STATE OF HAWAII HAWAII HEALTH SYSTEMS CORPORATION KONA COMMUNITY HOSPITAL NEW CLINICAL LAB & **MISCELLANEOUS ALTERATIONS** KEALAKEKUA, HAWAII TMK: 7-9-010: 081

GENERAL NOTES

- 1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
- 2. COMPLY WITH ALL APPLICABLE COUNTY OF HAWAII, STATE, AND FEDERAL LAWS, BUILDING CODES, THEIR ADDITIONS, ADDENDUMS, AND AMENDMENTS IN THE CONSTRUCTION OF THIS PROJECT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE 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.
- 4. WORKMANSHIP SHALL CONFORM TO THE STATE BUILDING CODE. HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING WITH OTHER STANDARDS, THE MORE STRINGENT SHALL APPLY.
- VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE AWARE OF ALL EXISTING CONDITIONS INVOLVED IN THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN THE EXISTING DRAWINGS AND CONDITIONS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, ELEVATIONS, AND CLEARANCES.
- 6. CAUTION SHALL BE EXERCISED SO THAT NO EXISTING AREAS TO REMAIN ARE DAMAGED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY/ALL CORRECTIVE WORK REQUIRED TO RESTORE DAMAGE TO THE SITE, EXISTING STRUCTURE, AND/OR EXISTING SURFACES. DAMAGED SURFACES SHALL BE CORRECTED TO MATCH EXISTING ADJACENT SURFACES.
- 7. THE CONTRACTOR SHALL RESTORE TO THE ORIGINAL OR BETTER CONDITION ALL IMPROVEMENTS AND VEGETATION DAMAGED AS A RESULT OF THE CONSTRUCTION INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL, DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL.
- 8. NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL, OR DEBRIS IN ANY FORM TO FALL, SLIDE, OR FLOW ONTO ADJOINING PROPERTIES, STREETS, OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE COSTS INCURRED FOR ANY REMEDIAL ACTION SHALL BE PAYABLE BY THE CONTRACTOR.
- 9. THE UNDERGROUND PIPES, CABLES, OR DUCTLINES KNOWN TO EXIST BY THE ARCHITECT FROM SEARCH OF RECORDS ARE INDICATED ON PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING THE AREA. ALL DAMAGED PORTIONS SHALL BE REPLACED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AFFECTED UTILITY COMPANY AND SHALL BE THE CONTRACTORS RESPONSIBILITY. PERSONAL INJURY RESULTING FROM CONTACT WITH EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. WHEREVER CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR NEW LINES.
- 10. ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION AND ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
- 11. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE UTILITY AGENCIES.
- 12. ALL REQUIRED UTILITY ADJUSTMENTS SUCH AS MANHOLE AND/OR VALVE BOX FRAMES AND COVERS SHALL BE DONE BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK.
- 13. EXCEPT WHERE OTHERWISE DIRECTED BY THE OWNER, ALL DISPLACED MATERIALS HAVING SALVAGE VALUE SHALL BE CAREFULLY AND NEATLY STACKED OR STORED ON THE PREMISES WHERE DIRECTED BY THE OWNER AND SHALL REMAIN THE PROPERTY OF THE OWNER. ALL DISMANTLED AND DEMOLISHED MATERIALS HAVING NO SALVAGE VALUE AS DETERMINED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED AND HAULED AWAY FROM THE PREMISES.
- 14. THE FACILITY SHALL REMAIN OPEN DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY TEMPORARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES FOR THE PROTECTION OF LIFE AND SAFETY. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE, AND SAFETY OF THE PUBLIC THROUGHOUT THE CONSTRUCTION PERIOD.

- LONGER REQUIRED
- CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS.
- RUBBISH AND DEBRIS.
- THE OWNER.
- SECTION 201.3 AND 206.1.
- SCHEDULE.
- 24. NO BLASTING SHALL BE ALLOWED ON THIS PROJECT. 25. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM APPROPRIATE
- GOVERNMENT AGENCIES.
- INFRASTRUCTURE.
- ASSESSMENT (ICRA) REQUIREMENTS FOR MORE INFORMATION.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE JOB SITE IN A NEAT AND SAFE WORK SHALL BE PERFORMED WITHIN LIMITS OF WORK AREAS COORDINATED. WITH THE ARCHITECT. DELIVERY OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED TO MINIMIZE DISRUPTION OF FACILITY OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR EBRIS AND DUST TO PREVENT DISRUPTION OF FACILITY OPERATIONS. PROVIDE AND MAINTAIN SUITABLE BARRIERS AS REQUIRED TO PREVENT PUBLIC ENTRY, AND TO PROTECT THE WORK AND ADJACENT BUILDINGS, AREAS, AND PROPERTIES FROM CONSTRUCTION ACTIVITIES. BARRIERS SHALL BE REMOVED WHEN NO

THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY

17. THE JOB SITE MUST BE LEFT IN A SAFE, SECURE CONDITION AT THE END OF EACH CONSTRUCTION WORK DAY. CLEAN UP AND REMOVE FROM THE JOB SITE ALL RUBBISH AND MAINTAIN THE PREMISES IN A CLEAN, ORDERLY CONDITION AT ALL TIMES.

18. UPON COMPLETION OF CONSTRUCTION THE ENTIRE JOB SITE SHALL BE CLEANED OF ALL

20 AREAS FOR CONTRACT ZONE LIMITS, MATERIALS STORAGE, SCHEDULING OF WORK, TRASH DISPOSAL, WORKMEN'S PARKING, ETC., SHALL BE COORDINATED WITH THE OWNER. COORDINATE ALL WORK, SCHEDULING, STAGING, AND ADMINISTRATIVE REQUIREMENTS WITH

21. ALL WORK SHALL CONFORM WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. 22. WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. TEMPORARY PASSAGEWAYS SHALL BE ACCESSIBLE PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN CHAPTER 2,

23. ALL REQUIRED SUBMITTALS SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO THE START OF THE WORK. THE ARCHITECT SHALL BE GIVEN SUFFICIENT TIME TO REVIEW AND RETURN SUBMITTALS SO AS NOT TO IMPACT THE CONSTRUCTION

26. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR UTILITY USAGE WITH THE OWNER, SUCH AS ELECTRICITY, WATER, ETC REQUIRED FOR CONSTRUCTION OPERATIONS. 27. THE CONTRACTOR SHALL TONE ALL AREAS PRIOR TO SAWCUTTING, TRENCHING, EXCAVATION, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING

28. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING INFECTION CONTROL PRIOR TO CONSTRUCTION. SEE KONA COMMUNITY HOSPITAL'S INFECTION CONTROL RISK

ARCHITECT ERSKINE ARCHITECTS, IN. 540 LAGOON DRIVE, SUITE 4 HONOLULU, HAWAII 96819

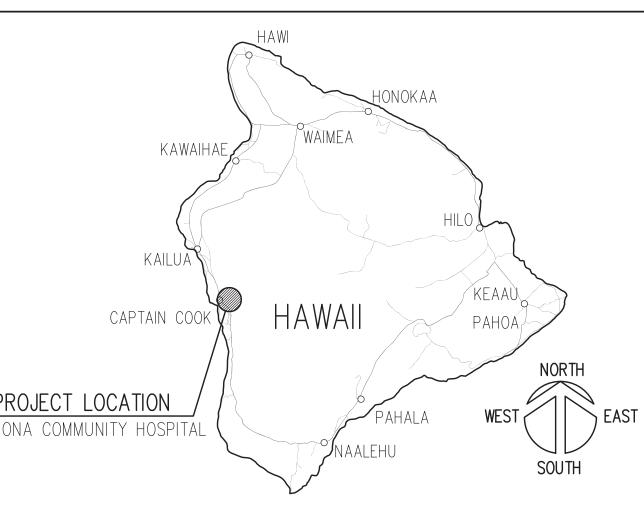
455 E LANIKAULA STREET HILO, HAWAII 96720

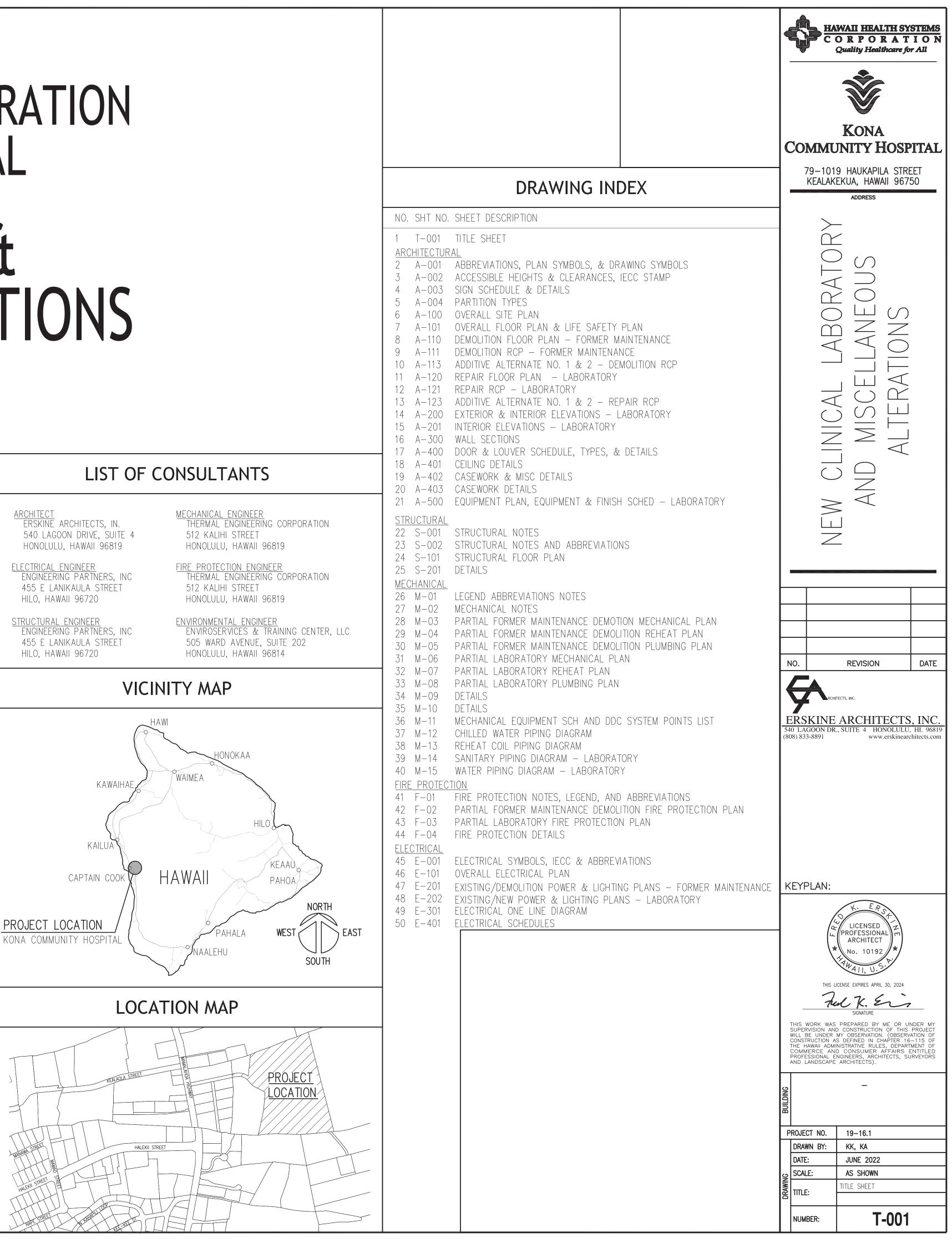
<u>STRUCTURAL ENGINEER</u> ENGINEERING PARTNERS, INC 455 E LANIKAULA STREET HILO, HAWAII 96720

512 KALIHI STREET HONOLULU, HAWAII 96819

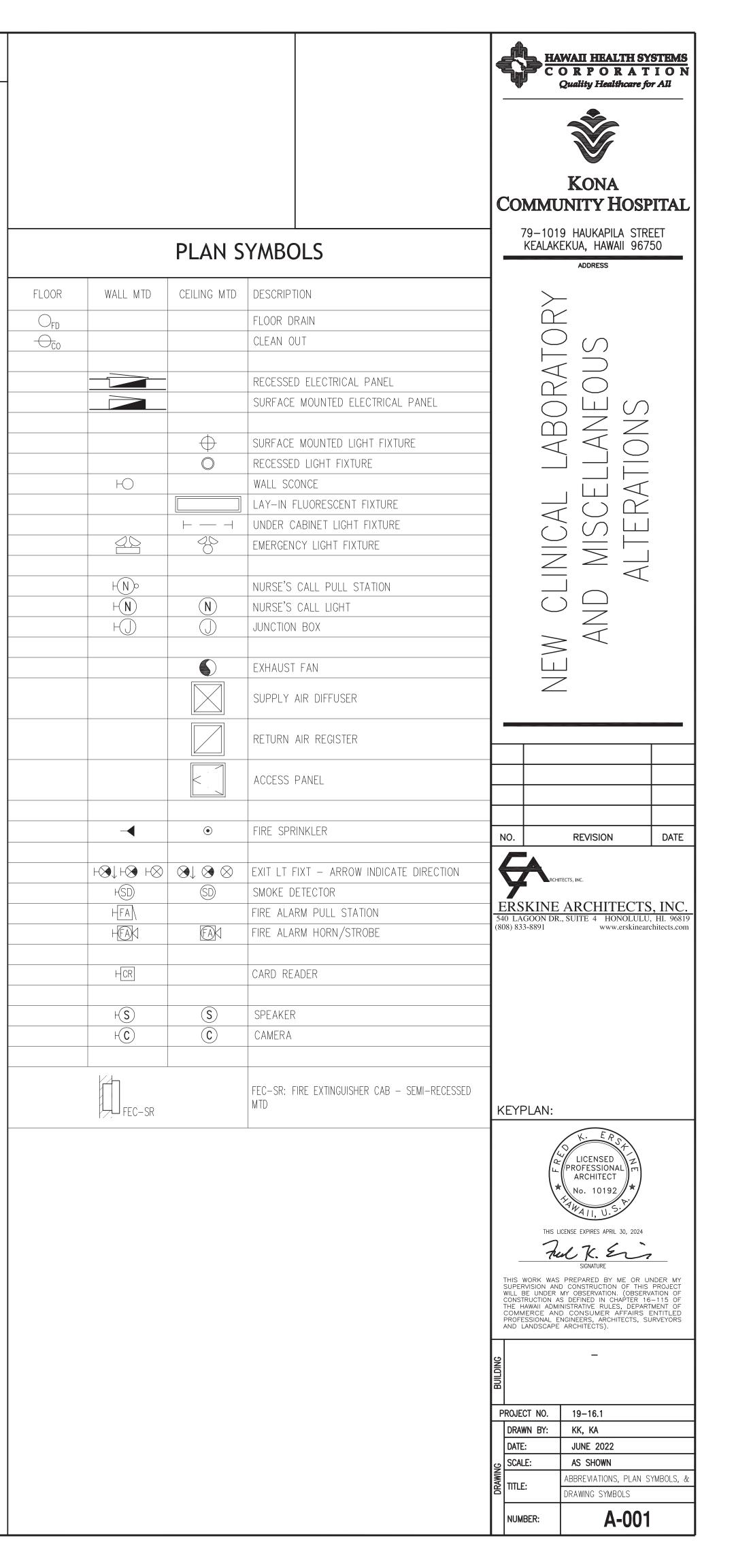
FIRE PROTECTION ENGINEER 512 KALIHI STREET

ENVIRONMENTAL ENGINEER 505 WARD AVENUE, SUITE 202 HONOLULU, HAWAII 96814

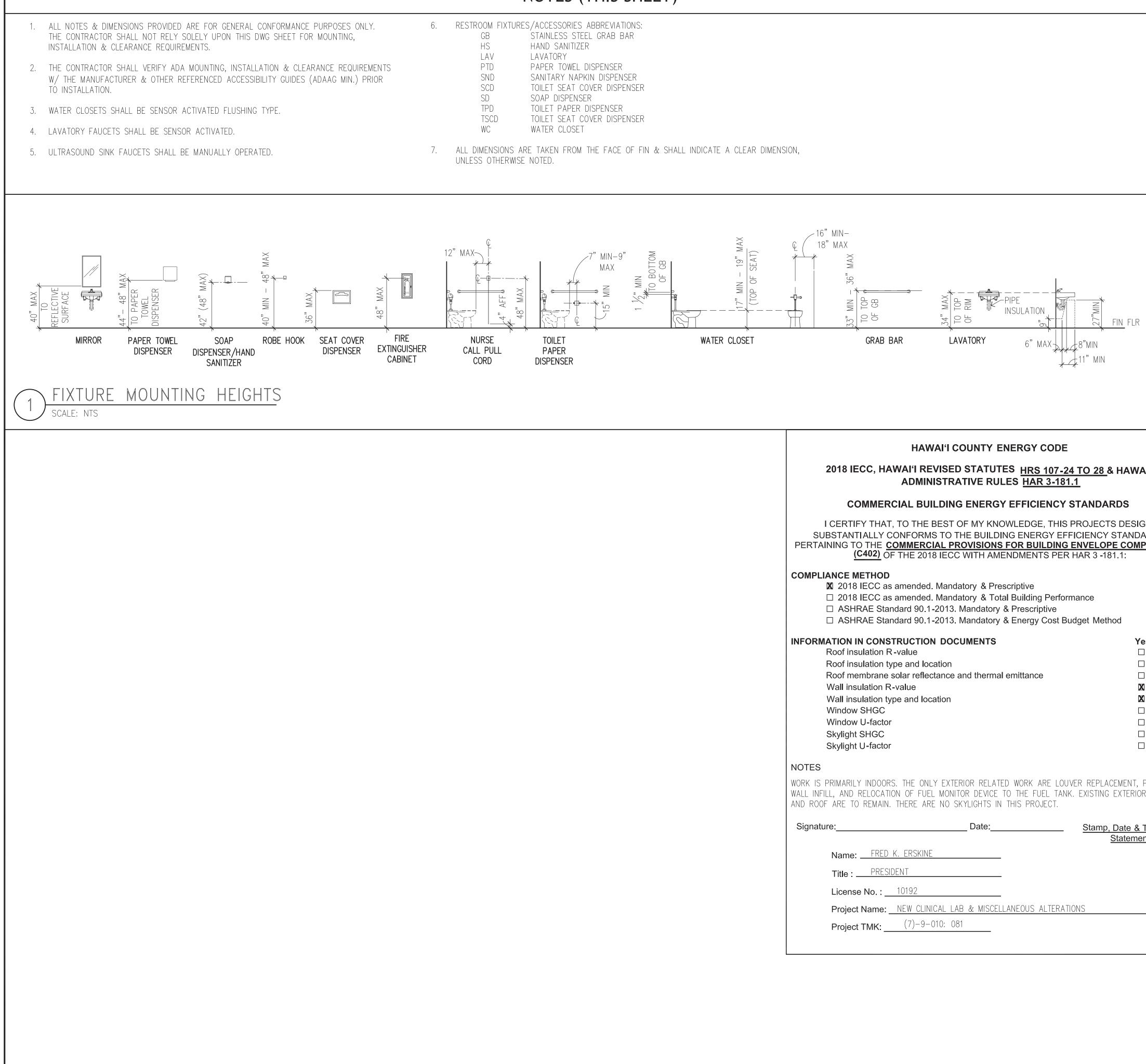




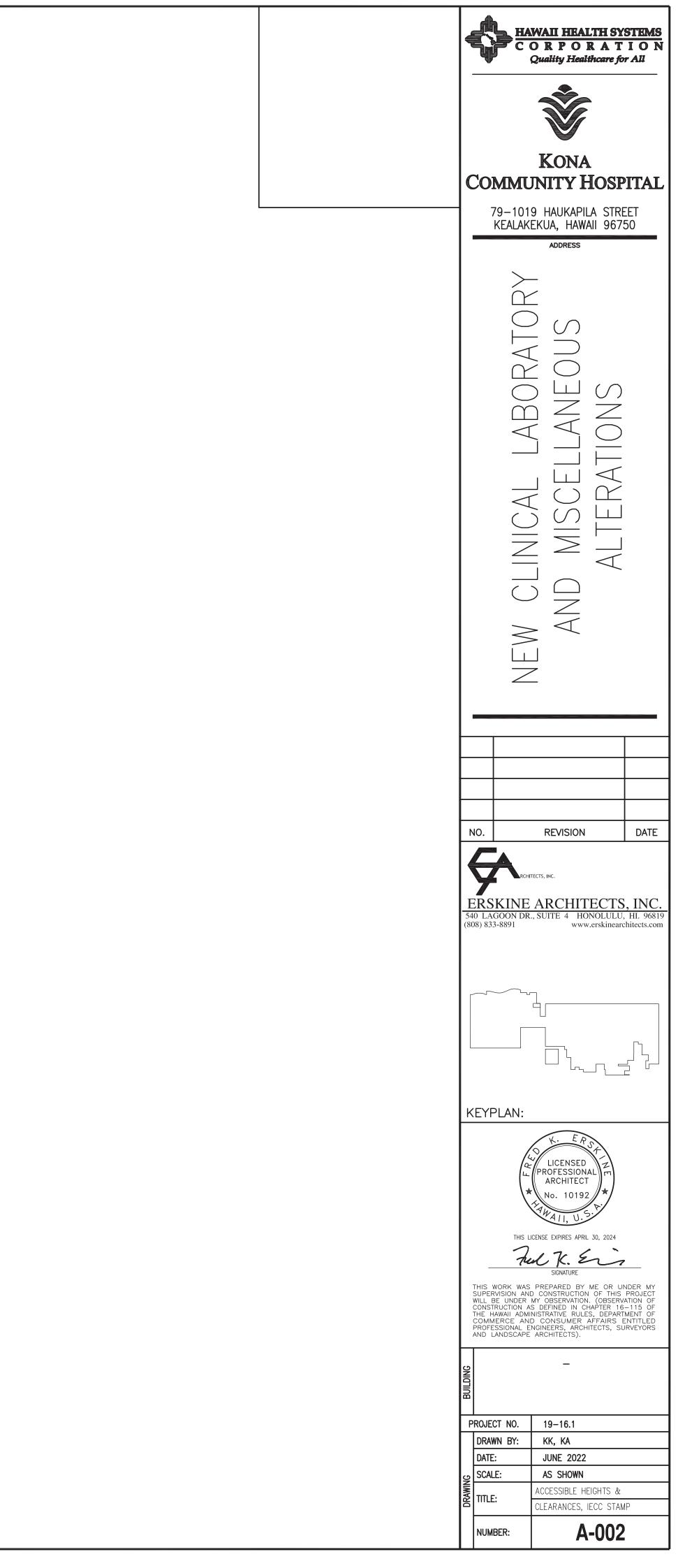
			ABBREVI	ATIONS	5			DRAWING SYMBOLS
ABV AC AJC AD ADJ AF AFF AFG AHU ALT	ABOVE ASPHALT CONCRETE AIR CONDITIONING AREA DRAIN ADJUSTABLE ACCESS FLOOR ABOVE FINISHED FLOOR ABOVE FINISH GRADE AIR HANDING UNIT ALTERNATE	FP FIN FL FLEX FLASH'G FLRG FOS FOS FOW FPRF FR	FIRE PROTECTION FINISH FLOOR FLEXIBLE FLASHING FLOORING FACE OF STUD FACE OF WALL FIREPROOF FRAME	PJ PL PLAM PLAS PLBG PNL POL PR PREFAB	PANEL JOINT PLATE PLASTIC LAMINATE PLASTER PLUMBING PANEL POLISHED PAIR PREFABRICATED	UR VCT VDU VENT VERT VEST VRC	URINAL VINYL COMPOSITION TILE VIDEO DISPLAY UNIT VENTILATION VERTICAL VESTIBULE VERTICAL RECIPROCATING CONVEYOR	ENLARGED PLANS ENLARGED PLAN OR SECTION DETAIL AREA DRAWING NUMBER LOCATION DRAWING NUMBER LOCATION
ALUM AP APRX ARCH ASPH ASSY BD BEL BVL BIT	ALUMINUM ACCESS PANEL APPROXIMATE ARCHITECT(URAL) ASPHALT ASSEMBLY BOARD BELOW BEVELED BITUMINOUS	FS FT GALV GB GC GL GR GYP HD	FLOOR SINK FOOT/FEET GALVANIZED GRAB BAR GENERAL CONTRACTOR GLASS GRADE GYPSUM HEAD	PROJ PT PNT PTD PTN PVMT QTY R RAD	PROJECTED POINT PAINT PAPER TOWEL DISPENSER PARTITION PAVEMENT QUANTITY RISER RADIUS	VTR W W/ W/O WC WD WD WD W WM WP WPG	VENT THRU ROOF WEST WITH WITHOUT WATER CLOSET WOOD WINDOW WATER MESH WATERPROOF WATERPROOFING	DETAILS A-X SHEET NUMBER LOCATION ELEVATIONS/ SECTIONS NORTH
BKS BL BLDG BM BOT BRG BS BTW BYD	BACKSPLASH BUILDING LINE BUILDING BEAM BOTTOM BEARING BOTH SIDES BETWEEN BEYOND	HDW HDWD HM HNDRL HORIZ HP HGT HWH	HARDWARE HARDWOOD HOLLOW METAL HANDRAIL HORIZONTAL HIGH POINT HEIGHT HOT WATER HEATER INSIDE DIAMETER	RCP RD RDL REC (R) RECT REINF REMV REQ'D REQMT(S) REV	REFLECTED CEILING PLAN ROOF DRAIN ROOF DRAIN LEADER RECESSED RECTANGULAR REINFORCING REMOVABLE REQUIRED REQUIREMENT(S) REVISION/REVISED	WO WR WS WSHP YD	WHERE OCCURS WATER RESISTANT WOOD STUDS WATER SOURCE HEAT PUMP YARD	NORTH ARROW WEST EAST SOUTH INTERIOR ELEVATION KEY D TO INTER. ELEV. B
C/C (CC) CAB CFCI CJT CL CLG CLG CLR CMU CO	CENTER TO CENTER CABINET CONTRACTOR FURNISHED, CONTRACTOR INSTALLED CONTROL JOINT CENTER LINE CEILING CLEAR CONCRETE MASONRY UNIT CLEAN OUT	IF IG IN INSUL INT JAN J.C. JT	INSIDE FACE INSULATED GLASS INCHES INSULATION INTERIOR JANITOR JANITOR CLOSET JOINT	RFRG RH RM RO ROD ROOF'G RT S SCD	REFRIGERATOR RIGHT HAND ROOM ROUGH OPENING ROOF OVERFLOW DRAIN ROOFING RIGHT SOUTH SEE CIVIL DRAWINGS			COLUMN LINE
COL COMB CONC CONX CONST CORR CPT CRM CSWK CT	COLUMN COMBINATION CONCRETE CONNECTION CONSTRUCTION CORRIDOR CARPET CONCRETE ROCK MASONRY CASEWORK CERAMIC TILE	L LAM LAV LH LONG LP LS LT LTG LVR	LEFT LAMINATE(D) LAVATORY LEFT HAND LONGITUDINAL LOW POINT LINOLEUM SHEET LIGHT LIGHTING LOUVER	SCHED SCWD SECT SESD SF SH SHT SHWR SIM	SCHEDULE SOLID CORE WOOD DOOR SECTION SEE ELECTRICAL/SECURITY DRAWINGS SQUARE FOOT SHELF/SHELVES SHEET SHOWER SIMILAR			ELEVATION WORK POINT, CONTROL POINT, DATUM POINT MATCHLINE MATCHLINE SEE 1/A-1 FOR PLAN CONT.
CTR CTSK DBL DEMO DF DIAG DIM DISP DIV	CENTER COUNTERSINK DOUBLE DEMOLITION DRINKING FOUNTAIN DIAGONAL DIMENSION DISPENSER DIVISION	LVT MAT MECH MEMB MET LKRS MET RLG MEZZ MFR	LUXURY VINYL TILE MATERIAL MAXIMUM MECHANICAL MEMBRANE METAL LOCKERS METAL RAILING MEZZANINE MANUFACTURER	SJ SLNT SMD SOG SPD SQ SSD SST STAG	SEISMIC JOINT SEALANT SLOPE OR SLOPED SEE MECHANICAL DRAWINGS SLAB ON GRADE SEE PLUMBING DRAWINGS SQUARE SEE STRUCTURAL DRAWINGS STAINLESS STEEL STAGGERED			REVISION CLOUD REVISION NUMBER REVISION SYMBOL
DN DP DR DS DTL DWG(S) E EA ECO	DOWN DAMPPROOFING DOOR DOWNSPOUT DETAIL DRAWING(S) EAST EACH EXISTING CLEAN OUT	MH MIN MISC MLDG MLWK MNT MO MS MR MTG	MOUNTING HEIGHT MINIMUM MISCELLANEOUS MOULDING MILL WORK MOUNT/MOUNTED MASONRY OPENING METAL STUD METAL RAILING MEETING	STC STD STL STOR STRUCT SUSP SVC SYS T	SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCTURAL SUSPENDED SERVICE SYSTEM TREAD			ROOM IDENTIFICATION X ROOM NUMBER OR CEILING HEIGHT (ON RELECTED CEILING PLAN) FLOOR OR CEILING FINISH PHOTOGRAPH IDENTIFICATION C HOTOGRAPH IDENTIFICATION C HOTOGRAPH IDENTIFICATION C HOTOGRAPH
EDS EF EFD EFG EFS EXST, (E) EG EJ ELEC	EXISTING DOWNSPOUT EXHAUST FAN EXISTING FLOOR DRAIN ENTRANCE FOOT GRILLE EXISTING FLOOR SINK EXISTING EXISTING GRADE EXPANSION JOINT ELECTRICAL	MTL (MET) MULL N N/A NC NIC NO(#) NOM		T&B TBS TEMP TEX THK THRESH THRU TKB TLT TOC	TOP AND BOTTOM TO BE SELECTED TEMPERED TEXTURE THICK THRESHOLD THROUGH TACKBOARD TOILET TOP OF CONCRETE			DOOR DOOR NUMBER DOOR SYMBOL WINDOW WINDOW NUMBER WINDOW SYMBOL WALL TYPE WALL TYPE NUMBER
ELEV ENCL EQ EQPM ESEW EWS EWC EXH EXP EXPS	ELEVATION ENCLOSURE EQUAL EQUIPMENT EMERGENCY SHOWER/EYE WASH EYE WASH STATION ELECTRIC WATER COOLER EXHAUST EXPOSED EXPANSION	NTS 0/0 0A 0C 0D 0D 0FCI	NOT TO SCALE OUT TO OUT OVERALL ON CENTER OUTSIDE DIAMETER OVERFLOW DRAIN OWNER FURNISHED CONTRACTOR INSTALLED	TOE TOF TOM TOP TOS TOW TP TPD TPD TPP	TOP OF EAVE TOP OF FLOOR TOP OF MASONRY TOP OF PLATE TOP OF SLAB/TOP OF STEEL TOP OF WALL TOILET PARTITION TOILET PAPER DISPENSER TELE-POWER POLE			WALL TYPE SYMBOL SIGNAGE SIGN NUMBER SIGN SYMBOL FINISH IDENTIFICATION PT-1 FINISH SYMBOL
FA FCO FD FDN FE FEC FF FFE	EXTERIOR FIRE ALARM FLOOR CLEAN OUT FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FURNITURE, FIXTURE & EQUIPMENT/	OFRD OFOI OH OPNG (OPG OPP OPH ORD OS OVHG OVS	OVERFLOW ROOF DRAIN OWNER FURNISHED OWNER INSTALLED OVERHEAD) OPENING OPPOSITE OPPOSITE HAND OVERFLOW ROOF DRAIN ONE SIDE OVERHAND OVERFLOW SCUPPER	TR TRTD TS TWF TYP UC UGND UNEX UNFIN	TRASH RECEPTACLE TREATED TUBE STEEL OR THIN SET THROUGH-WALL FLASHING TYPICAL UNDER COUNTER UNDERGROUND UNEXCAVATED UNFINISHED			IDENTIFICATION FINISH SYMBOL KEY NOTE KEY NOTE NUMBER KEY NOTE SYMBOL CEILING HEIGHT +8'-6"
FFS	FINISH FLOOR ELEVATION FINISH FLOOR SEPARATION			UON	UNLESS OTHERWISE NOTED			TELE-POWER SIDE WHERE POLE RECEPTACLE OCCURS

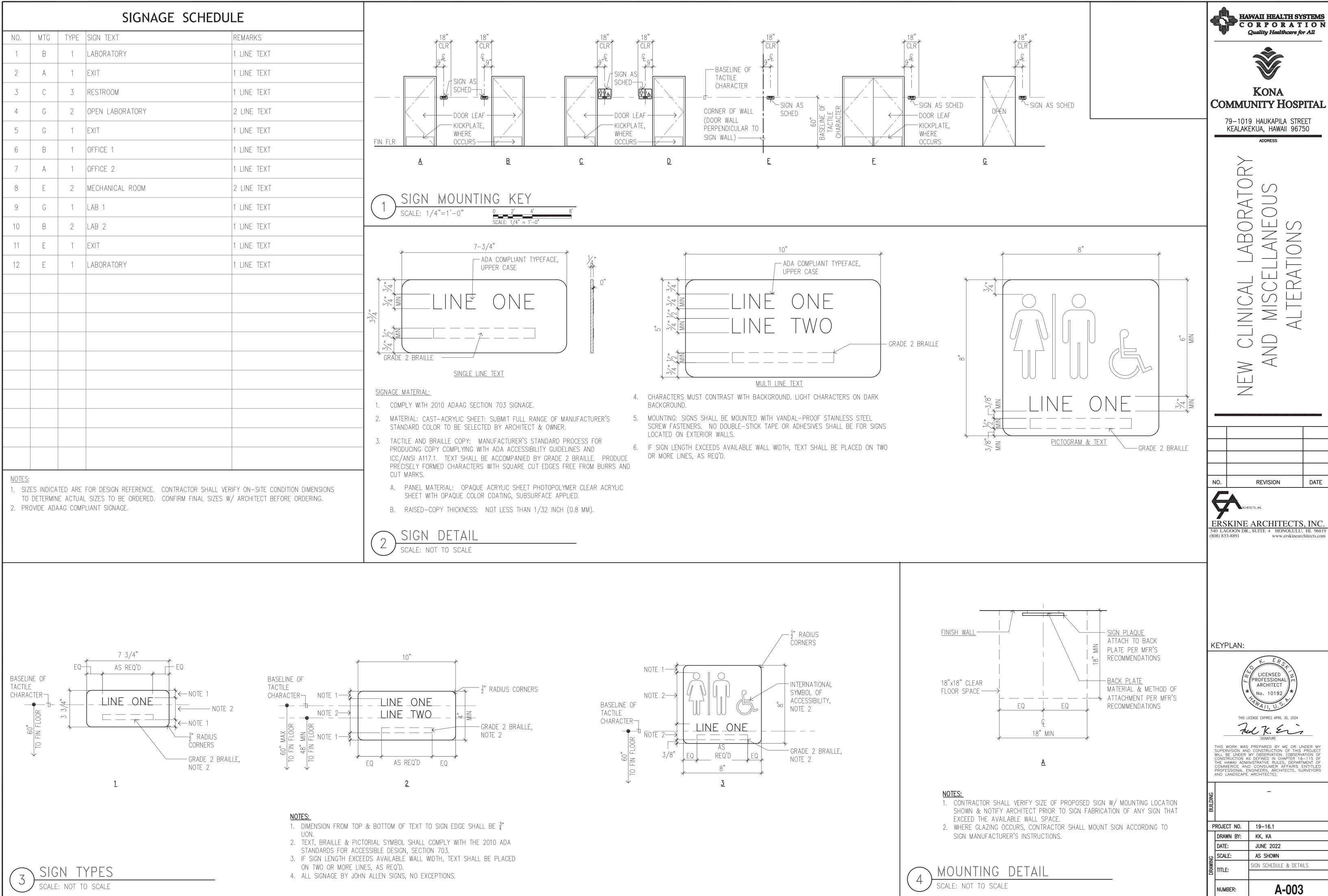


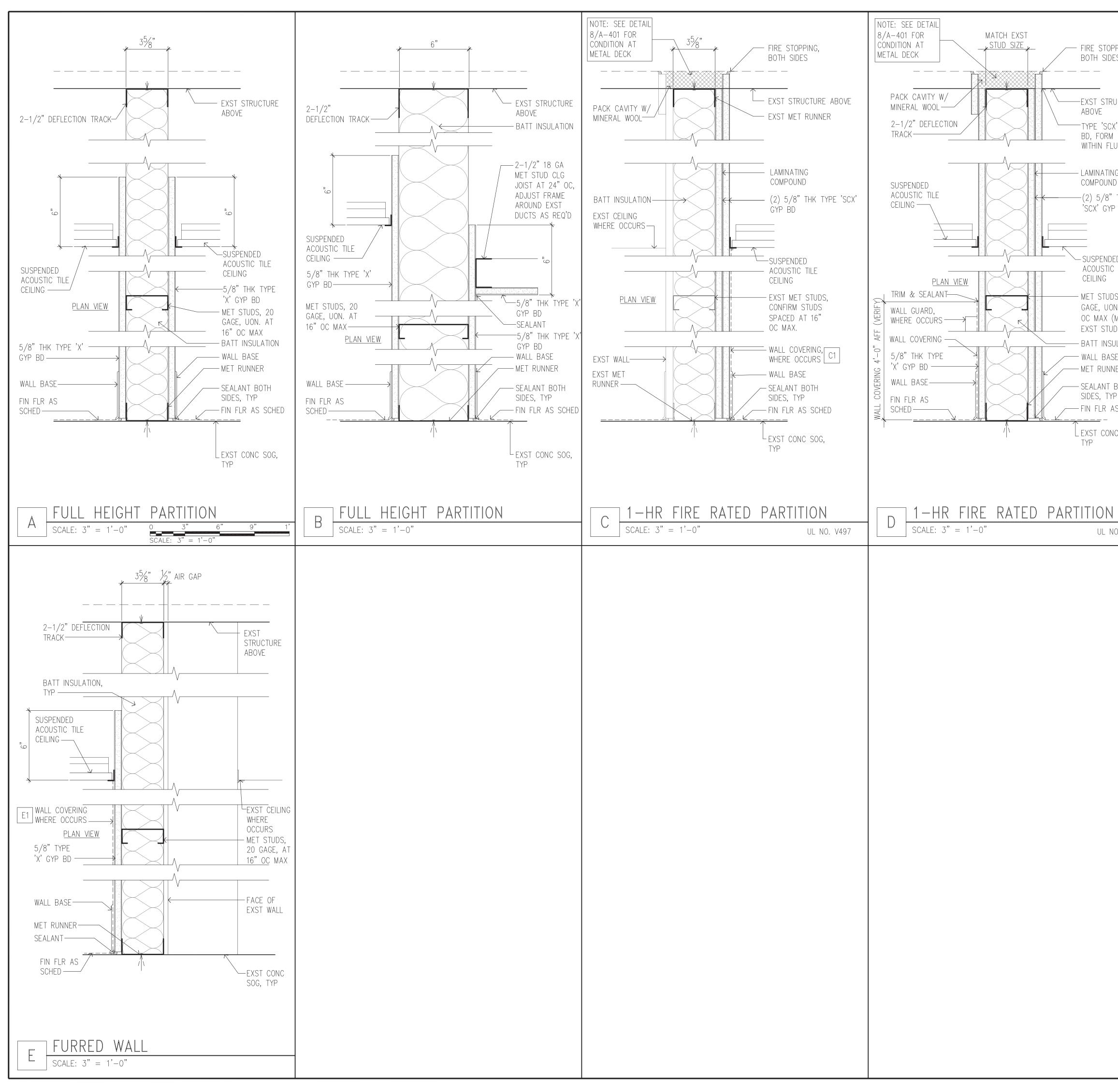
NOTES (THIS SHEET)



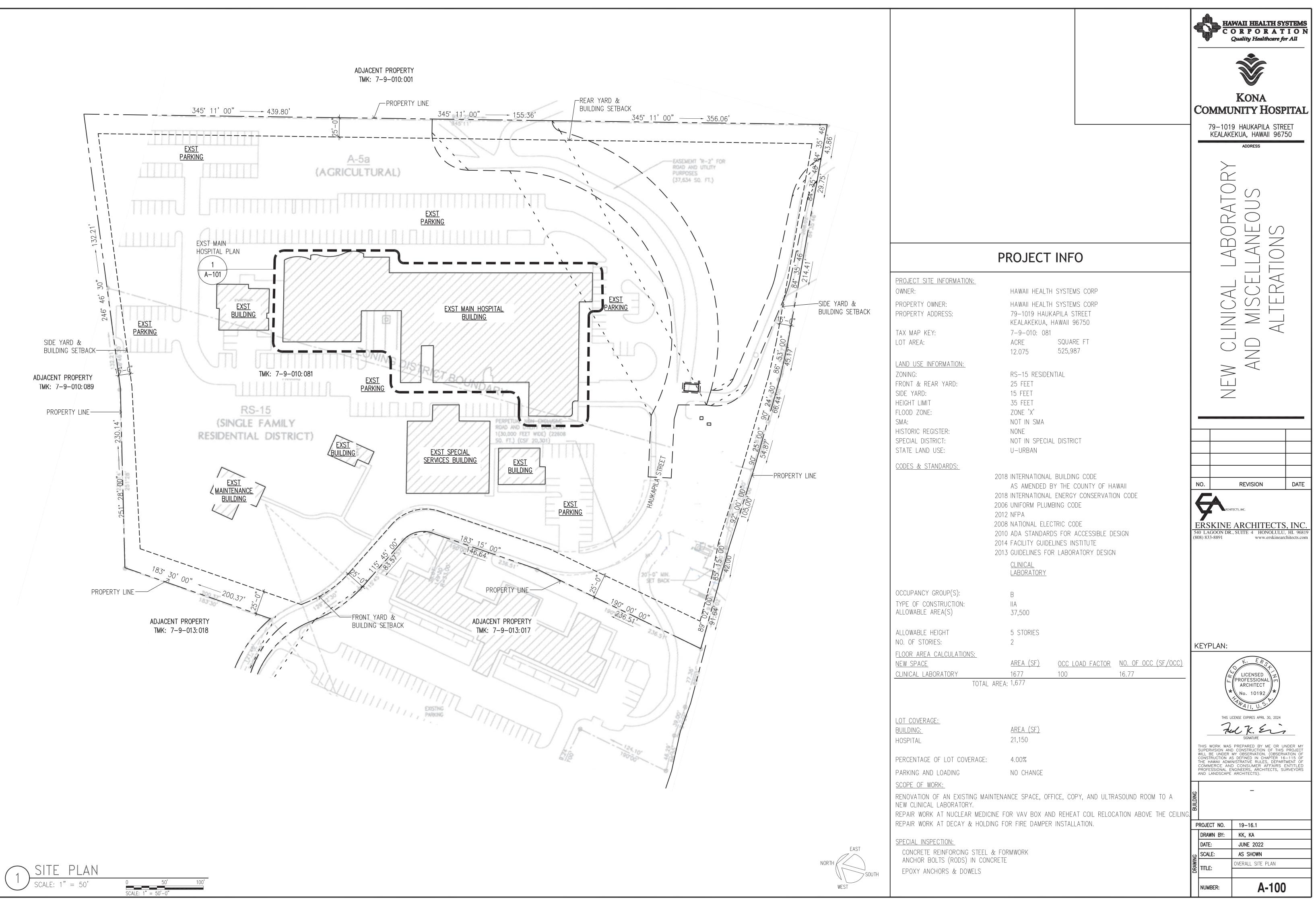
HAWAI'I COUNTY EN	IERGY CODE
2018 IECC, HAWAI'I REVISED STATUTE ADMINISTRATIVE RULE	
COMMERCIAL BUILDING ENERGY	EFFICIENCY STANDARDS
I CERTIFY THAT, TO THE BEST OF MY KNOW SUBSTANTIALLY CONFORMS TO THE BUILDIN PERTAINING TO THE <u>COMMERCIAL PROVISIONS F</u> (C402) OF THE 2018 IECC WITH AMEN	G ENERGY EFFICIENCY STANDARDS FOR BUILDING ENVELOPE COMPONENTS
COMPLIANCE METHOD 2018 IECC as amended. Mandatory & Press 2018 IECC as amended. Mandatory & Total ASHRAE Standard 90.1-2013. Mandatory & ASHRAE Standard 90.1-2013. Mandatory &	Building Performance Prescriptive
INFORMATION IN CONSTRUCTION DOCUMENTS Roof insulation R-value Roof insulation type and location Roof membrane solar reflectance and thermal e Wall insulation R-value Wall insulation type and location Window SHGC Window U-factor Skylight SHGC Skylight U-factor	emittance N/A Semittance N/A
NOTES	
WORK IS PRIMARILY INDOORS. THE ONLY EXTERIOR RELATED WALL INFILL, AND RELOCATION OF FUEL MONITOR DEVICE TO AND ROOF ARE TO REMAIN. THERE ARE NO SKYLIGHTS IN T	D THE FUEL TANK. EXISTING EXTERIOR WINDOWS
Signature: Date:	<u>Stamp, Date & Two-Part</u> <u>Statement</u>
Name: FRED K. ERSKINE	
Title :PRESIDENT	
License No. : 10192	
Project Name: NEW CLINICAL LAB & MISCELLA	ANEOUS ALTERATIONS
Project TMK:(7)-9-010: 081	



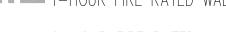


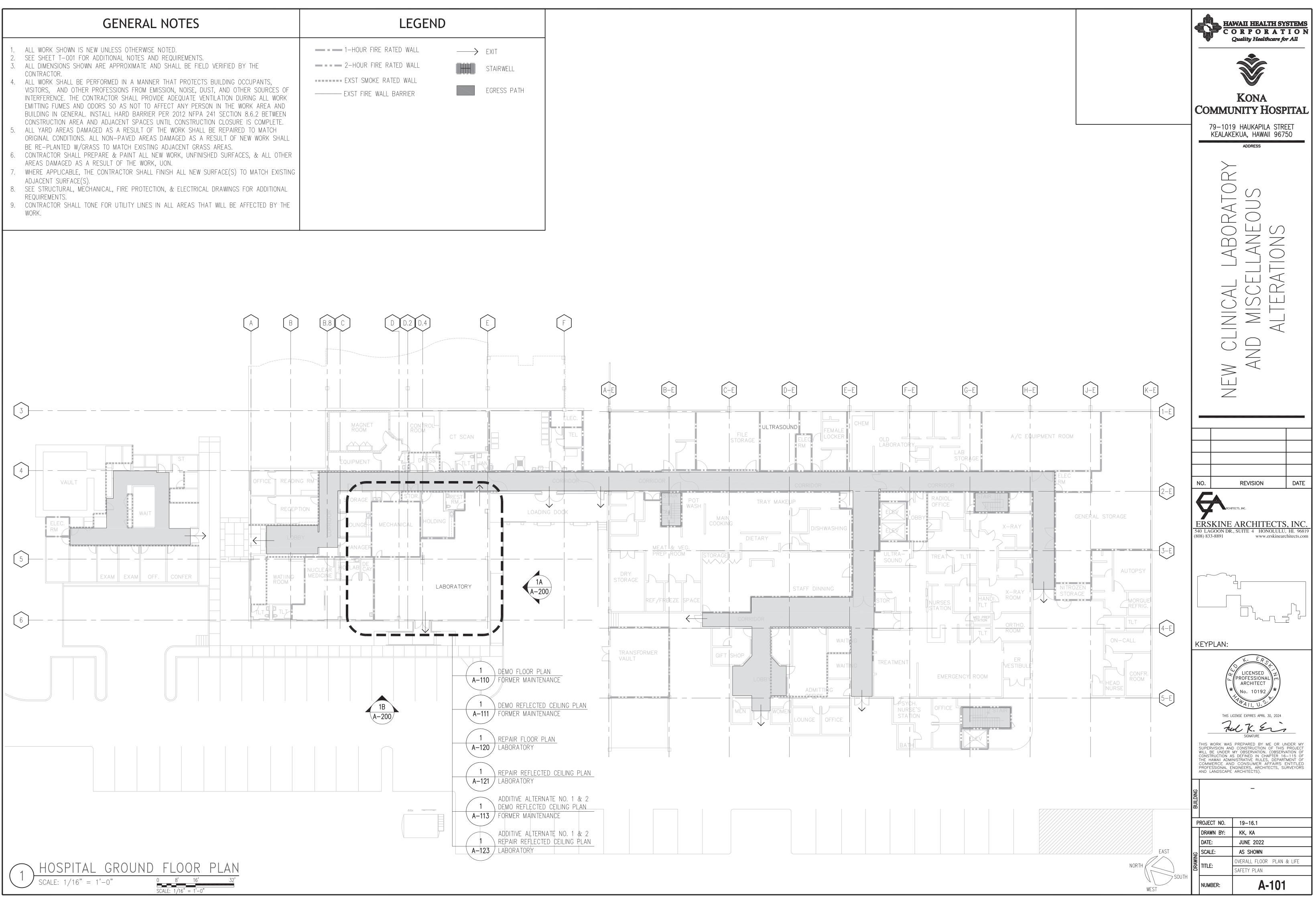


PING, 'S			\$	HAWAII HEALTH SY C O R P O R A T Quality Healthcare for	ION
JCTURE X'GYP				KONA	
TO FIT JTE, WO		C		AUNITY HOSE	
G].		1019 HAUKAPILA STR LAKEKUA, HAWAII 967	
) Thk type				ADDRESS	
BD			í	X X	
			($\frac{1}{2}$	
ED TILE			(
S, 20			((О Ш X N Z	
N. AT 16" MATCH			•	$\forall \neg \neg \bigcirc$	
d size) Jlation				Z I Z	
e er			(
BOTH			-		
S SCHED			-		
C SOG,				ANI AN	
		Ŀ			
0. V497					
	PARTITION SCHEDULE NOTES:	┝			
	 PARTITION TYPES INDICATE GENERIC PARTITION CONSTRUCTION, UON. CONTRACTOR SHALL FIELD VERIFY REQUIRED FLOOR/CEILING CONNECTION AND INSTALL PARTITIONS TO MAINTAIN SPECIFIED FIRE RATING. 	N	0.	REVISION	DATE
	3. GYP. BD.: 5/8" THK. TYPE "X" U.O.N.			RCHITECTS, INC.	
	4. SEE DET 1/A-004 FOR BACKING PLATE REQUIREMENTS FOR EQUIPMENT, ARTWORK, TOILET ACCESSORIES, GRAB BARS, COUNTERS, CABINETRY AND SHELVING.	540	CRSKI D LAGOON 8) 833-8893	NE ARCHITECTS N DR., SUITE 4 HONOLULU www.erskinear	, HI. 96819
	 TYPICAL CONDITIONS (UON): 5.1. TERMINATION: TERMINATE STUDS AT STRUCTURAL SOFFIT; ALLOW FOR DEFLECTION. 		0) 000 000	i www.criskiidai	enneets.com
	5.2. PERIMETER RELIEF: WHERE PARTITIONS MEET STRUCTURE OR DISSIMILAR CONSTRUCTION, PROVIDE PERIMETER RELIEF.				
	6. FIRE RATED PARTITION FACE MATERIAL TERMINATIONS: CONTINUOUS FROM TOP OF FLOOR SLAB TO STRUCTURE ABOVE.				
	 GYPSUM BOARD APPLICATION AND FINISHING SHALL BE PER GYPSUM ASSOCIATION PUBLICATIONS FOR USE AND INSTALLATION. ACOUSTICAL PARTITION: 				
	8.1. TO BE INSTALLED PER ASTM E497, STANDARD PRACTICE FOR INSTALLING SOUND-ISOLATING GYPSUM BOARD PARTITIONS, AND ASTM C919, STANDARD				
	PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS. 8.2. PARTITION SUBSTRATE MATERIAL TERMINATION IS CONTINUOUS FROM TOP OF FLOOR SLAB TO SOFFIT OF STRUCTURE ABOVE.	K	EYPLAI	N:	
	TEOOR SEAD TO SUITH OF STRUCTURE ABOVE.			LICENSED CHARCHITECT	
	STUDS TO UNDERSIDE OF			* No. 10192 *	
	STRUCTURE STANDARD STUD SPACING			THIS LICENSE EXPIRES APRIL 30, 2024	
	UNLESS OTHERWISE NOTED, 3 STUDS SPAN MINIMUM	T	HIS WORK	SIGNATURE WAS PREPARED BY ME OR U	NDER MY
		V C T C F	VILL BE UN CONSTRUCTI THE HAWAII COMMERCE PROFESSION	WAS PREPARED BY ME OR UN N AND CONSTRUCTION OF THIS DER MY OBSERVATION. (OBSERV ON AS DEFINED IN CHAPTER 16 ADMINISTRATIVE RULES, DEPAR AND CONSUMER AFFAIRS IAL ENGINEERS, ARCHITECTS, SI	/ATION OF 5-115 OF TMENT OF ENTITLED JRVEYORS
	BACKING PLATE: 6" WIDE STUD	\vdash	AND LANDS	CAPE ARCHITECTS).	
	RUNNER-NOTCH AROUND & FASTEN FLUSH TO STUDS W/ 2-#10 SHEET METAL SCREWS PER STUD	BUILDING			
	BACKING PLATES SHALL BE 16 GAUGE MIN. GALV. STEEL, PLATES SHALL SPAN AT LEAST TWO STUDS HORIZONTALLY.		ROJECT NO		
	FOR GRAB BARS, HANDRAIL BRACKETS, SEATS, & SHELVES:		DRAWN B' DATE: SCALE:	Y: KK, KA JUNE 2022 AS SHOWN	
	use 18 gauge runner (min.) unless otherwise noted \frown	Ň	TITLE:	PARTITION TYPES	
	NTS		NUMBER:	A-004	
		- 1		•	



- CONSTRUCTION AREA AND ADJACENT SPACES UNTIL CONSTRUCTION CLOSURE IS COMPLETE.
- ORIGINAL CONDITIONS. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXISTING ADJACENT GRASS AREAS.
- AREAS DAMAGED AS A RESULT OF THE WORK, UON.
- ADJACENT SURFACE(S).
- REQUIREMENTS.
- WORK.



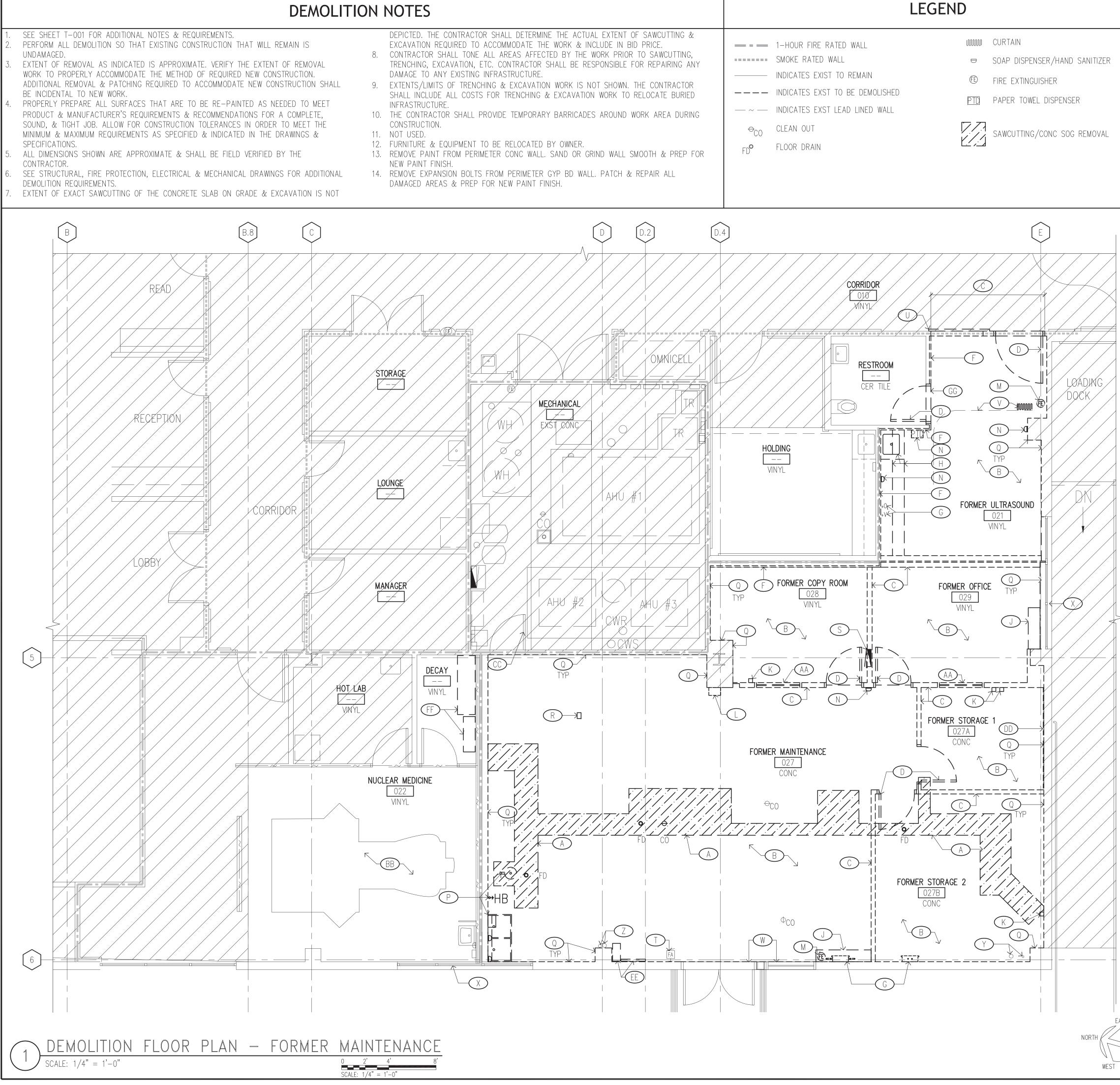




- EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. VERIFY THE EXTENT OF REMOVAL WORK TO PROPERLY ACCOMMODATE THE METHOD OF REQUIRED NEW CONSTRUCTION. ADDITIONAL REMOVAL & PATCHING REQUIRED TO ACCOMMODATE NEW CONSTRUCTION SHALL BE INCIDENTAL TO NEW WORK.
- PRODUCT & MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS FOR A COMPLETE, SOUND, & TIGHT JOB. ALLOW FOR CONSTRUCTION TOLERANCES IN ORDER TO MEET THE MINIMUM & MAXIMUM REQUIREMENTS AS SPECIFIED & INDICATED IN THE DRAWINGS &

- DEMOLITION REQUIREMENTS. EXTENT OF EXACT SAWCUTTING OF THE CONCRETE SLAB ON GRADE & EXCAVATION IS NOT

- INFRASTRUCTURE.
- CONSTRUCTION.

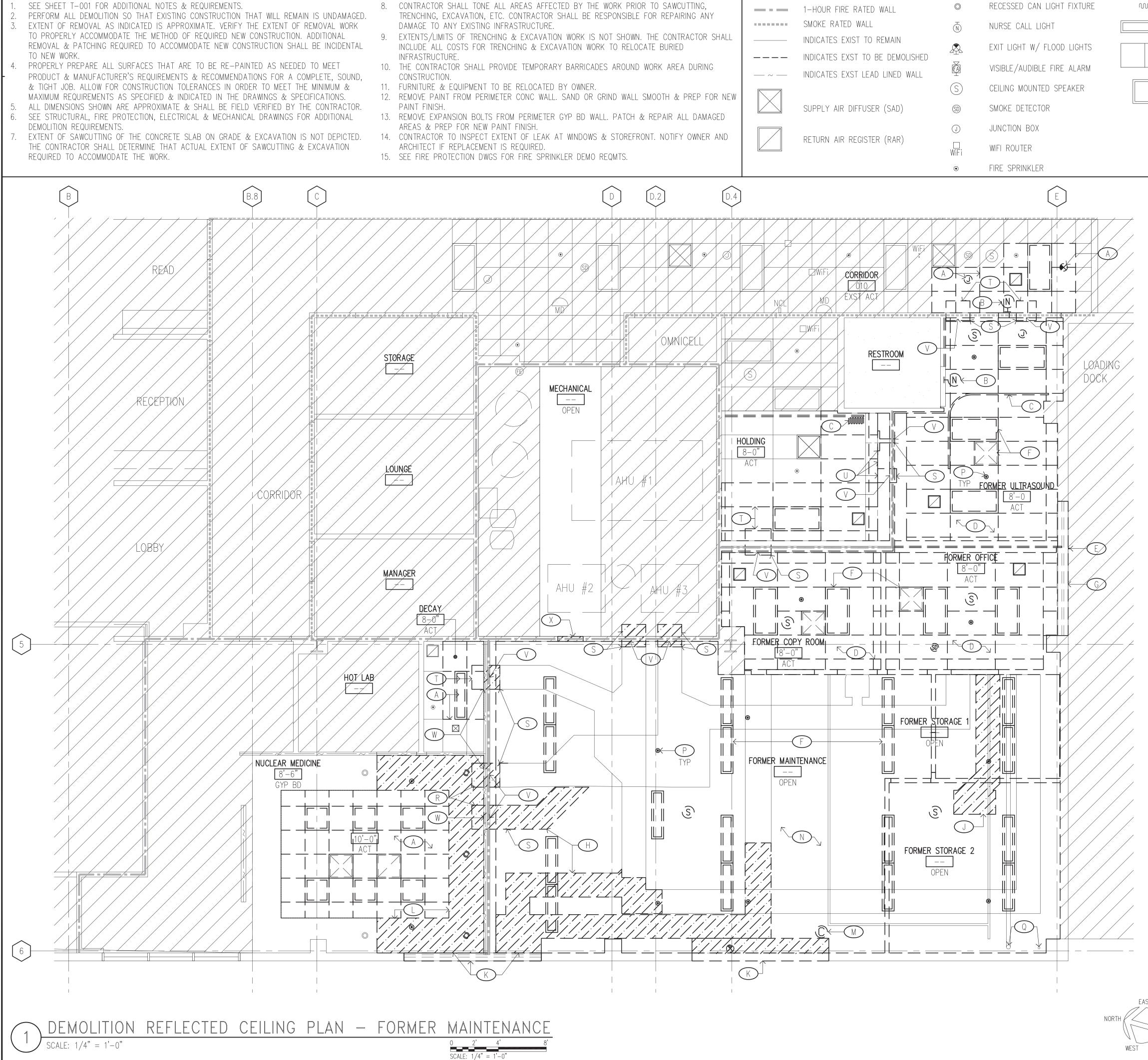


	1		_			-
			4	L C	WAII HEALTH SYSTEMS O R P O R A T I O P Quality Healthcare for All	
			0	COMMU	KONA JNITY HOSPITAI	
	KEYNOTE NO.	KEYNOTES (THIS SHEET)			9 HAUKAPILA STREET EKUA, HAWAII 96750 address	
	A	SAW CUT CONC SOG & TRENCH AS REQ'D FOR NEW PLUMBING, SEE MECH & STRUCT DWGS.		\geq	_	
	B	DEMO ALL FLOOR FINISH, BASE BOARDS & UNDERLAYMENT COMPLETE, PREPARE SOG AS REQUIRED FOR NEW FLOOR FINISH. SEE SPECS FOR				
	\bigcirc	MOISTURE TESTING REQMTS. DEMO GYP BD WALL COMPLETE.		A A (
		DEMO DOOR & FRAME COMPLETE.		\sim		
	(E)	NOT USED.		\triangleleft		
	Image: Constraint of the second se	DEMO GYP BD ON ONE SIDE COMPLETE TO EXPOSE STUD FRAMING. REMOVE, SALVAGE AND/OR PROTECT IN PLACE ELEC/TELCOM OUTLETS			ATIC ATIC	
	G	& OTHER SIM DEVICES ON WALL SURFACE. DEMO MED GAS HOUSING/OUTLET. CUT & CAP MED GAS LINES, SEE MECH DWGS.		\Box		
	H	DEMO CASEWORK & SINK COMPLETE. REMOVE PLUMBING DEAD LEG COMPLETE. SEE MECH DWGS FOR ADDITIONAL INFO.				
		DEMO SHELVING COMPLETE.		\subset		
	K	DEMO WALL MTD ELEC DEVICES/RECEPTACLES TYP. CUT & CAP WIRING, SEE ELEC DWGS.			\mathbf{k}	
		REMOVE & SALVAGE FUEL MONITOR FOR OWNER. CUT & CAP CONDUITS. SEE MECH DWGS & ELEC DWGS FOR ADDITIONAL INFO. PATCH & REPAIR WALL AS REQ'D.			~	
		REMOVE & SALVAGE FIRE EXTINGUISHER FOR OWNER.		i		
		REMOVE & SALVAGE WALL MTD DEVICES/ACCESSORIES FOR OWNER.				┥
	P	DEMO SINK, EYE WASH, HOSE BIB & ASSOCIATED PLUMBING SYSTEM DEAD LEGS COMPLETE. SEE MECH DWGS FOR ADDITIONAL INFO.	·			
		PATCH & REPAIR ALL WALL & COLUMN SURFACES. PREPARE FOR NEW PAINT FINISH.			REVISION DATE	
	(R) (S)	CUT & CAP SUSPENDED J-BOX AND WIRING TO TERMINATE ABOVE CEILING. SEE ELEC DWGS.		7 ERSKINE	ARCHITECTS, INC. ARCHITECTS, INC 2., SUITE 4 HONOLULU, HI. 968	
		DEMO ELEC PANEL, SEE ELEC DWGS.	(80	08) 833-8891	www.erskinearchitects.com	n
		FIRE ALARM PULL STATION TO REMAIN.				
		REMOVE & SALVAGE WALL GUARD.	Г		7	
	(\vee)	DEMO CURTAIN & TRACK COMPLETE.		7_	<u>ط</u>	
	\mathbb{W}	STOREFRONT TO REMAIN.				
	$\left \begin{array}{c} \mathbf{X} \\ \mathbf{X} \end{array} \right $	WINDOW TO REMAIN.				
	$\left \begin{array}{c} (Y) \\ (\overline{y}) \\ (\overline{y}) \end{array} \right $	FIRE RISER VALVE TO REMAIN, SEE FP DWGS.		EYPLAN:		
		PIPES TO REMAIN.			X. ED	+
		DEMO WINDOW ASSEMBLY COMPLETE.				
	BB	OWNER TO TEMPORARILY REMOVE/PROTECT EQUIPMENT.			PROFESSIONAL ARCHITECT No. 10192	
		DOOR TO REMAIN.		\backslash	ATWAIL, U.S.	
	(DD) (EE)	DEMO PLYWOOD. REMOVE & RELOCATE DDC SYSTEM & COMMUNICATIONS INFRASTRUCTURE TO MAINTENANCE BLDG. SEE MECH & ELEC DWGS.		_	ICENSE EXPIRES APRIL 30, 2024 M. K. E. SIGNATURE	
	FF	IF NECESSARY, TEMPORARILY REMOVE & SALVAGE CASEWORK, STORAGE/SHELVING, SINK, & WALL MOUNTED DEVICES FOR FIRE DAMPER INSTALLATION, AS REQUIRED.		SUPERVISION ANI WILL BE UNDER CONSTRUCTION A THE HAWAII ADMI COMMERCE AN	SIGNATORE PREPARED BY ME OR UNDER MY D CONSTRUCTION OF THIS PROJECT MY OBSERVATION. (OBSERVATION OF S DEFINED IN CHAPTER 16–115 OF INISTRATIVE RULES, DEPARTMENT OF D CONSUMER AFFAIRS ENTITLED INGINEERS, ARCHITECTS, SURVEYORS ARCHITECTS).	
	GG	DEMO THRESHOLD.				-
			BUILDING		_	
			P	ROJECT NO.	19-16.1	1
				DRAWN BY: DATE:	KK, KA JUNE 2022	
			DRAWING	SCALE: TITLE:	AS SHOWN DEMOLITION FLOOR PLAN – FORMER MAINTENANCE	
				NUMBER:	A-110	1
_	_					

DEMOLITION NOTES

- SEE SHEET T-001 FOR ADDITIONAL NOTES & REQUIREMENTS.
- EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. VERIFY THE EXTENT OF REMOVAL WORK
- REMOVAL & PATCHING REQUIRED TO ACCOMMODATE NEW CONSTRUCTION SHALL BE INCIDENTAL TO NEW WORK.
- PRODUCT & MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS FOR A COMPLETE, SOUND, & TIGHT JOB. ALLOW FOR CONSTRUCTION TOLERANCES IN ORDER TO MEET THE MINIMUM &
- ALL DIMENSIONS SHOWN ARE APPROXIMATE & SHALL BE FIELD VERIFIED BY THE CONTRACTOR. 6. SEE STRUCTURAL, FIRE PROTECTION, ELECTRICAL & MECHANICAL DRAWINGS FOR ADDITIONAL
- THE CONTRACTOR SHALL DETERMINE THAT ACTUAL EXTENT OF SAWCUTTING & EXCAVATION REQUIRED TO ACCOMMODATE THE WORK.
- 8. CONTRACTOR SHALL TONE ALL AREAS AFFECTED BY THE WORK PRIOR TO SAWCUTTING,

- AREAS & PREP FOR NEW PAINT FINISH.



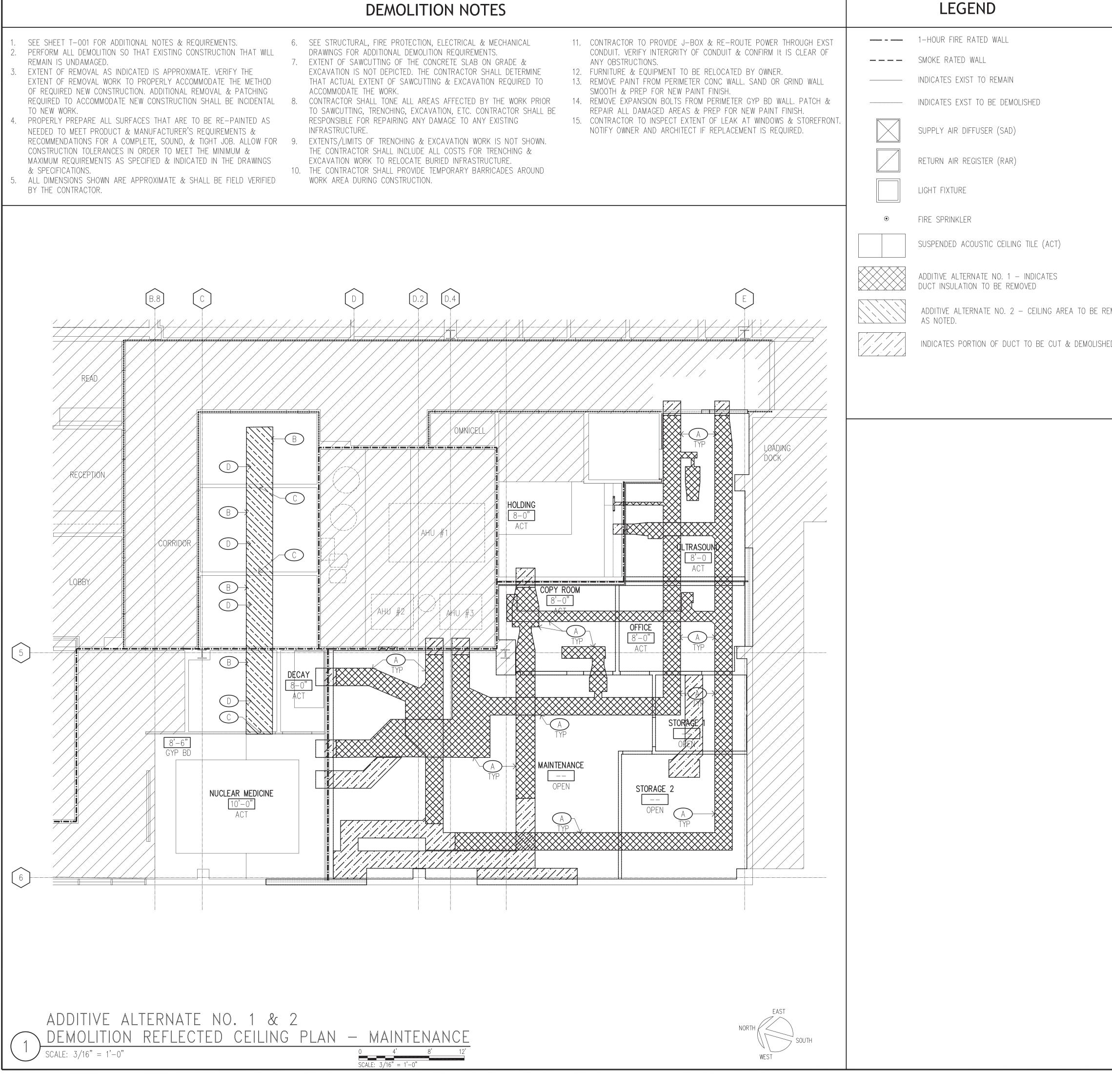
				ł		WAII HEALTH SY ORPORAT	
M	CURTAIN					Quality Healthcare fo	r All
	LIGHT FIXTUF	RE				Ň	
	SUSPENDED	ACOUSTIC CEILING TILE (ACT)					
				CC	MMU	KONA JNITY HOSP	ITAL
	LIGHT FIXTUF	Ϋ́Ε				9 HAUKAPILA STRE EKUA, HAWAII 967	
				-		ADDRESS	
					\geq	_	
	KEYNOTE	KEYNOTES (THIS SHEET)				
	NO.	PANELS, LIGHT FIXTURES & OTH	ECT, AND/OR ADJUST CEILING GRID, IER CEILING MOUNTED DEVICES AS		A A C		
	B	NECESSARY FOR THE WORK. TEMPORARILY REMOVE & SALVA	GE NURSE CALL LIGHTS.		\square		
		DEMO CURTAIN TRACK COMPLET	E.				
		DEMO ACOUSTICAL CEILING TILE	& GRID COMPLETE.		_		
	E	DEMO ANTENNA & CABLE COMP	LETE, SEE ELEC DWGS.			S <u>С</u> Ц	
	F	DEMO LIGHT FIXTURES, SAD, RA DETECTORS, UON.	R, FIRE SPRINKLERS & SMOKE				
	G	DEMO LOUVER COMPLETE REPAI SEAL AROUND WINDOW, SEE NO	R WATER DAMAGE TO WINDOW BELOW & TE 14.			AND	
	H	CUT & DEMO AC DUCTS, SEE M	ECH DWGS.		\sim	\geq	
		REMOVE & SALVAGE EXHAUST F DWGS.	FAN & DUCT FOR OWNER, SEE MECH		NFW		
	K		LETE, REPAIR WATER DAMAGE & SEAL T BELOW. SEE DEMOLITION NOTE 14.	_			
		CUT & DEMO GYP BD SOFFIT, A REHEAT COIL & REHEAT WATER	S REQUIRED TO RELOCATE VAV BOX LINES. SEE MECH DWGS.				
	M	TEMPORARILY REMOVE & SALVA DETECTOR, SEE ELEC DWGS.	ge security camera, & smoke				
	N	STRUCTURE, SEWER LINE, SPRIN TO REMAIN, SEE MECH DWGS.	KLER MAIN LINE, AND CONDUIT ABOVE	NO.		REVISION	DATE
	\mathbb{P}	DEMO FIRE SPRINKLER HEADS, S	SEE FIRE PROTECTION DWGS.	t	RCHI	ITECTS, INC.	
		FIRE RISER VALVE TO REMAIN.		540 L	AGOON DR	ARCHITECTS	HI. 96819
	(R)	SEE FIRE DAMPER NOTES 1, 2,	& 4.	(808) 8	33-8891	www.erskinearc	chitects.com
	$\left(\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	SEE FIRE DAMPER NOTE 4.	9. <i>1</i>				
		SEE FIRE DAMPER NOTES 2, 3 SEE FIRE DAMPER NOTES 2, 3,			<u> </u>]	
		SEE FIRE DAMPER NOTE 6.					
		GC TO FIELD VERIFY LEAD LININ IS GREATER THAN 8'–2". GC SF	G HEIGHT AND NOTIFY ARCHITECT IF IT HALL BE RESPONSIBLE FOR THE				
		ABATEMENT OF LEAD LINED WAI SPECIFICATIONS FOR LEAD ABA	LS AFFECTED BY THE WORK. REFER TO TEMENT PROCEDURES.	KEY	PLAN:		
	(\mathbf{x})	THROUGH THE MECHANICAL ROC	POSED REHEAT PIPES CAN BE ROUTED DM. SEE MECH DWGS. IF THERE IS NO TION, CUT & REMOVE PORTION OF GYP			LICENSED Z PROFESSIONAL	
		BD WALL FOR REHEAT PIPES PE	NETRATION.		(⊥⊥ (≠	ARCHITECT	
	FI	RE DAMPER NOT	ES (THIS SHEET)		-	JCENSE EXPIRES APRIL 30, 2024	
	1. C	UT & DEMO PORTION OF CEILING	TO ACCESS DUCT.		he	K.E.	,
		EMPORARILY REMOVE & SALVAGE Y FIRE DAMPER INSTALLATION.	CEILING MOUNTED DEVICES AFFECTED	SUPE WILL CONS THE	ERVISION AN BE UNDER STRUCTION A HAWAII ADM	PREPARED BY ME OR UI D CONSTRUCTION OF THIS MY OBSERVATION. (OBSERV. S DEFINED IN CHAPTER 16 INISTRATIVE RULES, DEPART D CONSUMER AFFAIRS E	PROJECT ATION OF
	3. Tł	EMPORARILY REMOVE & SALVAGE	ACOUSTIC CEILING TILES.	PROF	FESSIONAL E	NGINEERS, ARCHITECTS, SU ARCHITECTS).	
		UT & REMOVE PORTION OF DUCT EW FIRE DAMPER INSTALLATION.	INSULATION & DUCT. PREPARE FOR	BUILDING		_	
		EMPORARILY REMOVE & SALVAGE AMPER INSTALLATION, AS REQUIRI	CASEWORK & SINK AFFECTED BY FIRE		ECT NO.	19-16.1	
			BD WALL AROUND DUCT PENETRATION	DR/	AWN BY:	КК, КА	
EAST		OR FIRE DAMPER INSTALLATION, A	AS REQ. SEE MECH DWGS.		TE: ALE:	JUNE 2022 AS SHOWN	
SOUTI	н				E:	DEMOLITION RCP – FORMER MAINTENANCE	
T				NU	MBER:	A-111	

LEGEND

DEMOLITION NOTES

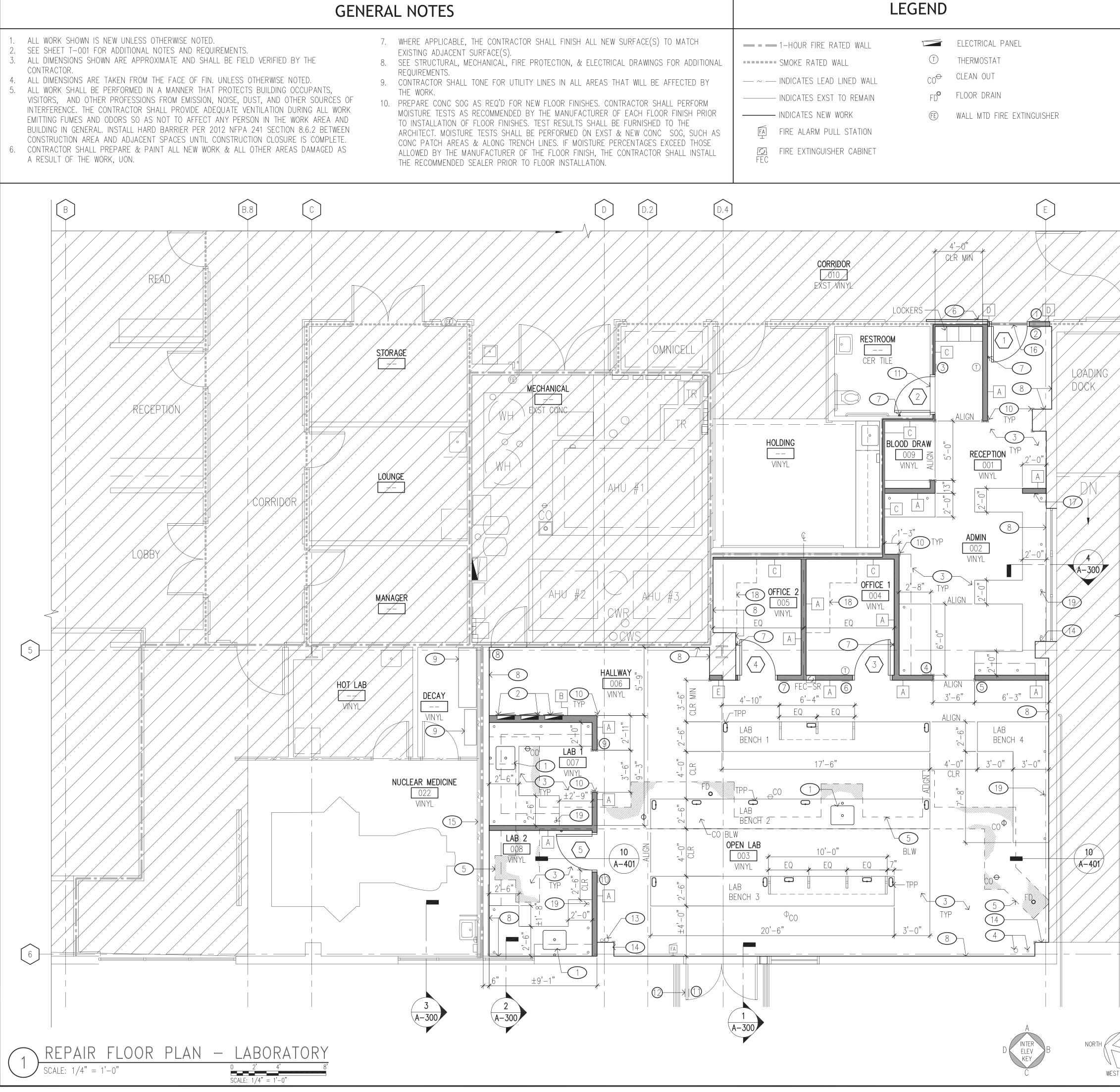
- . SEE SHEET T-001 FOR ADDITIONAL NOTES & REQUIREMENTS.
- 3. EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. VERIFY THE EXTENT OF REMOVAL WORK TO PROPERLY ACCOMMODATE THE METHOD OF REQUIRED NEW CONSTRUCTION. ADDITIONAL REMOVAL & PATCHING
- NEEDED TO MEET PRODUCT & MANUFACTURER'S REQUIREMENTS & CONSTRUCTION TOLERANCES IN ORDER TO MEET THE MINIMUM & MAXIMUM REQUIREMENTS AS SPECIFIED & INDICATED IN THE DRAWINGS
- BY THE CONTRACTOR.

- DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
- ACCOMMODATE THE WORK.
- RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING INFRASTRUCTURE.
- EXCAVATION WORK TO RELOCATE BURIED INFRASTRUCTURE.
- WORK AREA DURING CONSTRUCTION.



						WAII HEALTH S ORPORA 7	
						Quality Healthcare j	for All
	KEYNOTE	KEYNOTES (T	HIS SHEET)		79–101	9 haukapila stf kua, hawaii 96	REET
	NO.	ADDITIVE ALTERNATE NO. 1 – REMOVE IN ULTRASOUND, OFFICE, COPY ROOM, MAINTENANCE SPACE, AND MENS LOCK SEE MECH DWGS.	DUCT WRAP INSULATION COMPLETE STORAGE 1, STORAGE 2,		ХЧС	ADDRESS	
	B	ADDITIVE ALTERNATE NO. 2 – REMOVE FOR RELOCATION OF REHEAT SUPPLY GYP BD, CUT AND DEMO. IF CEILING IS TEMPORARILY REMOVE AND SALVAGE,	AND RETURN LINES. IF CEILING IS 5 ACOUSTICAL CEILING TILE,)RAT)
	\bigcirc	ADDITIVE ALTERNATE NO. 2 – CUT AN AS REQUIRED FOR THE PENETRATIONS LINES, SEE MECH DWGS.			DR(- - -
REMOVED HED		ADDITIVE ALTERNATE NO. 2 — TEMPOR DEVICES AFFECTED BY THE RELOCATIO LINES WORK, SEE MECH DWGS.				MISCEL	
				-	NFW		
						_	
					10.	REVISION	DATE
				54	7 ERSKINE	ECTS, INC. ARCHITECT , SUITE 4 HONOLUL www.erskine <i>a</i>	J, HI. 96819
				ĸ	EYPLAN:	K. ERST LICENSED PROFESSIONAL ARCHITECT No. 10192	
					The	CENSE EXPIRES APRIL 30, 2024 SIGNATURE PREPARED BY ME OR D CONSTRUCTION OF THIS MY OBSERVATION. (OBSERVATION. (OBSERVATION. (OBSERVATION.) S DEFINED IN CHAPTER TO NISTRATIVE RULES, DEPAID C CONSUMER AFFAIRS NGINEERS, ARCHITECTS, S ARCHITECTS).	
				BUILDING		_	
				Р	ROJECT NO. DRAWN BY: DATE:	19–16.1 KK, KA JUNE 2022	
				DRAWING	SCALE: TITLE:	AS SHOWN ADDITIVE ALTERNATE N DEMOLITION RCP	D. 1 & 2 -
					NUMBER:	A-11	3

- CONTRACTOR.
- CONSTRUCTION AREA AND ADJACENT SPACES UNTIL CONSTRUCTION CLOSURE IS COMPLETE.
- A RESULT OF THE WORK, UON.
- EXISTING ADJACENT SURFACE(S).
- REQUIREMENTS.



			4	ਙਃਙਜ਼	WAII HEALTH SY DRPORAT Quality Healthcare fo	ION
					Kona	
					9 HAUKAPILA STRI	
	KEYNOTE NO.	KEYNOTES (THIS SHEET)			EKUA, HAWAII 967 address	
_		INTEGRAL BLACK EPOXY RESIN SINK, SEE MECH DWGS.		\geq	_	
	2	(3) ELEC PANELS, SEE ELEC DWGS.			\sim	
	3	PATCH & REPAIR TRENCHED AREAS OF SOG. LEVEL & PREP ENTIRE FLOOR. INSTALL FLOORING AND WALL BASE. SEE SPECS FOR MOISTURE TESTING REQMTS.		RAT	$\bigcap_{i=1}^{n}$	
	4	EXST FIRE RISER VALVE.		\subset	л И И И И И И И И И И И	
	5	APPROX EXTENT OF REPAIRED CONC SOG BLW.		\triangleleft		
	6	REINSTALL WALL GUARD.				
	(7)	DOOR STOP.				
	8	PATCH & REPAIR GYP BD/CONC WALL & COLUMN, AS REQUIRED. REINSTALL CASEWORK AND STORAGE, AS REQUIRED FOR FIRE				
		DAMPER INSTALLATION.				
		CORNER GUARD, TYP.		\subset		
	(11)	STONE THRESHOLD. NOT USED.			\leq	
	 (12) (13) 	EXST PLUMBING, SEE MECH DWGS.		NFW	-	
	(14)	EXST CONC COLUMN.			_	
	(15)	LEAD-LINED WALL, FIELD VERIFY HEIGHT OF LEAD LINING PRIOR TO FIRE DAMPER INSTALLATION.				
	(16)	VINYL TRANSITION STRIP.				
	17	ALIGN PARTITION W/ PARTITION AT BLOOD DRAW.	┝			
	(18)	OFFICE FF&E OFOI.		NO.	REVISION	DATE
	(19)	GROMMET ± 2 " DIAMETER – COORDINATE LOCATIONS W/ OWNER.			ECTS, INC.	
					ARCHITECTS	
			(8)	08) 833-8891	www.erskinear	chitects.com
]	
			ĸ	EYPLAN:		
				FRE	LICENSED Z PROFESSIONAL T	
				*	ARCHITECT No. 10192	
				THIS LI	CENSE EXPIRES APRIL 30, 2024	
				The	K.E.	<u> </u>
				WILL BE LINDED	PREPARED BY ME OR U CONSTRUCTION OF THIS MY OBSERVATION. (OBSERV S DEFINED IN CHAPTER 16 NISTRATIVE RULES, DEPART O CONSUMER AFFAIRS I OGINEERS, ARCHITECTS, SU ARCHITECTS).	
			L	PROFESSIONAL EI AND LANDSCAPE	ACCHITECTS, ARCHITECTS, SU ARCHITECTS).	JRVEYORS
			BUILDING		_	
			L	PROJECT NO.	19–16.1	
			Γ	DRAWN BY: DATE:	KK, KA JUNE 2022	
			DRAWING	SCALE:	AS SHOWN REPAIR FLOOR PLAN –	
			DR			
				NUMBER:	A-120	

GENERAL NOTES

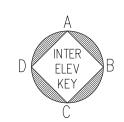
6. CONTRACTOR SHALL PREPARE & PAINT ALL NEW WORK & ALL OTHER AREAS DAMAGED AS 1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED. 2. SEE SHEET T-001 FOR ADDITIONAL NOTES AND REQUIREMENTS. A RESULT OF THE WORK, UON. 3. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE 7. WHERE APPLICABLE, THE CONTRACTOR SHALL FINISH ALL NEW SURFACE(S) TO MATCH CONTRACTOR. EXISTING ADJACENT SURFACE(S). 4. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED. 8. SEE STRUCTURAL, MECHANICAL, FIRE PROTECTION, & ELECTRICAL DRAWINGS FOR 5. ALL WORK SHALL BE PERFORMED IN A MANNER THAT PROTECTS BUILDING OCCUPANTS, ADDITIONAL REQUIREMENTS. VISITORS, AND OTHER PROFESSIONS FROM EMISSION, NOISE, DUST, AND OTHER SOURCES 9. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS THAT WILL BE AFFECTED BY OF INTERFERENCE. THE CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION DURING ALL THE WORK. WORK EMITTING FUMES AND ODORS SO AS NOT TO AFFECT ANY PERSON IN THE WORK AREA AND BUILDING IN GENERAL. INSTALL HARD BARRIER PER 2012 NFPA 241 SECTION 8.6.2 BETWEEN CONSTRUCTION AREA AND ADJACENT SPACES UNTIL CONSTRUCTION CLOSURE IS COMPLETE. B.8 С STØRAGE LÓUNGÉ MANAGER HOT LAB **DECAY** 8'-0" ACT \boxtimes (13)• <u>v</u> 6 FLUSH CONNECTION \bigcirc i O ' NUCLEAR MEDICINE O ACT LAB 2 FLUSH CONNECTION- $\langle L1 \rangle$ 4 REPAIR REFLECTED CEILING PLAN – LABORATOR SCALE: 1/4" = 1'-0"0 2' 4' SCALE: 1/4'' = 1'-0'

INSTALL FIRE DAMPER & CONNECT TO DUCT PER MANUFACTURER'S RECOMMENDATIONS. PATCH & REPAIR WALL FIRE DAMPER PENETRATION. 2. WRAP EXPOSED AREAS OF DUCT WITH INSULATION. WITHOUT AFFECTING CODE REQUIREMENTS FOR THE FIRE DA

FIRE DAMPER NOTES (THIS SHEET)

- INSTALLATION. 3. INSTALL/PATCH & REPAIR GYP BD CEILING. MATCH EXISTING FINISH.
- 4. REINSTALL CASEWORK, SINK, & WALL MOUNTED DEVICES, AS REQUIRED FOR FIRE DAMPER INSTALLATION. MAT EXISTING FINISH.
- 5. INSTALL/REINSTALL SUSPENDED ACOUSTICAL CEILING TILE.
- 6. INSTALL/REINSTALL CEILING DEVICES & FIXTURES AFFECTED BY THE FIRE DAMPER INSTALLATION. 7. PATCH & REPAIR PORTION OF GYP BD WALL AROUND DUCT PENETRATION AFTER FIRE DAMPER INSTALLATION / SEE MECH DWGS.

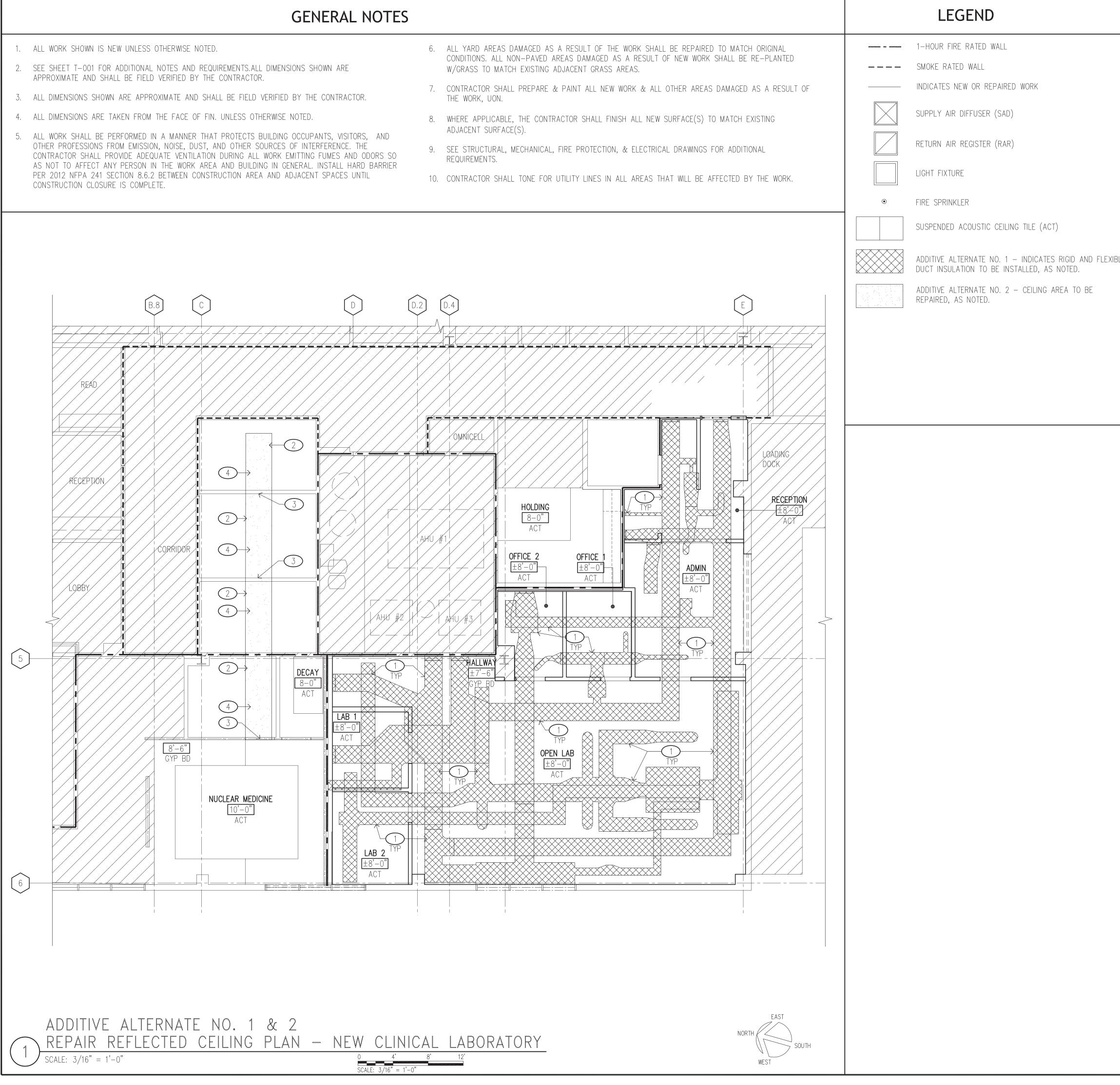
D $D.2$	D.4	E
	Image: Solution of the second seco	
OMNICELL	RESTROOM	LØADING DOCK
MECHANICAL OPEN AHU #1	HOLDING HOLDING HOLDING HOLDING ACT OFFICE 2 OFFICE 2 OFFICE 1	● 16 ■ ■ ■<
CLG FRAMING 1 PLAN A-401 AHU #2 AHU #3 1 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4		S ADMIN 8'-0" ACT ACT ↓ 15 ↓ 12 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
$HALLWAY \qquad \qquad$		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		



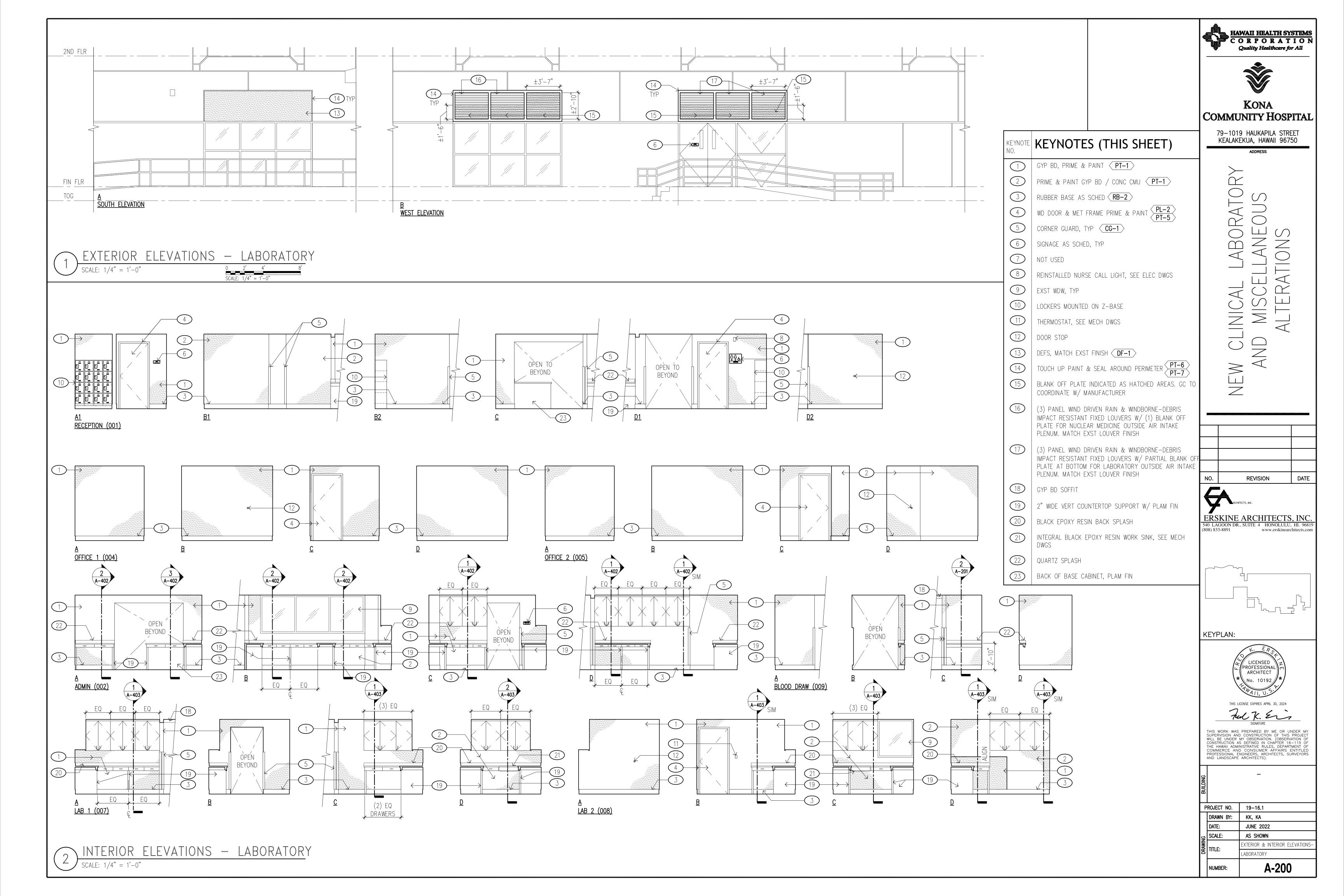
L AROUND					WAII HEALTH SYSTEMS O R P O R A T I O N Quality Healthcare for All
DAMPER					Ň
CH					KONA
AS REQ.					9 HAUKAPILA STREET
	KEYNOTE NO.	KEYNOTES (THIS SHEET)		9 HAUKAPILA STREET EKUA, HAWAII 96750 address
	$ \begin{array}{c} 1\\ 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	OTHER CEILING MOUNTED DEVICE PATCH & REPAIR WALL PENETR SEE MECH DWGS. LOUVER FOR OUTSIDE AIR INTAK UP PAINT AROUND PERIMETER TPP, TYP. SEE ELEC DWGS. GYP BD SOFFIT. REINSTALL NURSE CALL LIGHT. SEE FIRE DAMPER NOTES: 1, 2, SEE FIRE DAMPER NOTES: 1, 2, ACT CEILING, GRID, & CEILING M FIELD VERIFY IF WALL IS LEAD HEIGHT IS GREATER THAN 8'-2 THE START OF WORK. GC SHALL	NG GRID, PANELS, LIGHT FIXTURES, & ES AS NECESSARY. ATION FOR REHEAT PIPE PENETRATION (KE PLENUM, SEE MECH DWGS. TOUCH TO MATCH EXST. 4, 5, 6, & 7. 3, 6, & 7. 5, 6, & 7. 5, 6, & 7. 6, & 7. ATD DEVICES/FIXTURES. LINED. IF LEAD LINING EXISTS AND ", NOTIFY THE ARCHITECT PRIOR TO L BE RESPONSIBLE FOR THE PROPER D WALLS AFFECTED BY THE WORK. LEAD ABATEMENT & HANDLING R, SEE MECH DWGS.	NFW CLINICAL LABORATORY	AND MISCELLANEOUS ALTERATIONS
		OUTLINE OF LAB BENCHES BLW.			
		LEG	END	NO.	REVISION DATE
		EXST 1-HOUR FIR EXST SMOKE RAT INDICATES EXST L INDICATES EXST I INDICATES NEW W	ED WALL LEAD LINED WALL TO REMAIN	ERSKINE	TECTS, INC. ARCHITECTS, INC. ., SUITE 4 HONOLULU, HI. 96819 www.erskinearchitects.com
		EXIT LIGHT, WALL W/ EMERGENCY L			
		© SMOKE DETECTOR			
		JUNCTION BOX AE△ EMERGENCY LIG		KEYPLAN:	
		SUPPLY AIR DIFFU	JSER (SAD)	KETF LAN.	LICENSED Z
		RETURN AIR REGI	STER (RAR)	(LL (*	PROFESSIONAL ARCHITECT No. 10192
		2'x2' SUSPENDED CEILING TILE (AC			ICENSE EXPIRES APRIL 30, 2024
		GYP BD CEILING		THIS WORK WAS	SIGNATURE
		LIGHT FIXTURE		COMMERCE ANI PROFESSIONAL E AND LANDSCAPE	MY OBSERVATION. (OBSERVATION OF S DEFINED IN CHAPTER 16–115 OF NISTRATIVE RULES, DEPARTMENT OF D CONSUMER AFFAIRS ENTITLED NGINEERS, ARCHITECTS, SURVEYORS ARCHITECTS).
		© RECESSED LIGH	T FIXTURE	BUILDING	-
		FIRE ALARM HO	RN W/ STROBE		
		NURSE CALL LI	GHT	PROJECT NO. DRAWN BY:	19—16.1 КК, КА
		• FIRE SPRINKLEF		DATE: SCALE:	JUNE 2022 AS SHOWN
	(S) CEILING MOUNTI	ED SPEAKER	SCALE: NIMEZ TITLE:	REPAIR RCP – LABORATORY
				NUMBER:	A-121

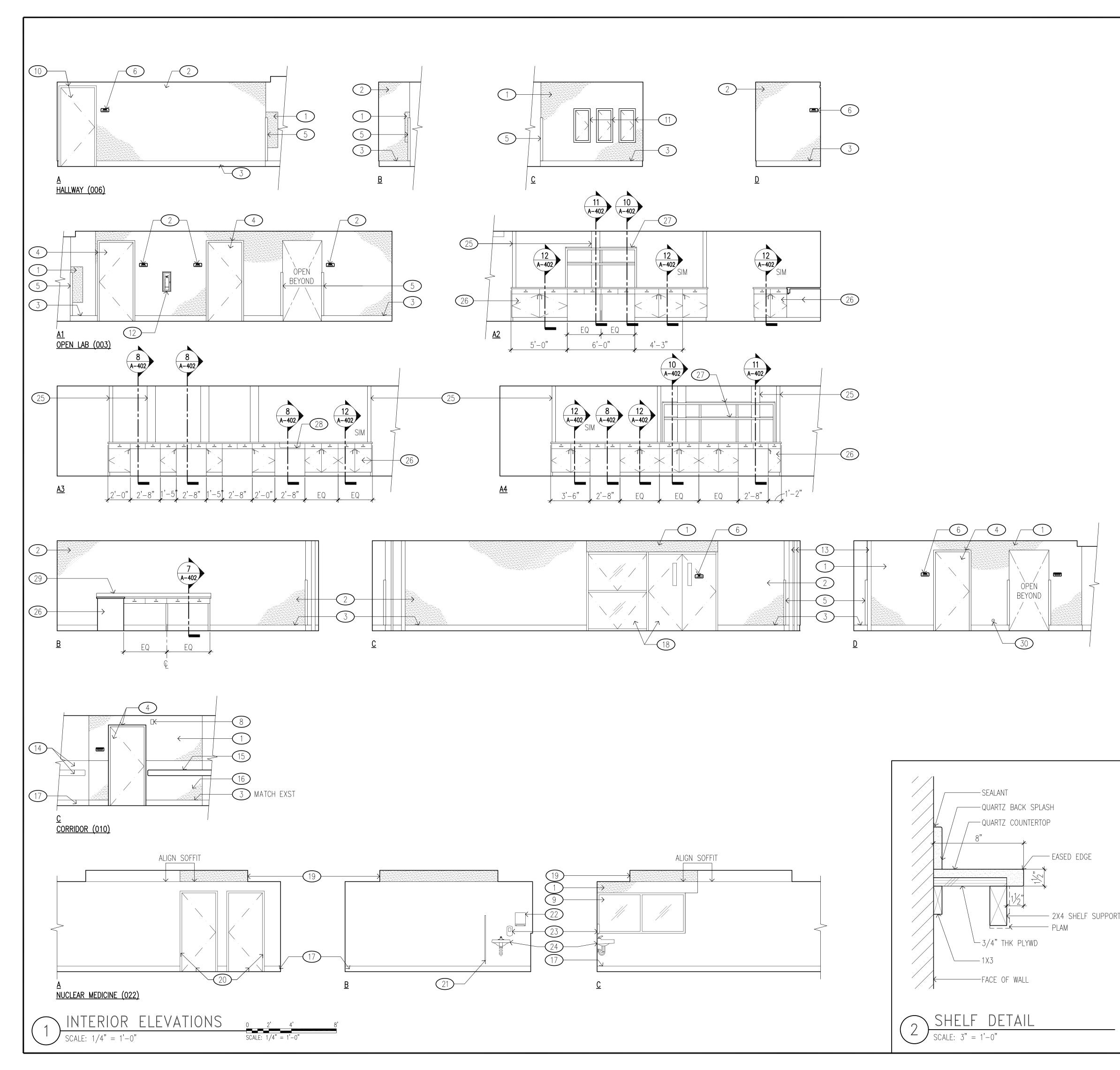
- APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

- OTHER PROFESSIONS FROM EMISSION, NOISE, DUST, AND OTHER SOURCES OF INTERFERENCE. THE PER 2012 NFPA 241 SECTION 8.6.2 BETWEEN CONSTRUCTION AREA AND ADJACENT SPACES UNTIL CONSTRUCTION CLOSURE IS COMPLETE.
- THE WORK, UON.
- REQUIREMENTS.

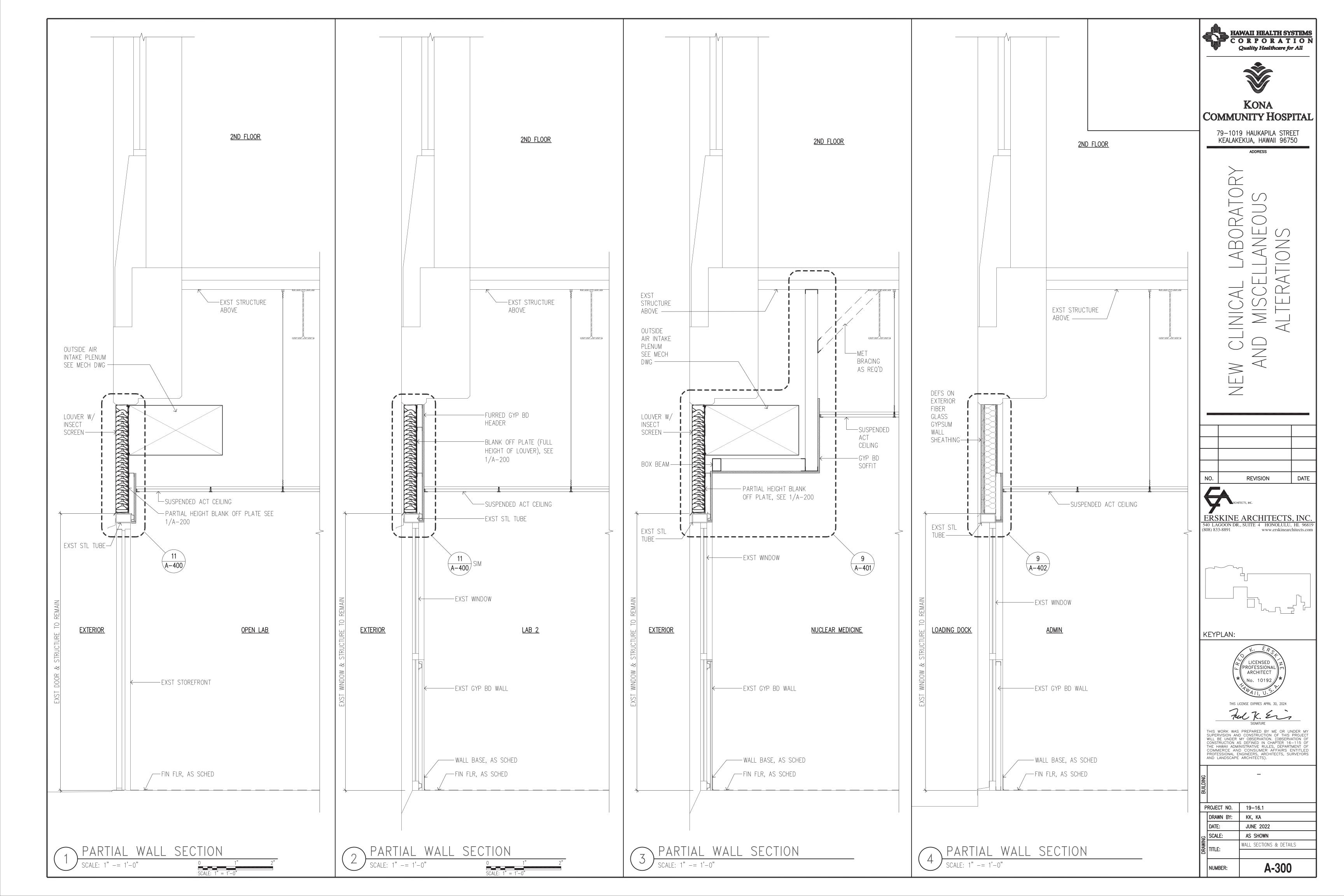


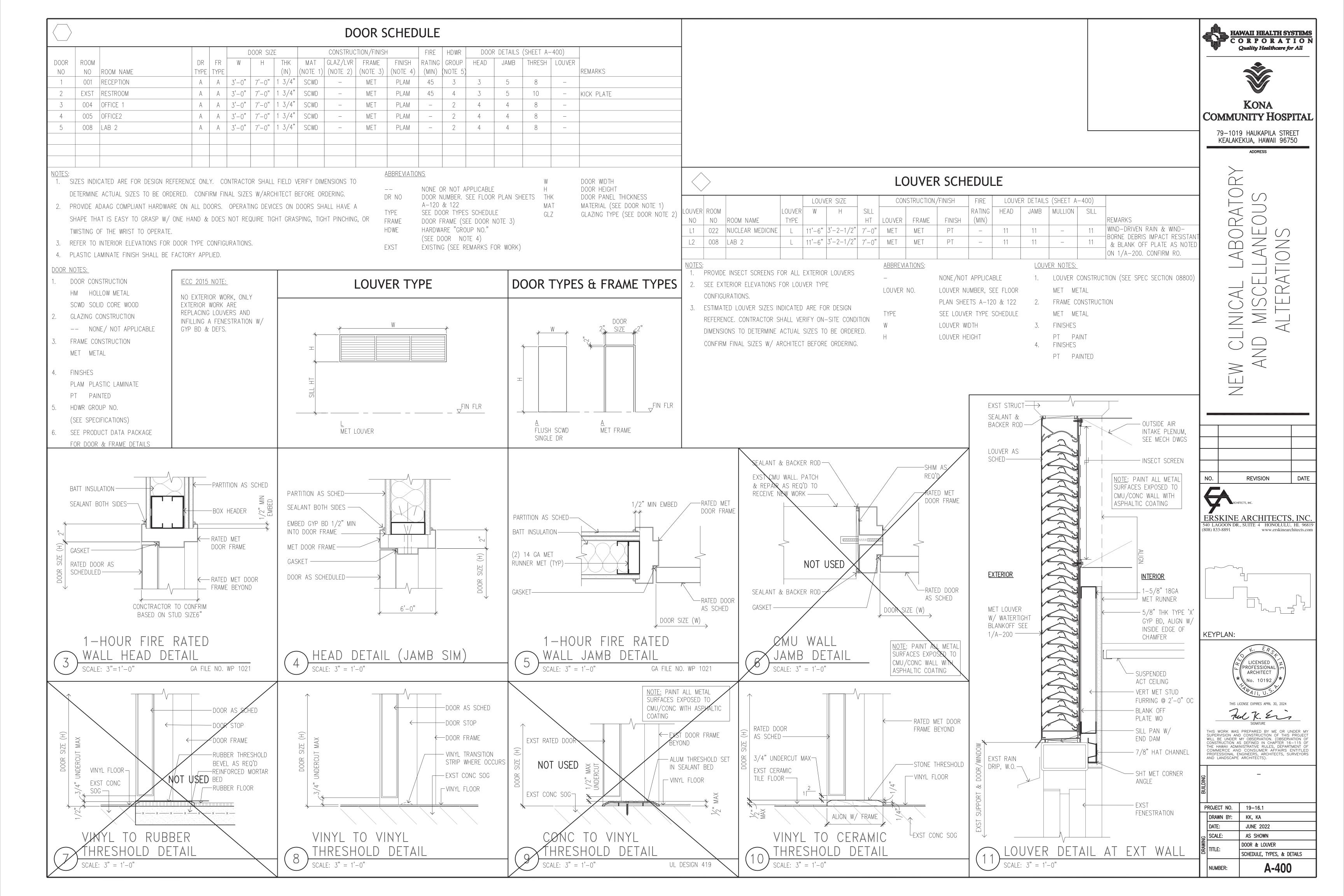
				IAWAII HEALTH SYSTEMS CORPORATION Quality Healthcare for All
			Сомм	KONA IUNITY HOSPITAI
KEYN NO.	KEYNOTES (1	THIS SHEET)		019 HAUKAPILA STREET AKEKUA, HAWAII 96750 address
	WITHIN THE NEW CLINICAL LABORATOR OFFICE 1, OFFICE 2, LAB 1, LAB 2, A ROOM (ULTRASOUND & RESTROOM). S	BLE DUCT INSULATION AT DUCT JOINTS Y (RECEPTION, ADMIN, OPEN LAB, ND HALLWAY) AND NEW ULTRASOUND		
KIBLE	BY THE RELOCATION OF REHEAT SUPF CEILINGS, PATCH, REPAIR, & PAINT. F REINSTALL, SEE MECH DWGS.	PLY AND RETURN LINES. FOR GYP BD		
3	ADDITIVE ALTERNATE NO. 2 – PATCH AFFECTED BY REHEAT SUPPLY AND R SEALANT AROUND ALL PENETRATIONS THROUGH FIRE-RATED WALL ASSEMBL	AND FIRE STOP PENETRATIONS	-	L LA RATIO RATIO
4	ADDITIVE ALTERNATE NO. 2 – REINST AFFECTED BY THE RELOCATION OF RE SEE MECH DWGS.			D MISC ALTER
			T ERSKIN	REVISION DATE RCHITECTS, INC. EARCHITECTS, INC DR., SUITE 4 HONOLULU, HI. 9681 www.erskinearchitects.com
			KEYPLAN	LICENSED PROFESSIONAL ARCHITECT No. 10192 HAII, U.S. IS LICENSE EXPIRES APRIL 30, 2024
				SIGNATURE VAS PREPARED BY ME OR UNDER MY AND CONSTRUCTION OF THIS PROJECT ER MY OBSERVATION. (OBSERVATION OF N AS DEFINED IN CHAPTER 16–115 OF DMINISTRATIVE RULES, DEPARTMENT OF AND CONSUMER AFFAIRS ENTITLED _ ENGINEERS, ARCHITECTS, SURVEYORS APE ARCHITECTS).
			PROJECT NO.	19–16.1
			DRAWN BY: DATE:	КК, КА JUNE 2022
			SCALE: TITLE:	AS SHOWN ADDITIVE ALTERNATE NO. 1 & 2 - REPAIR RCP
			NUMBER:	A-123

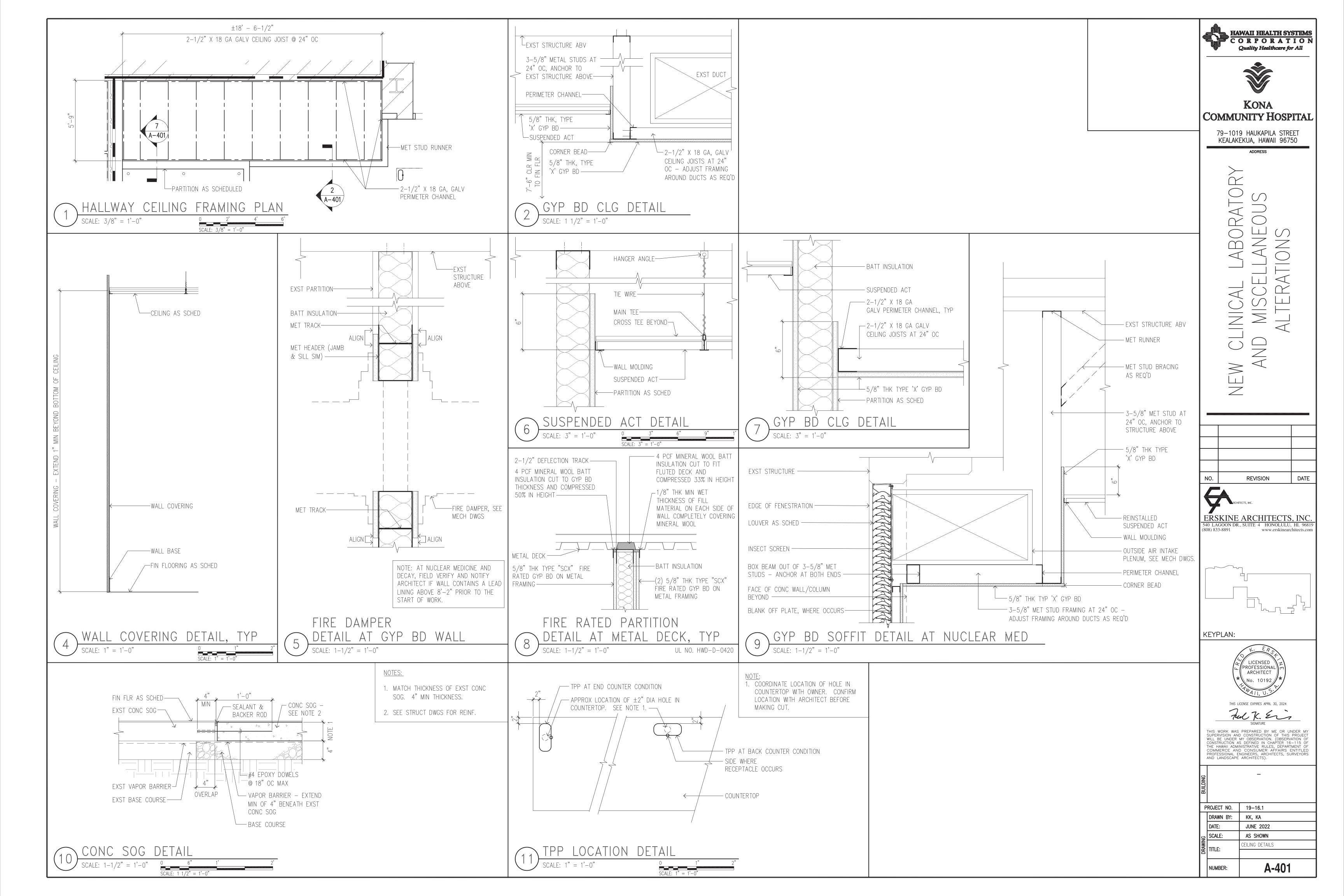


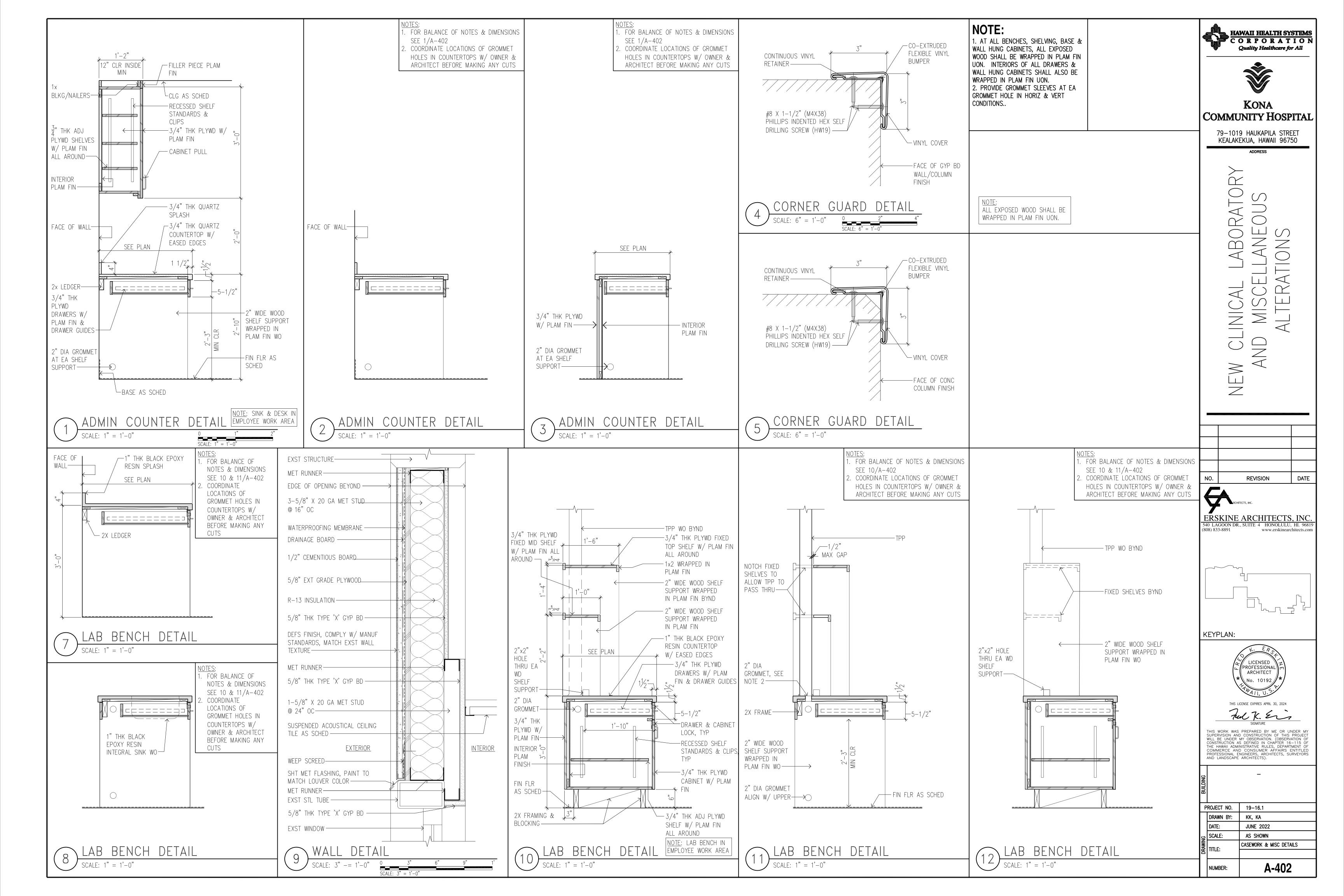


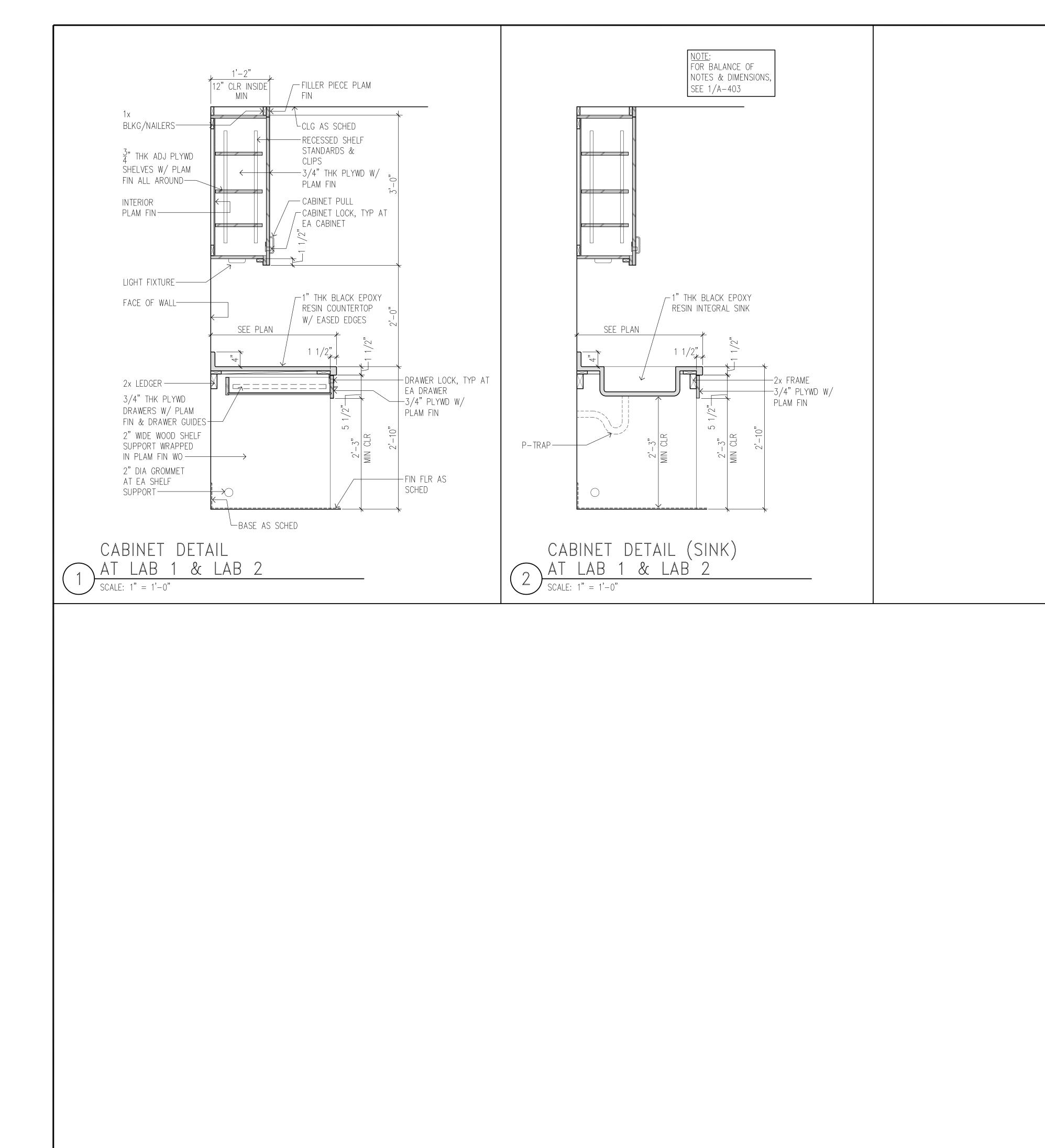
		HAWAII HEALTH SYSTEMS C O R P O R A T I O N Quality Healthcare for All
		KONA COMMUNITY HOSPITAL
KEYNOTE NO.	KEYNOTES (THIS SHEET)	79–1019 HAUKAPILA STREET KEALAKEKUA, HAWAII 96750 address
(1)	GYP BD, PRIME & PAINT PT-1	
(2)	PRIME & PAINT GYP BD / CONC CMU < PT-1 >	
$\overline{3}$	RUBBER BASE AS SCHED RB-2	1 2 1 1 1 1 1 1 1 1 1 1
(4)	WD DOOR & MET FRAME PRIME & PAINT PL-2	
$\overline{5}$	CORNER GUARD, TYP $\langle CG-1 \rangle$	
	SIGNAGE AS SCHED, TYP	
$\overline{7}$	EXST CMU, PRIME & PAINT < PT-1 >	
8	REINSTALLED NURSE CALL LIGHT, SEE ELEC DWGS	
9	EXST WDW, TYP	
	EXST MET DOOR & FRAME PRIME & PAINT (PT-5)	$\square \bigcirc \square \square$
	ELEC PANEL, SEE ELEC DWGS $\langle PT-5 \rangle$	$ \qquad \qquad$
	SEMI-RECESSED FIRE EXTINGUISHER CABINET, SEE FIRE PROTECTION DWGS	
13	EXST PIPES TO REMAIN $\langle PT-5 \rangle$	$ $ $> \leq$
	EXST WALL GUARD & WALL COVERING	
(15)	REINSTALL WALL GUARD	
	WALL COVERING TO MATCH EXST	
	EXST RUBBER BASE	
	EXST RUBBER DASE EXST STOREFRONT TO REMAIN	
19	SOFFIT, ALIGN W/EXST, PRIME & PAINT TO MATCH EXST $\langle PT-1 \rangle$	
(19)		
(20)	EXST DOOR AND FRAME	NO. REVISION DATE
(21)	EXST DIVIDER PANEL TO REMAIN	RCHITECTS, INC.
	EXST PAPER TOWEL DISPENSER	ERSKINE ARCHITECTS, INC.
(23)	EXST SOAP DISPENSER	540 LAGOON DR., SUITE 4HONOLULU, HI. 96819(808) 833-8891www.erskinearchitects.com
(24)	EXST LAVATORY	
(25)	TPP	
(26)	LAB BENCH BASE CABINET W/ PLAM FIN	
(27)	LAB BENCH UPPER SHELVING W/ PLAM FIN	
28	INTEGRAL BLACK EPOXY RESIN WORK SINK, SEE MECH DWGS	
29	BLACK EPOXY RESIN BACK SPLASH	
30	WALL CLEAN OUT, SEE MECH DWGS	KEYPLAN:
		Image: Second State Sta
		LABORATORT & ULIKASUUND





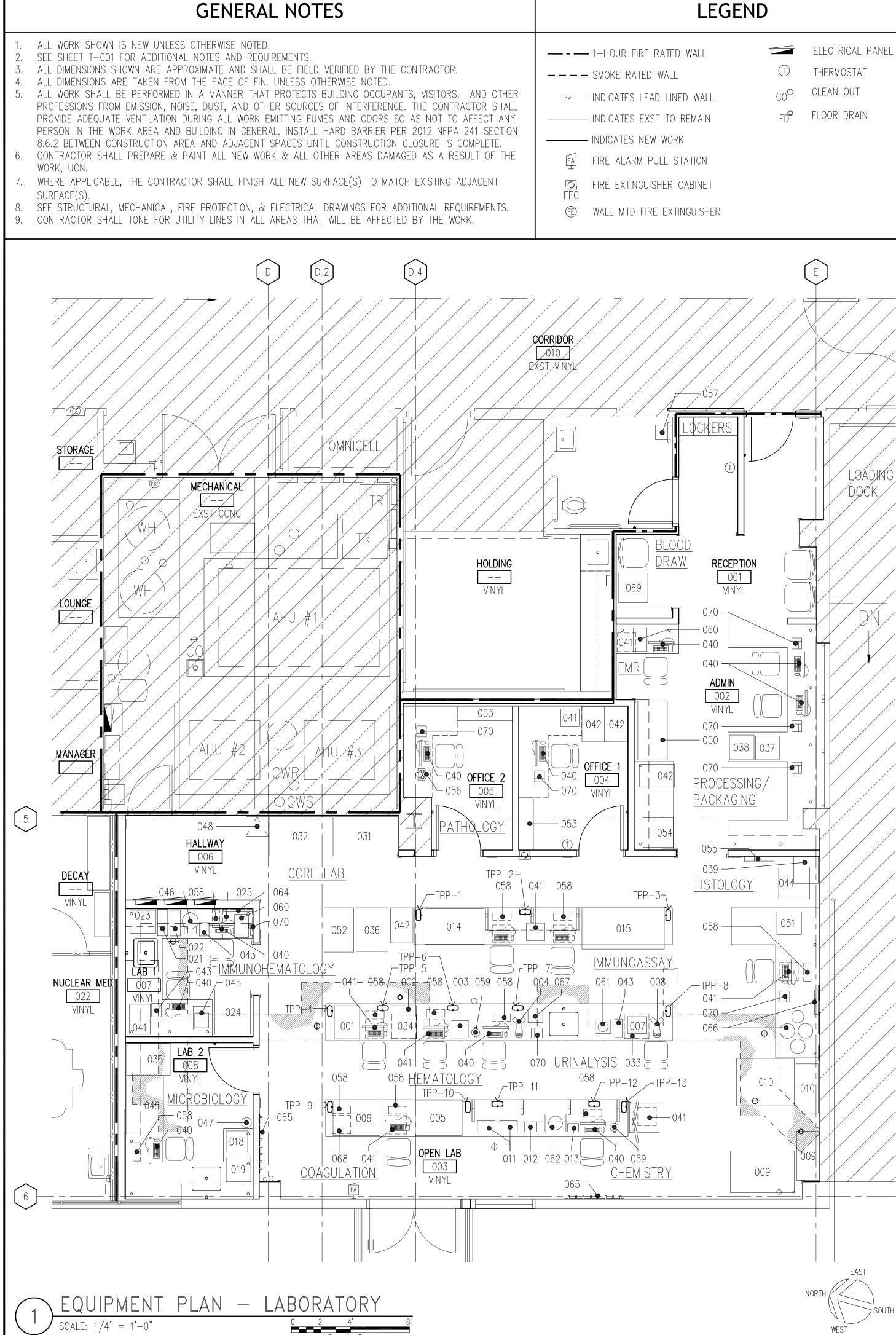






NOTE:
1. AT ALL BENCHES, SHELVING, BASE & WALL HUNG CABINETS, ALL EXPOSED WOOD SHALL BE WRAPPED IN PLAM FIN UON. INTERIORS OF ALL DRAWERS & WALL HUNG CABINETS SHALL ALSO BE WRAPPED IN PLAM FIN UON.
2. PROVIDE GROMMET SLEEVES AT EA GROMMET HOLE IN HORIZ & VERT CONDITIONS.

HAWAII HEALTH SYSTEMS C O R P O R A T I O N Quality Healthcare for All Ŷ KONA COMMUNITY HOSPITAL 79–1019 HAUKAPILA STREET KEALAKEKUA, HAWAII 96750 ADDRESS BORATORY CELLANEOUS Rations \triangleleft MISCELI _____ $\left| \right\rangle$ CLINIC/ \exists AND NEW DATE NO. REVISION CHITECTS, INC ERSKINE ARCHITECTS, INC 540 LAGOON DR., SUITE 4 HONOLULU, HI. 9681 (808) 833-8891 www.erskinearchitects.con KEYPLAN: LICENSED PROFESSIONAL ARCHITECT . 10192 THIS LICENSE EXPIRES APRIL 30, 2024 Ful K. En THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 16-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTILLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS). PROJECT NO. 19-16.1 DRAWN BY: KK, KA DATE: JUNE 2022 SCALE: AS SHOWN CASEWORK DETAILS TITLE: A-403 NUMBER:



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

ted wall
\LL
INED WALL
TO REMAIN
ORK
STATION

											HAWAII HEALTH SYSTEMS C O R P O R A T I O N Quality Healthcare for All
NOTE:											
1. The IND 2. Dou	E LIGHT COLORED FFE ITEMS BELOW ARE NOT ICATED ON THE EQUIPMENT PLAN. JBLE "X" IN THE IT COLUMN INDICATES TWO TA DROPS.										KONA COMMUNITY HOSPITAL
		EQ	UIPM	ENT SCHED	ULE						79–1019 HAUKAPILA STREET KEALAKEKUA, HAWAII 96750 address
FFE NO.	DESCRIPTION	EXST LOCATION NAME	ROOM NO	NEW LOCATION D. NAME	ELEC	UTILITIES GAS HVAC	F IT TELE CFC	PROVIDED	BY OFOI	REMARKS	
LAB 001 002	SYSMEX XN1000-BR-01 HEME ANALYZER SYSMEX XN100-R-01 HEME ANALYZER	LAB	003	HEMOTOLOGY HEMOTOLOGY	X		X X		X		
003	ALCOR ISED	LAB	003	HEMOTOLOGY	X				X		
004 005	OLYMPUS BX41 MICROSCOPE STAGO COMPACT MAX ANALYZER	LAB LAB	003	HEMOTOLOGY COAGULATION	X X		X		X X		
006 007	STAGO COMPACT ANALYZER CLINITEK ADVANTUS	LAB	003	COAGULATION URINALYSIS	X		X		X		
007	OLYMPUS BX40 MICROSCOPE	LAB	003	URINALYSIS	X				X		
009 009A	ROCHE C311 COBAS 4000 ANALYZERCOBAS/ANTRHO 311 CONTROL UNIT TABLE	LAB	003	CHEMISTRY CHEMISTRY	X		X X		X	DRAIN REQUIRED	
010	ROCHE C501	LAB	003	CHEMISTRY	X		X X		X	DRAIN REQUIRED	
011 012	OPTI CCA-TS BLOOD GAS (2) AVOXIMETER 4000	LAB	003	CHEMISTRY CHEMISTRY	X X				X X		
013	HOLOGIC ADEZA TLI ROCHE E411 – DISK ANALYZER	LAB	003	CHEMISTRY IMMUNOASSAY	X		X X		X	DRAIN OPTIONAL	
015	ROCHE E411 – RACK ANALYZER	LAB	003	IMMUNOASSAY	X		X X		X	DRAIN OPTIONAL	
016	THERMO CYTOSPIN 4 NO MICRO-ONLY GRAM STAINS/PLATING ON SITE	LAB		CYTOLOGY MICROBIOLOGY					X	LOCATED IN MORGUE	
018	NAPCO (5400) CO2 INCUBATOR	LAB	008	MICROBIOLOGY	X				Х		\geq
019	NAPCO (310) 42 INCUBATOR ORTHO GEL SYSTEM	LAB	008 007	MICROBIOLOGY IMMUNOHEMATOLOGY	X		X X		X	COMBINED WITH 045	
021	GENESIS 2002 PLASMA THAWING	LAB	007	IMMUNOHEMATOLOGY IMMUNOHEMATOLOGY	X				X		
022	CYTOTHERM 45 PLASMA THAWING HELMER PLATELET INCUBATOR/ROTATOR PC100i	LAB	007	IMMUNOHEMATOLOGY	X				X		
024	JEWETT BLOOD BANK REFRIGERATOR BBR25 BLOOD PLASMA FREEZER BPL 406	LAB	007	IMMUNOHEMATOLOGY IMMUNOHEMATOLOGY	X				X		
026	LEICA RM 2135 MICROTOME	LAB	-	HISTOLOGY					X	LOCATED IN MORGUE	
027 028	SHANDON HISTOCERNTRE 3 EMBEDDINGTISSUE-TEK VIP6Ai TISSUE PROCESSOR	LAB	-	HISTOLOGY HISTOLOGY					X	LOCATED IN MORGUE	
029 030	THERMO SCIENTIFIC CRYOTOME E MICROSCOPE ZEISS	LAB	-	HISTOLOGY HISTOLOGY					X	LOCATED IN MORGUE	
031	FISHER SCIENTIFIC ISOTEMP PLUS (DOUBLE DOOR) #1	LAB	006	CORE LAB	Х				X		NO. REVISION DATE
032	FISHER SCIENTIFIC ISOTEMP PLUS (DOUBLE DOOR) #2JEWETT UNDERCOUNTER REFRIGERATOR #1	LAB	006	CORE LAB URINALYSIS	X				X		
034	JEWETT UNDERCOUNTER REFRIGERATOR #2	LAB	003	HEMOTOLOGY	Х				X		ERSKINE ARCHITECTS, INC.
035 036	FISCHER SCIENTIFIC (SINGLE DOOR)FISCHER SCIENTIFIC (SINGLE DOOR UPRIGHT FREEZER)	LAB	008	MICROBIOLOGY CORE LAB	X X				X X		540 LAGOON DR., SUITE 4HONOLULU, HI. 96819(808) 833-8891www.erskinearchitects.com
037 038	PAPER SHREDDER SMALL REFRIGERATOR/FREEZER	LAB	002	ADMINISTRATION ADMINISTRATION	X				X		_
039	SERVER (ABOVE)	LAB	002	HISTOLOGY	X		X	X	^		
040	WORKSTATIONS PRINTERS & MONITORS	LAB	-	VARIOUS VARIOUS	X		X		X		
042	FILING CABINETS	LAB	_	VARIOUS					X		
043	2D LABEL PRINTER/LABELMAKER THERMO SCIENTIFIC CRYOSTAT	LAB	003	VARIOUS HISTOLOGY	X X		X		X		
045	MTS CENTRIFUGE	LAB	007	IMMUNOHEMATOLOGY	Х				X		
046 047	CLAY ADAMS SEROFUGE 2002 PLASMA THAWING CO2 TANK	LAB LAB	007 008	IMMUNOHEMATOLOGYMICROBIOLOGY	X				X X		KEYPLAN:
048	BIOHAZARD WASTE FORMA SCIENTIFIC DUCTLESS HOOD 1128	LAB	006 008	CORE LAB MICROBIOLOGY	 X				X		K. ERST
050	COPIER	LAB	002	ADMINISTRATION	X		Χ		X		LICENSED PROFESSIONAL ARCHITECT
051 052	THELCO MODEL 18 OVEN (RARE USE) ROLLING CART	LAB	003	CORE LAB	X X				X X		★ No. 10192 ★
053	BOOKSHELF	LAB	_	VARIOUS	Х				X		THIS LICENSE EXPIRES APRIL 30, 2024
054 055	THERMO SCIENTIFIC SORVALL ST-16 CENTRIFUGENORSTAT/NORTEL PHONE SYSTEM	LAB	002	PROCESSING HISTOLOGY	X X		Х	X	X		- Ful K. Ers
056 057	MICROSCOPE	LAB		VARIOUS RESTROOM	X X				X		THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT
057	SCALE BACKUP POWER	LAB	-	VARIOUS	X				X		WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 16–115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED
059 060	STATSPIN – CENTRIFUGE INTERMAC LABEL MAKER (BARCODES FOR ALL TESTS)	LAB	003	VARIOUS VARIOUS	X		χ		X		PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).
061	HORIZON 642VES CENTRIFUGE	LAB	003	URINALYSIS	X				X		
062 063	HORIZON 755V-24 CENTRIFUGE PORTABLE AIR CONDITIONER	LAB	003	CHEMISTRY -	X X				X X		
064	HEMA PRO 101 MONITOR (PART OF 25)	LAB	007	IMMUNOHEMATOLOGY	X				X		PROJECT NO. 19–16.1
065 066	LABCOAT RACK WATER FILTRATION SYSTEM	LAB LAB	003	CORE LAB CHEMISTRY	X			X	X		DRAWN BY: KK, KA DATE: JUNE 2022
067 068	ESR TIMER	LAB	003	HEMATOLOGY COAGULATION	X				X		SCALE: AS SHOWN
068	STAGO COMPACT ANALYZER PRINTERBLOOD DRAW CART	LAB	003	RECEPTION	X				X		EQUIPMENT PLAN & EQUIPMENT TITLE: SCHEDULE – LABORATORY
069A 070	PACKAGING TABLE	LAB	001	RECEPTION VARIOUS	X		χ		X		NUMBER: A-500
070	TELEPHONE	LAB	_	VARIOUS	Х		X		Х		

CONCE		TERAL NOTES	STRUCTURAL GEN
ALL CONCRETE UNLESS OTHERWIS TYPE (150#/CU.FT.).	1.	ITERNATIONAL BUILDING CODE AS AMENDED	ALL WORK SHALL CONFORM TO THE 2018 IN BY THE COUNTY OF HAWAII.
ALL PHASES OF WORK PERTAINING TO THE "BUILDING CODE REQUIRE MODIFICATIONS AS NOTED IN THE	2.	N. THE CONTRACTOR SHALL PROVIDE ALL URE, AND ANY ADJACENT NEW OR EXISTING	STRUCTURAL DRAWINGS REPRESENT THE FINIS THE MEANS AND METHODS OF CONSTRUCTION MEANS NECESSARY TO PROTECT THE STRUCT STRUCTURES DURING CONSTRUCTION. SUCH M
SCHEDULE OF STRUCTURAL CONC LOCATION OF STRUCTURE	3.	DS ACTING ON THE STRUCTURE DURING CTURAL ENGINEER DURING CONSTRUCTION	LIMITED TO BRACING AND SHORING FOR LOAD CONSTRUCTION. OBSERVATION BY THE STRUC WILL NOT INCLUDE INSPECTION OF AFOREMEN
SLAB ON GRADE			EXISTING CONDITIONS ARE SHOWN TO THE BE
ALL OTHER CONCRETE		SINEER AND BE RESOLVED BEFORE	SHALL PROMPTLY BE REPORTED TO THE ENG PROCEEDING WITH THE WORK.
PORTLAND CEMENT SHALL CONFOR	4.		PRIOR TO COMMENCEMENT OF CONSTRUCTION
AGGREGATE FOR HARDROCK CONC TESTS OF ASTM C-33 AND PROJ	5.	REPORTED TO THE ENGINEER AND BE	LOCATIONS OF ALL UTILITIES, WHICH MAY BE WITH THE STRUCTURE SHALL PROMPTLY BE F RESOLVED BEFORE PROCEEDING WITH THE WO
CONCRETE MIXES SHALL BE DESIGNALL BE SUBMITTED TO THE STR PRIOR TO POUR.	6.	. THE CONTRACTOR SHALL NOTIFY THE	THE CONTRACTOR SHALL BE SOLELY RESPON ALL TRADES AND VERIFYING ALL DIMENSIONS. ENGINEER OF ALL STRUCTURAL DISCREPANCIE
CONCRETE MIXING OPERATION, ETG	7.		RESOLVED PRIOR TO PROCEEDING WITH THE
PLACEMENT OF CONCRETE SHALL SPECIFICATIONS.	8.	PECS/TYPICAL DETAILS, SAID SPECIAL	SHOULD A DISCREPANCY OCCUR ON THE DRA NOTES/SPECIAL DETAILS, AND THE TYPICAL S NOTES/SPECIAL DETAILS SHALL TAKE PRECED
UNLESS OTHERWISE NOTED ON TH CONCRETE OVER OUTER REINFO A. CONCRETE POURED DIRECTLY	9.	ALLY SHOWN OR NOTED.	APPLY IN ALL CONDITIONS UNLESS SPECIFICA SEE ARCHITECTURAL, ELECTRICAL AND MECHA LOCATIONS OF OPENINGS SHOWN ON THE ST
AGAINST EARTH B. WALL FACES: EXPOSED TO EARTH WITH FORMED SURFACES OR EXPOSED TO WEATHER		ENSION GREATER THAN 2" THAT ARE NOT PROHIBITED UNLESS APPROVED IN WRITING TION SHALL BE ALLOWED THROUGH ANY	PENETRATIONS AND OPENINGS WITH ANY DIME SHOWN ON THE STRUCTURAL DRAWINGS ARE BY THE STRUCTURAL ENGINEER. NO PENETRA STRUCTURAL MEMBER WITHOUT THE APPROVA
INTERIOR FACES C. BEAMS AND COLUMNS: NOT EXPOSED TO EARTH OR WEATHER FORMED AND EXPOSED TO EAR OR WEATHER		DRARILY PLACED ON FLOOR AND/OR ROOF	ANY CONSTRUCTION MATERIAL THAT IS TEMPO FRAMING SHALL BE DISTRIBUTED OVER THE F CONSTRUCTION LOAD DOES NOT EXCEED THE DESIGNED FOR. DESIGN CRITERIA –
STRUCTURAL SLABS		F WFIGHT)	A. DESIGN DEAD LOADS (ADDITIONAL TO SELF
ALL REINFORCING BARS, ANCHOR WELL SECURED IN POSITION PRIO	10.	= 100 PSF = 5 PSF	 FLOOR MECHANICAL & ELECTRICAL B. WIND
PROJECTING CORNERS OF BEAMS, BE FORMED WITH 3/4" CHAMFEF DRAWINGS.	11.	150 MPH C METHOD 2 (ANALYTICAL)	BASIC WIND SPEED EXPOSURE CATEGORY PRIMARY FRAME DESIGN METHOD
PROVIDE SLEEVES FOR PLUMBING PLACING. DO NOT CUT ANY REIN CONCRETE IS NOT PERMITTED EXC IN ADVANCE OF CONDITIONS NOT	12.	ENCLOSED III D 1.848 g	BUILDING CLASSIFICATION C. SEISMIC OCCUPANCY CATEGORY SITE CLASS Sds
CONDUIT OR PIPE SIZE (O.D.) TH	13.	1.19 g	Sd1 SEISMIC DESIGN CATEGORY
EXCEED 25 PERCENT OF SLAB TH AND BOTTOM REINFORCING UNLES CONCENTRATIONS OF CONDUITS O OPENINGS ARE PROVIDED.			THE GENERAL CONTRACTOR AND ITS SUBCON REQUESTS FOR MODIFICATIONS TO THE PLANS
DO NOT USE CONCRETE ADMIXTUR	14.		
ALL ROUGHENED SURFACES IN CO	15.		

1. THE FOUNDATION DESIGN WAS BASED ON THE ASSUMPTIONS PRESENTED BELOW IN THE
ABSENCE OF A SOILS REPORT:
ALLOWABLE SOIL BEARING PRESSURE
ALLOWABLE PASSIVE EARTH RESISTANCE= 1500 PSF
= 150 PCF
= 0.4 x DEAD LOAD

2. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN THE BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS. FLOODING IS PROHIBITED.

3. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER, OR SEEPAGE.

CONCRETE NOTES

ESS OTHERWISE NOTED SHALL BE REGULAR WEIGHT HARD ROCK

ORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) WITH NOTED IN THE DRAWINGS OR SPECIFICATIONS.

ICTURAL CONCRETE 28-DAY STRENGTH AND TYPES:RUCTURESTRENGTH

4000 PSI

3000 PSI

SHALL CONFORM TO ASTM C-150 TYPE II.

- ARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND -33 AND PROJECT SPECIFICATIONS.
- SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND ED TO THE STRUCTURAL ENGINEER FOR HIS REVIEW 2 WEEKS

DPERATION, ETC. SHALL CONFORM TO ASTM C-94.

ICRETE SHALL CONFORM TO ACI STANDARD 301 AND PROJECT

NOTED ON THE PLANS, MINIMUM CLEAR COVERAGE OF NEW JTER REINFORCING BARS SHALL BE AS FOLLOWS:

ARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE POSITION PRIOR TO PLACING CONCRETE.

RS OF BEAMS, WALLS, COLUMNS, EQUIPMENT PADS, ETC., SHALL 5/4" CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL

FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER NDITIONS NOT SHOWN ON THE DRAWINGS.

SIZE (O.D.) THAT IS BURIED IN ANY CONCRETE SLABS SHALL NOT NT OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP FORCING UNLESS SPECIFICALLY DETAILED OTHERWISE. OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED

RETE ADMIXTURES CONTAINING CHLORIDE OR CHLORIDE SALTS.

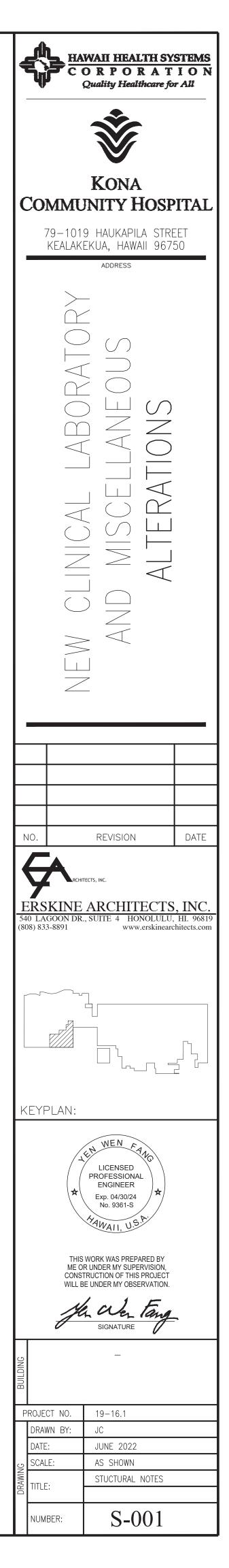
URFACES IN CONCRETE SHALL BE MADE WITH A MINIMUM

REINFORCING STEEL NOTES

- ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318), THE CRSI "MANUAL OF STANDARD PRACTICE," AND THE "ACI DETAILING MANUAL (SP-66) AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.
- 2. REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60 REQUIREMENTS. #4 AND SMALLER BARS MAY BE GRADE 40.
- 3. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
- 4. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- 5. REINFORCING SPLICES SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS.
- 6. DOWELS BETWEEN FOOTING AND WALL OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING, AND NUMBER AS THE VERTICAL REINFORCING RESPECTIVELY, U.O.N.
- 7. WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- 9. REINFORCING BARS SHALL BE AS LONG AS PRACTICABLE AND AS DETAILED AND SHALL BE LAPPED AT SPLICES AND CORNERS NOT LESS THAN 32 BAR DIAMETER (24" MINIMUM), UNLESS OTHERWISE SHOWN. STAGGER HORIZONTAL WALL BAR SPLICES. IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. IN BEAMS AND SLABS, SPLICE TOP BARS AT MID-SPAN, BOTTOM BARS OVER SUPPORTS, UNLESS OTHERWISE SHOWN.
- 10. EMBEDDED METAL COMPONENTS MADE UP OF ALLOYS THAT ARE DIS-SIMILAR TO THAT OF THE REINFORCING STEEL SHALL NOT BE ATTACHED DIRECTLY TO REINFORCING. MEASURES SHALL BE TAKEN TO ELECTRICALLY ISOLATE SAID COMPONENTS FROM ANY REINFORCING TO PREVENT CATHODIC EFFECTS.

ANCHORS

- REINFORCING OR THREADED RODS DRILLED AND EXPOXIED INTO EXISTING CONCRETE AS DETAILED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUIVALENT: A. SIMPSON 'SET-XP' ICC REPORT ESR-2508
- A. SIMPSON 'SET-XP' B. HILTI 'RE-500 SD' C. DEWALT 'PURE 110+'
- ICC REPORT ESR-2322 ICC REPORT ESR-3298
- 2. INSTALLATION OF EPOXIED DOWELS SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC REPORT AND HAVE A MINIMUM OF 9 DIAMETERS EMBEDMENT.
- 3. INSTALLATION SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC ER REPORT. CONTRACTOR SHALL HAVE APPROPRIATE ICC ER REPORT ON-SITE DURING ALL INSTALLATIONS.
- 4. ANY ENGINEERING DESIGN PROVIDED BY CONTRACTOR OR OTHERS SHALL BE SUBMITTED FOR REVIEW BY THE INSURED AND REGISTERED STRUCTURAL ENGINEER WITH CONTINUOUS FIVE YEARS OF EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED.



	STRUCTURAL STEEL NOTES			SPECIAL I
1.	STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ER STRUCTURAL STEEL FOR BUILDINGS."		PORTIONS OF T HAWAII, BE MA	HALL BE RESPONSI HE WORK , AS R DE AT THE APPRO IN AND WHERE INS
2.	ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATIONS BELOW:	AS NOTED		CTOR. THE CONTE ST TO THE OWNER
	A. CHANNELS AND ANGLES:ASTM A36B. FLAT/BENT PLATES:ASTM A36	2.	. THE FOLLOWING	IS A SUMMARY O
3.	ANCHOR RODS SHALL CONFORM TO ASTM F-1554, GRADE 36 EXCEPT	AS NOTED.	CONCRETE REIN	FORCING STEEL &
4.	MACHINE BOLTS SHALL CONFORM TO ASTM A307, GRADE 36 EXCEPT A	S NOTED.	ANCHOR BOLTS	(RODS) IN CONCF
5.	BOLTS USED IN STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO A490 AS NOTED. BOLT HOLES IN STEEL SHALL BE 1/16" LARGER DI. NOMINAL SIZE OR BOLT USED, EXCEPT AS NOTED.		CONCRETE POU	2
6.	ALL JOINTS SHALL DEVELOP THE FULL STRENGTH (COMPLETE PENETRA PREQUALIFIED JOINTS) OF THE CONNECTING MEMBERS AND FULLY WELL OTHERWISE SHOWN.		CONCRETE CYLI	NDER TEST
7.	ALL MATERIAL SHALL BE SHOP PAINTED.		PERIODIC SPEC	IAL CASES:

INSPECTION NOTES

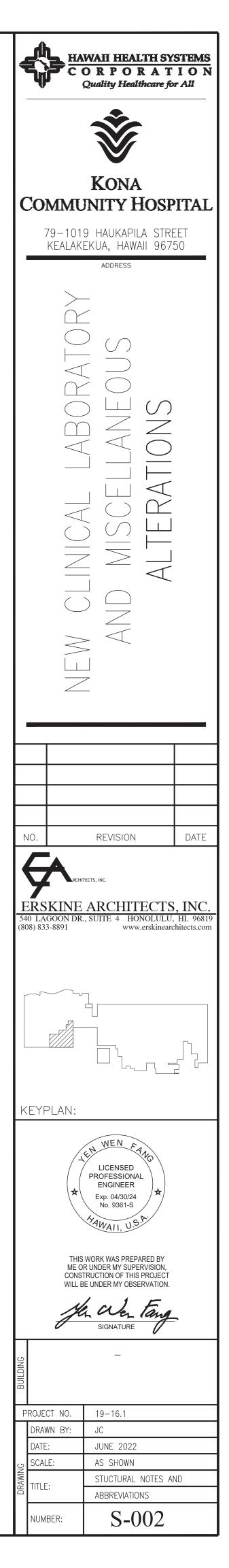
NSIBLE FOR ENSURING THAT SPECIAL INSPECTION OF REQUIRED BY THE BUILDING CODE OF THE COUNTY OF ROPRIATE TIME. THE CONTRACTOR SHALL GIVE TIMELY INSPECTIONS ARE TO BE MADE AND PROVIDE ACCESS NTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ER AND THE CONTRACTOR SHALL PAY FOR

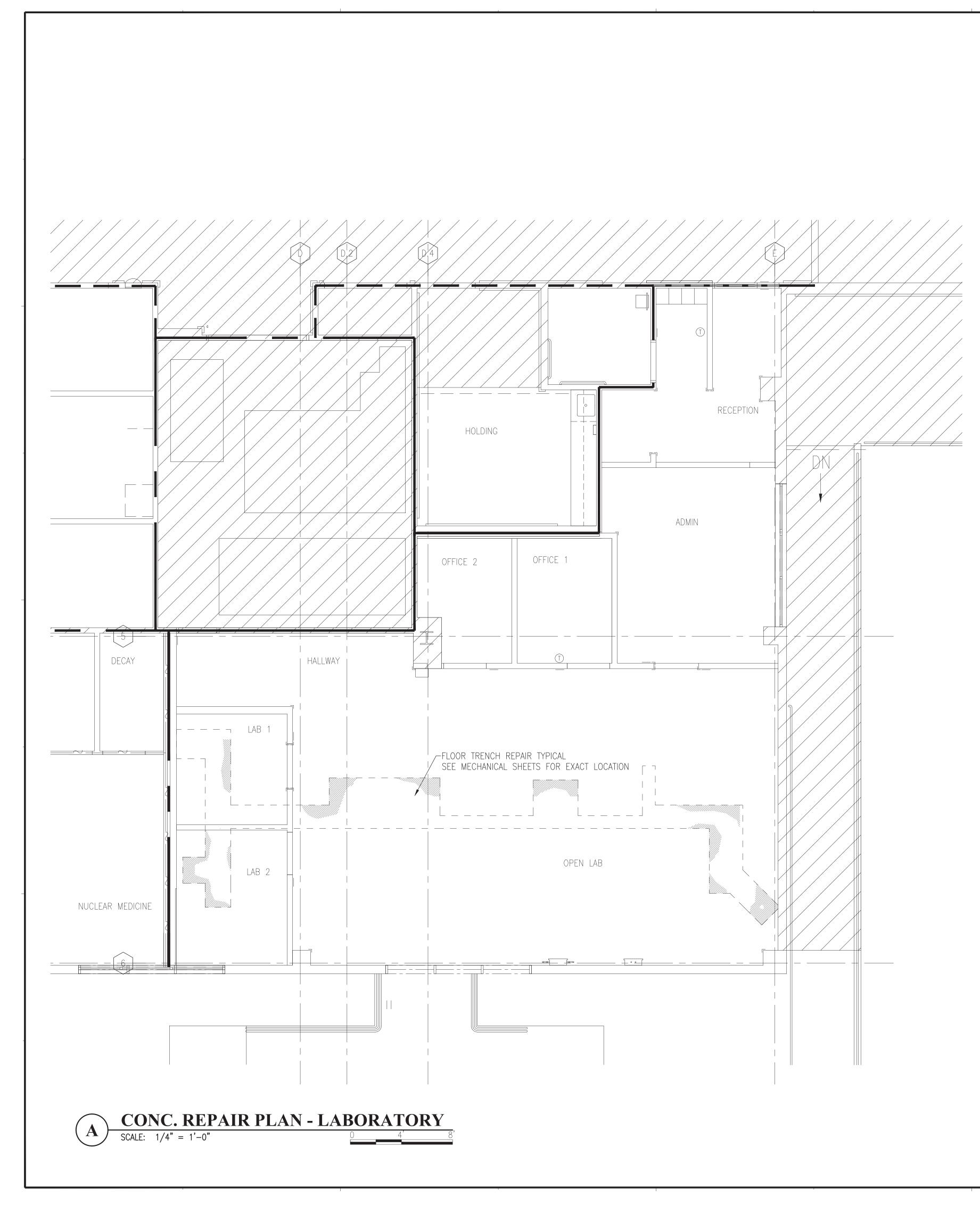
OF THE SPECIAL INSPECTION	DN REQUIREMENTS:
& FORMWORK	YES, PER IBC TABLE 1704.4
NCRETE	YES, PER IBC TABLE 1704.4
	NO PER IBC 1704.4.2.3, DESIGN BASED ON 2,500 PSI CONCRETE ALTHOUGH 3,000 PSI IS SPECIFIED FOR CONSTRUCTION
	NO, SUPPLIER TO PROVIDE IN-HOUSE TEST RESULTS
	EPOXY ANCHORS & DOWELS

ABBREVIATIONS

A.B.	ANCHOR BOLT	MAX.	MAXIMUM
ALT.	ALTERNATE	M.B.	MACHINE BOLT
APPROX.	APPROXIMATE	MECH.	MECHANICAL
ARCH.	ARCHITECTURAL	MIN.	MINIMUM
(B)	BOTTOM (REINFORCEMENT)	MISC.	MISCELLANEOUS
BLDG.	BUILDING	N.I.C.	
BLDO. BM.	BEAM	NO. OR #	
B.O.F.		N.T.S.	
B.O.T.	BOTTOM	0.C.	ON CENTER
C.I.P.	CAST-IN-PLACE	0.0. 0.D.	OUTSIDE DIAMETER (DIMENSION)
CL.	CENTERLINE		
		0.F.	OUTSIDE FACE
CLR.	CLEAR(ANCE)	0.H.	OPPOSITE HAND
CMU	CONCRETE MASONRY UNIT	OPNG.	OPENING
COL.	COLUMN	OPP.	OPPOSITE
CONC.	CONCRETE	PJP	PARTIAL JOINT PENTRATION
CONN.	CONNECTION	PL.	PLATE
CJP	COMPLETE JOINT PENETRATION	PLWD.	PLYWOOD
CONSTR.		PREFAB.	PREFABRICATION/PREFABRICATED
CONT.	CONTINUOUS	PT.	POINT
CRM	CUT ROCK MASONRY	REF.	REFERENCE
DBL.	DOUBLE	R.U.	ROUGH OPENING
DET.	DETAIL	R.	RADIUS
DIA.	DIAMETER	REINF.	REINFORCEMENT
DIM.	DIMENSION	REQ.	REQUIRED/REQUIREMENT(S)
DWG.	DRAWING	SCHED.	SCHEDULE
EA.	EACH	SECT.	SECTION
E.F.	EACH FACE	SHT.	SHEET
E.J.	EXPANSION JOINT	SIM.	SIMILAR
EL.	ELEVATION	SL.	SLOPE
EQ.	EQUAL	SG.	SLAB-ON-GRADE
EQUIPT.	EQUIPMENT	SPEC.	SPECIFICATION
E.S.	EACH SIDE	SQ.	SQUARE
E.W.	EACH WAY	SST.	STAINLESS STEEL
EXP.	EXPANSION	STD.	STANDARD
EXT.	EXTERIOR	STIFF.	STIFFENER
EXIST.	EXISTING	STRUCT.	STRUCTURAL
FDTN.	FOUNDATION	SYM.	SYMBOL
FLR.	FLOOR	(T)	TOP (REINFORCEMENT)
F.O.P.	FACE OF CONCRETE	Т&В	TOP AND BOTTOM
FIN.	FINISH	T&G	TONGUE AND GROOVE
FIN. FLR.	FINISH FLOOR	THRU	THROUGH
FT.	FOOT OR FEET	T.O.C.	TOP OF CURB
FTG.	FOOTING	T.O.F.	TOP OF FOOTING
GA.	GAUGE	T.O.S.	TOP OF SLAB, TOP OF STEEL
GALV.	GALVANIZED	T.O.W.	TOP OF WALL
(H)	HORIZONTAL (REINFORCEMENT)	TRANSV.	TRANSVERSE
HK.	НООК	TYP.	TYPICAL
HORIZ.	HORIZONTAL	U.O.N.	UNLESS OTHERWISE NOTED
I.D.	INSIDE DIAMETER (DIMENSION)	VERT.	VERTICAL
INFO.	INFORMATION		
INT.	INTERIOR	W/	WITH
INTERM.	INTERMEDIATE	WD.	WOOD
JT.	JOINT	W.W.M.	WELDED WIRE MESH
LLV.	LONG LEG VERTICAL	LLH.	LONG LEG HORIZONTAL
LONG.	LONGITUDINAL	NATE	
		<u>NOTE:</u>	
		NUT ALL AL	BREVIATIONS ARE NECESSARILY

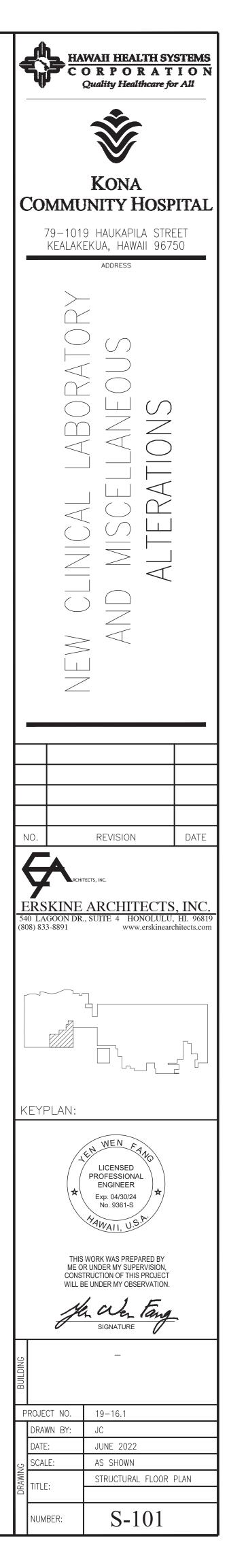
USED

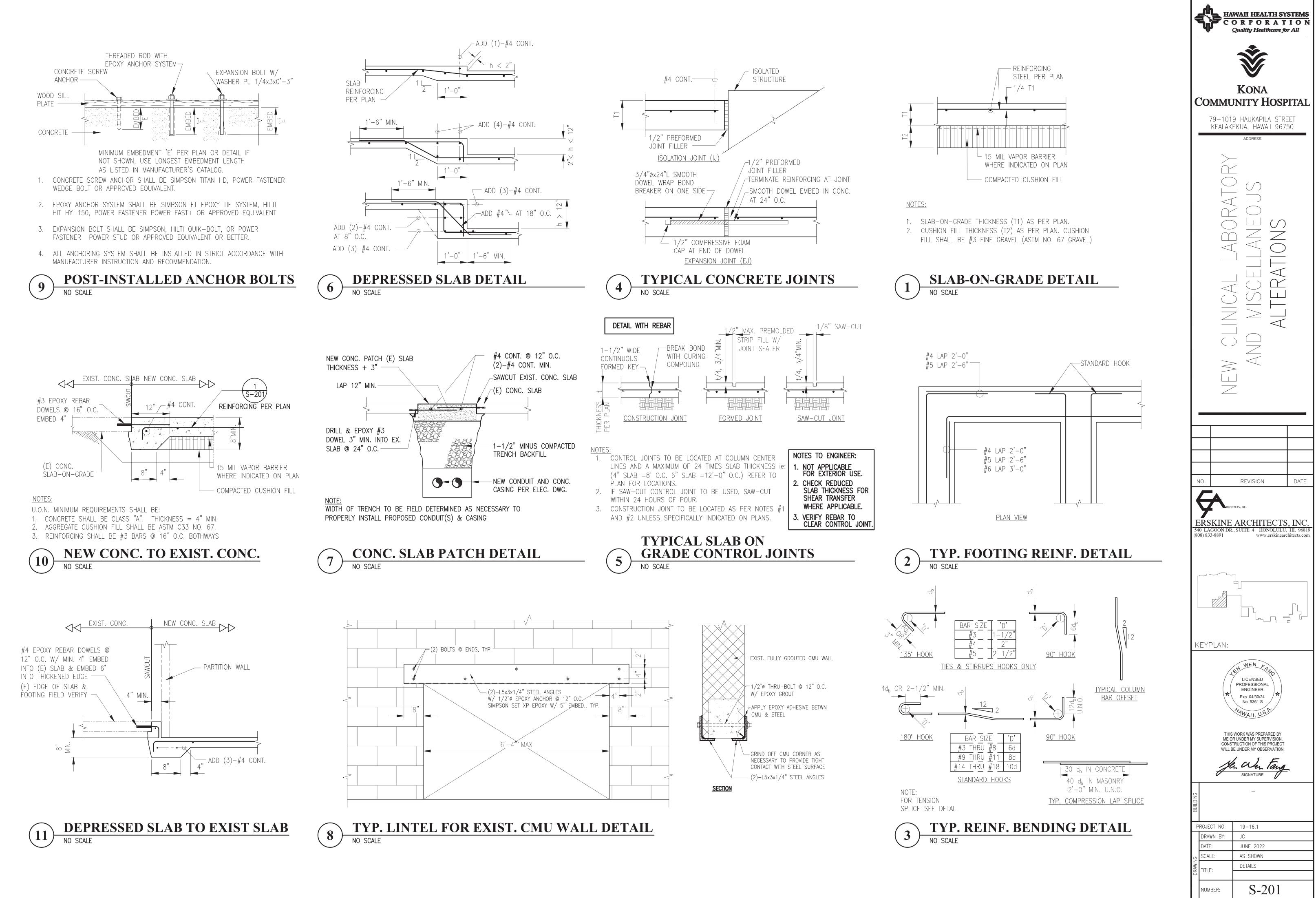




ALL CONCRETE SLAB REPAIR SHALL BE MINIMUM OF 5" CONCRETE SLAB REINFORCED WITH #3 AT 16" O.C. EACH WAY. #3 DOWELS DRILLED & EPOXY INTO ADJACENT EXISTING CONCRETE SLAB.

NOTE:





SYMBOLS	ABBREVIATIONS	DESCRIPTIONS	SYMBOLS	ABBREVIATIONS	DESCRIPTIONS
	ABV	ABOVE		ΗZ	HERTZ
	AFF	ABOVE FINISHED FLOOR		IN	INCHES
	AP	ACCESS PANEL		IN WG	INCHES WATER GAUGE
	AHU	AIR HANDLING UNIT		LBS	POUNDS
	ARCH	ARCHITECTURAL		MAX	MAXIMUM
BD		BACKDRAFT DAMPER		MECH	MECHANICAL
		BALL VALVE		MIN	MINIMUM
	CLG	CEILING	M		MOTORIZED DAMPER
Z		CHECK VALVE			NEW WORK
	CHWR	CHILLED WATER RETURN		NO	NUMBER
	CHWS	CHILLED WATER SUPPLY		OC	ON CENTER
	CLR	CLEARANCE		ODP	OPEN DRIP PROOF
I	СО	CLEAN OUT		OA	OUTSIDE AIR
	CONC	CONCRETE	VD'	OBVD	OPPOSED BLADE VOLUME DAMPER
	CONN	CONNECTION		OFOI	OWNER FURNISH OWNER INSTALL
CD		CONCEALED OPERATOR VOLUME DAMPER		OL	OVERLOAD
	CONT	CONTINUATION	Ø	PH	PHASE
	- CW	COLD WATER	-+	POC	POINT OF CONNECTION
	CC	COOLING COIL	Р		PRESSURE SENSOR
	CFM	CUBIC FEET PER MINUTE		RA	RETURN AIR
CD	CD	CONDENSATE DRAIN		RAR	RETURN AIR REGISTER
	dB	DECIBELS		RHC	REHEATING COIL
Ø	DIA	DIAMETER		S	SANITARY
	DN	DOWN		SCC	SENSIBLE COOLING CAPACITY
	DWGS	DRAWINGS		SK	SINK
SD		DUCT SMOKE DETECTOR		SD	SMOKE DAMPER
	EAT	ENTERING AIR TEMPERATURE		S.S.	STAINLESS STEEL
	ECWT	ENTERING CHILLED WATER TEMPERATURE		STRUCT	STRUCTURAL
	EXH	EXHAUST		SA	SUPPLY AIR
	EA	EXHAUST AIR		SAD	SUPPLY AIR DIFFUSER
	EAR	EXHAUST AIR REGISTER		SAR	SUPPLY AIR REGISTER
	EF	EXHAUST FAN		SP	DUCT MOUNTED STATIC PRESSURE SENSOR
	ELEC	ELECTRICAL		ST	SOUND TRAP
	EXST	EXISTING			TO BE REMOVED OR DEMOLISHED
	FCU	FAN COIL UNIT		TEMP	TEMPERATURE
•	FIN FLR	FINISHED FLOOR	TE O		TEMPERATURE SENSOR
◆ <u> </u>		FIRE DAMPER (HORIZONTAL)	<u>(</u>)	T-STAT	THERMOSTAT
		FIRE DAMPER (VERTICAL)		THK	THICK
	FC	FLEXIBLE CONNECTION			TRANSFER AIR
		FLEXIBLE DUCT		TYP	
	FCO	FLOOR CLEAN OUT		\	UNION
	FD	FLOOR DRAIN		V	VOLTS
G		GRAVITY DAMPER			VARIABLE AIR VOLUME
	GRND	GROUND		VFD	VARIABLE FREQUENCY DRIVE
	HC	HEATING COIL		WCO	WALL CLEAN OUT
	HP	HORSE POWER		W	WATTS
	HW	HOT WATER HOSE BIBB	>		WYE STRAINER

HAWAI'I COUNTY ENERGY CODE

2015 IECC, HAWAI'I REVISED STATUTES <u>HRS 107-24 TO 28</u> & ADMINISTRATIVE RULES <u>HAR 3-181.1</u>

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROUSUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIEN PERTAINING TO THE <u>COMMERCIAL PROVISIONS FOR MECHANICAL SYS</u> <u>C405)</u> OF THE 2015 IECC WITH AMENDMENTS PER HAR 3

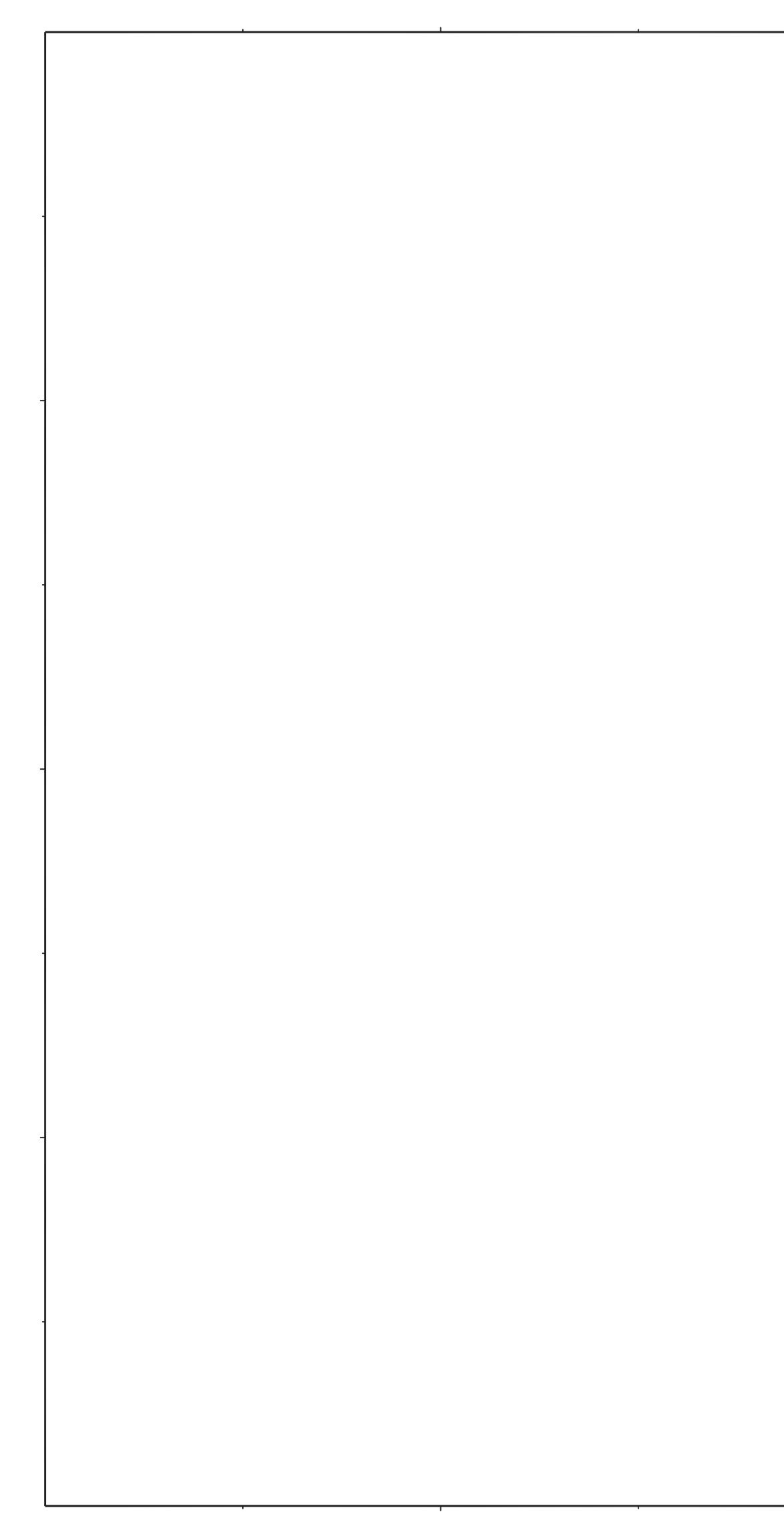
LICENSE NO.: <u>16319-M</u>

- 2015 IECC as amended. Mandatory & Prescriptive
 2015 IECC as amended. Mandatory & Total Building Performance
- ☑ 2015 IECC as amended. Mandatory & Total Building Pen ☑ ASHRAE Standard 90.1-2013. Mandatory & Prescriptive
- □ ASHRAE Standard 90.1-2013. Mandatory & Energy Cost Budget

INFORMATION IN CONSTRUCTION DOCUMENTS HVAC Systems

Equipment capacity and efficiency. C403.2.3 Thermostatic controls C403.2.4 Guest room door switches. C403.2.4.2.4 Ventilation rate C403.2.6 Demand control ventilation controls C403.2.6.1 Enclosed parking garage ventilation control. C403.2.6.2 Energy recovery ventilation system. C403.2.7 Kitchen exhaust systems. C403.2.8 Duct and plenum insulation thickness/R-value. C403.2.9 Duct and plenum sealing requirements. C403.2.9 Pipe insulation thickness/R-value. C403.2.10 Fan motor horsepower. C403.2.12 Fan efficiency. C403.2.12 Fan motor efficiency. C405.8 Pump motor efficiency. C405.8 Variable-flow fan control. C403.4.1 Static pressure sensor location. C403.4.1.2 Static pressure reset control. C403.4.1.3 Chilled water variable flow control. C403.4.2.4 Chiller isolation. C403.4.2.6 Cooling tower fan control. C403.4.3 Terminal unit minimum and maximum airflow. C403.4.4 Commissioning requirements. C408.2 Refrigeration Refrigeration equipment efficiency. C403.2.14 Walk-in coolers and freezers. C403.2.15, C403.2.16 & C403.5 Refrigerated warehouses. C403.2.15 & C403.5 Refrigerated display cases. C403.2.17 & C403.5 Service Water Heating Heat recovery for service water heating. C403.4.5 Equipment capacity and efficiency. C404.2 Pipe insulation. C404.4 Hot water pipe length/volume. C404.5 Hot water circulation controls. C404.6 Heated pool and spa covers. C404.9.3 Commissioning requirements. C408.2 NOTES SIGNATURE: JUNE 29, 2022 DATE: _ CAREY S. NAKAGAWA NAME: VICE-PRESIDENT TITLE:

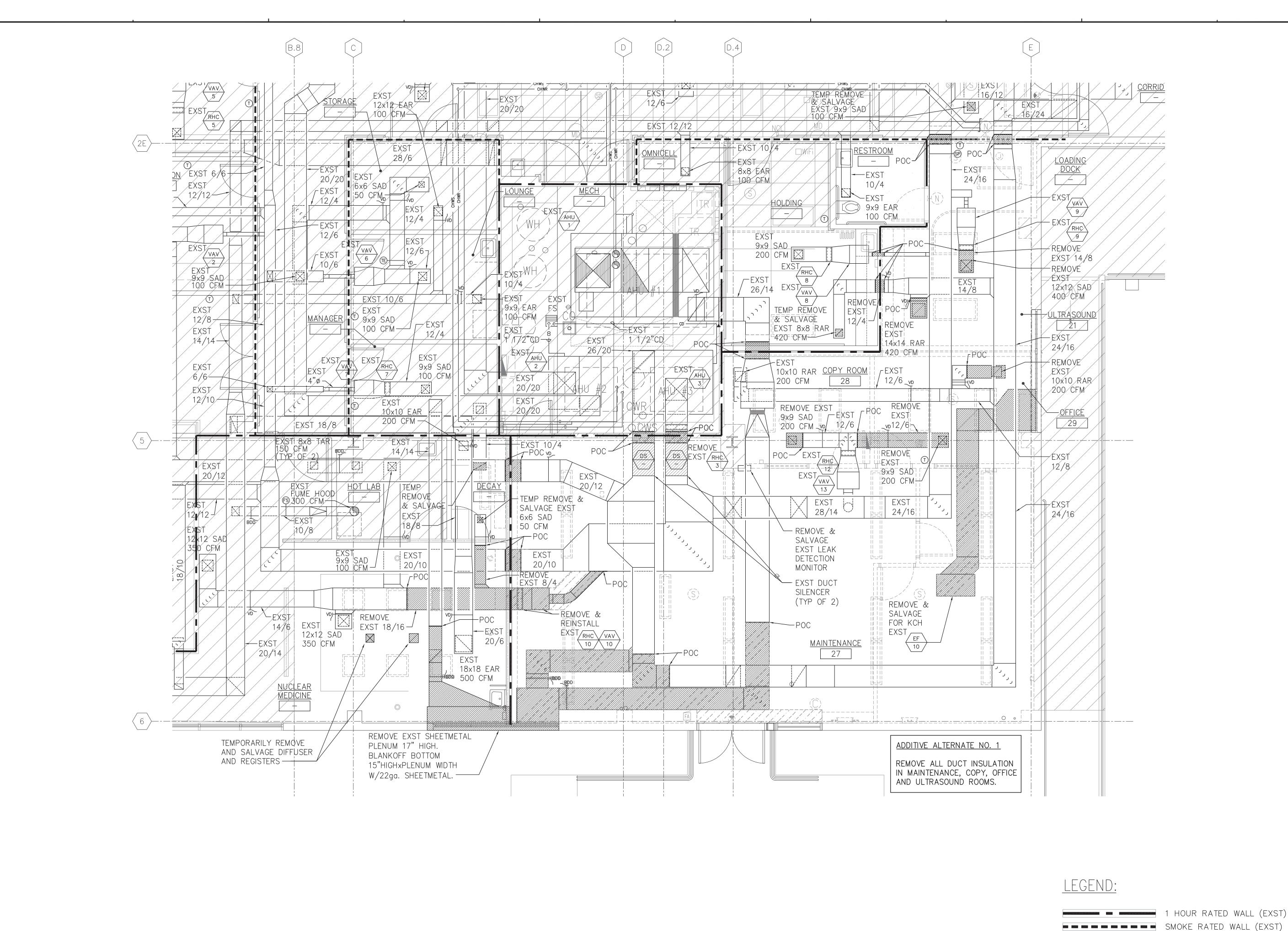
					WAII HEALTH SY O R P O R A T Quality Healthcare fo	ION
& HAWAI'I					KONA	
DJECT DESIGN NCY STANDARDS <u>(STEMS (C403, C404</u> 3-181.1:	<u>&</u>			79–101	9 HAUKAPILA STRI EKUA, HAWAII 967 address	EET
Yes				NFW CLINICAL LARORATORY	AND MISCELLANEOUS ALTERATIONS	
	X					
	X		N	10.	REVISION	DATE
			54(80	T ERSKINE	ARCHITECTS	S. INC.
				THIS L	No. 16319-M VICENSE EXPIRE APRIL 30, 2024 SIGNATIVE PREPARED BY ME OR U D CONSTRUCTION OF THIS MY OBSERVATION. (OBSERV SIGNATIVE RULES, DEPAR D CONSUMER AFFAIRS NGINEERS, ARCHITECTS, SU ARCHITECTS).	NDER MY PROJECT ATION OF 3-115 OF IMENT OF ENTITLED JRVEYORS
			PUILDING	ROJECT NO.	19–16.1	
				DRAWN BY: DATE:	TEC JUNE 2022	
			DRAWING	SCALE: TITLE:	AS SHOWN LEGEND ABBREVIATIONS	NOTES
				NUMBER:	M01	



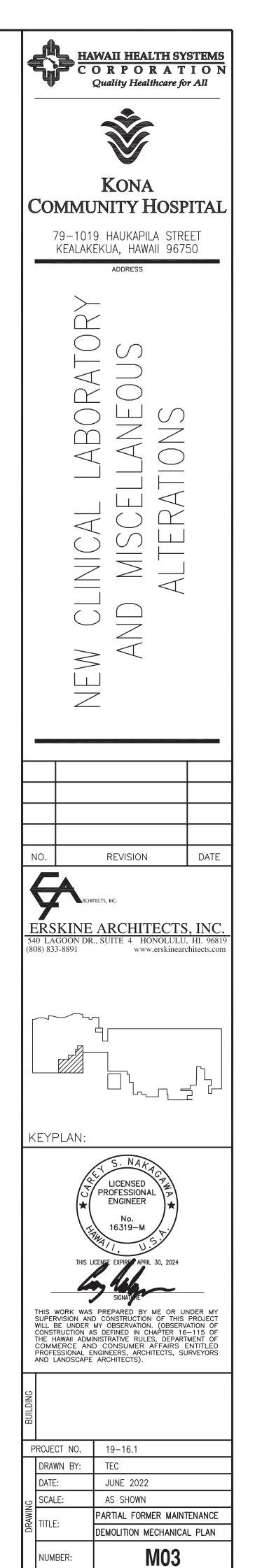
MECHANICAL NOTES

- 1. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION, FABRICATION, INSTALLATION AND COMMENCEMENT OF ALL WORK TO BE DONE. COORDINATE ALL WORK TO BE DONE WITH OTHER TRADES.
- 2. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT.
- 3. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES AND FIELD CONDITIONS AFFECTING OR AFFECTED BY THIS INSTALLATION. SHOULD CONFLICTS OCCUR, THE OWNER SHALL BE NOTIFIED IMMEDIATELY.
- 4. SCHEDULING OF ALL ON-SITE CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SCHEDULE. SEQUENCE ON-SITE WORK TO MINIMIZE DISRUPTIONS (E.G. NOISE, DUST, ODORS, ETC.) TO THE NORMAL OPERATION OF THE TENANTS. PROVIDE BARRICADES, TEMPORARY BARRIERS, ETC. AS REQUIRED TO SEPARATE THE CONSTRUCTION WORK AREA FROM THE TENANT'S WORK AREAS AND PROVIDE SAFE WORKING CONDITIONS.
- 5. AIR CONDITIONING OUTAGES INCLUDING SHUTDOWN OF ANY PORTION OF OR THE COMPLETE AIR CONDITIONING SYSTEM, ETC. SHALL BE SUBMITTED FOR APPROVAL AND SHOWN ON THE CONSTRUCTION SCHEDULE BY THE CONTRACTOR. THE OWNER WILL LIMIT THE NUMBER OF OUTAGES AND THE DURATION OF EACH OUTAGE.
- 6. LOUD NOISE PRODUCING CONSTRUCTION ACTIVITIES SHALL ALSO BE SCHEDULED FOR WEEKEND OR AFTER NORMAL WORKING HOURS. CONTRACTOR SHALL COORDINATE WITH OWNER.
- 7. ALL ITEMS ARE NEW UNLESS OTHERWISE NOTED. ALL EXISTING EQUIPMENT AND OTHER ITEMS SHALL REMAIN UNLESS OTHERWISE NOTED.
- 8. ALL DUCT DIMENSIONS SHOWN NUMERICALLY ARE NET INSIDE DIMENSIONS AND DO NOT INCLUDE INSULATION THICKNESS. ALL SUPPLY AND RETURN AIR DUCTS SHALL BE WRAPPED WITH 1 1/2 INCH THICK RIGID INSULATION WITH 1 1/2 INCH FLEXIBLE INSULATION AT DUCT JOINTS. AS PART OF ADDITIVE ALTERNATE NO 1, REMOVE EXISTING DUCT INSULATION IN MAINTENANCE, OFFICE, COPY AND ULTRA SOUND ROOMS AND REPLACE WITH NEW RIGID INSULATION WITH 1 1/2 INCH FLEXIBLE INSULATION AT DUCT JOINTS.
- 9. PROVIDE DIELECTRIC CONNECTIONS AT ALL FERROUS TO COPPER CONNECTIONS.
- 10. CONTRACTOR SHALL COORDINATE LOCATION OF NEW DUCTWORK AND PIPING AND MAKE ADJUSTMENTS TO AVOID INTERFERENCE WITH EXISTING AND NEW DUCTWORK, PIPING, CONDUIT, BEAMS, FRAMING, CABLE TRAYS, AND LIGHTING.
- 11. UNLESS OTHERWISE INDICATED, MOUNT ALL WALL MOUNTED MECHANICAL DEVICES, PANELS, SWITCHES, ETC AT 48 INCHES AFF.
- 12. ALL ROOF, WALL, AND FLOOR PENETRATIONS SHALL BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 13. PROVIDE FIRE STOPPING AT ALL EXISTING AND NEW PIPE AND DUCT PENETRATIONS THRU FIRE RATED CEILING AND WALL ASSEMBLIES, SMOKE WALLS, AND FLOORS PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL LOCATIONS. ALL FIRE STOP AT FLOOR PENETRATIONS SHALL BE RATED FOR 2-HOUR CONSTRUCTION.
- 14. ALL GAPS AT THE PENETRATIONS THROUGH FIRE RATED CEILING AND WALL ASSEMBLIES FOR PIPES, PIPE SUPPORTS, RODS, STRAPS, CONTROL CONDUITS, ETC. SHALL BE SEALED WITH APPROVED FIRE STOPPING MATERIAL AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO MAINTAIN THE FIRE RATING OF THE ASSEMBLY. SEE ARCH DRAWINGS FOR LOCATION OF FIRE RATED WALLS & CEILINGS.
- 15. ALL COSTS FOR PLANNING, QUALITY CONTROL, OVERTIME, INCLUDING EVENING AND WEEKEND WORK, USE OF SPECIAL CONTRACTORS AND OTHER ITEMS REQUIRED BY THIS PROJECT SHALL BE INCLUDED IN THE CONTRACT PRICE.
- 16. THE MECHANICAL PLANS WERE DRAWN USING VARIOUS REFERENCE DRAWINGS AND LIMITED FIELD VERIFICATION DUE TO EXISTING INTERFERENCES. CONTRACTOR SHALL VERIFY LAYOUT IN THE FIELD PRIOR TO STARTING WORK AND SHALL INDICATE CHANGES ON SHOP DRAWINGS. NOTIFY ENGINEER OF ANY AREAS WHERE EXISTING LAYOUT VARIES SIGNIFICANTLY FROM DRAWINGS. MINOR CHANGES (AS DETERMINED BY THE ENGINEER) IN LAYOUT AND PIPE SIZES DUE TO AS-BUILT CONDITIONS SHALL NOT BE THE BASIS FOR REQUESTING ADDITIONAL FUNDS FROM THE OWNER.
- 17. PATCH AND PAINT ALL SURFACES AFFECTED BY SELECTIVE DEMOLITION TO MATCH ADJACENT AND/OR EXISTING CONDITIONS. OBTAIN APPROVAL OF MATCHING MATERIAL.
- 18. CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT AND PIPING ARE INSTALLED WITH MANUFACTURER'S RECOMMENDED ACCESS SPACE FOR MAINTENANCE, OPERATION, AND IN ACCORDANCE WITH CODES.
- 19. FIRE SAFETY DURING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 16, NFPA 1 AS AMENDED.
- 20. ALL AIR CONDITIONING AND VENTILATION SYSTEMS SHALL COMPLY WITH TITLE 11, ADMINISTRATIVE RULES, DEPARTMENT OF HEALTH, CHAPTER 39, AIR CONDITIONING AND VENTILATION REQUIREMENTS.
- 21. A/C WORK WILL NOT AFFECT WATER DEMAND.
- 22. ALL SINKS, FLOOR DRAINS, FLOOR SINKS AND OTHER WASTE WATER CONNECTIONS WHICH ACCEPT PROCESS/WASHDOWN WATER, SHALL BE PROVIDED WITH 1/4 INCH SCREENED OPENING MAXIMUM.
- 23. WATER CONSERVATION PROVIDE FLOW RESTRICTORS OR OTHER APPROVED FLOW CONTROL DEVICES TO LIMIT FLOW ON ALL LAVATORY FAUCETS TO A MAXIMUM OF 0.5 GPM, FOR ALL SHOWER HEADS AND SINKS TO 2.5 GPM AND FOR ALL URINALS TO 1.0 GALLON PER FLUSH AND FOR ALL WATER CLOSETS TO 1.6 GALLONS PER FLUSH.
- 24. FOR ADA FIXTURE MOUNTING HEIGHT, SEE ARCH DWGS.
- 25. THE FORCE TO ACTIVATE ANY FAUCET OR FLUSH VALVE CONTROL VALVE SHALL BE NO GREATER THEN 5 LBS.
- 26. DDC CONTROLS SHALL BE BY SETPOINT SYSTEM (WWW.SETPOINTSYSTEMS.COM).
- 27. OUTSIDE AIR DUCT IS MANIFOLDED TO MULTIPLE AHU'S. MAXIMUM DOWNTIME FOR THE OUTSIDE AIR SYSTEM SHALL BE 8 HOURS,

	WAII HEALTH SYSTEMS O R P O R A T I O N Quality Healthcare for All							
KONA COMMUNITY HOSPITAL								
Сомм	JNITY HOSPITAL							
	9 HAUKAPILA STREET (EKUA, HAWAII 96750							
~	ADDRESS							
IEW CLINICAL LADRATORY	AND MISCELLANEOUS ALTERATIONS							
	~							
NO.	REVISION DATE							
7	E ARCHITECTS, INC.							
540 LAGOON DI (808) 833-8891	R., SUITE 4 HONOLULU, HI. 96819 www.erskinearchitects.com							
	ſ							
KEYPLAN:								
C M S	LICENSED PROFESSIONAL							
*	ENGINEER No. 16319−M							
	16319-M 744711, U.S. LICENSE EXPIRE APRIL 30, 2024							
WILL BE UNDER CONSTRUCTION / THE HAWAII ADM COMMERCE AN	ENGINEERS, ARCHITECTS, SURVEYORS							
BUILDING								
PROJECT NO.	19–16.1 TEC							
DRAWN BY: DATE:	TEC JUNE 2022							
SCALE: TITLE:	AS SHOWN MECHANICAL NOTES							
	NA00							
NUMBER:	M02							



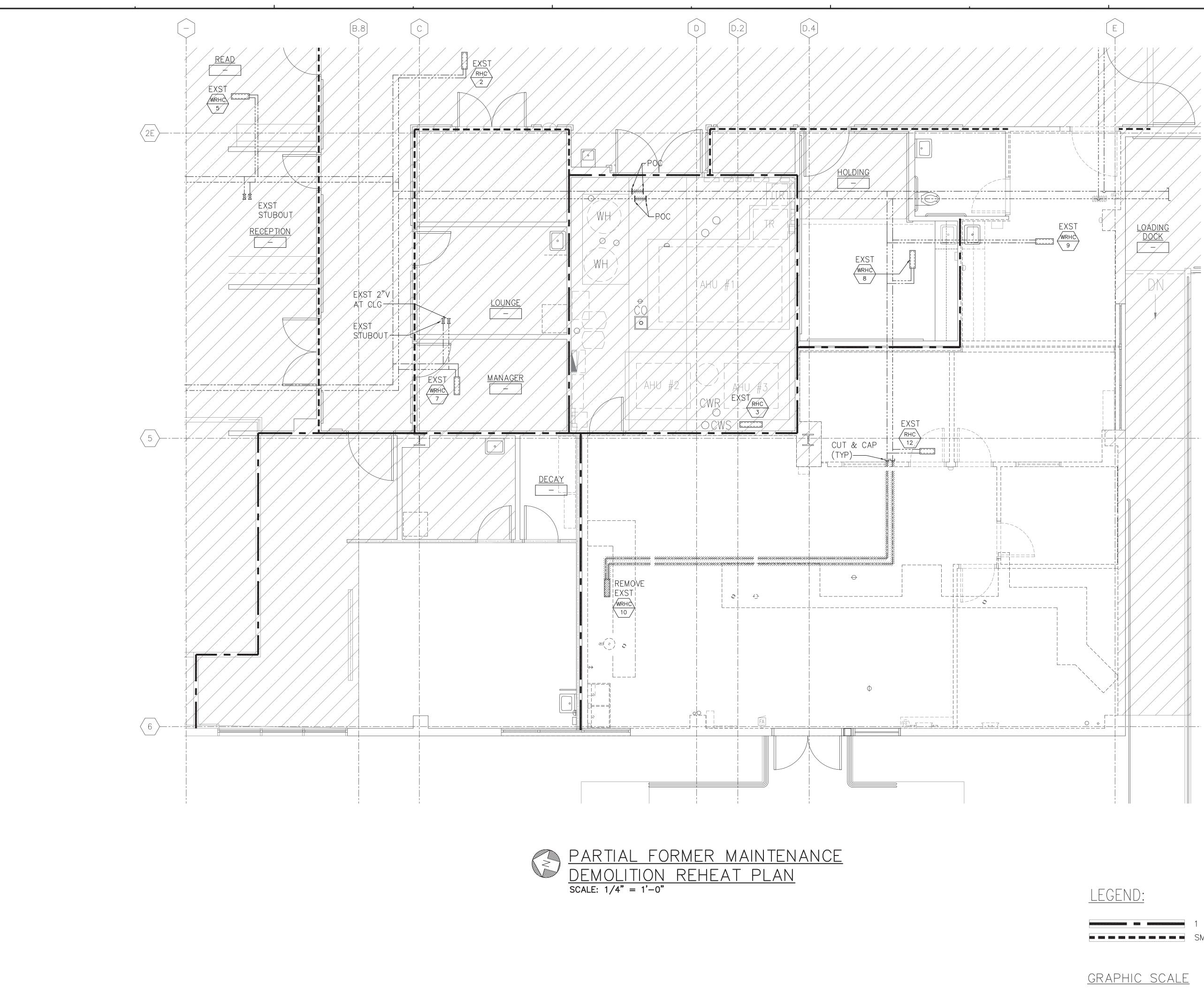
PARTIAL FORMER MAINTENANCE DEMOLITION MECHANICAL PLAN SCALE: 1/4" = 1'-0"



		/	/	\geq	~	/	\geq	\geq
GF	RAF	$\supset \vdash$	$\left \right ($	\sum	S	С	Al	_E

1/4" = 1'-0" 4' 0' 4'

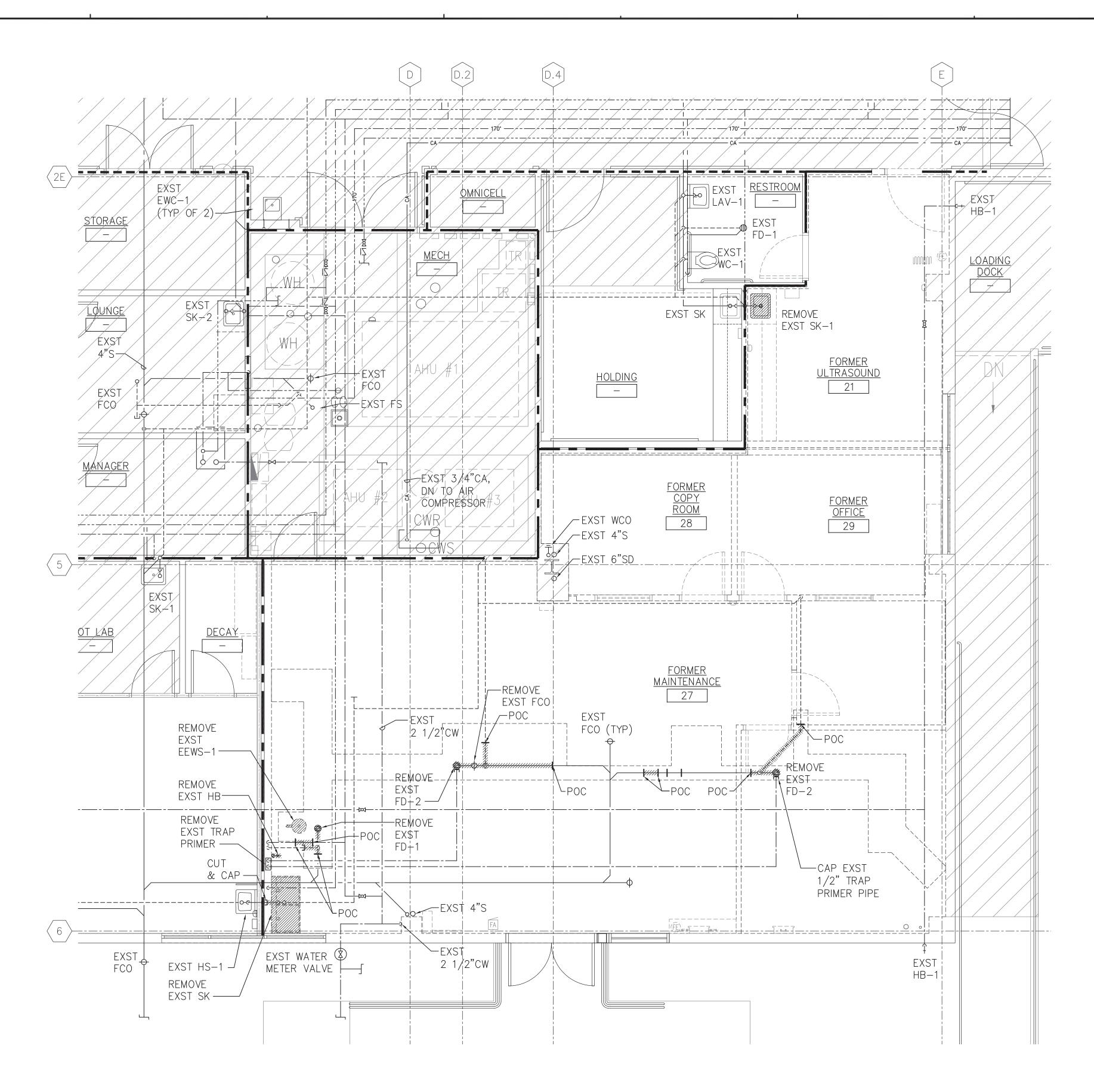
12'



					ality 1					_
-					Ň					
					V					
				F	SOI	NA				
(20	M	Μ	JN	ITY	ΥE	IO	SP	ITA	L
					HAUK JA, F					
I					ADDRE	ESS				
			>							
			\bigcap	\leq						
			\vdash		\bigcup	\sum				
			$\leq c$	5						
			\square	$\overline{)}$			(\bigcirc		
			\square		\leq	/ /		\leq		
			\leq		_					
				I			\leq	$\overline{\langle}$		
			$\overline{\langle}$	Ĺ	$\left(\right)$	$\sum_{i=1}^{n}$				
			\subseteq		\bigcirc		\vdash	نے۔ 		
			2	_	2	2	<	\leq		
			(_)	\square			-		
)		$\overline{\ }$	<pre>> </pre>				
			\leq	>		1				
•										•
•										•
										•
										-
N	10.				REVIS	ION			DATE	-
	10.		RCH	ITTECTS,		ION			DATE	
E 54		GOO	INE	IITECTS,	INC.	HIT HC	NOL	ULU,	<u>, INC</u> HI. 968	
E 54		GOO	INE	IITECTS,	INC. RCH	HIT HC	NOL	ULU,	, INC	
E 54		GOO	INE	IITECTS,	INC. RCH	HIT HC	NOL	ULU,	<u>, INC</u> HI. 968	
E 54		GOO	INE	IITECTS,	INC. RCH	HIT HC	NOL	ULU,	<u>, INC</u> HI. 968	
E 54		GOO	INE	IITECTS,	INC. RCH	HIT HC	NOL	ULU,	<u>, INC</u> HI. 968	
E 54		GOO	INE	IITECTS,	INC. RCH	HIT HC	NOL	ULU,	<u>, INC</u> HI. 968	
E 54		GOO	INE DN DF	IITECTS,	INC. RCH	HIT HC	NOL	ULU,	<u>, INC</u> HI. 968	
E 54 (80		GO0 3-88		IITECTS,	INC.		NOL a.erski	ULU, nearc	<u>, INC</u> HI. 968	
E 54 (80	CRS 0 LA 18) 83	GO0 3-88		IITECTS,	INC.		NOL a.erski	ULU, nearc	<u>, INC</u> HI. 968	
E 54 (80	CRS 0 LA 18) 83	GO0 3-88			INC.				<u>, INC</u> HI. 968	7 .
E 54 (80	CRS 0 LA 18) 83	GO0 3-88		THECTS, A 2., SU	NC.	HIT HO WWW SED SIONA EER			<u>, INC</u> HI. 968	
E 54 (80	CRS 0 LA 18) 83	GO0 3-88		The contract of the contract o	NC. RCH JITE 4 S. N LICENS OFESS ENGINI No. 16319	HIT HO WWW SED SIONA EER	PNOL Cerski		<u>, INC</u> HI. 968	
E 54 (80	CRS 0 LA 18) 83	GO0 3-88		The contract of the contract o	NC.		PNOL Cerski		<u>, INC</u> HI. 968	
E 54(80				ITECTS, A., SU PR LICENS S PRI ID CC	NC. RCI JITE 4 S. N LICENS OFESS ENGINI No. 16319 J. SIGNAT EPAREL DISTRU		NOL Cerski		, INC HI. 968 hitects.co	
E 54 (80	EYF			A A A A A A A A A A A A A A A A A A A	NC. RCI JITE 4 JITE 4 S. M LICENS OFESS ENGINI NO 16319 C. SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT		NOL C.erski S.erski S. def ME C. ME C. ME C. ME C. ME APTEL S. def S. def S	D24	HI. 968 hitects.co	
E 54 (80	EYF			A A A A A A A A A A A A A A A A A A A	NC. RCI JITE 4 JITE 4 S. M LICENS OFESS ENGINI NO 16319 C. SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT		NOL C.erski S.erski S. def ME C. ME C. ME C. ME C. ME APTEL S. def S. def S	D24	, INC HI. 968 hitects.co	
	EYF			A A A A A A A A A A A A A A A A A A A	NC. RCI JITE 4 JITE 4 S. M LICENS OFESS ENGINI NO 16319 C. SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT		NOL C.erski S.erski S. def ME C. ME C. ME C. ME C. ME APTEL S. def S. def S	D24	HI. 968 hitects.co	
E 54 (80	EYF			A A A A A A A A A A A A A A A A A A A	NC. RCI JITE 4 JITE 4 S. M LICENS OFESS ENGINI NO 16319 C. SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT SIGNAT		NOL C.erski S.erski S. of B S. of S S. of S	D24	HI. 968 hitects.co	
BUILDING	EYF ESUPER THIS SUPER SUPER SUPER FILL F COMMULE ROJE			LICENSI A., SU A., SU A., SU PR LICENSI BD CC MY O E ARC	NC. RCH JITE 4 S. N LICENS OFESS ENGINI No. 16319 J. SIGNAT EPAREL DNSTRU	HIT HO WWW SED SIONA EER 	NOL C.erski S.erski S. of B S. of S S. of S	D24	HI. 968 hitects.co	
BUILDING	EYF			ITECTS, A., SU A., SU PR LICENS ID CC ENGIN S PRI ID CC ENGIN	NC. RCI JITE 4 JITE 4 S. M LICENS OFESS ENGINI No 16319 - SIGNAT EEXPIRE SIGNAT SIGNAT EEXPIRE SIGNAT EEXPIRE SIGNAT EEXPIRE SIGNAT	HIT HO WWW SED SIONA EER D CTION ARCH ARCH ARCH ARCH I I	NOL C.erski S.erski S. of B S. of S S. of S	D24	HI. 968 hitects.co	
	EYF ROJE DRAN			ITECTS, A., SU A., SU PR ILICENSI ID CC PR ILICENSI ID CC PR ILICENSI ID CC ID CCC ID CC ID CC I	NC. RCE JITE 4 JITE 4 S. N LICENS OFESS ENGINI No. 16319 J. SIGNAT EPAREL DISSERV SIGNAT EPAREL DISSERV EINGINI NO. 16319 J. S. N LICENS OFESS ENGINI NO. 16319 J. S. S. HO IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	HIT HO WWW SED SIONA EER JAR SED ARRILL ARRI	MOL Acriski Acriski ME C I OF AFFAI 30, 20 ME C I OF AFFAI TECTS	DO24	IDER MY hitects.co	
BUILDING	EYF			THECTS, A A A A A A A A A A A A A	NC. RCE JITE 4 JITE 4 S. N LICENS OFESS ENGINI No. 16319 J. SIGNAT EPAREL DISSERV SIGNAT EPAREL DISSERV EINGINI NO. 16319 J. S. N LICENS OFESS ENGINI NO. 16319 J. S. S. HO IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	HIT HO WWW SED SED APRIL SED APRIL ARCH ZO ZO ZO ZO ZO ZO ZO ZO ZO ZO ZO ZO ZO	MOL Acerski Ac	Direction of the second	IDER MY hitects.co	

1 HOUR RATED WALL (EXST) SMOKE RATED WALL (EXST)

1/4" = 1'-0" 4' 0' 4' 8' 12'

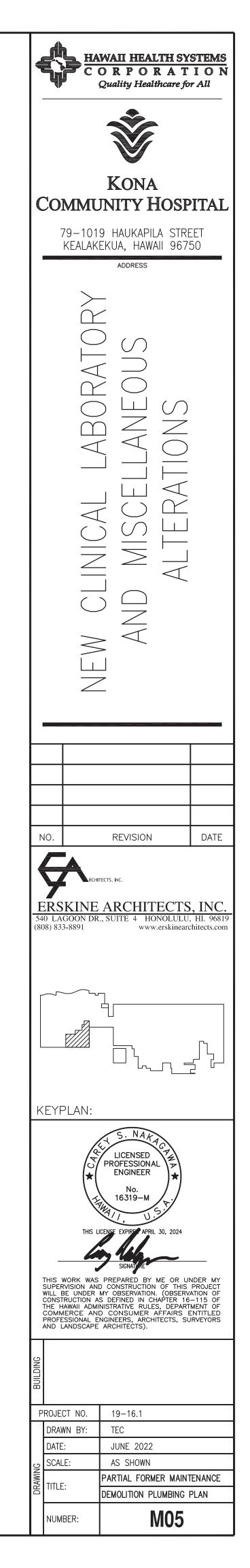


<u>NOTE:</u>

1. FIXTURE REMOVAL SHALL MINIMIZE DEAD LEGS IN THE DOMESTIC WATER SYSTEM. CONTRACTOR SHALL REMOVE DOMESTIC WATER PIPE SERVICING THE DEMOLISHED FIXTURE TO THE CLOSEST TEE/BRANCH/MAIN.







LEGEND:

■ ■ 1 HOUR RATED WALL (EXST)

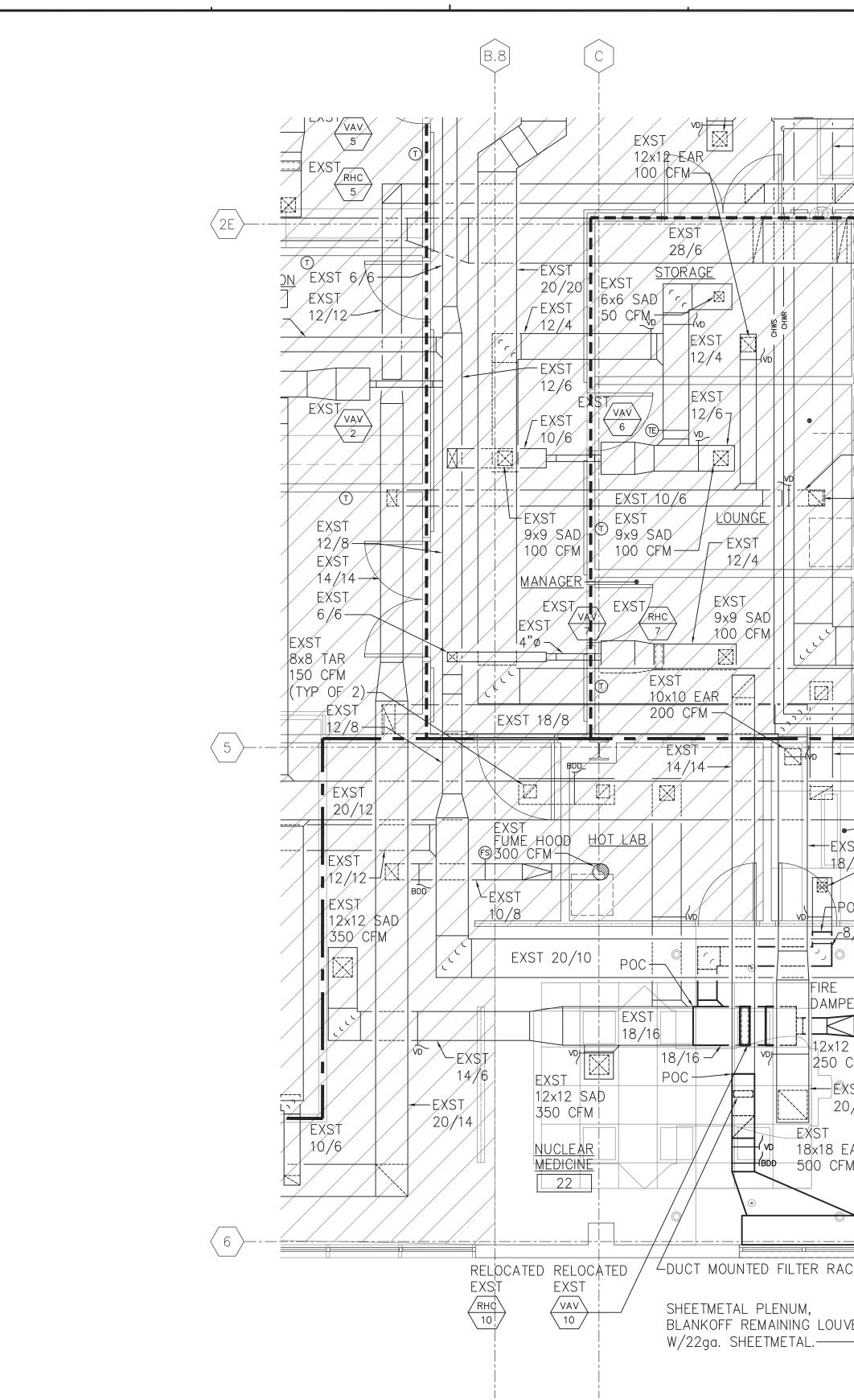
SMOKE RATED WALL (EXST)

12'

8'

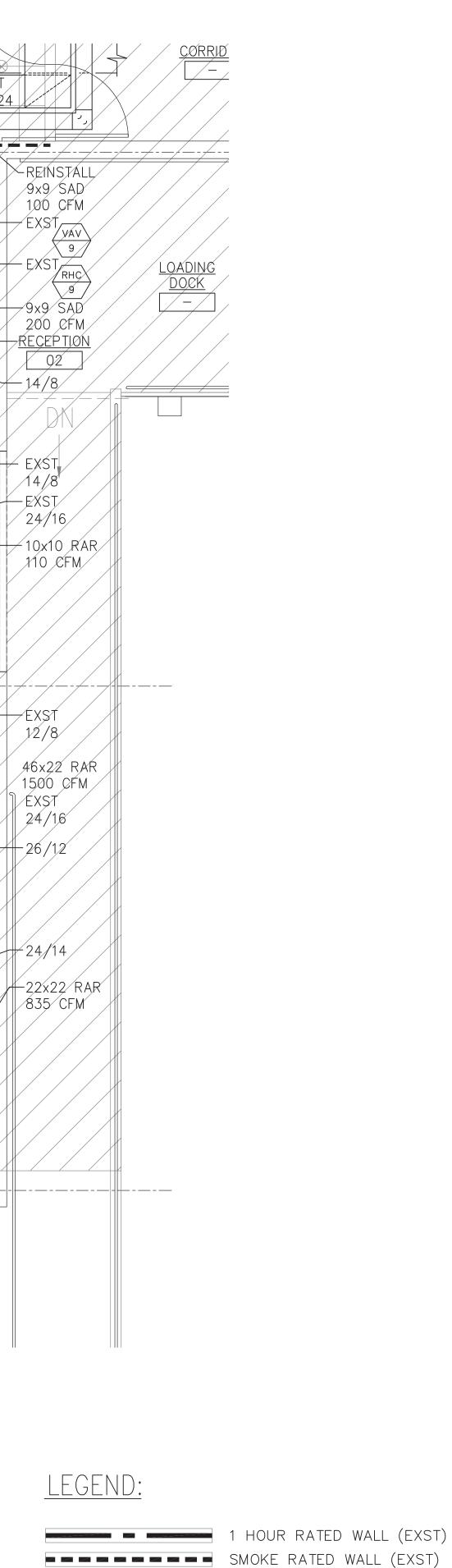
<u>GRAPHIC SCALE</u>

1/4" = 1'-0" 4' 0' 4'



				D.4				E
EXST 20720		EXS 12/0			WiFi MD		EXST 16/12	EXST 16/24
				EXST 10/4 EXST /0/4 8x8/EAR 100 CFM		EXST 24/16 RESTROOM -EXST		
	MECHANICAL XST AHU			HOLDI		10/4 -EXST 9x9 EAR 100 CFM POC		
9x9 ÉAR 100 CFM EXST 1 172"CD	EXST FS		EXST 1 1/2"CD	26/14 RE 8x 42 <u>0F</u>	TVAV 8 INSTALL 8 RAR 12 0 CFM FICE 04	ST POC	9x9 SA 0200 CF	
EXST AHU 2 EXST 20/20 EXST -20/20			EXST AHU 3 EXST EXST RHC	200 200 200 6x6 SA 100 CF	0 RAR 420 CFM EXST 12/ D EXST 12/6	© − − 6x6 SA 100 CF 0 − − 6″ø		
EXST 10/4 EXST 20/12 EXST 18/8 EXST	12x12 [SAD]	Tos X	12x12 SA 250 CFM			EXST 57 57 VAV 13 EXST 57 57 VAV 13 EXST 57 24/16	6x6 SAD 110 CFM	
POC 50 CFM −8/4 10"ø 0 EXST 20/10 10/1 10/1				16//8 500	8 SAD CFM OF 6)			
12 RAR D CFM EXST 20/6 EAR	• SD							
/ /	14x14 RAR 290 CFM — <u>LAB 2</u> 			MOUNTED		PROVIDI EXISTIN ADMIN,	E ALTERNATE NO E RIGID INSULATIO G DUCTS IN RECE OPEN LAB, OFFIO Y, AND LABS 1	ON FOR EPTION, CES 1&2,





HAWAII HEALTH SYSTEMS C O R P O R A T I O N Quality Healthcare for All **E**]} V Kona COMMUNITY HOSPITAL 79–1019 HAUKAPILA STREET KEALAKEKUA, HAWAII 96750 ADDRESS \bigcap \bigcirc \bigcirc \vdash \square \bigcirc \cap ANE ONS \bigcirc \gtrsim $\overline{\square}$ \triangleleft . _____ _____ _____ \leq _____ \bigcirc \triangleleft MIS \bigcirc _____ _____ \triangleleft \bigcirc \triangleleft NEW DATE REVISION NO **ERSKINE ARCHITECTS, INC** 540 LAGOON DR., SUITE 4 HONOLULU, HI. 9681 (808) 833-8891 www.erskinearchitects.cor KEYPLAN: LICENSED PROFESSIONAL ENGINEER 16319—N THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 16–115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS). PROJECT NO. 19-16.1 TEC

<u>GRAPHIC SCALE</u>

1/4" = 1'-0" 4' 0' 4' 8'

12'

DRAWN BY:

JUNE 2022

AS SHOWN

PARTIAL LABORATORY

M06

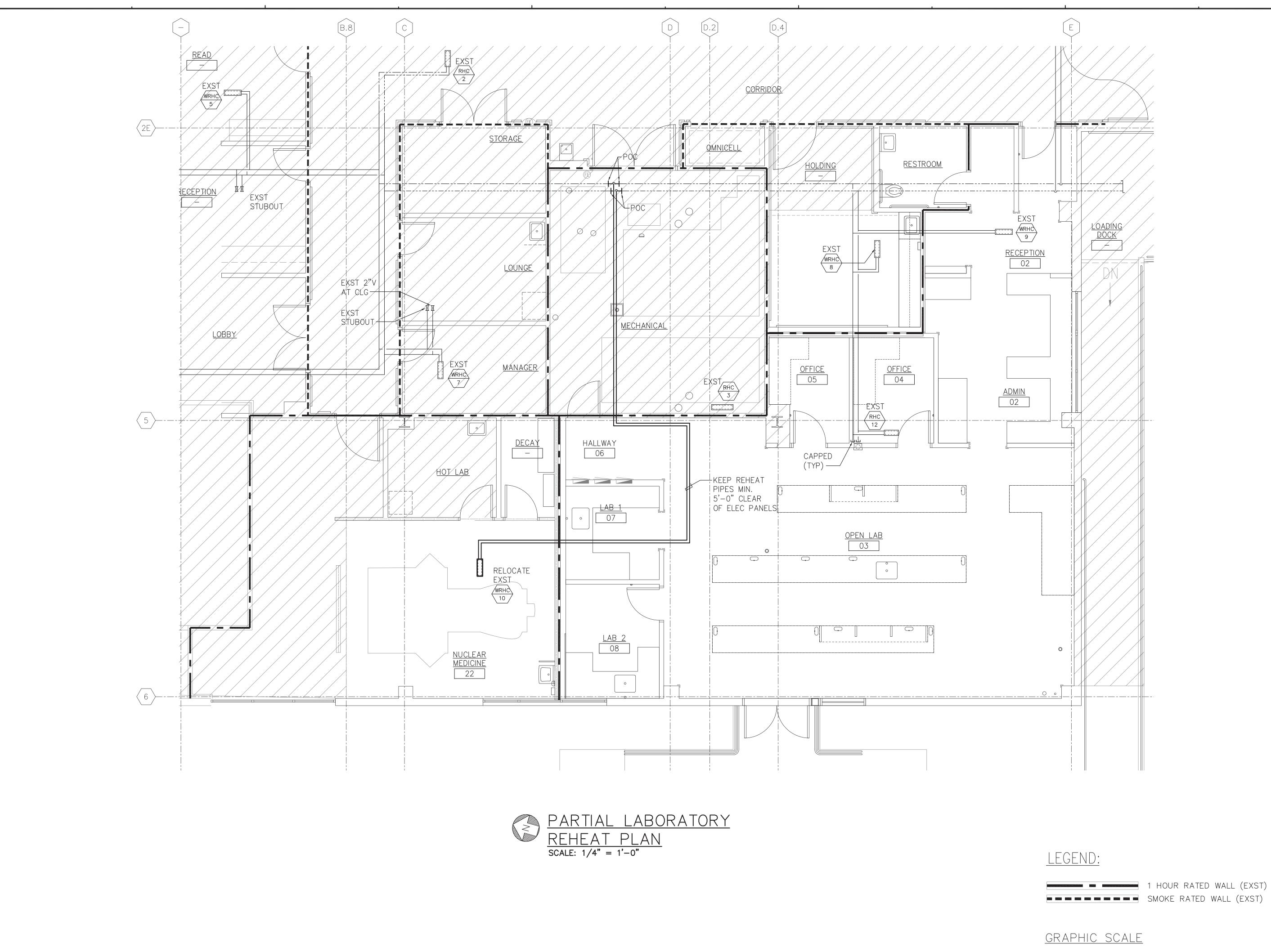
MECHANICAL PLAN

DATE:

SCALE:

TITLE:

NUMBER:



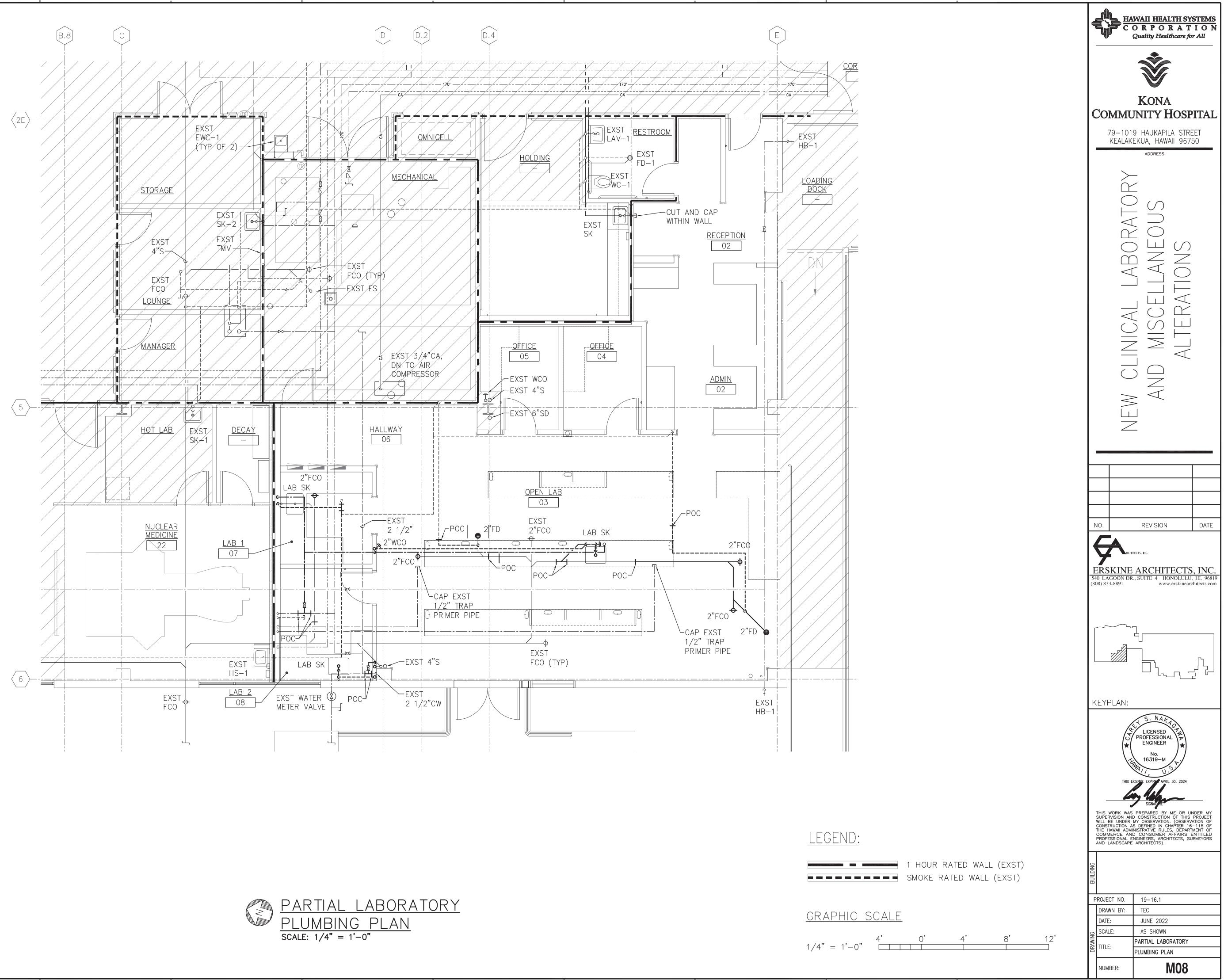
		RPO uality Hea		ION
		Ŵ		
		V Kon <i>i</i>	ł	
		VITY I		
		HAUKAPI (UA, HAW		
	NEW CLINICAL LABORATORY	AND MISCELLANEOUS	ALTERATIONS	
NO.		REVISION		DATE
ERSK 540 LAG (808) 833-	OON DR., S	ARCHIT	TECTS	, HI. 9681
SUPERVI WILL BE	THIS LICEN	ENGINEER No. 16319-M ISE EXPIRE APR SIGNATIVE CONSTRUCTIO OBSERVATIO	ME OR UI	PROJECT
THIS WO SUPERVI WILL BE CONSTRI THE HAI COMME PROFES: AND LAI	THIS LICEN THIS LICEN DRK WAS P UNDER MY JCTION AS I WAII ADMINIS RCE AND	ENGINEER No. 16319-M JEE EXPIRE APR SIGNATI RE	ME OR UI N OF THIS N. (OBSERV HAPTER 16 ES, DEPART AFFAIRS E	PROJECT ATION OF -115 OF MENT OF ENTITLED
THIS WO SUPERVI WILL BE CONSTRI THE HAN COMME	THIS LICEN THIS LICEN THIS LICEN ORK WAS P UNDER MY JUCTION AS IN WAII ADMINIS RCE AND SIONAL ENG NDSCAPE AI	ENGINEER No. 16319-M ISE EXPIRE APR SIGNATIKE REPARED BY CONSTRUCTIO DEFINED IN CO STRATIVE RULL CONSUMER	ME OR UI N OF THIS N. (OBSERV HAPTER 16 ES, DEPART AFFAIRS E	PROJECT ATION OF -115 OF MENT OF ENTITLED
THIS WC SUPERVI WILL BE CONSTRI THE HAI COMME PROFES: AND LAI	THIS LICEN THIS LICEN ORK WAS PO UNDER MY JUCTION AS IN WAII ADMINIS RCE AND NDSCAPE AI	ENGINEER No. 16319-M ISE EXPIRE APR SIGNATIVE REPARED BY CONSTRUCTIO DEFINED IN CO STRATIVE RULL CONSUMER INEERS, ARCH RCHITECTS).	ME OR UI N OF THIS N. (OBSERV HAPTER 16 SS, DEPART AFFAIRS E HITECTS, SU	PROJECT ATION OF -115 OF MENT OF ENTITLED

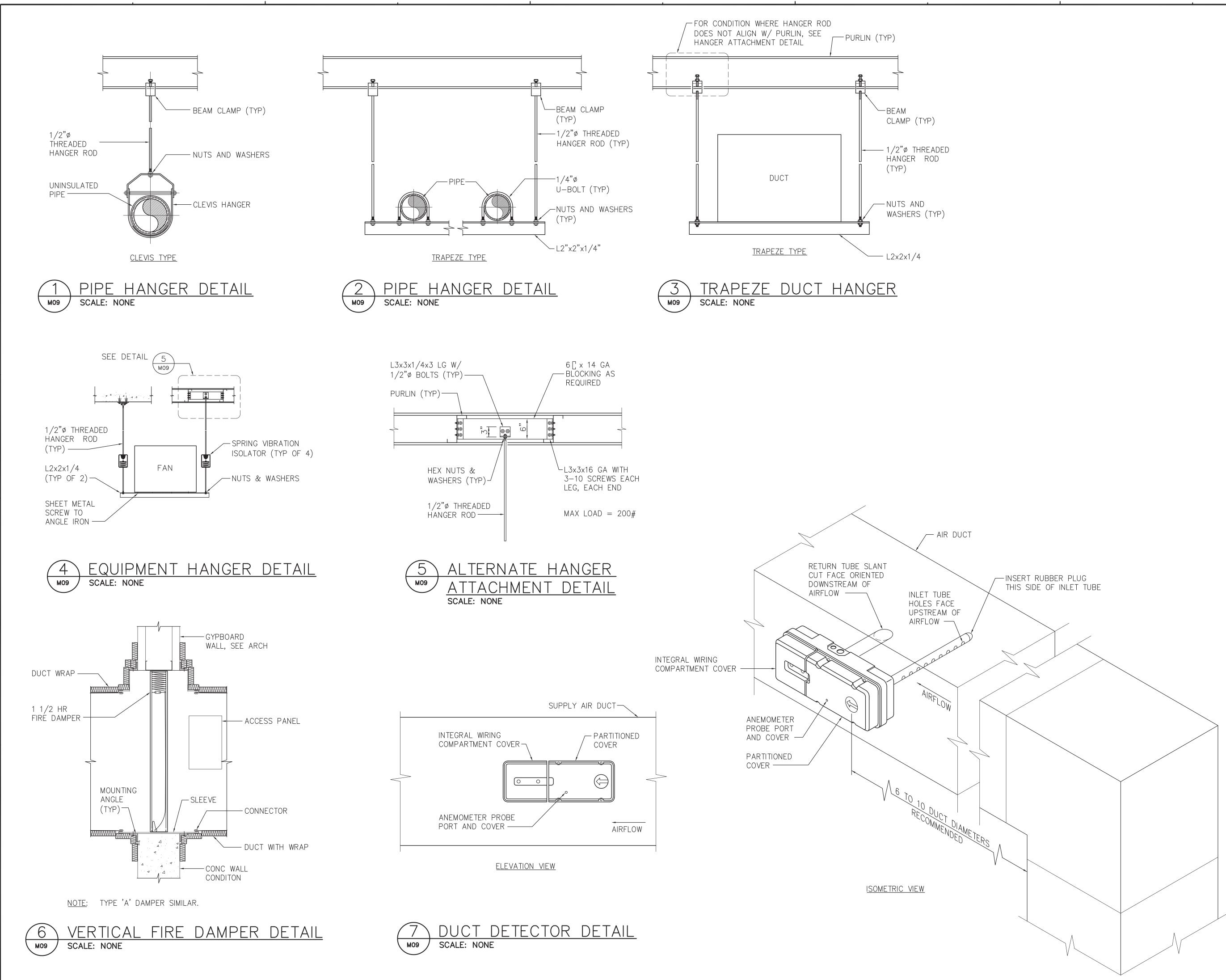
M07

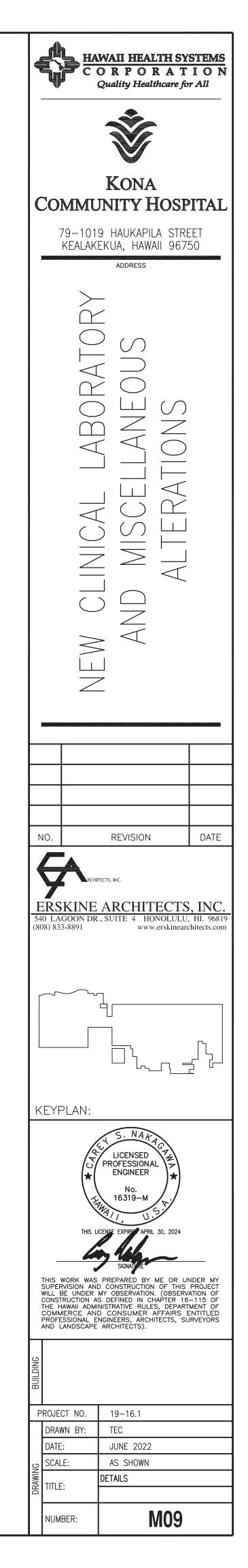
NUMBER:

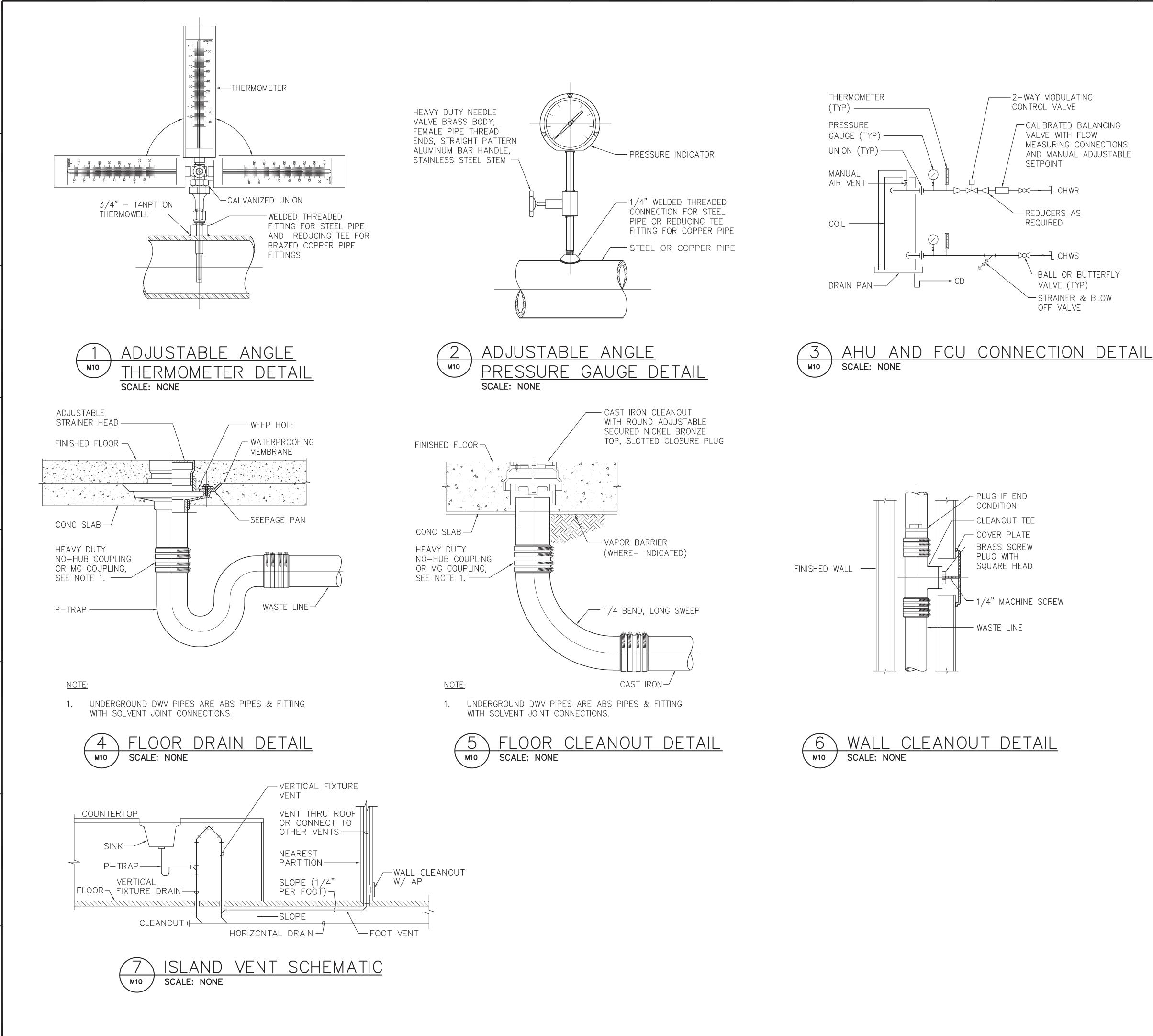
$$1/4" = 1'-0"$$
 $4'$
 $0'$
 $4'$
 6

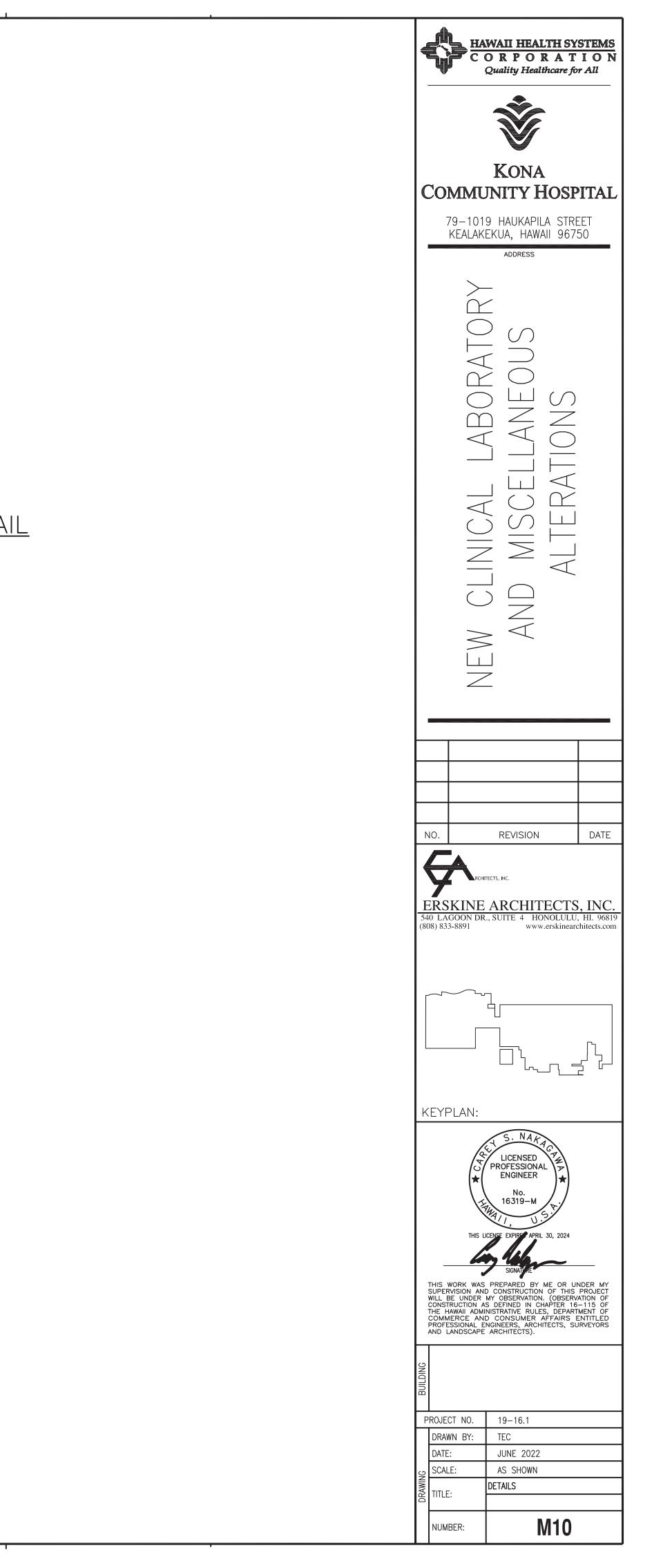
8' 12'











<u>Fan coil unit schedule</u>

FAN COIL UNITS SHALL BE SINGLE ZONE, 1,800 RPM MAXIMUM MOTOR SPEED, FORWARD CURVED BLADES, WITH CAPACITIES TO MATCH CONDITIONS INDICATED. PROVIDE STARTERS.

									,			,										
					FAN S	SECTION	1		COOLING COIL SECTION								FILTER S	SECTION		WEICHT		
	NO	UNIT ORIENTATION	SA	OA	E.S.P.	MIN	DRIVE	FAN	EAT	ECHWT	LCHWT	MIN	TCC* SC (BTUH) (BT	C* CF	IW C⊦	HW AP	THICKNESS	TYPE	ELECTRICAL POWER	WEIGHT (LBS)	REMARKS	
		UNILINIATION	CFM	CFM	("w.g.)	HP	DRIVE	SPEED	(DB/WB)	(°F)	(°F)	MIN ROWS	(BTUH) (BT	JH) GF	PM 0	(FT)	(in)	TIPE	POWLIN			
Г	FCU	HORIZONTAL	7 0 1 0	1 505	1.0	7		0.01	777/016	4.5	FF		111 000 000			10 E	0		2001/74/6017		CARRIER 42BH, TRANE OR APPROVED E	
	$\overline{1}$	BELT DRIVEN	3,840	1,505	1.0	3	BFLI	861	73.3/61.5	40	55	6	114,800 92,6		2.8	12.5	Z	MERV 13	208V/3Ø/60HZ	_		
*	MINIMIIN	I NET COOLING CAR					•	•				•	• • •							•		

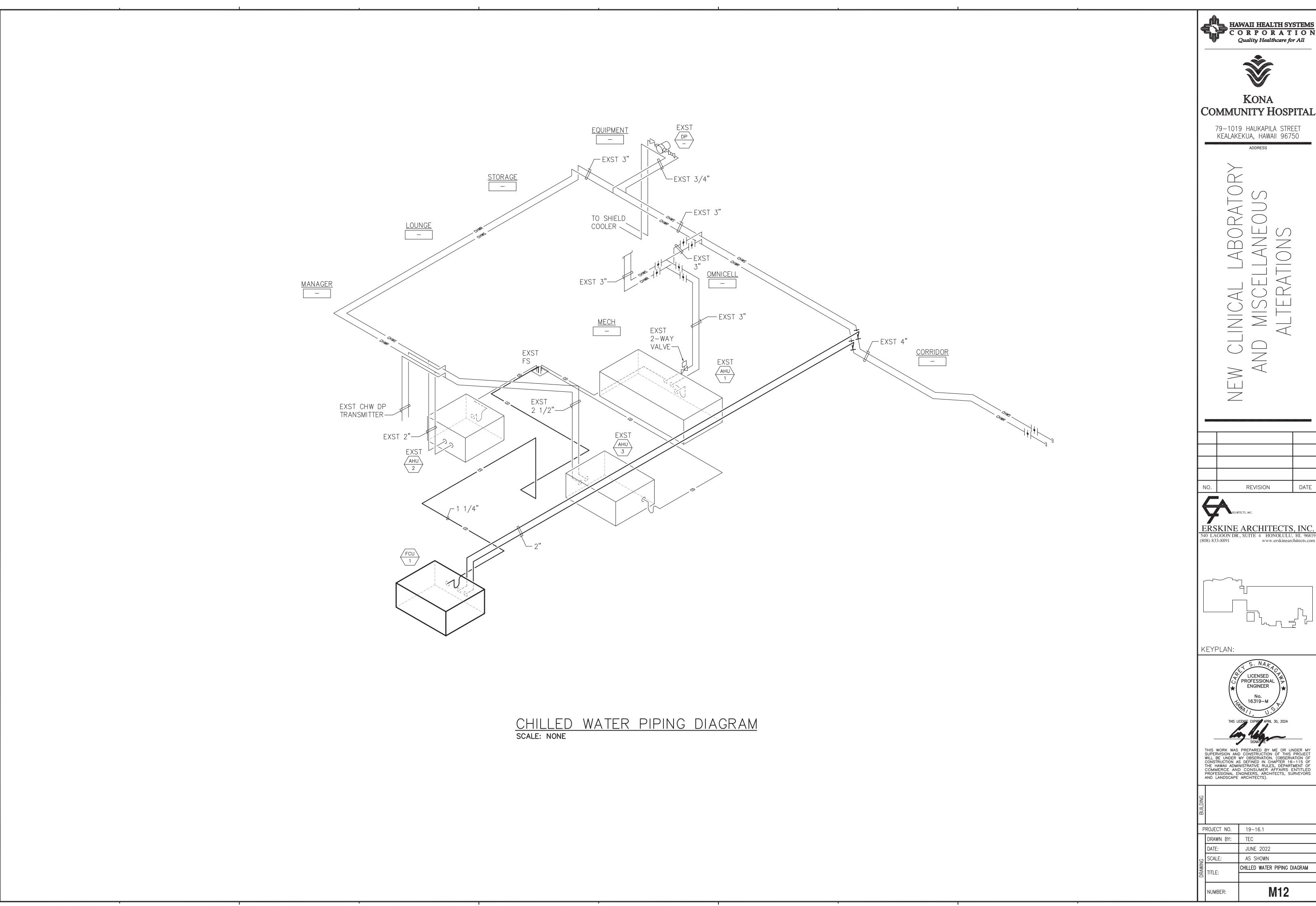
MINIMUM NET COOLING CAPACITIES

			AIR C												AIR CONDITIONING SYSTEM																								
	NG NO.		HARDWARE														SOFTWARE																						
DUILDII	NG NO.		OUTPUT						INPUT											RMS																			
		_ <u> </u>	DIGIT	AL	ANALOG					DIGI		ANALOG					DIGITAL ANALOG					OG														_			
SYSTE	M(S):								T	<u>v</u>																													
CONST	TANT AIR VOLUME	/OFF)							SURE SWITCH	FAN STATUS			EES F)						ALARM					OP		VENTILATION		LATION	L	TION	ELECTION			ET Reset			ONITORING		
FCU IN	DESCRIPTION: NDIVIDUAL ROLLER	OL RELAY (ON,	UIU OFF/AUTO	1 1-	ATING	DINT ADJUST	SPEED COLUMN		AL PRES	CONTACT		CT CLOSURE		RELATIVE HUMIDITY IG, PSIA, PSID	NC	LN	Ň	CT CLOSURE	FAIL FEEDBACK	R FAIL	MIT	ME	CTADT.	ART/ST	U	TROL	DAT/NIGHT SEIBACK ECONOMIZER	ATION/RECIRCULATION	HOT/COLD DECK RES	ROILFR SFLFC	HOT WATER BOILER SELECTI	HOT WATER OA RESET	SELECT	TER RES	IAND LI	NG CONTROL	BOILER M		MOUL
	GRAPHIC DISPLAY POINT OF DESCRIPTION	CONTROL	HAND	OFF/A	MODUL	SET POINT	VFD SI VFD C(4-20mA	DIFFERENTI/	FLOW SWITC	PULSE	CONTA -	TEMPE	% REL/ PSIG, F	POSITI(CURRENT	AIRFLOW	CONTACT	FLOW	SENSO	LOW LIMIT	RUN T		OPTIMUM ST	DUTY (DEMAN	ECONO	VENTILATION,	HOT/C	STFAM	HOT W	нот w	CHILLER	CHILLED	CHILLER DEN	LIGHTING	REMOTE CONTROL		
	AHU																																						
	SUPPLY FAN	•								•									•			•		•															
	COOLING COIL CONTROL VALVE				•										•																								
	SUPPLY AIR TEMPERATURE					•							•							• •	• •																		
	RETURN AIR TEMPERATURE												•							• •	• •																		
	OUTSIDE AIR TEMPERATURE												•							• •	• •																		
	ROOM TEMPERATURE					•							•							• •	• •																		
	ROOM HUMIDITY													•																									
	OUTSIDE AIR HUMIDITY													•																									
	SA DUCT SMOKE DETECTOR											•																											
	CHWS TEMPERATURE												•							• •	• •																		
	CHWR TEMPERATURE				\neg								•							• •	• •																		
	OUTISDE AIR DAMPER	•			•										•																								
	MIXED AIR TEMPERATURE					•							•							• •	• •																		
	COOLING COIL LEAVING TEMP												•								• •																		

DDC CONTROLS SHALL BE BY SETPOINT SYSTEMS (WWW.SETPOINTSYSTEMS.COM)

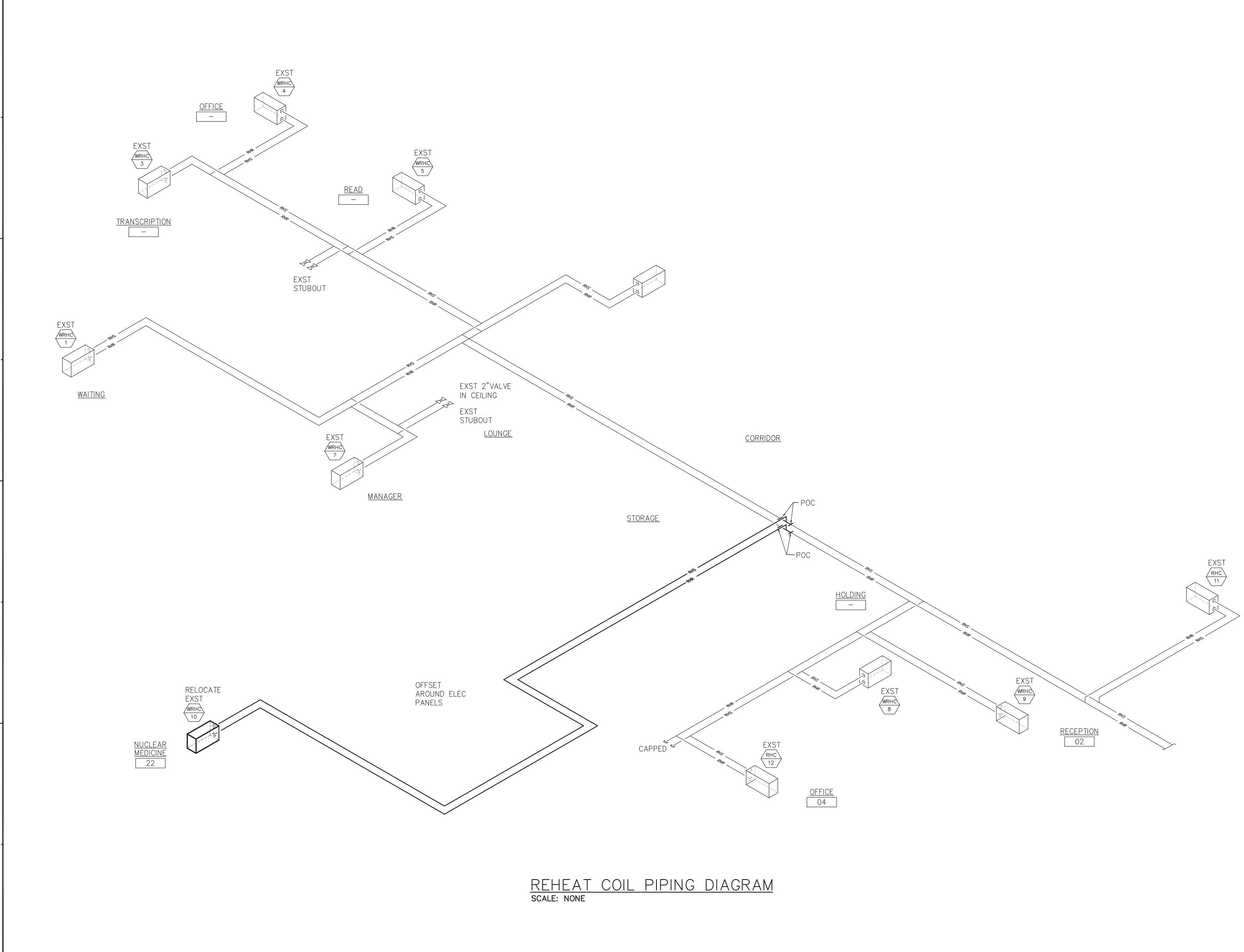
<u>DDC SYSTEM POINTS LIST</u>

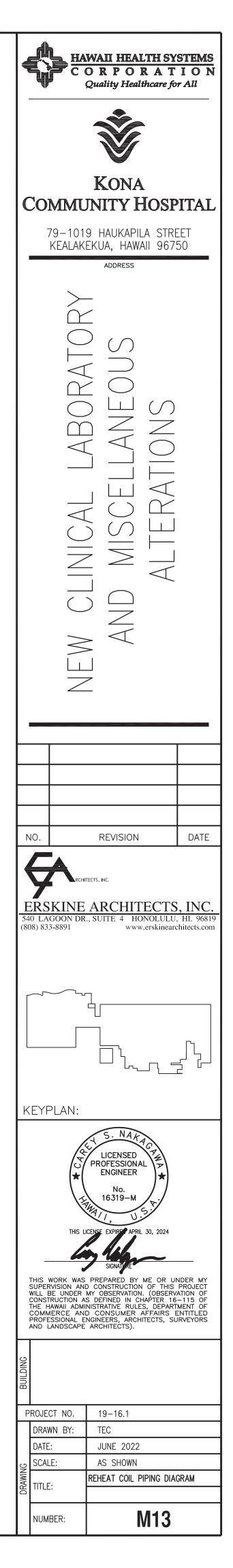
			L C	WAII HEALTH S O R P O R A T Quality Healthcare J	TION
				Ŵ	
KS		C		KONA JNITY HOS	
ED EQUAL.		•		9 HAUKAPILA STE EKUA, HAWAII 96 address	
			ICAL LARORATORY	ISCELLANEOUS TFRATIONS	
NOTES			NFW OLINI		
		-			
		N	0.	REVISION	DATE
		E 544 (80	T	ARCHITECT, , SUITE 4 HONOLULI www.erskinea	S, INC. U, HI. 96819 rchitects.com
	-	K	EYPLAN:	LICENSED PROFESSIONAL ENGINEER No. 16319-M Y	
				CENSE EXPIRE APRIL 30, 2024 SIGNATURE PREPARED BY ME OR CONSTRUCTION OF THIS MY OBSERVATION. (OBSER S DEFINED IN CHAPTER 1 NISTRATIVE RULES, DEPAF D CONSUMER AFFAIRS NGINEERS, ARCHITECTS, S ARCHITECTS).	UNDER MY S PROJECT EVATION OF 6-115 OF RTMENT OF ENTITLED SURVEYORS
		BUILDING	ROJECT NO.	19–16.1	
			DRAWN BY: DATE: SCALE: TITLE:	TEC JUNE 2022 AS SHOWN MECHANICAL EQUIPMEN AND DDC SYSTEM POIN	
			NUMBER:	M11	

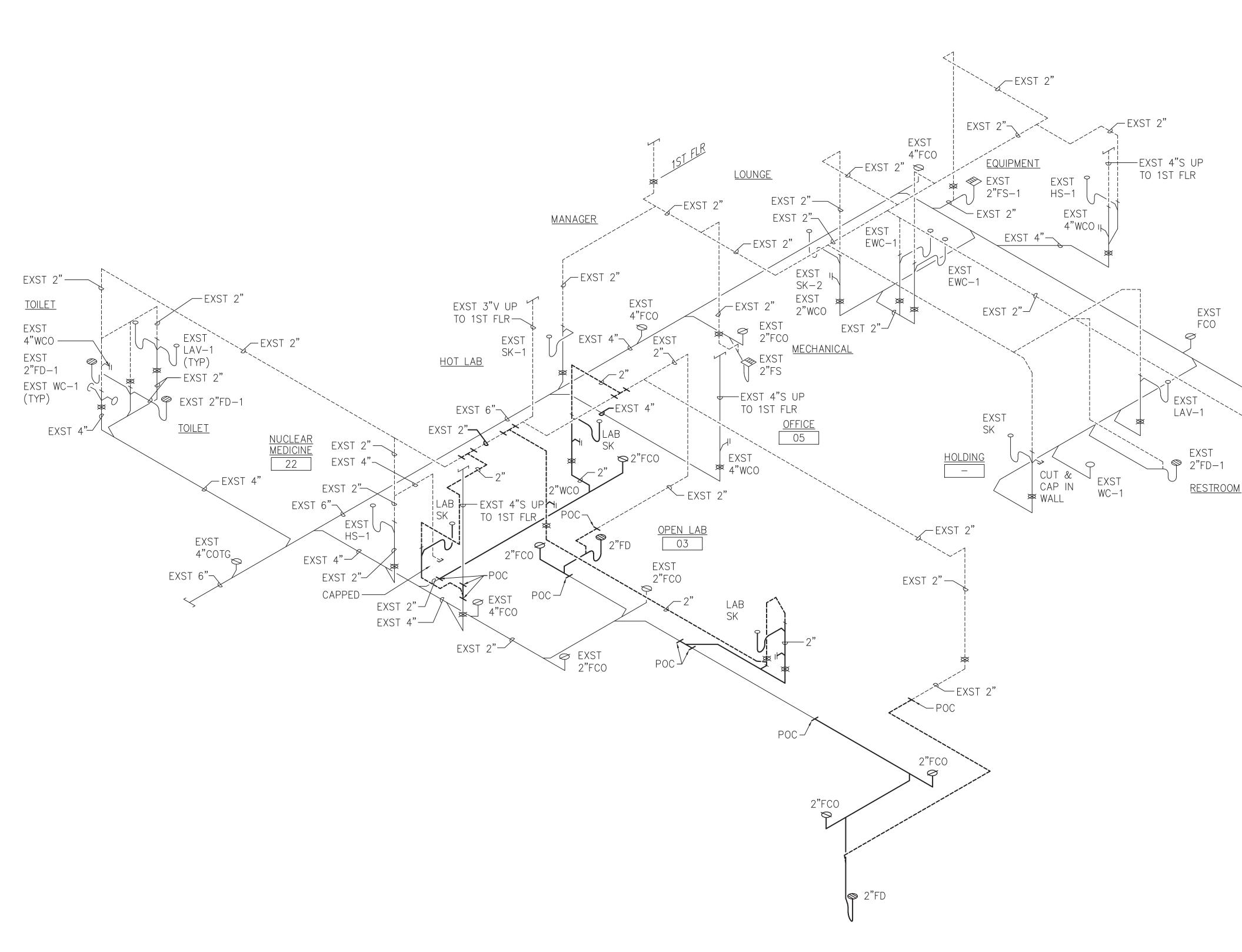


DATE

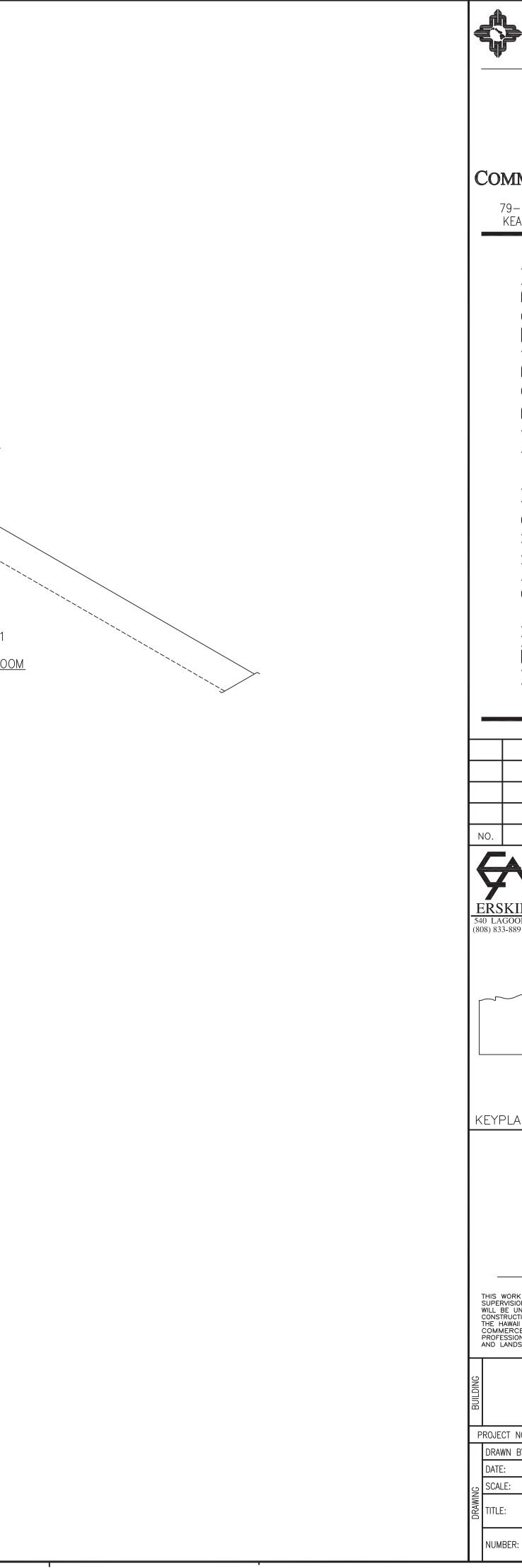
M12

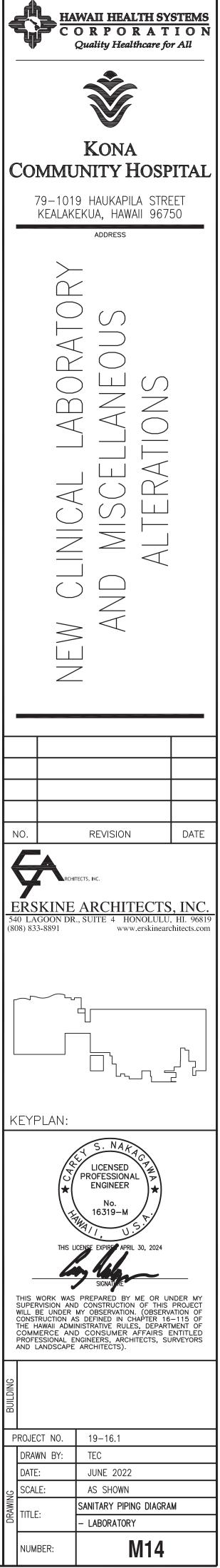


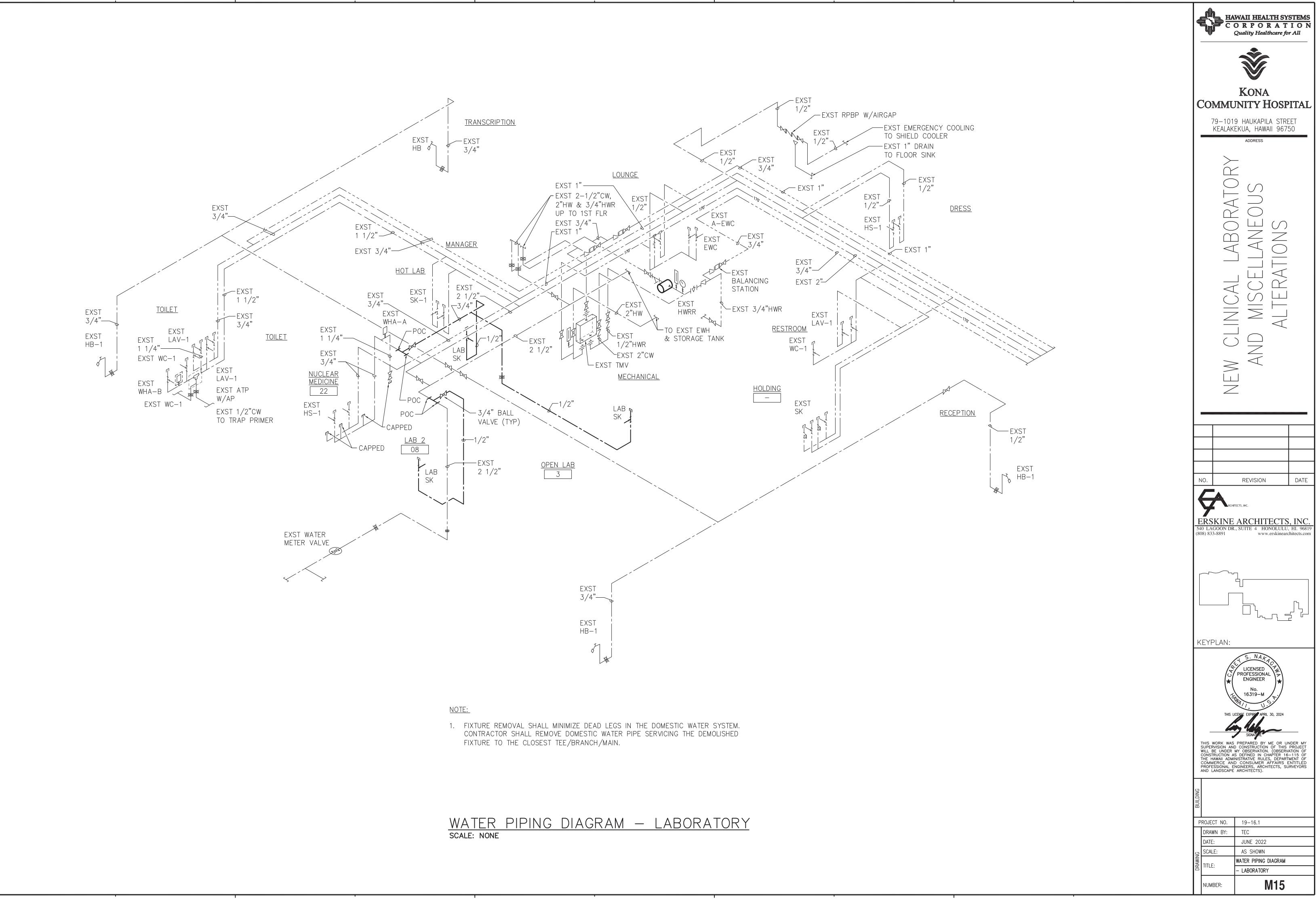




<u>SANITARY PIPING DIAGRAM – LABORATORY</u> scale: none







	RE SAFETY NOTES
	FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 16, 2012 NFPA 1, AS AMENDED.
	WHERE BUILDING ALTERATIONS REQUIRED MODIFICATIONS OF EXISTING FIRE SUPPRESSION SYSTEMS, THE CONTRACTOR SHALL IMPAIR ONLY SECTIONS OF THE SYSTEM WHERE THE WORK IS INVOLVED AND THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE. PRIOR TO IMPAIRING THE WATER SUPPLY TO ANY FIRE SUPPRESSION SYSTEM, THE CONTRACTOR SHALL COMPLY WITH ALL PROVISION OF NFPA 1, 2012, CHAPTER 16.
•	WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.
	WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF THE FIRE PROTECTION SYSTEM, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND THE FIRE DEPARTMENT SHALL BE NOTIFIED.
).	WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AHJ SHALL HAVE THE AUTHORITY TO ENFORCE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE.
•	AS NECESSARY DURING EMERGENCIES, MAINTENANCE DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE—EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE—WARNING SYSTEM SHALL BE PERMITTED TO BE MADE INOPERABLE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN NFPA 1, AS AMENDED, AT NO COST TO THE AHJ AND OWNER.
•	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 CHAPTER 16, 2012 PER NFPA 1, AS AMENDED.
•	THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE THAT CONSTRUCTION DOCUMENTS FOR FIRE PROTECTION SYSTEMS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL AND A PERMIT BE ISSUED PRIOR TO THE INSTALLATION, REHABILITATION, OR MODIFICATION. FURTHER, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE THAT ACCEPTANCE TESTS OF THE SYSTEMS BE PERFORMED IN THE AHJ'S PRESENCE PRIOR TO FINAL SYSTEM CERTIFICATION.
•	FIRE ALARM SYSTEMS, FIRE HYDRANT SYSTEMS, FIRE-EXTINGUISHERS, STANDPIPES, AND OTHER FIRE PROTECTION SYSTEMS AND APPURTENANCES REQUIRED BY THIS CODE SHALL BE APPROVED BY THE AHJ AS TO INSTALLATION AND LOCATION AND SHALL BE SUBJECT TO ACCEPTANCE TESTS REQUIRED BY THE APPROPRIATE COUNTY AGENCY. A COPY OF A SYSTEM'S UNSATISFACTORY INSPECTION AND MAINTENANCE TEST REPORT SHALL BE SUBMITTED TO THE AHJ BY TESTING COMPANY WITHIN (5) WORKING DAYS AFTER THE COMPLETION OF THE TEST. NFPA 1, CHAPTER 13 AS AMENDED.
-10	RE PROTECTION GENERAL NOTES
	FIRE PROTECTION SYSTEM DESIGN, INSTALLATION, MATERIALS, AND EQUIPMENT SHALL BE IN ACCORDANCE
	WITH THE 2018 INTERNATIONAL BUILDING CODE, AS AMENDED. FIRE PROTECTION SYSTEM TESTING SHALL BE IN ACCORDANCE WITH THE 2012 NFPA 1 UNIFORM FIRE CODE, AS AMENDED.
	PROVIDE APPROVED FIRESTOPPING MATERIALS FOR PIPE PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS, AND FLOOR-CEILING ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF RATED WALLS, PARTITIONS, AND FLOOR-CEILING ASSEMBLIES.
•	SEE ARCHITECTURAL DRAWINGS FOR LIMITS OF WORK AND CONSTRUCTION PHASING.
-	RE SPRINKLER NOTES
	DEVICES AND EQUIPMENT SHALL BE UL LISTED OR FM APPROVED.
2.	AUTOMATIC WET PIPE SPRINKLER PROTECTION SHALL BE PROVIDED THROUGHOUT THE INDICATED AREAS AS REQUIRED TO PROVIDE 100% COVERAGE.
3.	THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 AND AS FOLLOWS:
	ALL AREAS EXCEPT THOSE LISTED BELOW: LAB 1, LAB 2, OPEN LAB
	OCCUPANCY CLASSIFICATION: LIGHT HAZARD
	SPRINKLER FINISH:CHROMESPRINKLER K-FACTOR:K = 5.6SPRINKLER TEMPEDATURE RATING455 RECEER F
	SPRINKLER TEMPERATURE RATING: 155 DEGREES F SPRINKLER TYPE: QUICK RESPONSE CONCEALED PENDENT WITH WHITE COVER PLATE
	PROVIDE PENDENT FIRE SPRINKLER WITH ADJUSTABLE ESCUTCHEONS IN AREAS WITH SURFACE MOUNTED LIGHT FIXTURES.
	LAB 1, LAB 2, OPEN LAB:
	OCCUPANCY CLASSIFICATION: ORDINARY HAZARD GROUP 1 SPRINKLER FINISH: CHROME
	SPRINKLER K-FACTOR: $K = 5.6$ SPRINKLER TEMPERATURE RATING: 155 DEGREES F
	SPRINKLER TYPE: WITH WHITE COVER PLATE
	PROVIDE PENDENT FIRE SPRINKLER WITH ADJUSTABLE ESCUTCHEONS IN AREAS WITH SURFACE

SPRINKLER NOTES (CONT.)

PROVIDE NEW MATERIALS AND EQUIPMENT. CONTRACTOR SHALL NOT RE-USE EXISTING SPRINKLER EADS, PIPING, FITTINGS, ETC. FLEXIBLE FIRE SPRINKLER PIPE DROPS AND BRACKET ASSEMBLIES THAT RE DISCONNECTED TO ACCOMMODATE CEILING TILE REMOVAL ARE PERMITTED TO BE REUSED. ANY ROPS OR BRACKETS FOUND TO BE DAMAGED SHALL BE REPLACED.

PRINKLER PIPING SHALL COMPLY WITH NFPA 13 EXCEPT THAT PLASTIC PIPE AND COPPER TUBING HALL NOT BE PERMITTED. PIPING SHALL BE STEEL. PIPE SIZES LESS THAN 2–1/2 INCHES SHALL BE CHEDULE 40 STEEL. PIPE SIZES 2-1/2 INCHES AND LARGER SHALL BE SCHEDULE 10 OR 40 STEEL.

ROVIDE NEW SWAY BRACING ON ALL NEW AND EXISTING FIRE SPRINKLER RISERS, MAINS, AND BRANCH INES 2-1/2 INCHES AND LARGER WITHIN THE AREA OF WORK IN ACCORDANCE WITH NFPA 13 AND SCE/SEI 7.

ROVIDE NEW BRANCH LINE RESTRAINTS FOR NEW AND EXISTING PIPING WITHIN AREA OF WORK IN CCORDANCE WITH NFPA 13 AND ASCE/SEI 7.

PRINKLER PIPING IN FINISHED AREAS SHALL BE CONCEALED FROM VIEW.

PRINKLER AND PIPING LAYOUTS ARE CONCEPTUAL. THE CONTRACTOR SHALL VERIFY THE QUANTITY ND ARRANGEMENT OF SPRINKLERS. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATION SPRINKLER COMPONENTS RELATIVE TO PARTITIONS, SOFFITS, LIGHT FIXTURES, MECHANICAL DUCTWORK, STRUCTURAL MEMBERS, ARCHITECTURAL FEATURES, ETC., AND COORDINATE WITH THE VARIOUS TRADES.

IRE SPRINKLER PIPING AND HANGERS SHALL NOT TOUCH OR BE USED TO SUPPORT NON-SYSTEM OMPONENTS (CONDUITS, CABLES, MECHANICAL DUCTWORK, CEILING GRID, ETC.). NON-SYSTEM COMPONENTS TOUCHING OR SUPPORTED BY THE FIRE SPRINKLER SYSTEM SHALL BE REMOVED, EROUTED, AND/OR INDEPENDENTLY SUPPORTED.

PROVIDE APPROVED FIRESTOPPING MATERIAL IN PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND LOOR/CEILING ASSEMBLIES.

ROPER TYPES OF SPARE SPRINKLERS, STOPPERS, AND WRENCHES SHALL BE PROVIDED AND STORED IN CABINET AT THE RISER AS FOLLOWS:

A. SPRINKLERS:

LESS THAN 300 SPRINKLERS 300 TO 1000 SPRINKLERS MORE THAN 1000 SPRINKLERS

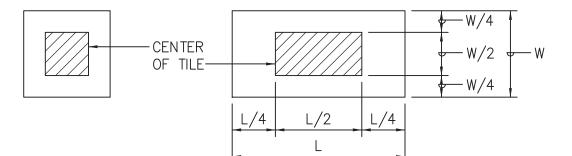
MINIMUM 6 SPARE SPRINKLERS MINIMUM 12 SPARE SPRINKLERS MINIMUM 24 SPARE SPRINKLERS

B. THREE (3) SPRINKLER STOPPERS

C. ONE (1) SPRINKLER WRENCH

HE STOCK OF SPARE SPRINKLERS, STOPPERS AND WRENCHES SHALL INCLUDE TYPES, ATINGS AND SIZES INSTALLED IN THE SYSTEM.

TRE SPRINKLERS SHALL BE PLACED APPROXIMATELY IN THE CENTER OF TILE UNLESS OTHERWISE IDICATED ON THE DRAWINGS. THE CENTER SHALL MEAN WITHIN THE CENTER 50% OF THE TILE AS HOWN.



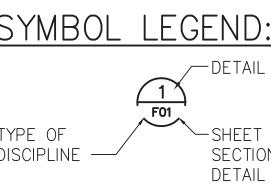
ROVIDE IN-SERVICE TESTING OF NEW AND EXISTING PIPING IN ACCORDANCE WITH NFPA 13.

IRE SPRINKLER PIPING SHALL NOT BE ROUTED BELOW AIR HANDLING UNITS OR OBSTRUCT MAINTENANCE ACCESS. FIRE SPRINKLER PIPING NEAR ELECTRICAL EQUIPMENT SHALL BE LOCATED IN ACCORDANCE ITH THE NATIONAL ELECTRICAL CODE.

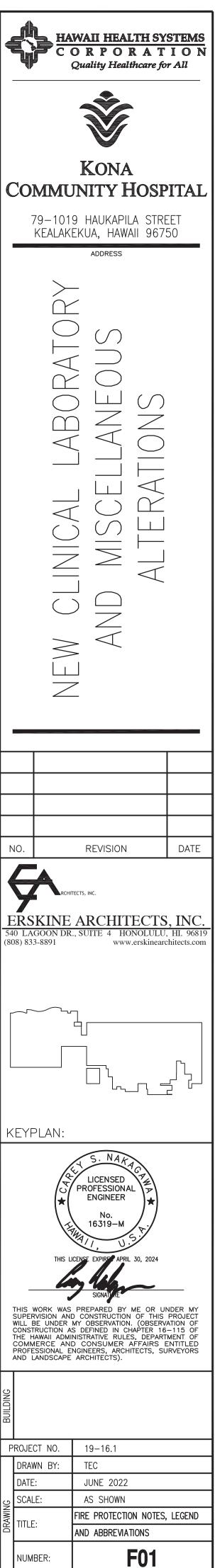
XISTING FIRE SPRINKLER IS SUPERVISED BY THE EXISTING FIRE ALARM SYSTEM IN ACCORDANCE WITH 018 IBC SECTION 903.4. NEW PRESSURE SWITCH AND VALVE TAMPER SWITCH SHALL BE CONNECTED O THE EXISTING FIRE ALARM SYSTEM IN ACCORDANCE WITH IBC 2018, CHAPTER 9 AS AMENDED.

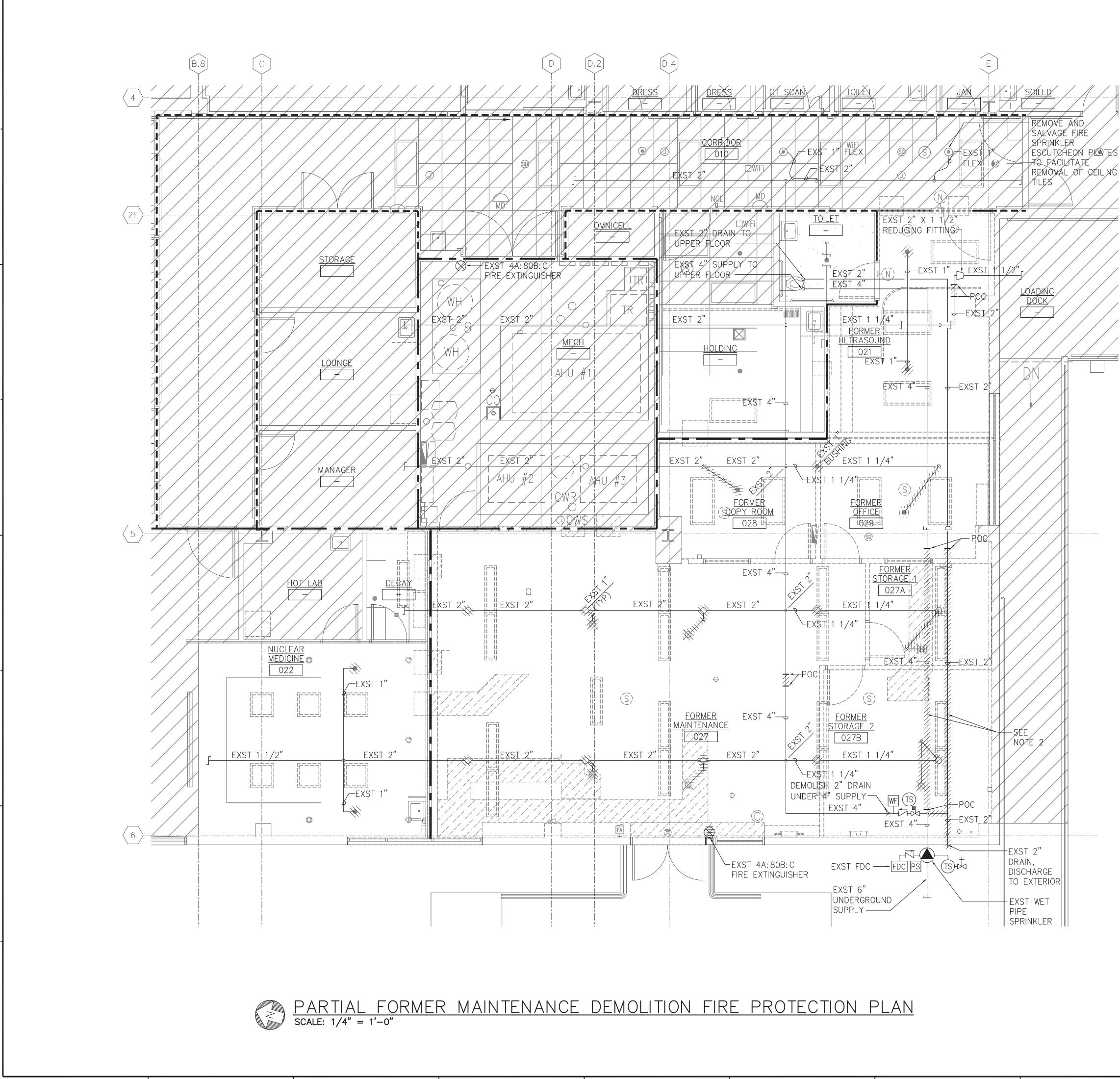
HE EXISTING WATER METER IS ADEQUATE TO SERVICE THE AUTOMATIC FIRE SPRINKLER SYSTEM, ICLUSIVE OF THIS PROJECT'S SCOPE OF WORK.

ONTRACTOR SHALL COORDINATE WITH SIMPLEX FOR MODIFICATIONS THAT IMPACT THE FIRE ALARM YSTEM INSTALLATION.



			Co
			-
<u>RE E</u>	<u>XTINGUIS</u>	HER NOTES	_
INSTALL CODE.	L FIRE EXTINGUISI	HERS AND CABINETS IN ACCORDANCE WITH NFPA 10 AND NFPA 1 UNIFORM FIRI	E
FIRE EX	XTINGUISHERS SH	ALL BE PROVIDED IN THE AREA OF WORK TO PROVIDE 100% COVERAGE.	
<u>ímbo</u>	L LEGEN	D:	
		AIL NUMBER	
	$ 1^{\times} $		
E OF XIPLINE —	SHE	ET WHERE TION OR	
		AIL IS DRAWN	
	N AND DETAIL		
<u>SECTIO</u>	IN AND DETAIL	<u>SYMBOL</u>	
<u>SECTIO</u>	IN AND DETAIL	<u>SYMBOL</u>	_
<u>SECTIO</u>	IN AND DETAIL	<u>SYMBOL</u>	-
FIRE	E PROTEC	CTION LEGEND & ABBREVIATIONS	-
FIRE	E PROTEC	CTION LEGEND & ABBREVIATIONS DESCRIPTION	NO.
FIRE	PROTEC ABBREVIATIONS	CTION LEGEND & ABBREVIATIONS	NO.
FIRE	E PROTEC ABBREVIATIONS AFF	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR	NO.
FIRE	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST	ERS 540 LA
FIRE YMBOLS	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED,	ERS
FIRE YMBOLS	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST	ERS 540 LA
FIRE YMBOLS	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED,	ERS 540 LA
FIRE YMBOLS	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A:80B:C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET,	ERS 540 LA
FIRE YMBOLS	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST	ERS 540 LA
FIRE YMBOLS	PROTEC ABBREVIATIONS AFF EXST	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST	ERS 540 LA
FIRE YMBOLS	E PROTEC ABBREVIATIONS AFF EXST FDC	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST	ERS 540 LA (808) 83
FIRE TMBOLS FDC C FEC 0 K	E PROTEC ABBREVIATIONS AFF EXST FDC	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST	ERS 540 LA
FIRE MBOLS	E PROTEC ABBREVIATIONS AFF EXST FDC	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST	ERS 540 LA (808) 83
FIRE YMBOLS FDC C C FEC O C C C C C C C C C C C C C C C C C C	E PROTEC ABBREVIATIONS AFF EXST FDC	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW	ERS 540 LA (808) 83
FIRE TMBOLS FEC FEC FEC FEC FEC FEC FEC FEC	E PROTEC ABBRE VIATIONS AFF EXST FDC FDC FDC FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST	ERS 540 LA (808) 83
FIRE YMBOLS FDC V V FEC O V V V V V V V V V V V V V V V V V V	E PROTEC ABBRE VIATIONS AFF EXST FDC FDC FDC FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST	ERS 540 LA (808) 83
FIRE YMBOLS FDC V V FEC O V V V V V V V V V V V V V V V V V V	E PROTEC ABBRE VIATIONS AFF EXST FDC FDC FDC FS FS FS	CTION LEGEND & ABBREVIATIONS S DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST	ERS 540 LA (808) 83
FIRE YMBOLS FDC V V FEC O V V V V V V V V V V V V V V V V V V	E PROTEC ABBREVIATIONS AFF EXST FDC FDC FDC FS FS FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIRESSURE SWITCH, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED	
FIRE YMBOLS FEC O FEC O PS O TS	E PROTEC ABBREVIATIONS AFF EXST FDC FDC FDC FS FS FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE	KEYI
	E PROTEC ABBREVIATIONS AFF EXST FDC FDC FDC FS FS FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP	ERS 540 LA (808) 83
	PROTEC ABBRE VIATIONS AFF EXST FDC FDC FS FS FS FSR FSR NO/NC NO/NC	CTION LEGEND & ABBRE VIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP PIPE ELBOW DOWN PIPE PLUG PIPE CONTINUATION	
	E PROTEC ABBREVIATIONS AFF EXST FDC FDC FS FS FS FS FS FS FS FS	CTION LEGEND & ABBRE VIATIONS ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: C, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP PIPE ELBOW DOWN PIPE PLUG PIPE PLUG PIPE ONTINUATION PIPE UP/DOWN	KEY
	E PROTEC ABBREVIATIONS AFF EXST FDC FDC FDC FS FS FS FS FS FS FS FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: G, EXST FIRE STINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP PIPE CAP PIPE CAP PIPE CAP PIPE CONTINUATION PIPE TEE DOWN	
	PROTEC ABBRE VIATIONS AFF EXST FDC I FDC I FDC I FDC I <td>CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: G, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, ON TROL VALVE, EXST FIRE SPRINKLER SYSTEM, ON WY GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP PIPE CAP PIPE CAP PIPE CAP PIPE TELBOW DOWN PIPE TEE DOWN PIPE TEE DOWN</td> <td></td>	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: G, EXST FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, ON TROL VALVE, EXST FIRE SPRINKLER SYSTEM, ON WY GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP PIPE CAP PIPE CAP PIPE CAP PIPE TELBOW DOWN PIPE TEE DOWN PIPE TEE DOWN	
	E PROTEC ABBREVIATIONS AFF EXST FDC FDC FDC FS FS FS FS FS FS FS FS FS FS	CTION LEGEND & ABBREVIATIONS DESCRIPTION ABOVE FINISHED FLOOR EXST FIRE DEPARTMENT CONNECTION, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A: 80B: G, EXST FIRE STINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A: 10B: C, NEW FIRE SPRINKLER, CONCEALED PENDENT, QUICK RESPONSE, NEW FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST FIRE SPRINKLER SYSTEM, PIPING, EXST FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, PIPING, NEW FIRE SPRINKLER SYSTEM, RISER, EXST FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST MATERIALS TO BE DEMOLISHED NORMALLY OPEN/NORMALLY CLOSE PIPE CAP PIPE CAP PIPE CAP PIPE CAP PIPE CONTINUATION PIPE TEE DOWN	ERS 540 LA (808) 83 KEYI





NOTES:

- 1. FIRE SPRINKLERS ONLY SHOWN IN AREA OF WORK.
- 2. COORDINATE WITH MECHANICAL CONTRACTOR TO DETERMINE IF EXISTING FIRE SPRINKLER MAIN AND DRAIN LINE MUST BE REROUTED TO ALLOW INSTALLATION OF NEW FAN COIL UNIT IN OPEN LAB 003.

LEGEND:	

1 HOUR RATED WALL (EXST) SMOKE RATED WALL (EXST)

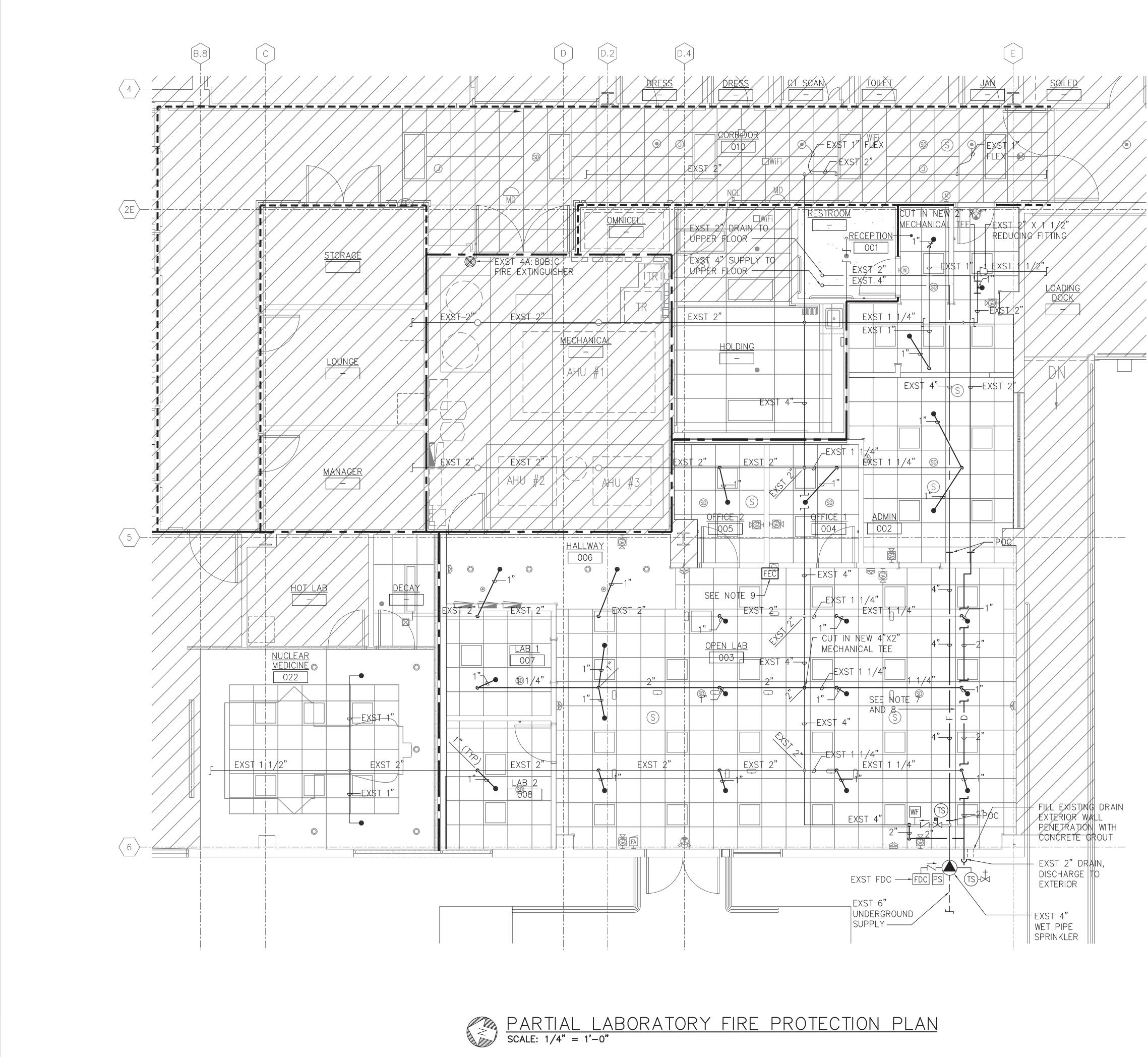
12'

FIRE AND SMOKE RATED CONSTRUCTION IS SHOWN FOR REFERENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS.

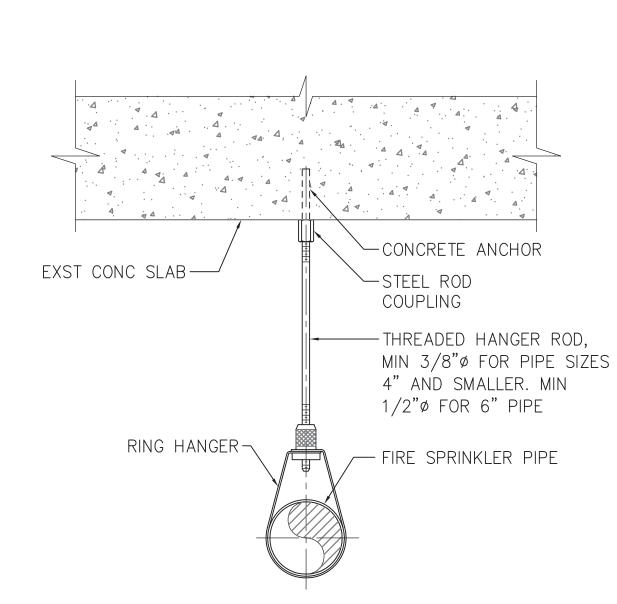
<u>GRAPHIC SCALE</u>

1/4" = 1'-0" 4' 0' 4' 8'

HAWAII HEALTH SYSTEMS <u>E</u>Z CORPORATION Quality Healthcare for All Ŵ Kona COMMUNITY HOSPITAL 79–1019 HAUKAPILA STREET KEALAKEKUA, HAWAII 96750 ADDRESS \bigcap \bigcirc \mathcal{O} \vdash \supset \bigcirc \cap ANE ONS \bigcirc \square \triangleleft _____ ____ _____ _____ $\overline{\langle}$ \frown _____ \bigcirc \triangleleft MIS (_____ _____ \triangleleft _____ \bigcirc \triangleleft NEW DATE REVISION ERSKINE ARCHITECTS, INC 540 LAGOON DR., SUITE 4 HONOLULU, HI. 968 (808) 833-8891 www.erskinearchitects.co KEYPLAN: LICENSED PROFESSIONAL ENGINEER 16319–M HIS WORK WAS PREPARED BY ME OR UNDER MY THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 16–115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS). PROJECT NO. 19-16.1 DRAWN BY: TEC DATE: JUNE 2022 SCALE: AS SHOWN PARTIAL FORMER MAINTENANCE TITLE: DEMOLITION FIRE PROTECTION PLAN **F02** NUMBER:



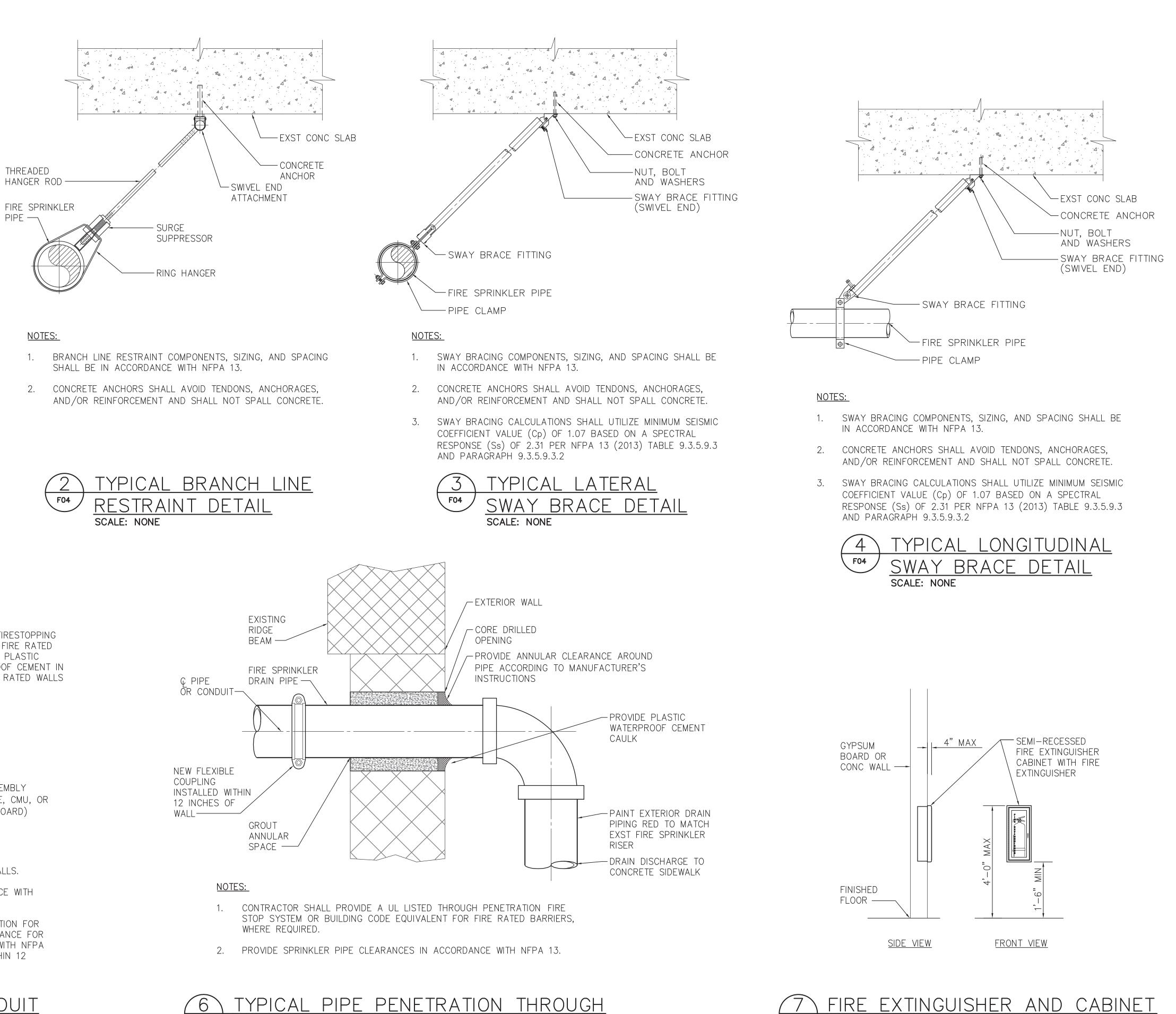
				WAII HEALTH SY O R P O R A T Quality Healthcare fo	ION
				Ŷ	
		Co)MM(KONA JNITY HOSE	PITAL
		-		9 HAUKAPILA STR EKUA, HAWAII 967 address	
<u>NOTE</u> 1. 2. 3.	FIRE SPRINKLERS ONLY SHOWN IN AREA OF WORK. PROVIDE HANGERS IN ACCORDANCE WITH NFPA 13, SEE DETAIL 1 fo4 PROVIDE BRANCH LINE RESTRAINTS ON NEW AND EXISTING BRANCH LINES IN THE AREA OF WORK IN		INICAL LARORATORY	MISCELLANEOUS LTERATIONS	
4.	ACCORDANCE WITH NFPA 13, SEE DETAIL 2 FOUNDE LATERAL AND LONGITUDINAL SWAY BRACING ON NEW AND EXISTING PIPING IN THE AREA OF WORK IN ACCORDANCE WITH NFPA 13, SEE DETAILS 3 FOUND 4 FOUND FOUND 4 FOUND FOUND FOUND FOUND FOUND FOUND FOUND FOUND FOUND		NFW OLIN		
5.	PROVIDE CLEARANCE BENEATH EXISTING FLOOR CONTROL VALVE FOR MAINTENANCE ACCESS. PROVIDE SIGNAGE INDICATING SPRINKLER CONTROL VALVE ABOVE CEILING.	-			
6.	PROVIDE A UL LISTED THROUGH PENETRATION FIRE STOP SYSTEM FOR FIRE RATED WALLS. FOR ALL NEW AND EXISTING PENETRATIONS, SEE DETAIL 5 FO4				
7.	EXISTING UPPER FLOOR FIRE SPRINKLER SUPPLY MAIN ROUTED THROUGH AREA OF WORK. NEW PIPING SHALL NOT CONNECT TO THE UPPER FLOOR SUPPLY MAIN.	NO.		REVISION Itects, inc.	DATE
8.	COORDINATE WITH MECHANICAL CONTRACTOR TO DETERMINE IF EXISTING FIRE SPRINKLER MAIN AND DRAIN LINE MUST BE REROUTED TO ALLOW INSTALLATION OF NEW FAN COIL UNIT IN OPEN LAB 003.	540 L		www.erskinear	, HI. 96819
9.	INSTALL NEW FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, SEE DETAIL 7 F04				
		KEY	PLAN:	S. NAKA	
				LICENSED PROFESSIONAL ENGINEER No. 16319-M	
	GEND: 1 HOUR RATED WALL (EXST) SMOKE RATED WALL (EXST)	SUP WILL CON THE COM PRO	WORK WAS ERVISION AN BE UNDER STRUCTION A HAWAII ADMI MERCE AN FESSIONAL E	SIGNATIVE SIGNATIVE D CONSTRUCTION OF THIS MY OBSERVATION. (OBSERV S DEFINED IN CHAPTER 16 INISTRATIVE RULES, DEPAR D CONSUMER AFFAIRS NGINEERS, ARCHITECTS, SI	PROJECT /ATION OF 6-115 OF IMENT OF
REFE	AND SMOKE RATED CONSTRUCTION IS SHOWN FOR TRENCE ONLY. SEE ARCHITECTURAL DRAWINGS FOR CT LOCATIONS.	BUILDING	LANDSCAPE	ARCHITEĆTS).	
GR	APHIC SCALE	DR	IECT NO. AWN BY:	19–16.1 TEC	
	4' 0' 4' 8' 12'	DA SC TIT	TE: ALE:	JUNE 2022 AS SHOWN PARTIAL LABORATORY	
1/4"	i' = 1' - 0''	DRAM	LE:	FIRE PROTECTION PLAN	
		NU	MBER:	F03	

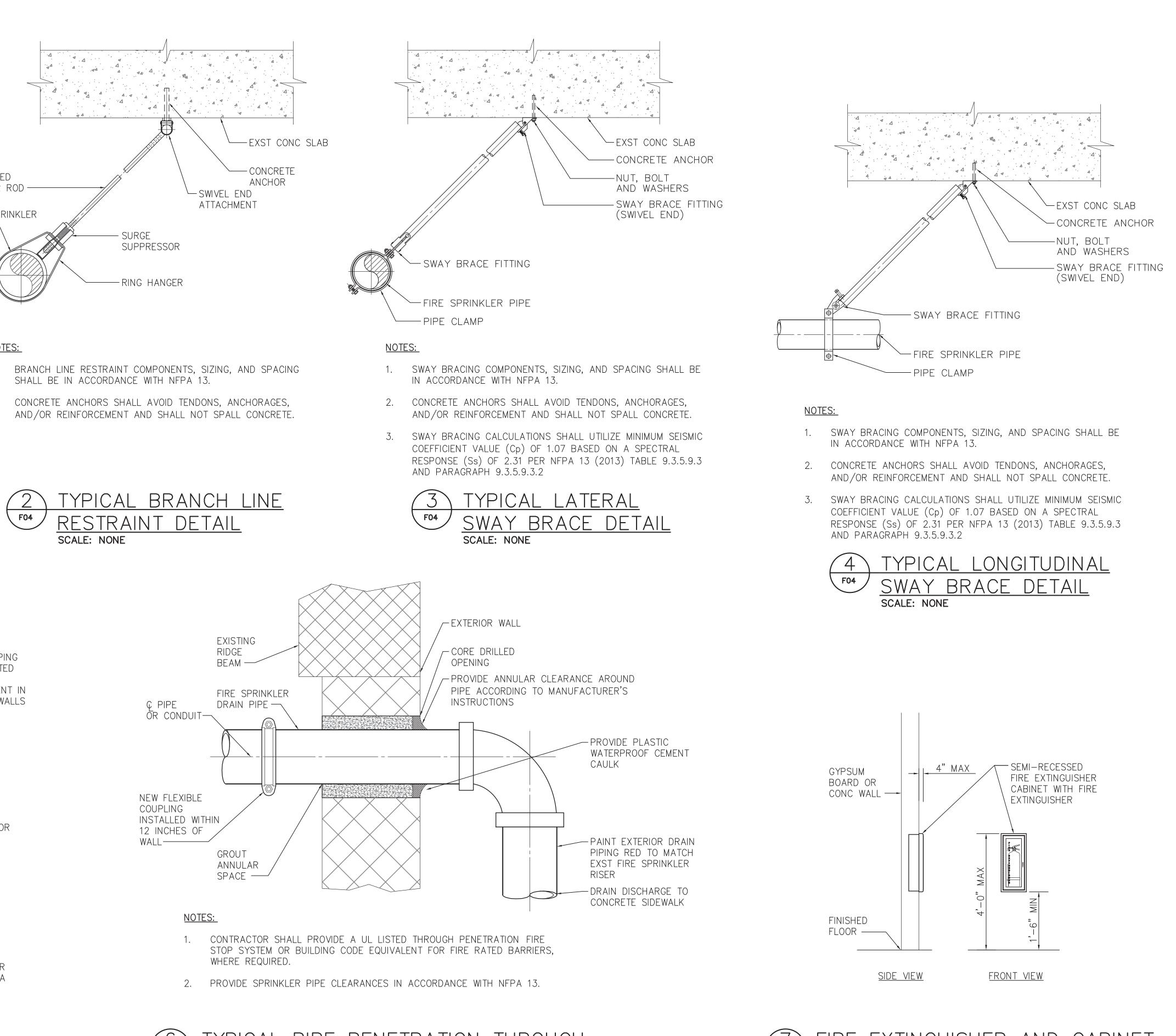


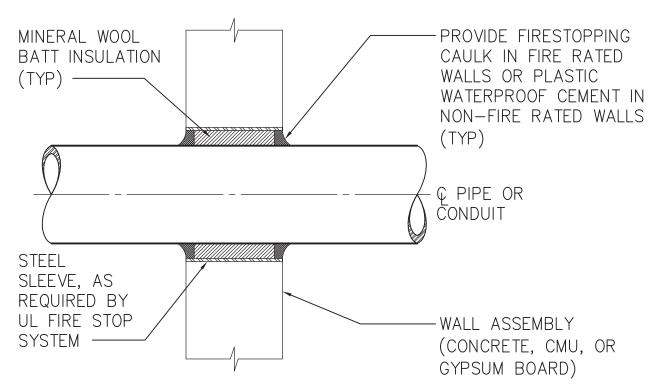
<u>NOTES:</u>

- 1. HANGER COMPONENTS, SIZING, AND SPACING SHALL BE IN ACCORDANCE WITH NFPA 13.
- 2. CONCRETE ANCHORS SHALL AVOID TENDONS, ANCHORAGES, AND/OR REINFORCEMENT AND SHALL NOT SPALL CONCRETE.









NOTES:

- 1. CONTRACTOR SHALL PROVIDE A UL LISTED THROUGH PENETRATION FIRE STOP SYSTEM FOR FIRE RATED WALLS.
- 2. PROVIDE SPRINKLER PIPE CLEARANCES IN ACCORDANCE WITH NFPA 13.
- 3. PROVIDE 2 INCH CLEARANCE AROUND WALL PENETRATION FOR PIPE SIZES LESS THAN 4 INCHES AND 4 INCH CLEARANCE FOR PIPE SIZES 4 INCHES AND LARGER IN ACCORDANCE WITH NFPA 13, UNLESS FLEXIBLE COUPLINGS ARE INSTALLED WITHIN 12 INCHES OF EACH SIDE OF THE WALL.

$\overline{(5)}$	TYPIC	al pip	Έ	AND	CONDUIT
F04	<u>THRU</u>	WALL	D	<u>ETAIL</u>	
	SCALE: NO	NE			



F04

XTERIOR WALL DETAIL SCALE: NONE



RE EXTINGUI	SHER	AND	CABINET
ISTALLATION	DETA		
ALE: NONE			

4		WAII HEALTH SYSTEMS ORPORATION Quality Healthcare for All
		Ŷ
	Comm	KONA INITY HOSPITAL
	79–101	9 HAUKAPILA STREET EKUA, HAWAII 96750
	>	ADDRESS
	NFW CLINICAL LABORATORY	
E	10	
E 54	7	REVISION DATE TECTS, INC. ARCHITECTS, INC. ., SUITE 4 HONOLULU, HI. 96819 www.erskinearchitects.com
к	THIS L	S. NAAAC LICENSED PROFESSIONAL ENGINEER No. 16319-M V. V. V. V. V. V. V. V. V. V. V. V. V.
	THIS WORK WAS SUPERVISION AN WILL BE UNDER CONSTRUCTION A THE HAWAII ADMI COMMERCE AN	SIGNATIVE SIGNATIVE PREPARED BY ME OR UNDER MY D CONSTRUCTION OF THIS PROJECT MY OBSERVATION. (OBSERVATION OF S DEFINED IN CHAPTER 16–115 OF NISTRATIVE RULES, DEPARTMENT OF D CONSUMER AFFAIRS ENTITLED NGINEERS, ARCHITECTS, SURVEYORS
BUILDING		
F	ROJECT NO.	19–16.1 TEC
	DATE: SCALE:	JUNE 2022 AS SHOWN
DRAWING	TITLE:	FIRE PROTECTION DETAILS
Ĺ	NUMBER:	F04

GENERAL ELECTRICAL	_
SPECIFICATIONS	

1.	DO NOT SCALE DRAWINGS. VERIFY DIMENSIONS IN FIELD PRIOR TO COMMENCEMENT OF WORK.		 	
2.	THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE. INSTALL CONDUIT RUNS AS SPECIFIED WITH SCHEMATIC REPRESENTATION INDICATED ON THE DRAWINGS AND AS SPECIFIED.	<u>or</u>	(D)	
3.	WHERE CONDUITS ARE SHOWN AS "HOME RUNS" ON THE CONTRACT DRAWINGS, OR STATED TO BE FURNISHED, BUT NOT EXPLICITLY SHOWN AS PART OF THE SCOPE OF WORK, THE CONTRACTOR SHALL PROVIDE ALL CONDUITS, FITTINGS, BOXES, WIRING, CONDUIT SEALS, ETC., AS REQUIRED FOR COMPLETION OF THE RACEWAY SYSTEM IN COMPLIANCE WITH THE NEC AND THE CONTRACT DOCUMENTS.	-x-x-x-x-	x-x-x-	
4.	MODIFY CONDUIT RUNS TO SUIT FIELD CONDITIONS, AS ACCEPTED BY WHFD AND/ OR PROJECT MANAGER.			
5.	FINAL CONNECTIONS & ROUGH-IN REQUIREMENTS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.			
6.	CONTRACTOR SHALL REVIEW ARCHITECTURAL, STRUCTURAL, MECHANICAL AND OTHER DRAWINGS PRIOR TO BID.			
7.	CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND VERIFY THAT CONDITIONS ARE AS INDICATED. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN ITS BID ALL COSTS REQUIRED TO MAKE HIS WORK MEET EXISTING CONDITIONS.	S₅		
8.	WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER TO THE SATISFACTION OF THE WHFD AND/ OR PROJECT MANAGER.			
9.	WORK, MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE AND NATIONAL CODES AND ORDINANCES.			
10.	ALL ELECTRICAL SYSTEMS COMPONENTS SHALL BE LISTED OR LABELED BY U.L. OR OTHER RECOGNIZED TESTING FACILITY.	- 0		
11.	PROVIDE PERMITS AND INSPECTIONS REQUIRED.	÷		
12.	GUARANTEE THE INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP WHICH MAY OCCUR UNDER NORMAL USAGE FOR A PERIOD OF ONE YEAR AFTER WHFD AND/ OR PROJECT MANAGER'S ACCEPTANCE. DEFECTS SHALL BE PROMPTLY REMEDIED WITHOUT COST TO WHFD AND/ OR PROJECT MANAGER.	8		
13.	PROVIDE RECORD DRAWINGS TO THE WHFD AND/ OR PROJECT MANAGER. DRAWINGS SHALL INCLUDE ALL ADDENDUM ITEMS, CHANGE ORDERS, ALTERATIONS, REROUTINGS, ETC.	∎ ⊖ ⊮⊘		
14.	VERIFY EXACT LOCATION AND ELECTRICAL CHARACTERISTICS OF EQUIPMENT TO BE FURNISHED BY OTHER DISCIPLINES PRIOR TO ROUGH-IN.	-		
15.	SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO WHFD AND/ OR PROJECT MANAGER.	SD		
16.	CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING EQUIPMENT WHICH IS DAMAGED DUE TO INCORRECT FIELD WIRING PROVIDED UNDER THIS SECTION OR FACTORY WIRING IN EQUIPMENT PROVIDED UNDER THIS SECTION.			
17.	CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS OR EQUIPMENT.			
18.	SYSTEMS SHALL BE COMPLETE, OPERABLE AND READY FOR CONTINUOUS OPERATION. LIGHTS, SWITCHES, RECEPTACLES, MOTORS, ETC., SHALL BE CONNECTED AND OPERABLE.			
19.	PRESENT SUBMITTAL DATA AT ONE TIME BOUND IN PDF FORMAT OR PER WHFD AND/OR PROJECT MANAGER'S REQUIREMENTS. SUBMITTALS SHALL BE INDEXED IN A NEAT AND ORDERLY MANNER. PARTIAL SUBMITTALS WILL NOT BE ACCEPTED. SUBMITTALS SHALL INCLUDE ALL EQUIPMENT SPECIFIED UNDER THIS PROJECT. SHOULD CONTRACTOR FAIL TO PROVIDE SUBMITTALS, CONTRACTOR PROCEEDS AT ITS OWN RISK AND ANY COST FOR CORRECTIVE WORK WILL BE BORNE BY THE CONTRACTOR.			
20.	PENETRATIONS OF FIRE RATED WALLS OR FLOORS BY PIPE SHALL BE SEALED BY A FIRESTOPPING SYSTEM UL LISTED FOR THE APPLICATION. INSTALL PENETRATION SEAL MATERIALS IN ACCORDANCE WITH PRINTED INSTRUCTIONS OF THE UL FIRE RESISTANCE DIRECTORY AND MANUFACTURERS INSTRUCTIONS. FIRESTOPPING SYSTEM SHALL BE EQUAL TO 3M FIRE BARRIER. FIRESTOPPING MATERIAL SHALL BE CAULK OR PUTTY TYPE. FIRESTOP ALL PENETRATIONS THROUGH FIRE RATED WALLS AS REQUIRED TO PRESERVE THE FIRE RATING OF THE STRUCTURE. ALL NEW AND EXISTING PENETRATIONS THROUGH FIRE RATED CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE FIRE STOPPED. ALL NEW AND EXISTING PENETRATIONS THROUGH FIRE RATED CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE FIRE STOPPED.			
21.	COMMISSION REPORT ON LIGHTING SYSTEMS PER 2015 IECC C408.3.			

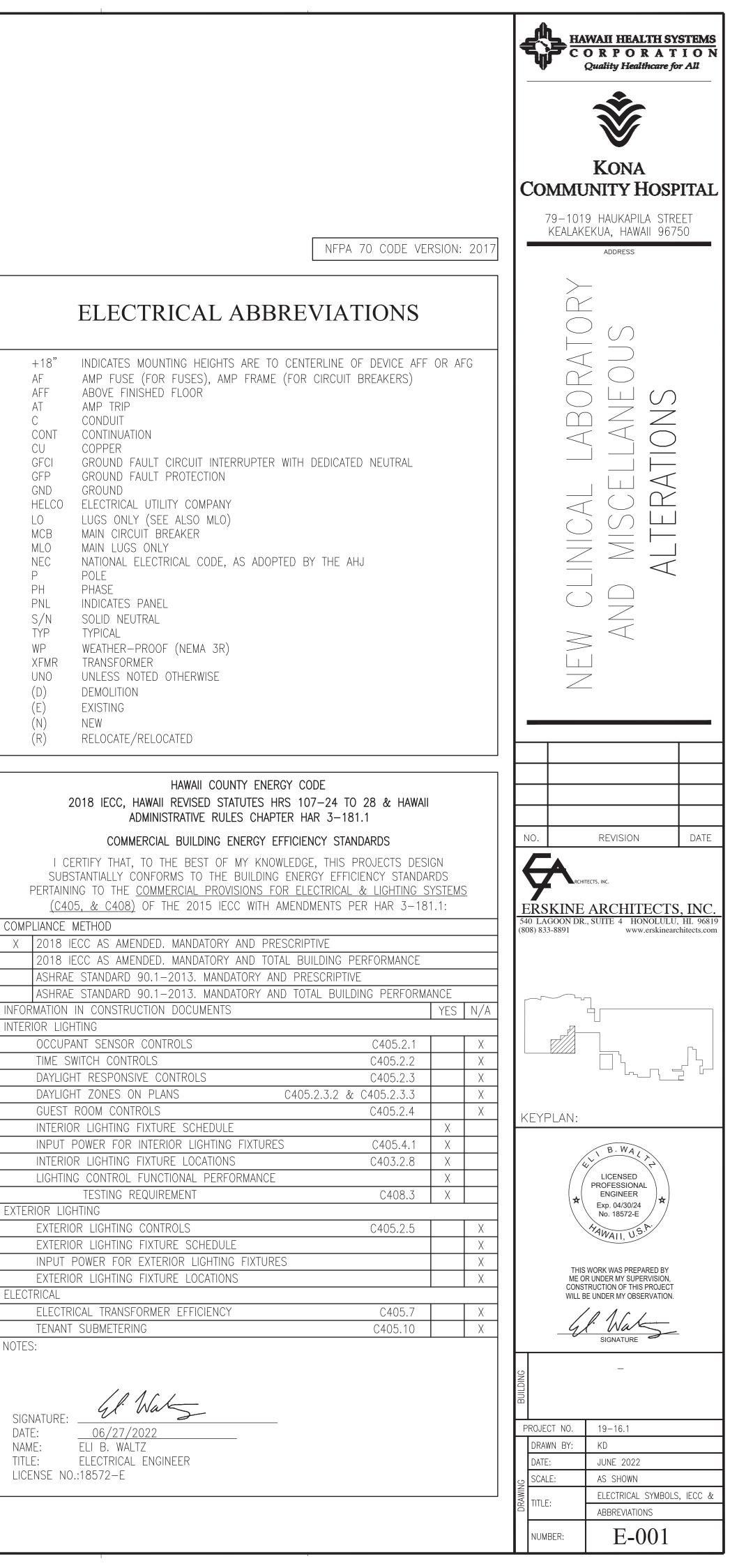
ELECTRICAL SYMBOLS

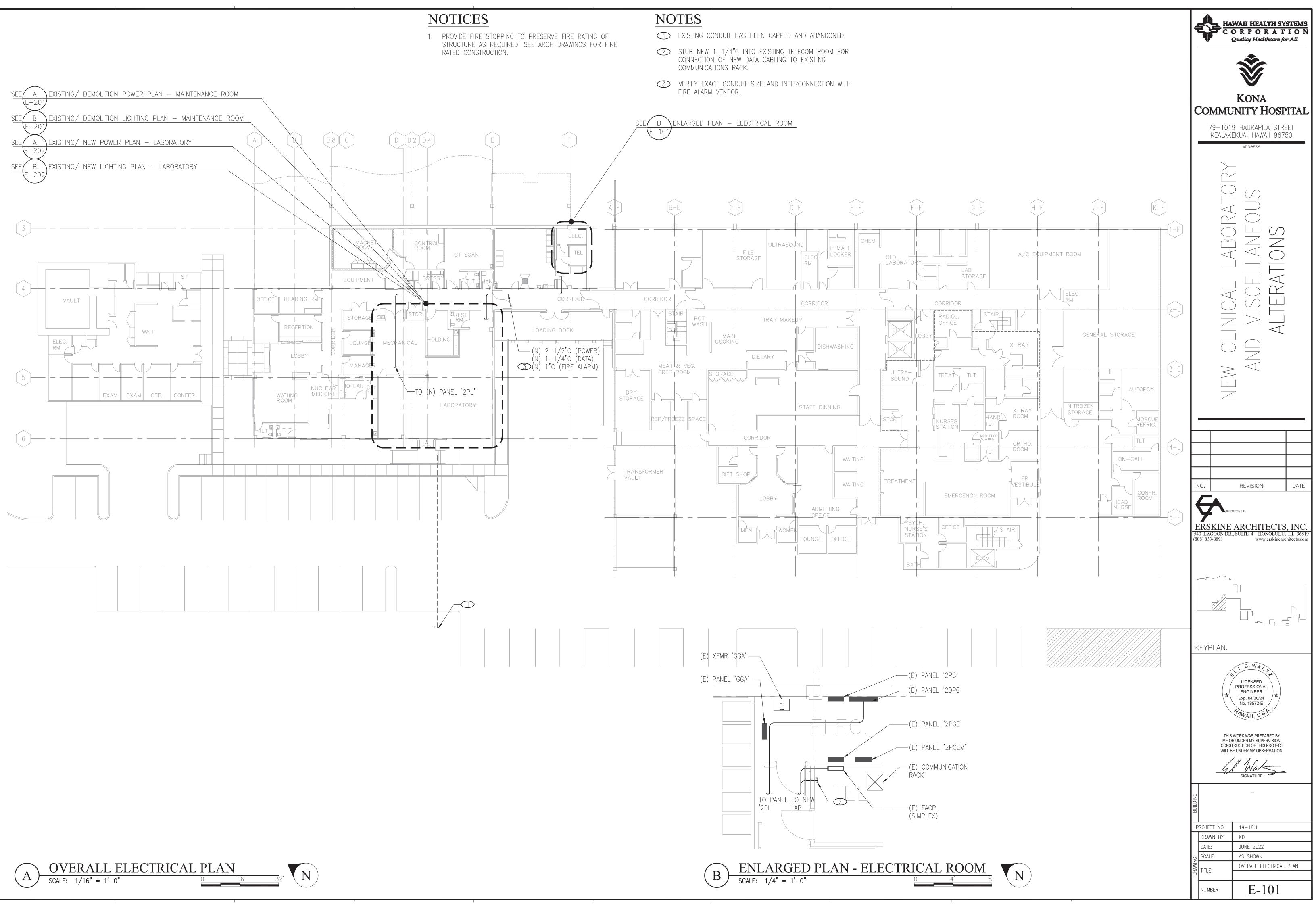
ELECTRICAL DEMOLITION. REMOVE EQUIPMENT AND APPURTENANCES IN THEIR ENTIRETY U.N.O. COORDINATE WORK RESTRICTIONS PRIOR TO DEMOLITION.	a	LUMINAIRE IDENTIFICATION A = LUMINAIRE DESIGNATION (UPPERCASE) a = SWITCH DESIGNATION (LOWERCASE)
HOMERUN CONDUIT 3/4" MIN. – STROKES INDICATE QUANTITY OF CONDUCTORS		2x2 LAY—IN/RECESSED TROFFER REFER TO LUMINAIRE SCHEDULE
CONDUIT/WIRE CONCEALED IN WALL OR ABOVE CEILING EXCEPT IN EXPOSED STRUCTURE AREAS 1/2"—2 #12 & 1 #12 GND THWN U.N.O.	0	DOWNLIGHT LUMINAIRE
	ছব্	EMERGENCY BATTERY LIGHTING UNIT WITH TWIN HEADS
CONDUIT AND/OR WIRE BELOW FLOOR OR GRADE 3/4"—2 #12 & 1 #12 GND THWN UNLESS NOTED	<u>nØa</u>	EMERGENCY BATTERY LIGHTING UNIT WITH TWIN HEADS
EXISTING CONDUIT AND/OR CONDUCTORS TO REMAIN (SHOWN LIGHT)	-	SURFACE MOUNTED PANELBOARD
CONDUIT STUB OUT	_	FLUSH MOUNTED PANELBOARD
SINGLE POLE SWITCH @ +48" TO TOP UNLESS NOTED	⋳	METER
a = DEVICE SWITCH IDENTIFICATION (LOWERCASE)	N	NON-FUSED DISCONNECT SWITCH
F = 3 SPEED SWITCH 2 = 2 POLE SWITCH 3 = $3-WAY$ SWITCH 4 = $4-WAY$ SWITCH D = DIMMER SWITCH K = KEY OPERATED SWITCH M = MOTION SENSOR SWITCH T = THERMAL OVERLOAD SWITCH	\bigcirc°	JUNCTION BOX
L = BACKLIT SWITCH TM = SWITCH WITH DIGITAL TIMER SINGLE RECEPTACLE @ +18" TO CENTER UNLESS	⊦⊕ ^S X	FIRE ALARM HORN WITH ADA/ANSI STROBE – WALL MOUNTED. ENTIRE LENS TO BE NOT LESS THAN 80" AND NOT GREATER THAN 96" AFF TO TOP.
NOTED		X= CANDELLA RATING
WALL MOUNTED DUPLEX RECEPTACLE @ +18" TO CENTER U.N.O.	+P	PATIENT NURSE CALL
RECEPTACLE INSTALLED PER NEC 210.8. = DOUBLE DUPLEX RECEPTACLE	+©	CALL SYSTEM
= 1/2 SWITCHED (BOTTOM HALF) DUPLEX RECEPTACLE	+®	CODE BLUE
FLOOR MOUNT RECEPTACLE	+(1)	NURSE CALL LIGHT
CEILING MOUNT RECEPTACLE	⊢●	NURSE CALL PULL CORD
SPECIAL RECEPTACLE @ +18" TO CENTER UNLESS NOTED		FIRE ALARM MANUAL PULLSTATION @ +48" AFF TO TOP
SMOKE DETECTOR	_	TELEPHONE/DATA OUTLET
SWURL DETECTOR	V	(4) 4–PAIR (2 VOICE & 2 DATA) CAT–6 CABLES (TYPE 'H') WITH (4) PORT FACEPLATE

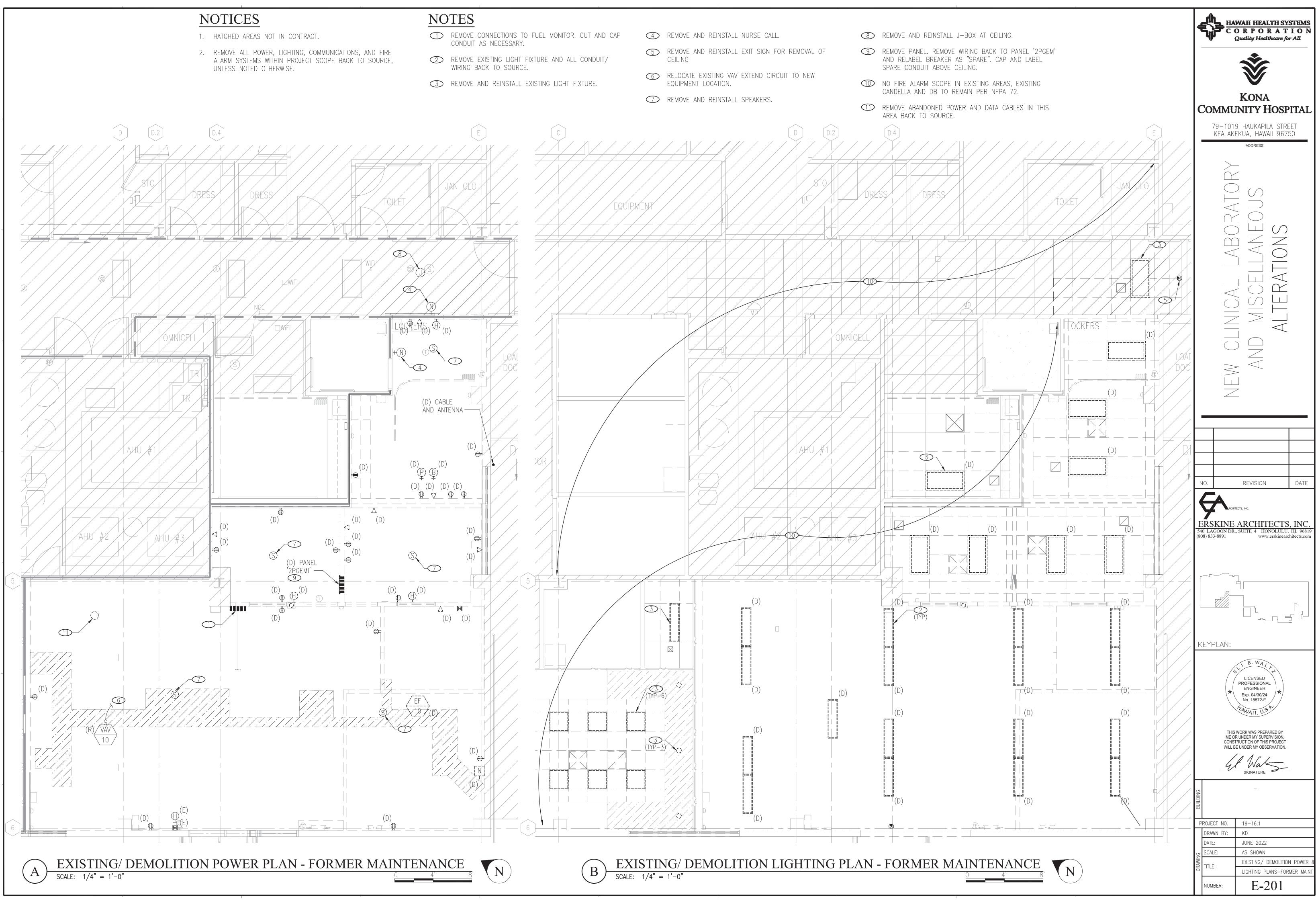
AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES

1. ALL WORK INCLUDED HEREIN SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT VERSION OF AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG). ALL OPERABLE DEVICES SUCH AS, BUT NOT LIMITED TO, SWITCHES, PULLSTATIONS, AND THE THERMOSTAT'S SHALL BE INSTALLED AT +48" A.F.F. TO THE TOP MOST OPERABLE PORTION OF THE CONTROL IN ACCORDANCE WITH SECTION 309-OPERABLE PARTS. RECEPTACLES, TELEPHONE/DATA OUTLETS, AND SIMILAR DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 308 - REACH RANGES, AND THESE DEVICES SHALL BE INSTALLED AT A MINIMUM OF 15" TO THE BOTTOM OF THE DEVICE.

	_
INFOR	M
INTER	(
	(
	-
	(
EXTER	2
	[
	_

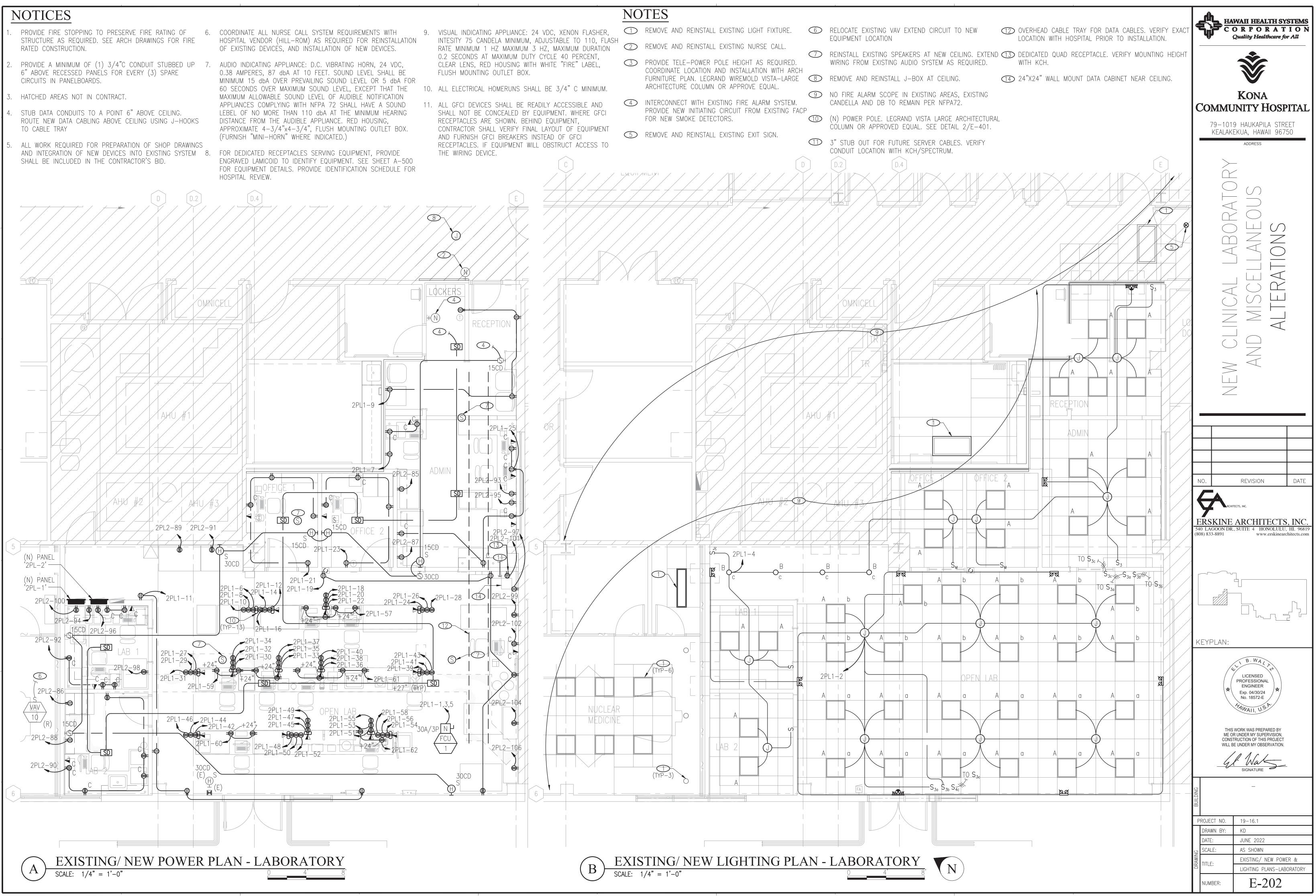


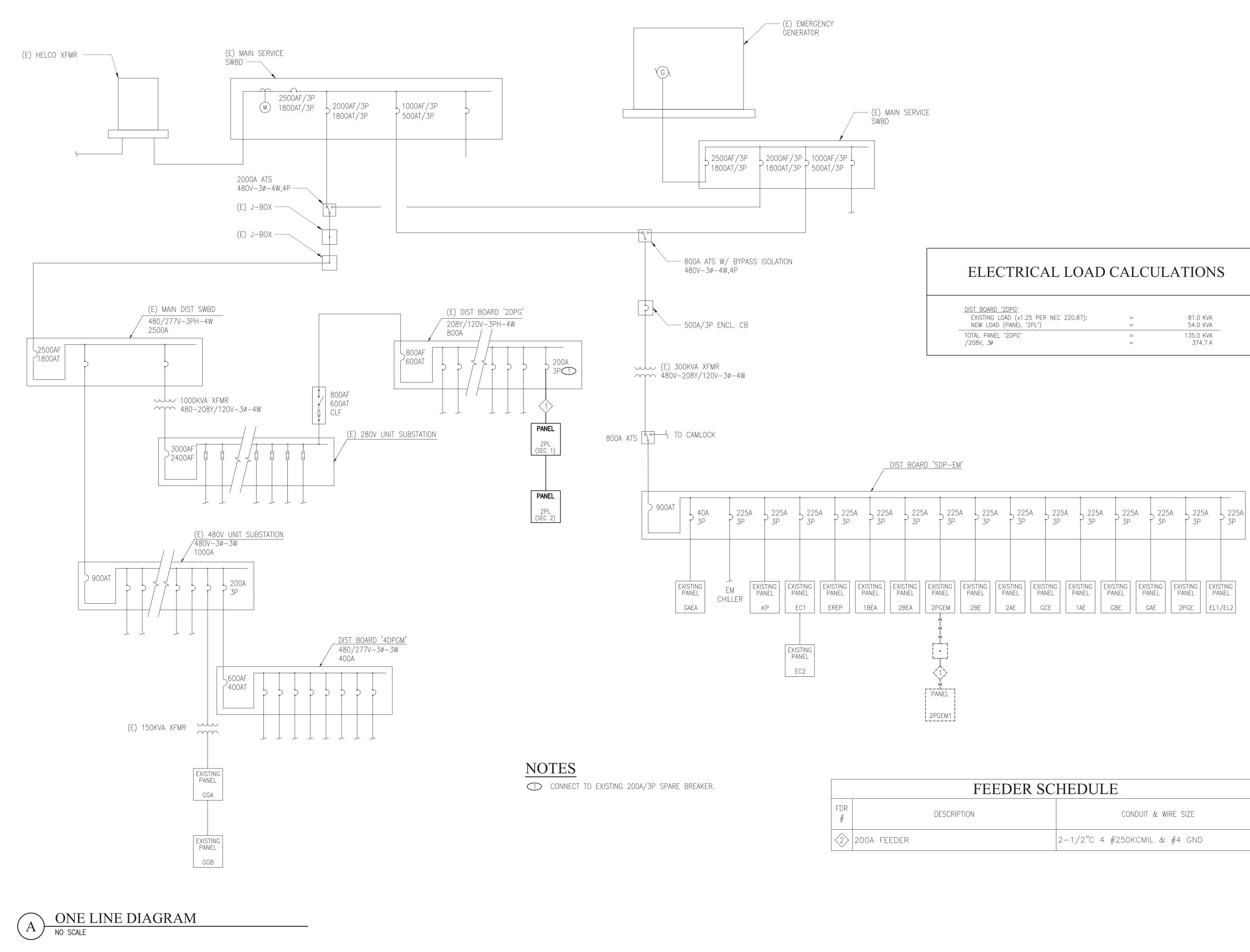




- RATED CONSTRUCTION.
- 6" ABOVE RECESSED PANELS FOR EVERY (3) SPARE
- . STUB DATA CONDUITS TO A POINT 6" ABOVE CEILING. ROUTE NEW DATA CABLING ABOVE CEILING USING J-HOOKS TO CABLE TRAY
- ALL WORK REQUIRED FOR PREPARATION OF SHOP DRAWINGS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- COORDINATE ALL NURSE CALL SYSTEM REQUIREMENTS WITH

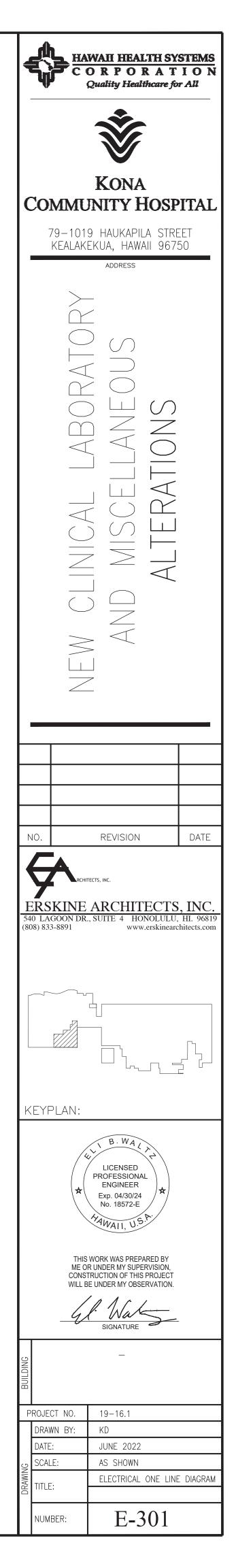
0.38 AMPERES, 87 dbA AT 10 FEET. SOUND LEVEL SHALL BE MINIMUM 15 dba over prevailing sound level or 5 dba for 60 SECONDS OVER MAXIMUM SOUND LEVEL, EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH NFPA 72 SHALL HAVE A SOUND IFBFI OF NO MORE THAN 110 dba AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. RED HOUSING, (FURNISH "MINI-HORN" WHERE INDICATED.)



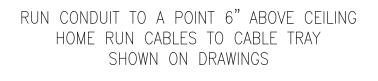


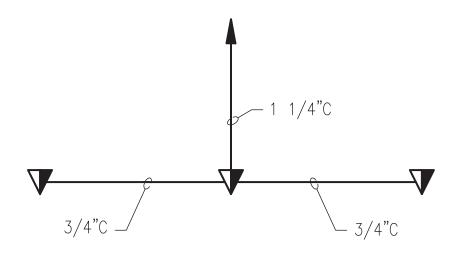
<u>2DPG'</u> AD (x1.25 PER NEC 220.87):	=	81.0 KVA
(PANEL '2PL')	=	54.0 KVA
'2DPG'	=	135.0 KVA
	=	374.7 A

) 22 3P	Ą .	22: 3P	5A	225 3P	ōΑ	22 3P	4	22: 3P	δA) 22: 3P	5A	•) 22: 3P	5A
	fing Iel	EXIS PAI	TING NEL		TING NEL		TING NEL	EXIS PAI	TING NEL		EXIS [®] PAN			EXIS PAI	TING VEL	
24	νE	G	CE	1,	٩E	G	BE	G	AE		2P	GE		EL1,	/EL2	



Α	NF	EL:		2PL (SEC 1)		٧	OLTAG			/ 120		30	04W		CIRCUIT	CODE: b	lank	or		N: NON-CONTINUOUS			
									225A											L: LONG-CONTINUOUS			
		DA	TE:	6/28/22 5:35 PM			MAIN	IS:	200A		LO	CAT	FION:	LAB						R: DEMANDABLE RECEPTACLES			
		J	OB:	14005-19-02		AIC	C RATIN	IG:	22 KAIC		MO	UN	ring:	FLUSH						K: KITCHEN NO. OF EQUIPMENT:		<u> </u>	0
				LOAD DESIGN	ATION						СОИМ	ΙE	СТ	EDV	4					LOAD DESIGNATION		l	
	CODE	TRIP	POLE	DESCRIPTION	(NOT	E) M	I R	L	ØA	ØB	ØC	А	вС	ØA	ØB	ØC	L	R M	(N0	DTE) DESCRIPTION	TRIP	POLE	CODE
Ť	Ť	20		FCU-1					-			1		-						OPEN LAB LIGHTS	20	1	\square
Т	Т						ТТ	Т		-		П	•		-	1			Т	ADMIN/OFFICE LIGHTS	20	1	П
Т	て		3								-	Π	·	1		650			Т	POWER POLE RECEPT	20	1	
Т	Т	20	1	ADMIN RECEPT					540			ŀ		650]				Г	POWER POLE RECEPT	20	1	\square
Т	Т	20	1	RECEPTION RECEPT				T		720		П	•		650]			Т	POWER POLE RECEPT	20	1	П
1	Т	20	1	OPEN LAB RECEPT			ТТ		-		720	Π	·	1		650			Т	POWER POLE RECEPT	20	1	П
3	Т	20	1	OPEN LAB JBOX				T	1080			$\overline{\cdot}$		650	1				Т	POWER POLE RECEPT	20	1	
5	Т	20	1	OPEN LAB JBOX						1080		П	•		650]			Г	POWER POLE RECEPT	20	1	П
7	Т	20	1	OPEN LAB JBOX							1080	Π	·	1		650			Т	POWER POLE RECEPT	20	1	П
)	Т	20	1	OPEN LAB RECEPT				٦	720			•		650	1				Г	POWER POLE RECEPT	20	1	
1	Т	20	1	OFFICE 1 RECEPT				T		720		П	•		650]			Т	POWER POLE RECEPT	20	1	П
	T	20	1	OFFICE 2 RECEPT							720	Π	•			605			Γ	POWER POLE RECEPT	20	1	
5		20	1	FUEL MONITOR					100			ŀ		650	1	_				POWER POLE RECEPT	20	1	
7		20	1	POWER POLE RECEPT						650		Π	•		650					POWER POLE RECEPT	20	1	
	Т	20	1	POWER POLE RECEPT				٦	•		650	Π	·	1		605			Т	POWER POLE RECEPT	20	1	
T	Т	20	1	POWER POLE RECEPT			ТТ	Т	650			·		650	1				Т	POWER POLE RECEPT	20	1	
3	Т	20	1	POWER POLE RECEPT				T		650		П	•		650]			Τ	POWER POLE RECEPT	20	1	
5	Т	20	1	POWER POLE RECEPT							650	Π	·	1		650			Г	POWER POLE RECEPT	20	1	
7	Т	20	1	POWER POLE RECEPT				T	650			$\overline{\cdot}$		650	1				Т	POWER POLE RECEPT	20	1	П
	Т	20	1	POWER POLE RECEPT				٦		650		П	•		650]			Г	POWER POLE RECEPT	20	1	
	T	20	1	POWER POLE RECEPT							650	П	·	1		650				POWER POLE RECEPT	20	1	
3		20	1	POWER POLE RECEPT					650			1		650	1					POWER POLE RECEPT	20	1	
5	╈	20	1	POWER POLE RECEPT						650		П	•		650	1			\top	POWER POLE RECEPT	20	1	
7		20	1	POWER POLE RECEPT							650	П	·	1		650				POWER POLE RECEPT	20	1	
,	╈	20	1	POWER POLE RECEPT					650			1		650	1				\top	POWER POLE RECEPT	20	1	
1		20	1	POWER POLE RECEPT						650		П	•		650]				POWER POLE RECEPT	20	1	
3	Т	20	1	POWER POLE RECEPT							650	Π	·	1		650			Т	POWER POLE RECEPT	20	1	П
5		20	1	POWER POLE RECEPT					650			•		650	1					POWER POLE RECEPT	20	1	
'	T	20	1	LAB BENCH 1 RECEPT						720		П	•		650	1				POWER POLE RECEPT	20	1	
)		20	1	LAB BENCH 2 RECEPT							720	П	·	1		360				LAB BENCH 3 RECEPT	20	1	
1	Т	20	1	LAB BENCH 2 RECEPT					720			•		360	1				T	LAB BENCH 3 RECEPT	20	1	
3	Т	20	1	SPARE				٦		-		П	•		-]			Г	SPARE	20	1	
5	T	20	1	SPARE							-	П	·	1		-				SPARE	20	1	
7		20	1	SPARE					-			•		-	1					SPARE	20	1	
9	T	20	1	SPARE						-		П	•		· ·	1				SPARE	20	1	
1	T	20	1	SPARE							-	П	·	1		-				SPARE	20	1	П
3	Т	20	1	SPARE				Т	-			·		-	1				Т	SPARE	20	1	П
5	Т	20	1	SPARE			ТТ	Т		-		Π	•		-	1			Т	SPARE	20	1	
7	Т	20	1	SPARE				٦	•		-	Π	·	1		-			Т	SPARE	20	1	П
)	Т	20	1	SPARE					-		_	·		-]	_				SPARE	20	1	
1		20	1	SPARE						-		Π	•		-]				SPARE	20	1	
	Т	20	1	SPARE			ТТ		-		-	Π	•	1		-			Т	SPARE	20	1	
NE	LN	OTE	5:		• F	PHASE	E TOTA	LS	ØA: 1	2620		ØB:	1234	0	ØC:	12610			•	TOTAL CONNECTED VA		375	70
								L												CONNECTED VA (CODE N)		375	70
																				CONNECTED VA (CODE L)	-		
																		\vdash				0	
																				CONNECTED VA (CODE R)	-	0	
																				CONNECTED VA (CODE K)	-	0	
																				PANEL CONNECTED KVA		37.	.6
																				PANEL DEMAND KVA		37.	.6
				WITH FEED THRU LUGS																PANEL DEMAND AMPS		104	.3
		1 0	= 2																	HIGH Ø AMPS w/ DEMAND		105	i.1





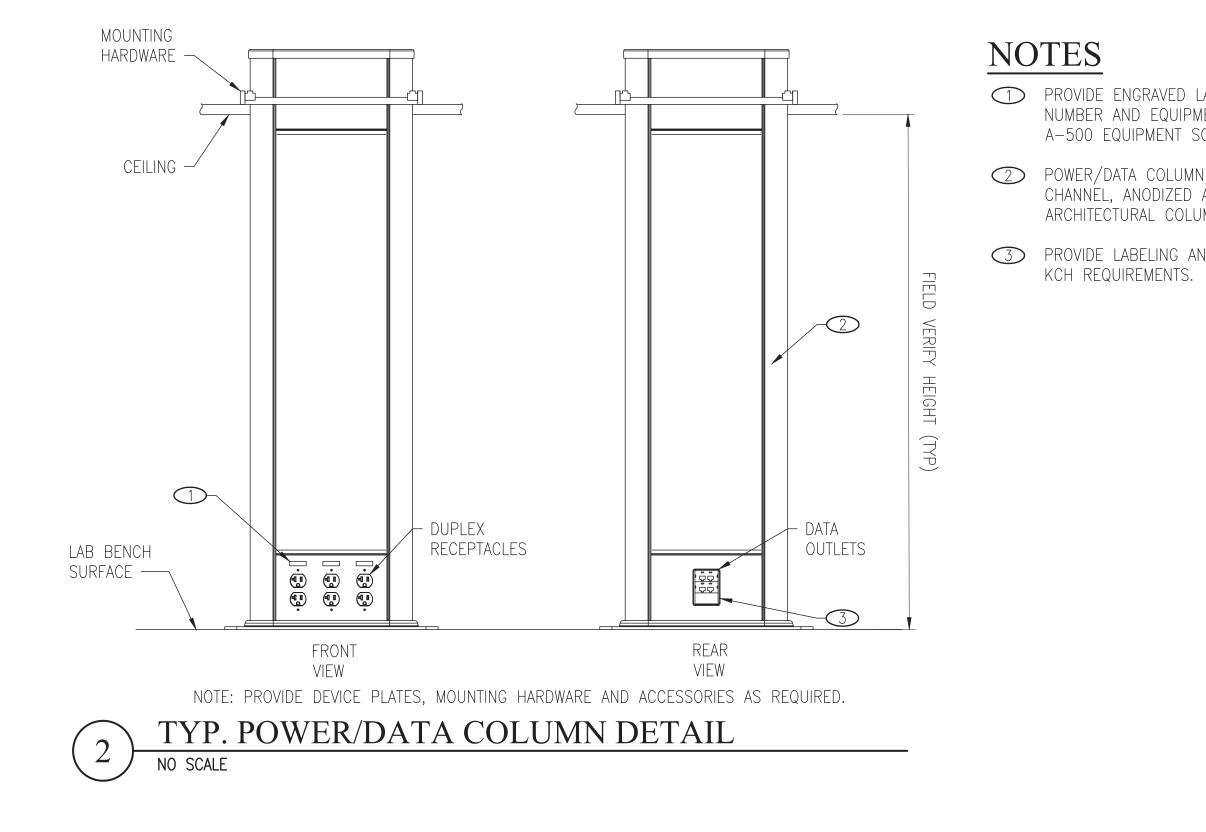
<u>NOTES:</u> 1. DATA ONLY OUTLETS ARE SIMILAR.

2. THEORETICAL DRAWING. INSTALL BOXES PER EIA/TIA & BICSI GUIDELINES.

				LUN	MINAIRE SCH	IEDULE	
FIXTURE TYPE	MANUF	CATALOG NUMBER	VOLT AMPS	MOUNTING	LAMP TYPE	REMARKS	VOLT
A	E2 LIGHTING	E2-PLC-50W-2'X2'	45	GRID	LED	2'X2' COLOR TUNEABLE FLAT PANEL, 110 LPW, 80+ CRI.	120/277
В	E2 LIGHTING	E2-P23R16	16	RECESSED	LED	4000K, 80+ CRI	120/277
ছন্থ	LITHONIA	ELM2L-LED-SDRT	5	UNIVERSAL	LED	EMERGENCY BUGEYE FIXTURE WITH 90 MINUTE BATTERY BACKUP	120
<u>b®a</u>	LITHONIA	LHQM-LED-R-SD	5	UNIVERSAL	LED	EXIT SIGN WITH LED COMBO AND EMERGENCY BATTERY BACKUP	120

TYP. CONDUIT INSTALLATION DIAGRAM NO SCALE

PAN			2PL (SEC 2)		VC	LTAGE: BUS:	208 225A	/ 120		30) 4W		CIRCUIT	CODE: b	lank o	or		N: NON-CONTINUOUS L: LONG-CONTINUOUS			_	
	D	ATE:	6/27/22 6:14 PM			MAINS	M.L.O		LC	CAT	FION	: LAB						R: DEMANDABLE RECEPTACLES				
		JOB:	14005-19-02		AIC	RATING	22 KAIC		MC	UNT	ΓING	: FLUSH						K: KITCHEN NO. OF EQUIPMENT:			(0
эш		.	LOAD DESIGNATIO	ON					CONN	ΝE	СТ	EDV	A					LOAD DESIGNATION				ç
CKT NO CODE	TRIP	POLE	DESCRIPTION (NOTE)) M	R L	ØA	ØВ	ØC	А	вС	C ØA	ØВ	ØC	L	R	M (N	IOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
85	20	1	RECEPT				300		•	$\overline{\cdot}$		1200						LAB 2 RECEPT	20	1		86
87	20	1	RECEPT					1400]	П	•		500	1	\square			LAB 2 RECEPT	20	1		8
89	20	1	REFER				1 '		1200	П	•	-		900				LAB 2 RECEPT	20	1		9
91	20	1	REFER				1200			$\overline{\cdot}$	Т	540	7					LAB 1 RECEPT	20	1		9
93	20	1	REFER					1200]	П	•		900	1	\square			LAB 1 RECEPT	20	1		94
95	20	1	RECEPT				1 1		1000	П	ŀ	·]		900				LAB 1 RECEPT	20	1		9
97	20	1	RECEPT				1000		-	$\overline{\cdot}$	Т	900	٦					LAB 1 RECEPT	20	1		9
99	20	1	RECEPT					1500]	П	•		900	1	\square			LAB 1 RECEPT	20	1		10
101	20	1	DATA QUAD RECEPT				1 1		360	П	ŀ	·]		-				RECEPT	20	1		10
103	20	1	SPARE				-				Т	-	٦					RECEPT	20	1		10
105	20	1	SPARE					-]	П	•		- 1	1	\square			RECEPT	20	1		10
107	20	1	SPARE				1 1		-	П	ŀ	·]		-				SPARE	20	1		10
109	20	1	SPARE				-		-	$\overline{\cdot}$	Т	-	٦					SPARE	20	1		11
111	20	1	SPARE					-]	П	•		- 1	1	\square			SPARE	20	1		11
113	20	1	SPARE				1 1		-	П	ŀ	·]		-				SPARE	20	1		11
115	20	1	SPARE				-			\cdot		-						SPARE	20	1		11
117	20	1	SPARE					-		\Box	•		-					SPARE	20	1		11
119	20	1	SPARE						-		•	·		-				SPARE	20	1		12
121	20	1	SPARE				-		_	\cdot		-		_				SPARE	20	1		12
123	20	1	SPARE					-			•		-					SPARE	20	1		12
125	20	1	SPARE]		-	П	ŀ	•		-				SPARE	20	1		12
PANEL	NOTE	S:		PH	IASE	TOTALS	ØA:	5140		ØB	: 640	0	ØC:	4360				TOTAL CONNECTED VA		159	00	
																		CONNECTED VA (CODE N)		159	00	
																		CONNECTED VA (CODE L)	i	0)	
																		CONNECTED VA (CODE R)		0)	
																		CONNECTED VA (CODE K)	1	0)	
																		PANEL CONNECTED KVA		15.	.9	
																		PANEL DEMAND KVA	ĺ	15.	.9	
																		PANEL DEMAND AMPS		44	.1	
SECTIC	ON 2 ()F 2																HIGH Ø AMPS w/ DEMAND		53.	.3	



 PROVIDE ENGRAVED LAMICOID IDENTIFYING CIRCUIT NUMBER AND EQUIPMENT DESIGNATION PER SHEET A-500 EQUIPMENT SCHEDULE (TYP).

2 POWER/DATA COLUMN LARGER SIZE, ROUND END CHANNÉL, ANODIZED ALUMINUM. LEGRAND VISTA LARGE ARCHITECTURAL COLUMN OR APPROVED EQUAL.

3 PROVIDE LABELING AND KEYSTONE JACK COLORS PER

	CORPORATION Quality Healthcare for All
	KONA
	MUNITY HOSPITAL 9–1019 haukapila street
K	EALAKEKUA, HAWAII 96750 address
	NEW CLINICAL LABORATORY AND MISCELLANEOUS ALTERATIONS
NO.	REVISION DATE
FRSH	RCHITECTS, INC. KINE ARCHITECTS, INC. OON DR., SUITE 4 HONOLULU, HI. 96819
ERSE 540 LAG	RCHITECTS, INC. KINE ARCHITECTS, INC. OON DR., SUITE 4 HONOLULU, HI. 96819
ERSE 540 LAG	CHITECTS, INC.
ERSE 540 LAG (808) 833-	CHITECTS, INC.
ERSE 540 LAG (808) 833-	KINTECTS, INC. XINE ARCHITECTS, INC. OON DR., SUITE 4 HONOLULU, HI. 96819 8891 www.erskinearchitects.com Www.erskinearchitects.com WWW.erskinearchitects.com LAN: LICENSED PROFESSIONAL ENGINEER Exp. 04/30/24 No. 18572-E JAWAII, U.S. THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION, CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. MANAGEMENT
	A REHITECTS, INC. XINE ARCHITECTS, INC. OON DR., SUITE 4 HONOLULU, HI 96819 8891 www.erskinearchitects.com Www.erskinearchitects.com A Construction of THIS PROJECT ME OR UNDER MY SUPERVISION, CONSTRUCTION OF THIS PROJECT
SINIFICIAL STATES	A CHITECTS, INC. XINE ARCHITECTS, INC. OON DR., SUITE 4 HONOLULU, HI, 96819 WWW.erskinearchitects.com WWW.erskinearchitects.com ACC A CONTRACT OF THE STREAM ACC A CONTRACT OF THE STREAM ACC A CONTRACT OF THE STREAM A CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY SUPERVISION, CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. A A A A A A A A A A A A A
	A CHITECTS, INC. XINE ARCHITECTS, INC. OON DR., SUTTE 4 HONOLULU, HI. 96819 WWW.erskinearchitects.com WWW.erskinearchitects.com A Construction LAN: WAL NORTHING AND
	INE ARCHITECTS, INC. OON DR., SUITE 4 HONOLULU, HI. 96819 8891 www.erskinearchitects.com Image: Construction of the second secon