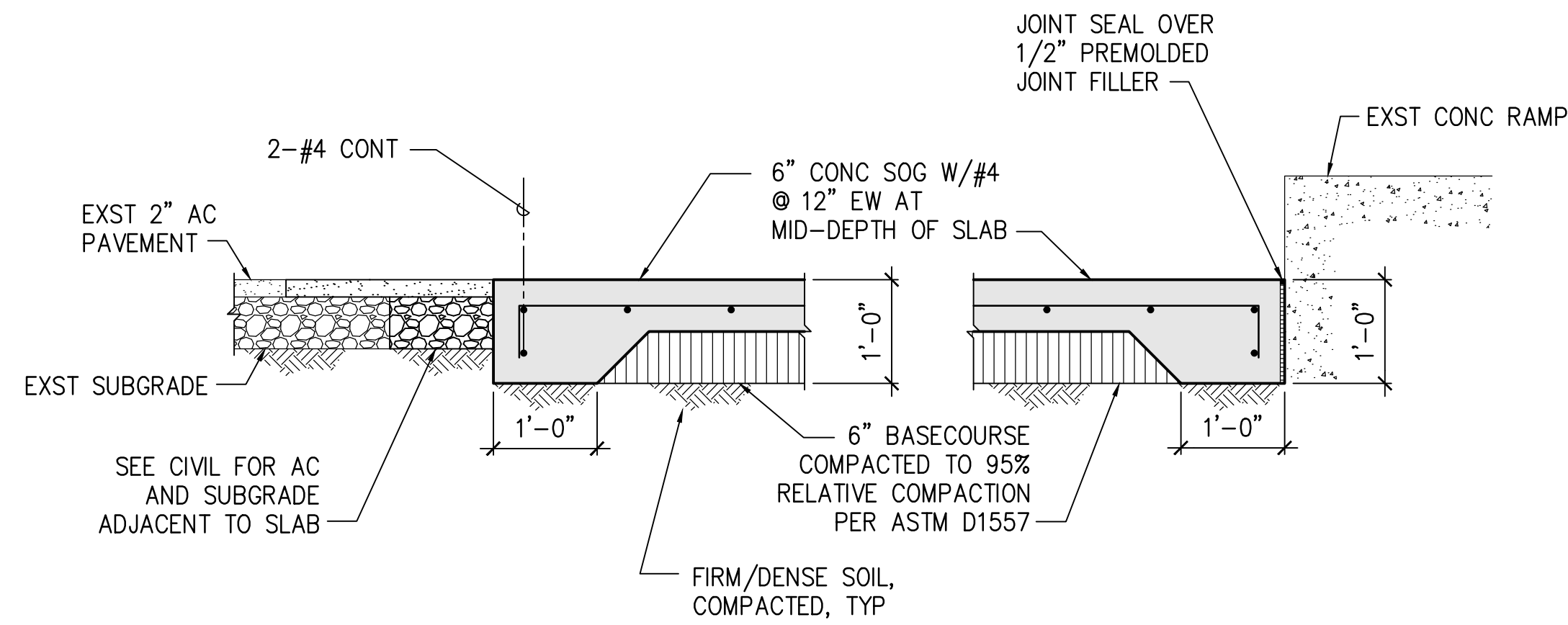
Etiman W. Okuma

SIGNATURE
LICENSE EXPIRATION DATE: 04/30/22
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

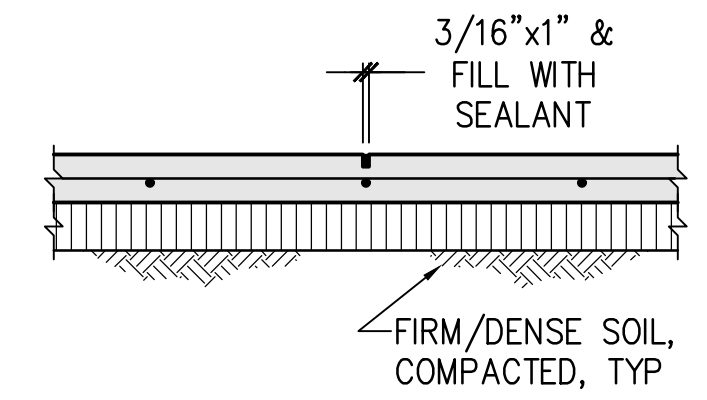
\\ADSERVERS\csh_info\Drawings_Design\EW\19009_Kona_Community_Hospital\Package 2 - Compactor Pad\19009-501.dwg S-501 22.0s (LMS Tech) 10/14/20 11:18 DS:16 ENG PS:1



1 SECTION
S-501 SC: 3/4" = 1'-0"



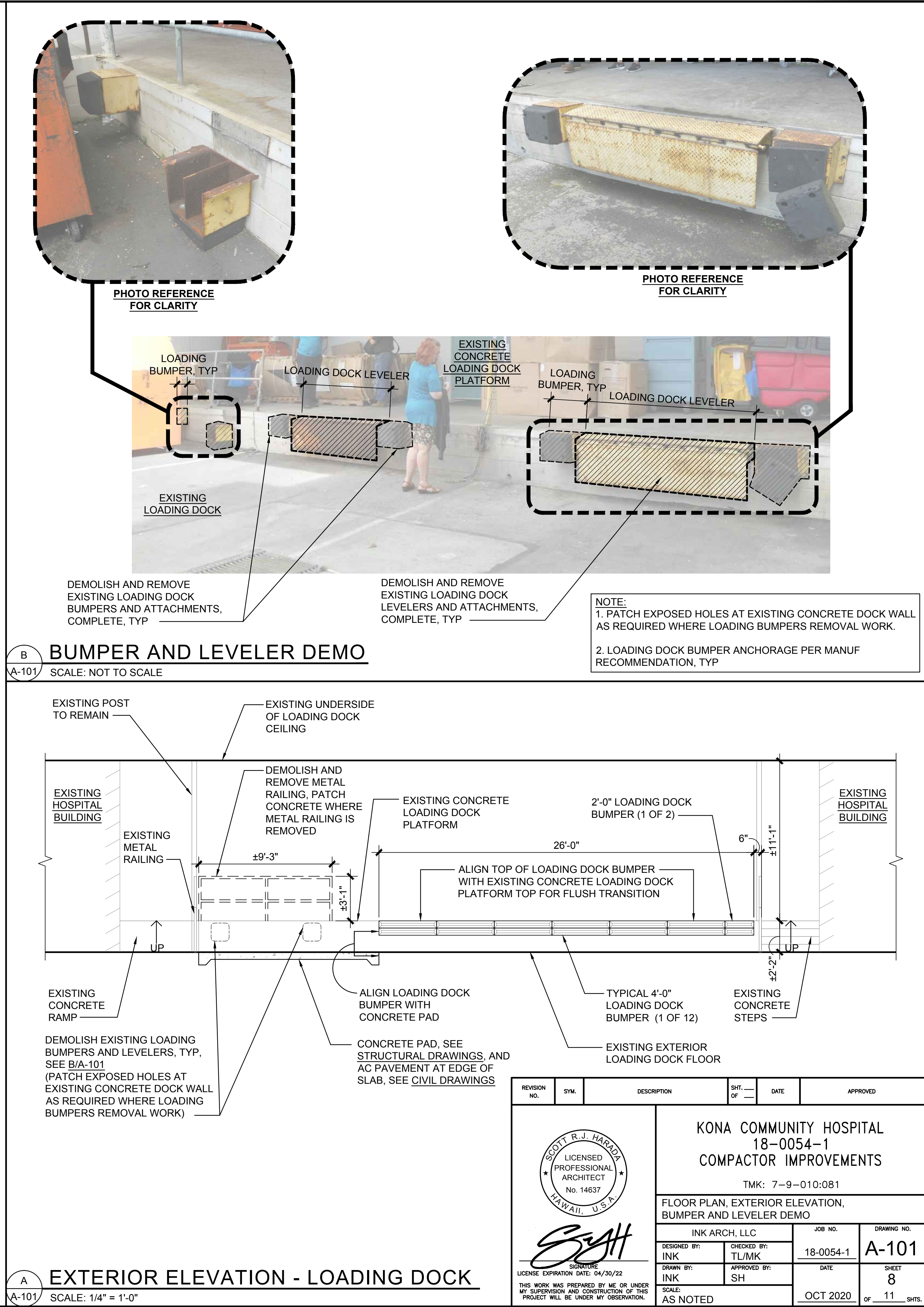
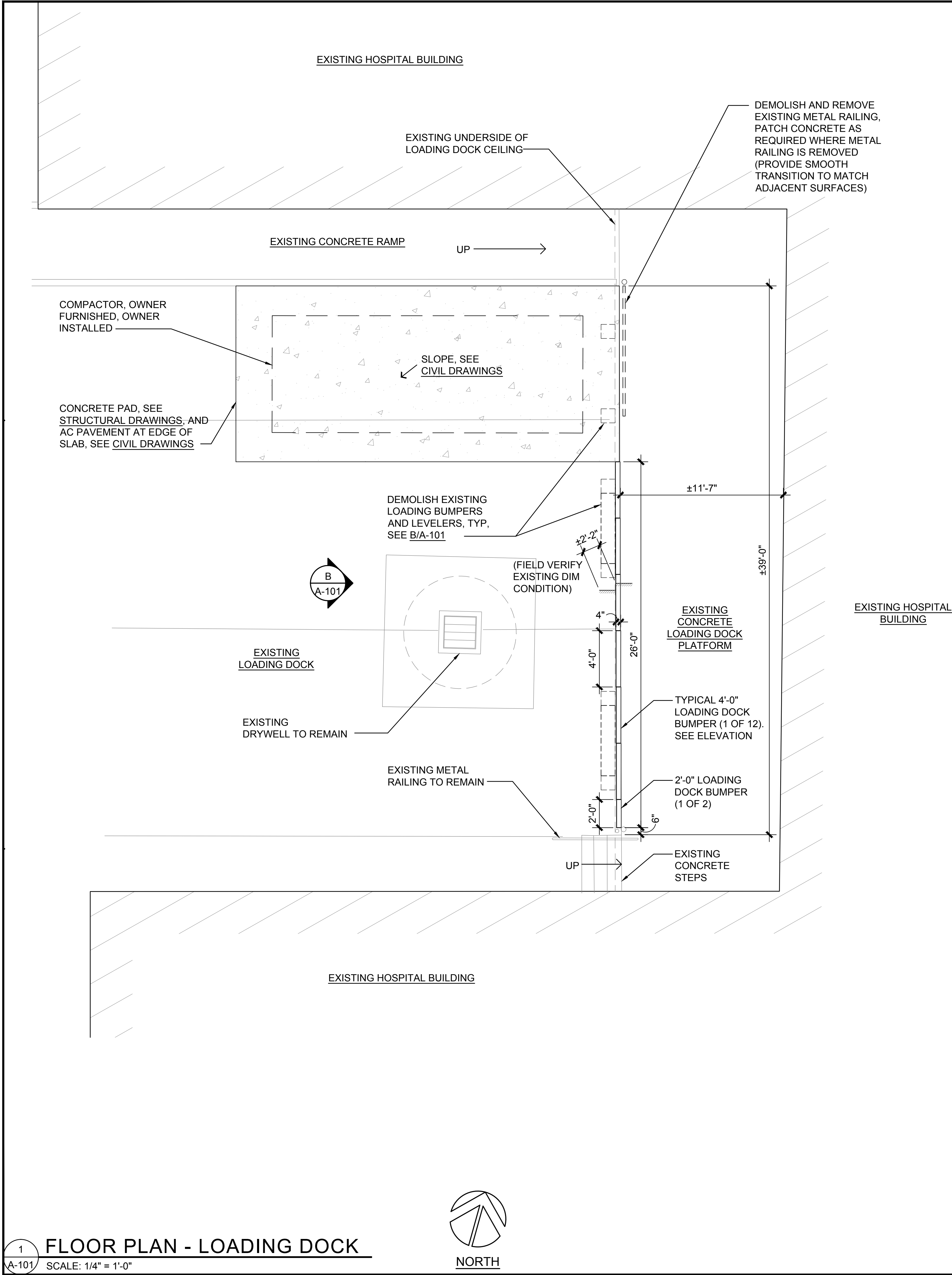
2 SECTION
S-501 SC: 3/4" = 1'-0"



5 TYPICAL CONTROL JOINT DETAIL
S002 SC: NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT. OF	DATE	APPROVED
<div><div><div><div><div></div><div>ETIHAN W. OKUMA</div></div><div><div></div><div>LICENSED PROFESSIONAL ENGINEER</div></div><div><div></div><div>No. 7811-S</div></div><div><div></div><div>HAWAII, U.S.A.</div></div></div><div><div><div><div><div></div><div>Signature</div></div><div><div></div><div>LICENSE EXPIRATION DATE: 04/30/22</div></div></div></div><div><div><div><div></div><div>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.</div></div></div></div></div></div></div>			KONA COMMUNITY HOSPITAL 18-0054-1 COMPACTOR IMPROVEMENTS TMK: 7-9-010:081		
			SECTIONS & DETAILS		
			INK ARCH, LLC		JOB NO.
DESIGNED BY: CSH		CHECKED BY: EWO	18-0054-1		
DRAWN BY: AK		APPROVED BY: EWO	DATE	SHEET	
SCALE: AS NOTED		OCT 2020		7 OF 11 SHTS.	

FILE:..... DRAWER:..... FOLDER:.....



ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
(R)	RELOCATE
(X)	DEMOLISH
A	AMPERES, AMBER
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
C	CONDUIT, CLOSE, CONTROL
CA	CABLE
CAT	CATEGORY
CLG	CEILING
COORD	COORDINATE
CU	COPPER
dB	DECIBEL
DIA	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
E	EMERGENCY
EA	EACH
EF	EXHAUST FAN
EL	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FMC	FLEXIBLE METAL CONDUIT
FT	FOOT, FEET
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HT	HEIGHT
ID	IDENTIFICATION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IG	ISOLATED GROUND
IN	INCH, INCHES
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LV	LOW VOLTAGE
MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCB	MAXIMUM OVERCURRENT PROTECTION
MT, MTD	MOUNT, MOUNTED

N.I.C.	NOT IN CONTRACT
N/A	NOT APPLICABLE
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRIC SAFETY CODE
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PH	PHASE
PNL	PANEL
PVC	POLY-VINYL-CHLORIDE
PWR	POWER
QTY	QUANTITY
REQD	REQUIRED
RFI	REQUEST FOR INFORMATION
RM	ROOM
RMC	RIGID METAL CONDUIT
SHT	SHEET
SPD	SURGE PROTECTION DEVICE
STD	STANDARD
SWBD	SWITCHBOARD
TBD	TO BE DETERMINED
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS, VOLTAGE
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
XFMR	TRANSFORMER

Connections / Equipment

	HEAVY DUTY FUSED DISCONNECT SWITCH
	CEILING MOUNTED JUNCTION BOX
	WALL-MOUNTED JUNCTION BOX
	MOTOR CONNECTION

General

	DEMOLISH
	EXISTING WORK
	NEW WORK
	DETAIL NUMBER AND SHEET LOCATION
	EQUIPMENT IDENTIFICATION
	KEYED NOTE

Miscellaneous

	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	CIRCUIT BREAKER
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED

Raceways

	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT

Switches and Receptacles

	DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER B = CLOCK HANGER C = FLUSH CEILING MOUNTED E = EMERGENCY F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER H = HOSPITAL GRADE K = CHILD RESISTANT COVER L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY R2 = FULLY SWITCHED BY OCCUPANCY SENSOR RELAY S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE U = USB PORT(S) W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
--	--

SHEET INDEX

E-001	ELECTRICAL SYMBOLS, SHEET INDEX
E-002	ELECTRICAL GENERAL NOTES
E-101	SITE PLAN - ELECTRICAL - PACKAGE 2

ENFORCED CODES

BUILDING CODE: 2012 IBC
ELECTRICAL CODE: 2008 NEC
FIRE CODE: 2012 NFPA 1: UNIFORM FIRE CODE
ENERGY CODE: 2015 INTERNATIONAL ENERGY CONSERVATION CODE

COUNTY OF HAWAII
2015 INTERNATIONAL ENERGY CONSERVATION CODE
AS AMENDED

To the best of my knowledge, this project's design substantially conforms to the International Energy Conservation Code (IECC 2015 as amended) for electrical and lighting systems (Section C405 and C408):

COMPLIANCE METHOD

- ☒ 2015 IECC as amended. Mandatory ☐ Prescriptive
☐ 2015 IECC as amended. Mandatory ☐ Total Building Performance
☐ ASHRAE Standard 90.1-2013. Mandatory ☐ Prescriptive
☐ ASHRAE Standard 90.1-2013. Mandatory ☐ Energy Cost Budget

INFORMATION IN CONSTRUCTION DOCUMENTS	Yes	N/A
Interior Lighting		
Occupant sensor controls. C405.2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Time switch controls. C405.2.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Daylight responsive controls. C405.2.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Daylight zones on plans. C405.2.3.2 <input type="checkbox"/> C405.2.3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Guest room controls. C405.2.4	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Interior lighting fixture schedule	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Input power for interior lighting fixtures. C405.4.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Interior lighting fixture locations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lighting control functional performance testing requirement. C408.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exterior Lighting		
Exterior lighting controls. C405.2.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exterior lighting fixture schedule	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Input power for exterior lighting fixtures	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Exterior lighting fixture locations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electrical		
Electrical transformer efficiency. C405.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tenant submetering. C405.10	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NOTES

EXISTING BUILDING WITH NO WORK TO BUILDING INTERIOR LIGHTING, EXTERIOR LIGHTING OR ELECTRICAL AS MENTIONED ABOVE.

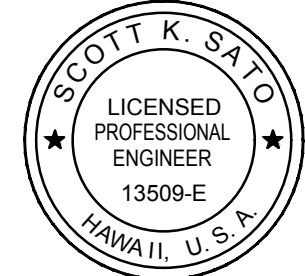
Signature: Scott K. SATO Date: 1/22/20
Name: SCOTT K. SATO
Title: ASSOCIATE PRINCIPAL
License No: 13509-E

GENERAL ELECTRICAL NOTES

- A. SCHEDULE WORK IN EXISTING BUILDINGS WITH THE OWNER. MINIMIZE DISRUPTION OF NORMAL OPERATIONS.
- B. VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE EXISTING CONDITIONS.
- C. REMOVE WIRING DEVICES, FIXTURES, COMPONENTS, ELECTRICAL EQUIPMENT AND BOXES IN REMODELED AREAS NOT REQUIRED TO REMAIN IN SERVICE WHEN THIS PROJECT IS COMPLETE.
1. REMOVE WIRE, CONDUITS AND BOXES FOR SUCH DEVICES BACK TO SOURCE, WHERE A CIRCUIT IS INTERRUPTED BY SUCH REMOVAL OF A DEVICE OR FIXTURE FROM THAT CIRCUIT, INSTALL WIRE AND CONDUIT AS REQUIRED TO RESTORE SERVICE TO THE REMAINING DEVICES AND FIXTURES ON THAT CIRCUIT.
2. WHERE THIS WORK WILL DISTURB AREAS NOT BEING RENOVATED, CONSULT WITH THE ARCHITECT BEFORE PERFORMING THE WORK.
3. LEAVE IN PLACE CONCEALED CONDUIT LOCATED IN PARTITIONS OR HARD CEILING NOT TO BE DEMOLISHED. REMOVE CONDUCTORS FROM SUCH CONDUITS. USE PERMANENT MARKER PENS TO LABEL SUCH CONDUITS AS "ABANDONED" AT EACH END, AND NOTE WHERE SUCH CONDUITS REEMERGE FROM THE CONCEALED AREA. CAP SUCH CONDUITS.
4. WHERE ELECTRICAL CIRCUITS, FEEDERS OR WIRING RUN THROUGH A SPACE TO BE DEMOLISHED, MAINTAIN THEM. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
5. WHERE ELECTRICAL CIRCUITS, FEEDERS OR WIRING RUNS SERVING OTHER AREAS ARE SERVED FROM THE SPACE TO BE DEMOLISHED, RECONNECT THEM TO OTHER SOURCES AS REQUIRED TO MAINTAIN SERVICE TO THE EXISTING DEVICES.
- D. WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN IN SERVICE, OR TO BE RELOCATED AND/OR REUSED, REFURBISH THEM. THOROUGHLY CLEAN SUCH ITEMS AND NOTIFY ARCHITECT OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY EXISTING DAMAGE AND DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
- E. BEFORE DEMOLITION, OFFER REMOVED LUMINAIRES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE OWNER IF THE OWNER CHOOSES TO RETAIN THESE ITEMS. CAREFULLY REMOVE AND RETURN SUCH ITEMS TO THE OWNER. REMOVE AND DISPOSE OF ITEMS REJECTED BY THE OWNER FROM THE PROJECT SITE AND IN A LEGAL MANNER.
- F. DO NOT INSTALL ELECTRICAL BOXES IN ACOUSTIC RATED WALLS CLOSER THAN 2'-0" TO EACH OTHER. PROVIDE PUTTY PADS ON EACH BOX INSTALLED.
- G. PLANS DO NOT GENERALLY INDICATE WIRE COUNTS. FOR EACH 20 AMP, 120 VOLT OR 277 VOLT CIRCUIT, PROVIDE (1) #12 PHASE CONDUCTOR, (1) #12 NEUTRAL CONDUCTOR AND (1) #12 GROUNDING CONDUCTOR. WHERE MULTIPLE CIRCUITS ARE SHOWN, UP TO THREE SEPARATE AND DIFFERENTLY PHASED CIRCUITS (A, B AND C) SHARE A SINGLE NEUTRAL CONDUCTOR AND A SINGLE GROUNDING CONDUCTOR. WHERE DRAWINGS INDICATE WIRE SIZES/COUNTS, PROVIDE SUCH CIRCUIT, NEUTRAL AND GROUNDING CONDUCTORS FOR THE PORTION OF THE CIRCUIT WHERE SUCH CONDUCTORS SHARE A COMMON CONDUIT. GROUND WIRE INSULATION: GREEN. ALL WORK COMPLY WITH NEC 300.17.
- H. ALL CONDUCTORS AND EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) MUST BE LISTED, LABELED OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. NEC 110.2.
- I. IN ALL CASES AND FOR ALL SYSTEMS AND COMPONENTS, USE ONLY EQUIPMENT IN ACCORDANCE WITH ITS LISTING OR LABELING. NEC 110.3(B).
- J. USE ONLY EQUIPMENT MARKED (LISTED/LABELED) AS SUITABLE FOR INSTALLATION AND WITH HIGHER TEMPERATURE RATED CONDUCTORS AT THE AMPACITY OF THE HIGHER RATED CONDUCTORS. REFER TO THE UL ELECTRICAL CONSTRUCTION MATERIAL DIRECTORY FOR CIRCUIT BREAKERS, SWITCHES, PANELBOARDS, SWITCHBOARDS, ETC. NEC 110.14(C).
- K. PROVIDE SUFFICIENT ACCESS AND WORKING CLEARANCE ABOUT THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.26(A).
- L. PROVIDE ACCESS AND ENTRANCES TO AND EGRESS FROM WORKING SPACE ABOUT ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.26(C).
- M. PROVIDE TASK ILLUMINATION FOR THE WORK SPACE ABOUT THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC 110.26(D).
- N. RECEPTACLES INSTALLED ON 15 AMP AND 20 AMP BRANCH CIRCUITS SHALL BE OF THE GROUNDING TYPE. GROUNDING-TYPE RECEPTACLES SHALL BE INSTALLED ONLY ON CIRCUITS OF THE VOLTAGE CLASS AND CURRENT FOR WHICH THEY ARE RATED. NEC 406.3(A).
- O. INSTALL ONLY RECEPTACLE OUTLETS WITH GROUND-FAULT CIRCUIT INTERRUPTER PROTECTION IN LOCATIONS SPECIFIED AS BATHROOMS, COMMERCIAL AND INSTITUTIONAL KITCHENS, ROOFTOPS AND OUTDOOR PUBLIC SPACES. SEE EXCEPTIONS. NEC 210.8(B).
- P. PROVIDE OUTLET DEVICE(S) INSTALLED ON A BRANCH CIRCUIT WITH A RATING IN ACCORDANCE WITH NEC 210.21(B) (SEE EXCEPTIONS, AND REFER TO 210.21(B) TABLE(S)).
- Q. PROVIDE GROUNDING FOR SEPARATELY DERIVED SYSTEMS IN ACCORDANCE WITH NEC 250.20(A), 250.20(B), 250.20(D) AND 250.30 (SEE EXCEPTIONS).
- R. PROVIDE GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 250.24, 250.30 AND 250.50 (SEE EXCEPTIONS).
- S. FOR PVC CONDUIT, PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR RUN WITH THE FEEDER CONDUCTORS AND SIZE PER NEC TABLE 250.122.
- T. PROVIDE A BOX OR TERMINAL FITTING HAVING A SEPARATELY BUSHED HOLE FOR EACH CONDUCTOR WHEREVER A CHANGE IS MADE FROM SURFACE RACEWAY WIRING TO OPEN WIRING OR KNOB-AND-TUBE WIRING. NEC 300.16.
- U. OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT-RATED WALLS, PARTITIONS, FLOORS, OR CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING. FIRE STOP MATERIAL SHALL BE TESTED AND ASSEMBLY-APPROVED BY THE OSHPD FIRE MARSHAL. NEC 300.21.
- V. FLAT CONDUCTOR CABLE (FCC) SHALL NOT BE USED IN HOSPITAL BUILDINGS. NEC 324.12.
- W. ALL SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, AND MOTOR CONTROL CENTERS SHALL BE LOCATED IN DEDICATED SPACES AND PROTECTED FROM DAMAGE. SEE EXCEPTIONS. NEC 110.26(F).

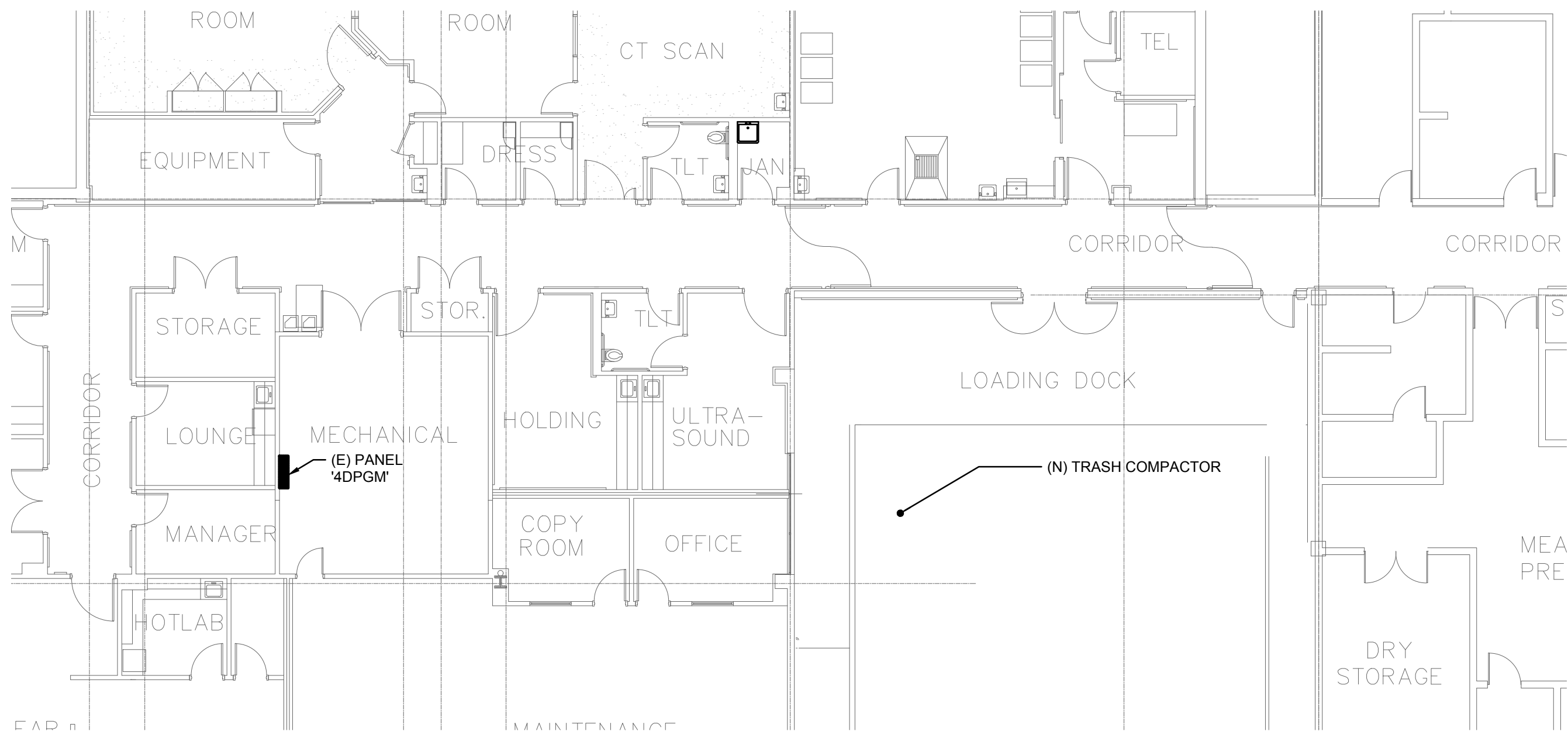
- X. WALL SPACES IN PATIENT CARE ROOMS SHALL NOT BE USED FOR THE INSTALLATION OF SWITCHBOARDS AND PANELBOARDS, UNLESS DEDICATED FOR THAT ROOM. NEC 517.12(A).
- Y. FOR PERMANENTLY CONNECTED APPLIANCES RATED OVER 300 VOLTAMPERES OR 1/8 HORSEPOWER, THE BRANCH-CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE APPLIANCE OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION. NEC 422.31(B).
- Z. THE DISCONNECTING MEANS SHALL BE LOCATED IN SIGHT FROM THE CONTROLLER LOCATION. NEC 430.102(A).
- AA. PROVIDE OVERCURRENT PROTECTION FOR THE GENERATOR IN ACCORDANCE WITH NEC 445.12.
- AB. PROVIDE INSULATED COPPER GROUNDING CONDUCTOR FOR RECEPTACLES AND FIXED ELECTRIC EQUIPMENT IN PATIENT CARE AREAS IN ACCORDANCE WITH NEC 517.13(B) (SEE EXCEPTIONS, AND REFER TO 250.122 TABLE(S)).
- AC. FLEXIBLE METAL CONDUIT (FMC) IS ONLY PERMITTED FOR USE IN PATIENT CARE AREAS IF THE FOLLOWING CONDITIONS ARE MET:
1. THE TOTAL LENGTH IN ANY GROUND RETURN PATH DOES NOT EXCEED 6 FEET.
2. THE CONDUIT IS TERMINATED IN FITTINGS APPROVED FOR GROUNDING.
3. CIRCUIT CONDUCTORS CONTAINED IN CONDUIT ARE PROTECTED BY OVERCURRENT DEVICES RATED AT 20 AMPS OR LESS.
4. EQUIPMENT GROUNDING CONDUCTOR IS INSTALLED AT LOCATION USED TO CONNECT EQUIPMENT AND WHERE FLEXIBILITY IS NECESSARY AFTER INSTALLATION.
5. FMC IS PERMITTED IN ACCORDANCE WITH NEC 348.12. NEC 250.118.
- AD. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL BE PROVIDED WITH AN EFFECTIVE GROUND-FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM, OR A CABLE HAVING METALLIC ARMOR OR SHEATH ASSEMBLY. THE METAL RACEWAY SYSTEM, OR METALLIC CABLE ARMOR, OR SHEATH ASSEMBLY SHALL ITSELF QUALIFY AS AN EQUIPMENT GROUNDING CONDUCTOR IN ACCORDANCE WITH NEC 250.118. NEC 517.13(A).
- AE. BOND TOGETHER EQUIPMENT GROUNDING TERMINAL BUSES OF NORMAL AND ESSENTIAL BRANCH-CIRCUIT PANELBOARDS SERVING THE SAME INDIVIDUAL PATIENT CARE VICINITY IN ACCORDANCE WITH NEC 517.14.
- AF. GROUND AND IDENTIFY "ISOLATED GROUND" RECEPTACLES IN PATIENT CARE AREAS WITH AN ISOLATED GROUND CONDUCTOR AND EQUIPMENT GROUND CONDUCTOR IN ACCORDANCE WITH NEC 517.16 AND NEC 250.146(D). PROVIDE AN ORANGE COLOR OR ORANGE TRIANGLE ON THE FACE OF THE RECEPTACLE AND A PERMANENT MOUNTED SIGN THAT READS "CAUTION - NOT FOR PATIENT EQUIPMENT USE" AT EACH RECEPTACLE. OSHPD CODE APPLICATION NOTICE (CAN) 3-517.16.
- AG. LAMPS IN FIXTURES SHALL BE PROTECTED AGAINST ACCIDENTAL BREAKAGE BY MEANS OF AN ENCLOSING LENS OR DIFFUSER. NEC 517.22(C) (SEE EXCEPTIONS).
- AH. KEEP THE LIFE SAFETY AND CRITICAL BRANCH OF THE EMERGENCY SYSTEM WIRING INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT. BRANCHES SHALL NOT ENTER THE SAME RACEWAYS, BOXES, OR CABINETS WITH EACH OTHER OR OTHER WIRING. NEC 517.30(C)(1).
- AI. MECHANICALLY PROTECT THE WIRING OF THE EMERGENCY SYSTEM IN HOSPITALS IN ACCORDANCE WITH NEC 517.13(A), NEC 517.13(B) AND 517.30(C)(3) (SEE EXCEPTIONS).
- AJ. WHERE ENCASED IS NOT LESS THAN 2 INCHES OF CONCRETE, SCHEDULE 40 PVC CONDUIT, FLEXIBLE NONMETALLIC OR JACKETED METALLIC RACEWAYS, OR JACKETED METALLIC CABLE ASSEMBLIES LISTED FOR INSTALLATION IN CONCRETE. NONMETALLIC RACEWAYS SHALL NOT BE USED FOR BRANCH CIRCUITS THAT SUPPLY PATIENT CARE AREAS. NEC 517.30(C)(3)(2).
- AK. CONNECT ONLY THOSE LOADS LISTED IN NEC 517.32 TO THE LIFE SAFETY BRANCH.
- AL. AN APPROVED DISCONNECTING MEANS SHALL BE PROVIDED TO DISCONNECT POWER TO ALL ELECTRONIC EQUIPMENT IN THE INFORMATION TECHNOLOGY EQUIPMENT ROOM OR IN DESIGNATED ZONES WITHIN THE ROOM. A SIMILAR APPROVED MEANS SHALL BE PROVIDED TO ALL DEDICATED HVAC SYSTEMS SERVING THE ROOM OR DESIGNATED ZONES AND SHALL CAUSE ALL REQUIRED FIRE/SMOKE DAMPERS TO CLOSE. THE CONTROL FOR THE DISCONNECTING MEANS SHALL BE GROUPED, IDENTIFIED AND READILY ACCESSIBLE AT THE PRINCIPAL EXIST DOORS. A SINGLE MEANS TO CONTROL BOTH THE ELECTRONIC EQUIPMENT AND HVAC SYSTEMS IN THE ROOM OR IN A ZONE SHALL BE PERMITTED. WHERE A PUSHBUTTON IS USED AS A MEANS TO DISCONNECT POWER, PUSHING THE BUTTON IN SHALL DISCONNECT THE POWER. WHERE MULTIPLE ZONES ARE CREATED, EACH ZONE SHALL HAVE AN APPROVED MEANS TO CONFINE FIRE OR PRODUCTS OF COMBUSTION TO WITHIN THE ZONE. SEE EXCEPTIONS. NEC 645.10.
- AM. THE VOLTAGE AT THE CONTROLLER LINE TERMINALS SHALL NOT DROP MORE THAN 15% BELOW NORMAL (CONTROLLER-RATED VOLTAGE) UNDER MOTOR STARTING CONDITIONS. NFPA 70, 6.3.1.4 AND NEC 695.7.
- AN. PERMANENTLY MARK ALL BOXES AND ENCLOSURES FOR EMERGENCY CIRCUITS SO THEY WILL BE READILY IDENTIFIED AS A COMPONENT OF AN EMERGENCY CIRCUIT OR SYSTEM. LABEL ELECTRICAL DEVICES AS SPECIFIED ELSEWHERE. LABEL PULLBOX COVERS WITH CIRCUIT NUMBERS. ALL WIRING DEVICES, DEVICE PLATES, JUNCTION BOXES AND OUTLET BOXES ON EMERGENCY POWER SHALL BE IDENTIFIED PERMANENTLY WITH RED COLORED PLATES AND/OR COLORED DEVICES. ALL DUPLEX RECEPTACLES SHALL BE HOSPITAL GRADE. NEC 700.9.
- AO. ELECTRICAL DRIVEN FIRE PUMPS, TRANSFER SWITCHES AND CONTROLLER SHALL BE DESIGNED IN ACCORDANCE WITH THE NFPA 72. CBC 904.3.5.
- AP. ONLY NECESSARY PENETRATIONS ARE ALLOWED IN STAIRWAYS. CBC 1005.3.3.5.
- AQ. THE GOVERNING ELECTRICAL CODE IS THE 2008 NEC, ALSO KNOWN AS THE NATIONAL ELECTRICAL CODE.
- AR. SEE OTHER NOTES AND REQUIREMENTS ON ALL DRAWINGS.
- AS. SUPPORT CONDUITS USING OSHPD PRE-APPROVED SYSTEM BY B-LINE SEISMIC RESTRAINTS (OPA-0114). IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF OSHPD PRE-APPROVALS FROM THE OWNERS OF THE PRE-APPROVALS, AND FURNISH TO THE IOR WITH ONE COPY OF EACH.
- AT. PROVIDE SUITABLE ANCHORAGE AND SUPPORT FOR ELECTRICAL EQUIPMENT IN RATED WALLS, SLABS AND CEILINGS. MOUNT DEVICES AND RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND SPECIFICATIONS.
- AA. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- BA. DRAWINGS AND SPECIFICATIONS COMPLIMENT EACH OTHER. REQUIREMENT BY EITHER INFERS REQUIREMENT BY BOTH.
- BB. CONNECT EQUIPMENT AND DEVICES FURNISHED UNDER OTHER DIVISIONS OF THIS CONTRACT, BY OWNER OR BY OTHER CONTRACTS.
- BC. UNLESS OTHERWISE NOTED, PROVIDE CONCEALED AND FLUSH MOUNTED INSTALLATION OF DEVICES AND EQUIPMENT IN AREAS.
- BD. PROVIDE SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN 120 VOLT, MULTI-WIRE CIRCUITS.
- BE. FOR 120 VOLT, 20 AMP CIRCUITS, WHERE CIRCUIT DISTANCE FROM PANELBOARD TO FARTHEST DEVICE/FIXTURE EXCEEDS 75 FEET, PROVIDE #10 SIZE CONDUCTOR.
- BF. RUN ELECTRICAL CONDUIT CONCEALED AND PARALLEL TO BUILDING LINES. VERIFY WITH ARCHITECT.
- BG. RECEPTACLE OUTLETS SHALL COMPLY WITH NEC SECTION 210.7.
- BH. LIGHTS, SWITCHES AND CONTROL MECHANISMS SHALL COMPLY WITH NEC SECTION 404.
- BI. BRACE ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE THAT ACT IN ANY DIRECTION. COMPLY WITH TITLE 24 REQUIREMENTS.
- BJ. INSTALL COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEM THROUGHOUT BUILDING FOR FEEDERS, BRANCH CIRCUITS, ETC.
- BK. ANCHORAGE AND SUPPORTS OF ALL EQUIPMENT TO BE INSTALLED, AS A PART OF THIS PROJECT SHALL BE DETAILED ON CONSTRUCTION DOCUMENTS, EXCEPT THOSE EXEMPT BY 2010 CBC SECTION 1615A.1.12.
- BL. EQUIPMENT SUPPORTS AND ANCHORAGE SHALL BE APPROVED BY THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD AND OSHPD AS A PART OF FIELD REVIEWS/OBSERVATIONS. THE INSPECTOR OF RECORD SHALL ASSURE THAT THE ABOVE REQUIREMENTS ARE ENFORCED.
- BM. SEISMIC BRACING POINTS SHALL BE SUBMITTED ON CONTRACTOR'S COORDINATED SHOP DRAWINGS.
- BN. A COPY OF THE SELECTED BRACING SYSTEM(S) INSTALLATION GUIDE/MANUAL SHALL BE PRESENT ON THE JOBSITE PRIOR TO STARTING THE INSTALLATION OF THE COMPONENT. EQUIPMENT HANGERS AND/OR BRACES. SUBMIT APPLICABLE DETAILS FOR REVIEW AND APPROVAL.
- BO. ALL PRE-APPROVED MUST BE SATISFIED. IF DEVIATED FROM OSHPD PRE-APPROVAL SCOPE, THE PRE-APPROVAL STATUS BECOMES INVALID FOR APPLICATION. DSE/IOB MAY CHOOSE TO COMMENT OR ACCEPT THE MODIFIED PORTIONS, AND OSHPD REVIEW MAY ALSO BE INITIATED FROM OSHPD FIELD PERSONNEL.
- BP. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND OSHPD FIELD STAFF. THE LAYOUT DRAWINGS, PREPARED PER SECTION 13.6, ASCE 7-05 AS AMENDED BY SECTION 1615A.1.20, 1615A.1.21, 1615A.1.22 AND 2010 CBC, NEED TO BE REVIEWED AND ACCEPTED BY THE AOR AND EOR (SE AND/OR ME/EE) PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.

REVISION NO.	SYL	DESCRIPTION	SHEET OF	DATE	APPROVED
		<div>KONA COMMUNITY HOSPITAL 18-0054-1 COMPACTOR IMPROVEMENTS TMK: 7-9-010:081</div>			
GENERAL ELECTRICAL NOTES					
INK ARCH, LLC			JOB NO.	DRAWING NO.	
DESIGNED BY: EG	CHECKED BY: SS	18-0054-1		E-002	
DRAWN BY: EG	APPROVED BY: SS	DATE OCT 2020		SHEET 10 OF 11 SHEETS	
AS NOTED					
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND COMPLETION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.					

 **INTERFACE**
ENGINEERING

PROJECT 2019-0582
CONTACT Erika Gleason
1132 Bishop Street, Suite 1930
Honolulu, HI 96813
TEL 808.445.9169
www.interfaceengineering.com



2 FLOOR PLAN - ELECTRICAL
NO SCALE

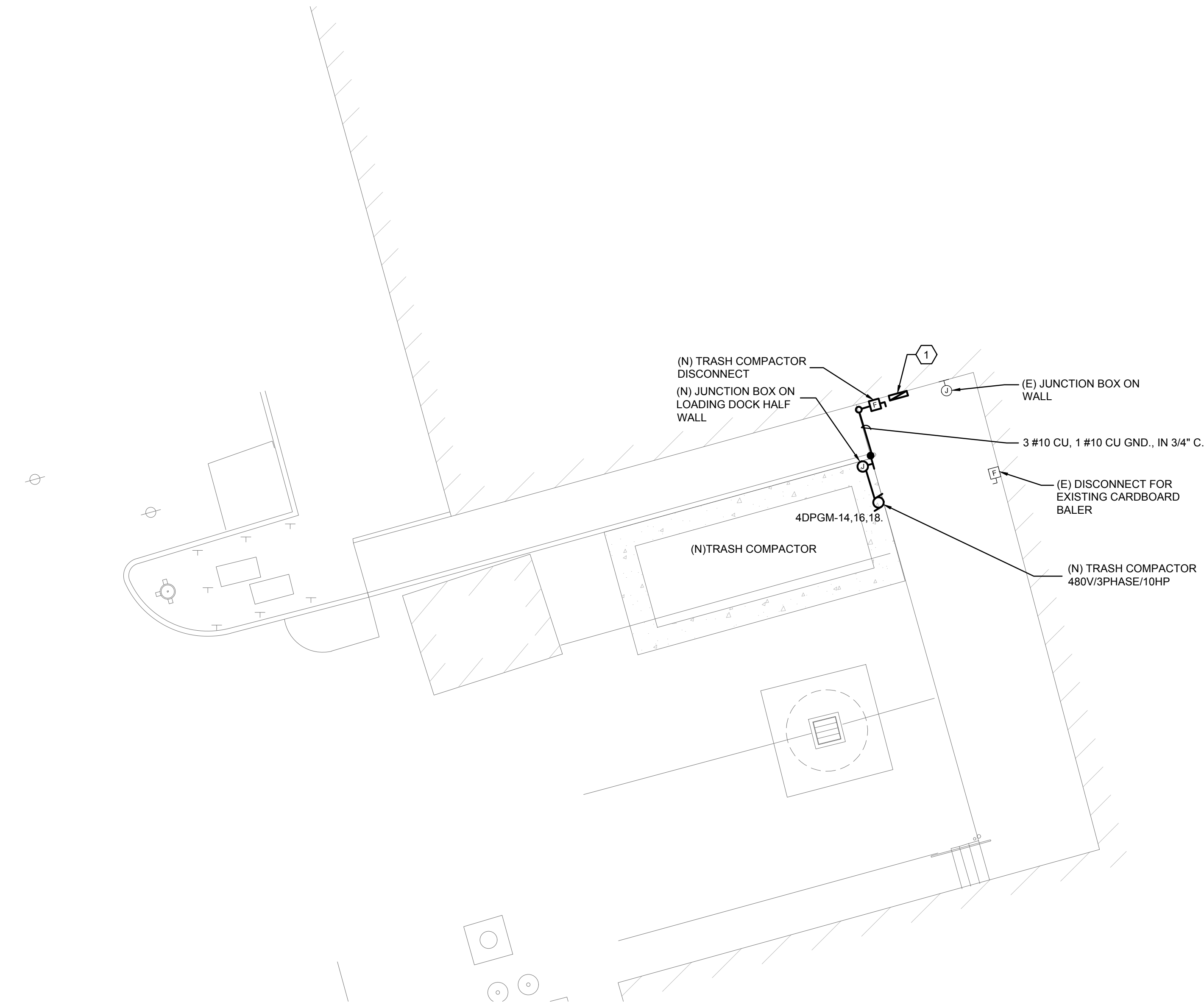
(E) PANEL '4DPGM'													277/480V, 3 Ph., 4 W.; 400A Bus with 400A Main Circuit Breaker Surface Mounted Panelboard with an Minimum Fault Current Rating of 65000A RMS													2019-0582																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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GENERAL SHEET NOTES

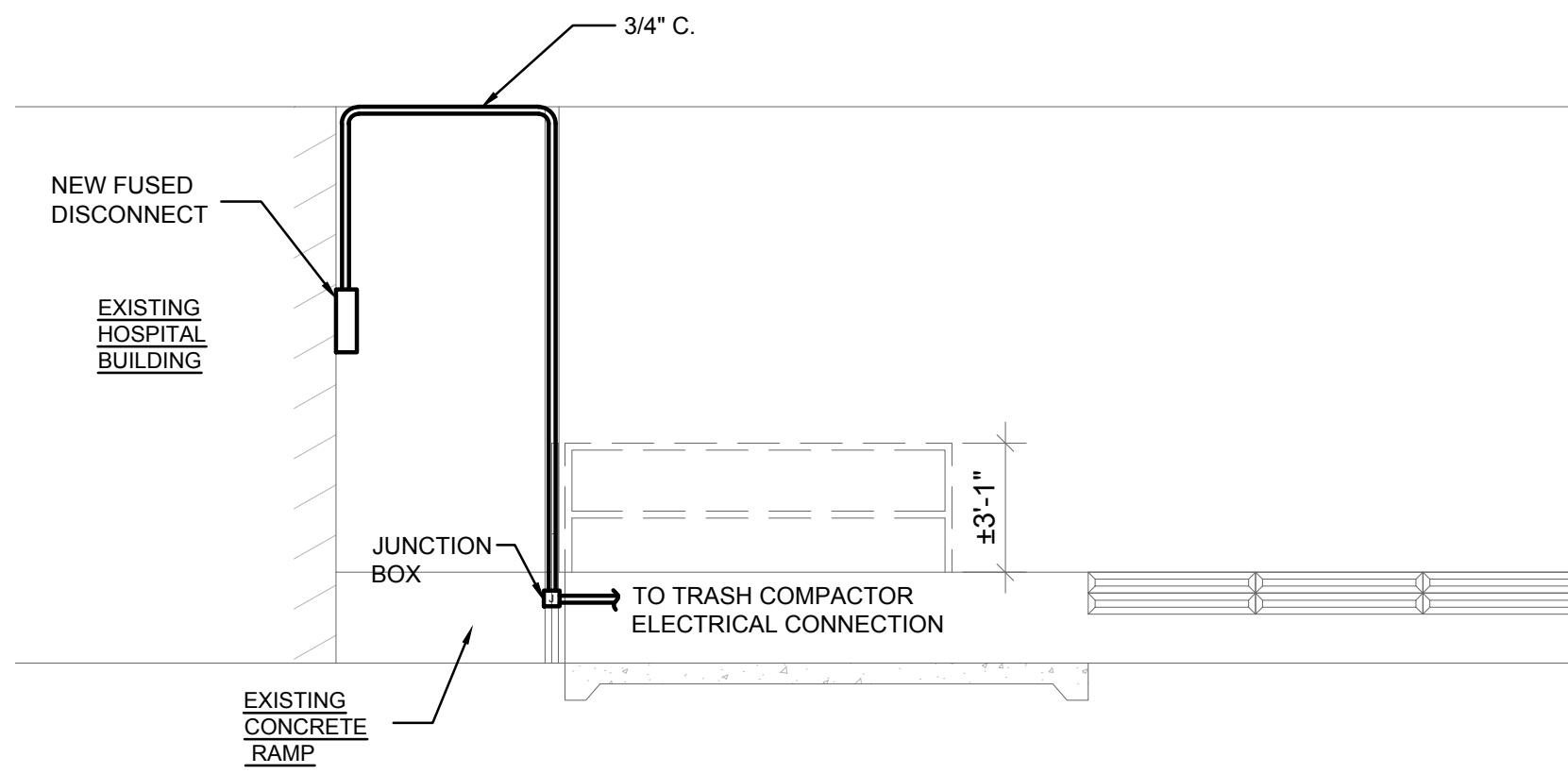
- COORDINATE EXACT POWER REQUIREMENTS WITH TRASH COMPACTOR MANUFACTURER: CRAM-A-LOT #SC-T2-30. PROVIDE ALL WIRING NECESSARY BETWEEN DISCONNECT AND MOTOR CONTROL PANEL FOR A COMPLETE AND OPERATIONAL SYSTEM.
- COORDINATE EXACT MOTOR CONTROL PANEL AND DISCONNECT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

SHEET KEYNOTES

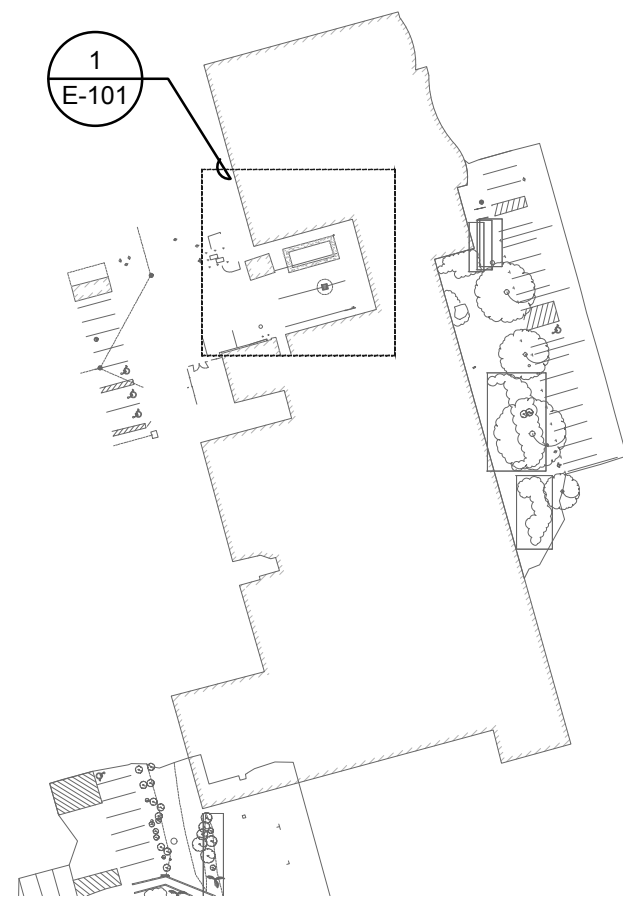
- NEW TRASH COMPACTOR CONTROL PANEL PROVIDED BY MANUFACTURER: CRAM-A-LOT. CONTROL PANEL IS TO BE FED FROM MAIN TRASH COMPACTOR POWER. COORDINATE EXACT POWER REQUIREMENTS WITH CRAM-A-LOT.
- PRIOR TO ORDERING APPARATUS OR STARTING WORK, PROVIDE TEMPORARY LOAD MONITORING OF PANEL TO VERIFY ADDITIONAL LOAD DOES NOT EXCEED PANEL BREAKER AMPACITY. MONITOR LOAD FOR 30 DAYS, MAXIMUM OF 15 MINUTES INTERVAL. PROVIDE DATA SPREADSHEET TO ENGINEER OR RECORD. NEW LOAD IS ONLY SHOWN ON THIS PANEL SCHEDULE.



1 SITE PLAN - ELECTRICAL - LOADING DOCK
SCALE: 1/8"=1'-0"



3 ELEVATION - ELECTRICAL
NO SCALE



KEYPLAN
NO SCALE

REVISION NO.	SYL	DESCRIPTION	REV. OF	DATE	APPROVED
<div><div></div><div>KONA COMMUNITY HOSPITAL 18-0054-1 COMPACTOR IMPROVEMENTS TMK: 7-9-010:081 SITE PLAN - ELECTRICAL - PACKAGE 2</div></div>					
INK ARCH, LLC			JOB NO.	DRAWING NO.	
DESIGNED BY: EG	CHECKED BY: SS	18-0054-1		E-101	
DRAWN BY: EG	APPROVED BY: SS	DATE OCT 2020		SHEET 11 OF 11 SHEETS	
SCALE: AS NOTED					

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SIGNATURE
DATE: 04/30/22
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND COMPLETION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

FILE: 18-0054-1-011.DWG DRAWN: ERIKO GLEASON FOLDER: 18-0054-1