STATE OF HAWAII
HAWAII HEALTH SYSTEMS CORPORATION
KONA COMMUNITY HOSPITAL

NEW ULTRASOUND ROOM & MISCELLANEOUS ALTERATIONS

KEALAKEKUA, HAWAII
TMK: 7-9-010: 081

Drawing set to be revised with Arch, Mech and Elec

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.
5. 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.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE JOB SITE IN A NEAT AND SAFE CONDITION. ALL 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 CONTROL OF NOISE, DEBRIS AND DUST TO PREVENT DISRUPTION OF FACILITY OPERATIONS. CONTRACTOR SHALL 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 LONGER REQUIRED.
16. 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 CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORK HOURS.
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 RUBBISH AND DEBRIS.
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 THE OWNER.
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, SECTION 201.3 AND 206.1.
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 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.
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 OF THE RIGHT OF WAY & THE SITE THAT WILL BE AFFECTED BY THE WORK PRIOR TO SAWCUTTING, TRENCHING, EXCAVATION, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING INFRASTRUCTURE.
28. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING INFECTION CONTROL PRIOR TO CONSTRUCTION. SEE KONA COMMUNITY HOSPITAL'S INFECTION CONTROL RISK ASSESSMENT (ICRA) REQUIREMENTS FOR MORE INFORMATION.

LIST OF CONSULTANTS

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

ELECTRICAL ENGINEER
ENGINEERING PARTNERS, INC
455 E LANIKAULA STREET
HILO, HAWAII 96720

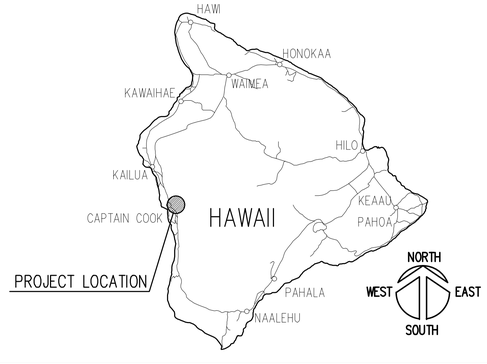
STRUCTURAL ENGINEER
ENGINEERING PARTNERS, INC
455 E LANIKAULA STREET
HILO, HAWAII 96720

MECHANICAL ENGINEER
THERMAL ENGINEERING CORPORATION
512 KALIHI STREET
HONOLULU, HAWAII 96819

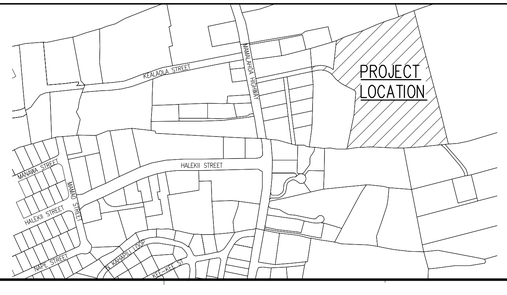
FIRE PROTECTION ENGINEER
THERMAL ENGINEERING CORPORATION
512 KALIHI STREET
HONOLULU, HAWAII 96819

ENVIRONMENTAL ENGINEER
ENVIROSERVICES & TRAINING CENTER, LLC
505 WARD AVENUE, SUITE 202
HONOLULU, HAWAII 96814

VICINITY MAP



LOCATION MAP



DRAWING INDEX

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL
79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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KEYPLAN:

FRED K. ERSKINE
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HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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).

BUILDING: -

DRAWING		
PROJECT NO.		19-16.2
DRAWN BY:		-
DATE:		FEBRUARY 2022
SCALE:		AS SHOWN
TITLE:		TITLE SHEET
NUMBER:		T-001

ABBREVIATIONS

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

DRAWING SYMBOLS

ENLARGED PLANS — ENLARGED PLAN OR SECTION DETAIL AREA; X / A-X; DRAWING NUMBER LOCATION; SHEET NUMBER LOCATION

DETAILS — X / A-X; DRAWING NUMBER LOCATION; SHEET NUMBER LOCATION

ELEVATIONS/ SECTIONS — X / A-X; DRAWING NUMBER LOCATION; SHEET NUMBER LOCATION; DIRECTION OF ELEVATION

NORTH ARROW — NORTH; WEST; EAST; SOUTH

INTERIOR ELEVATION KEY — A; B; C; D; KEY TO INTER. ELEV.

COLUMN LINE — A; 1; LETTERS IN ONE DIRECTION; NUMBERS IN OTHER DIRECTION

CHANGE IN ELEVATION — X"; LEVEL CHANGE

WORK POINT, CONTROL POINT, DATUM POINT — F.F. ELEV. 00.00' (TYP.) UON

MATCHLINE — MATCHLINE; SEE 1/A-1 FOR PLAN CONT.

REVISION CLOUD — 1; REVISION NUMBER; REVISION SYMBOL

ROOM IDENTIFICATION — X / X / X; ROOM NAME; ROOM NUMBER OR CEILING HEIGHT (ON RELECTED CEILING PLAN); FLOOR OR CEILING FINISH

PHOTOGRAPH IDENTIFICATION — A; PHOTOGRAPH LOCATION LETTER; DIRECTION OF PHOTOGRAPH

DOOR — XX; DOOR NUMBER; DOOR SYMBOL

WINDOW — XX; WINDOW NUMBER; WINDOW SYMBOL

WALL TYPE — XX; WALL TYPE NUMBER; WALL TYPE SYMBOL

SIGNAGE — XX; SIGN NUMBER; SIGN SYMBOL

FINISH IDENTIFICATION — PT-1; FINISH NUMBER; FINISH SYMBOL

KEY NOTE — A; KEY NOTE NUMBER; KEY NOTE SYMBOL

CEILING HEIGHT — +8'-6"

PLAN SYMBOLS

FLOOR	WALL MTD	CEILING MTD	DESCRIPTION
FD			FLOOR DRAIN
CO			CLEAN OUT
			RECESSED ELECTRICAL PANEL
			SURFACE MOUNTED ELECTRICAL PANEL
			SURFACE MOUNTED LIGHT FIXTURE
			RECESSED LIGHT FIXTURE
			WALL SCONCE
			LAY-IN FLUORESCENT FIXTURE
			UNDER CABINET LIGHT FIXTURE
			EMERGENCY LIGHT FIXTURE
	N		NURSE'S CALL PULL STATION
	N	N	NURSE'S CALL LIGHT
	J	J	JUNCTION BOX
			EXHAUST FAN
			SUPPLY AIR DIFFUSER
			RETURN AIR REGISTER
			ACCESS PANEL
			FIRE SPRINKLER
			EXIT LT FIXT - ARROW INDICATE DIRECTION
	SD	SD	SMOKE DETECTOR
	FA		FIRE ALARM PULL STATION
	FA	FA	FIRE ALARM HORN/STROBE
	CR		CARD READER
	S	S	SPEAKER
	C	C	CAMERA
FEC-SR			FEC-SR: FIRE EXTINGUSHER CAB - SEMI-RECESSED MTD

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Quality Healthcare for All

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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

KEYPLAN:

ERSKINE ARCHITECTS, INC.
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FRED K. ERSKINE — LICENSED PROFESSIONAL ARCHITECT — No. 10192 — HAWAII, U.S.A.

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BUILDING: -

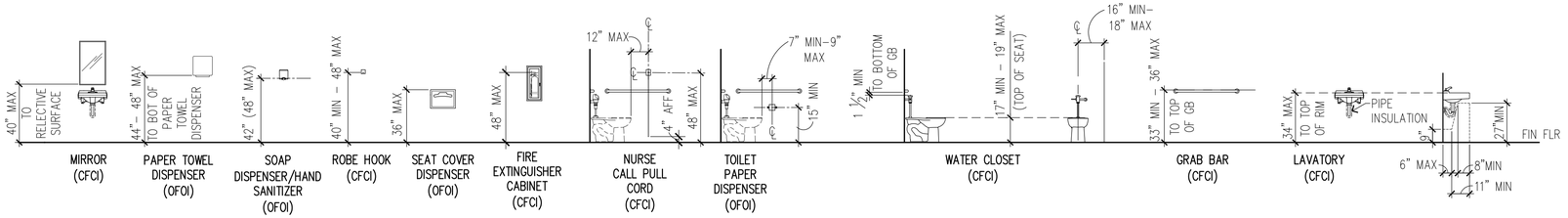
PROJECT NO.	19-16.2
DRAWING BY:	-
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	ABBREVIATIONS, PLAN SYMBOLS, & DRAWING SYMBOLS
NUMBER:	A-001

NOTES (THIS SHEET)

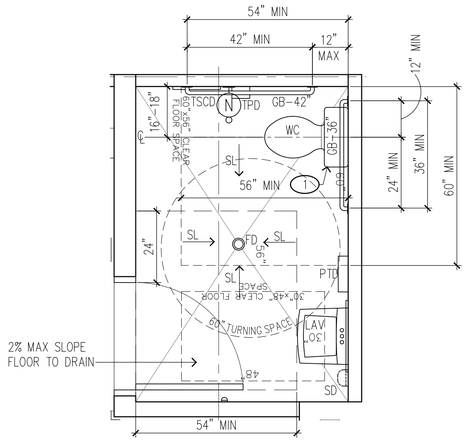
1. ALL NOTES & DIMENSIONS PROVIDED ARE FOR GENERAL CONFORMANCE PURPOSES ONLY. THE CONTRACTOR SHALL NOT RELY SOLELY UPON THIS DWG SHEET FOR MOUNTING, INSTALLATION & CLEARANCE REQUIREMENTS.
2. THE CONTRACTOR SHALL VERIFY ADA MOUNTING, INSTALLATION & CLEARANCE REQUIREMENTS W/ THE MANUFACTURER & OTHER REFERENCED ACCESSIBILITY GUIDES (ADAAG MIN.) PRIOR TO INSTALLATION.
3. WATER CLOSETS SHALL BE SENSOR ACTIVATED FLUSHING TYPE.
4. LAVATORY FAUCETS SHALL BE SENSOR ACTIVATED.
5. ULTRASOUND SINK FAUCETS SHALL BE MANUALLY OPERATED.
6. RESTROOM FIXTURES/ACCESSORIES ABBREVIATIONS:

GB	STAINLESS STEEL GRAB BAR
HS	HAND SANITIZER
LAV	LAVATORY
PTD	PAPER TOWEL DISPENSER
SND	SANITARY NAPKIN DISPENSER
SCD	TOILET SEAT COVER DISPENSER
SD	SOAP DISPENSER
TPD	TOILET PAPER DISPENSER
TSCD	TOILET SEAT COVER DISPENSER
WC	WATER CLOSET

7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN & SHALL INDICATE A CLEAR DIMENSION, UNLESS OTHERWISE NOTED.



1 FIXTURE MOUNTING HEIGHTS
SCALE: NTS



2 RESTROOM CLEARANCE
SCALE: 1/2" = 1'–0"
SCALE: 1/2" = 1'–0"

HAWAI'I COUNTY ENERGY CODE

2018 IECC, HAWAI'I REVISED STATUTES HRS 107-24 TO 28 & HAWAI'I ADMINISTRATIVE RULES HAR 3-181.1

COMMERCIAL BUILDING ENERGY EFFICIENCY STANDARDS

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECTS DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE **COMMERCIAL PROVISIONS FOR BUILDING ENVELOPE COMPONENTS (C402)** OF THE 2018 IECC WITH AMENDMENTS PER HAR 3 -181.1:

COMPLIANCE METHOD

- ☒ 2018 IECC as amended. Mandatory & Prescriptive
- ☐ 2018 IECC as amended. Mandatory & Total Building Performance
- ☐ ASHRAE Standard 90.1-2013. Mandatory & Prescriptive
- ☐ ASHRAE Standard 90.1-2013. Mandatory & Energy Cost Budget Method

INFORMATION IN CONSTRUCTION DOCUMENTS	Yes	N/A
Roof insulation R-value	☐	☒
Roof insulation type and location	☐	☒
Roof membrane solar reflectance and thermal emittance	☐	☒
Wall insulation R-value	☐	☒
Wall insulation type and location	☐	☒
Window SHGC	☐	☒
Window U-factor	☐	☒
Skylight SHGC	☐	☒
Skylight U-factor	☐	☒

NOTES

WORK IS PRIMARILY INDOORS. THE ONLY EXTERIOR RELATED WORK ARE LOUVER REPLACEMENT, PARTIAL WALL INFILL, AND RELOCATION OF FUEL MONITOR DEVICE TO THE FUEL TANK. EXISTING EXTERIOR WINDOWS AND ROOF ARE TO REMAIN. THERE ARE NO SKYLIGHTS IN THIS PROJECT.

Signature: Fred K. Erskine Date: 2/14/2022 Stamp, Date & Two-Part Statement

Name: FRED K. ERSKINE

Title : PRESDIENT

License No. : 10192

Project Name: NEW ULTRASOUND ROOM & MISCELLANEOUS ALTERATIONS

Project TMK: (7)-9-010: 081

KEYNOTE NO.	KEYNOTES (THIS SHEET)
1	FLUSH CONTROL SHALL BE ACCESSIBLE PER ADAAG 604.5.2.

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. SEE SHEET T-001 FOR ADDITIONAL NOTES AND REQUIREMENTS.
3. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
4. ALL WORK SHALL BE PERFORMED IN A MANNER THAT PROTECTS BUILDING OCCUPANTS, VISITORS, AND OTHER PROFESSIONS FROM EMISSION, NOISE, DUST, AND OTHER SOURCES OF INTERFERENCE. THE CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION DURING ALL 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.
5. ALL YARD AREAS DAMAGED AS A RESULT OF THE WORK SHALL BE REPAIRED TO MATCH 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.
6. CONTRACTOR SHALL PREPARE & PAINT ALL NEW WORK, UNFINISHED SURFACES, & ALL OTHER AREAS DAMAGED AS A RESULT OF THE WORK, UON.
7. WHERE APPLICABLE, THE CONTRACTOR SHALL FINISH ALL NEW SURFACE(S) TO MATCH EXISTING ADJACENT SURFACE(S).
8. SEE STRUCTURAL, MECHANICAL, FIRE PROTECTION, & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
9. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS THAT WILL BE AFFECTED BY THE WORK.

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

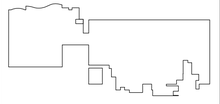
79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
540 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:



FRED K. ERSKINE
LICENSED PROFESSIONAL ARCHITECT
No. 10192
HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

Fred K. Erskine
SIGNATURE

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).

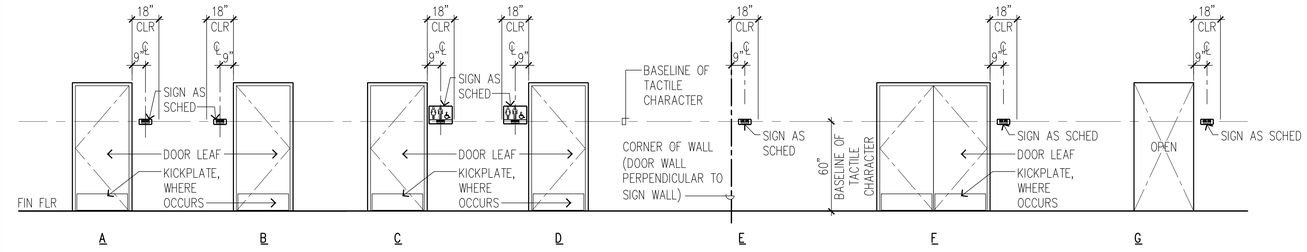
BUILDING: –

PROJECT NO.	19-16.2
DRAWN BY:	–
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	ACCESSIBLE HEIGHTS & CLEARANCES, IECC STAMP
NUMBER:	A-002

SIGNAGE SCHEDULE

NO.	MTG	TYPE	SIGN TEXT	REMARKS
13	D	3	RESTROOM	1 LINE TEXT
14	A	1	EXIT	1 LINE TEXT
15	B	1	ULTRASOUND	1 LINE TEXT

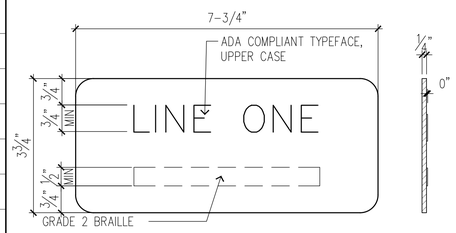
NOTES:
1. SIZES INDICATED ARE FOR DESIGN REFERENCE. CONTRACTOR SHALL VERIFY ON-SITE CONDITION DIMENSIONS TO DETERMINE ACTUAL SIZES TO BE ORDERED. CONFIRM FINAL SIZES W/ ARCHITECT BEFORE ORDERING.
2. PROVIDE ADAAG COMPLIANT SIGNAGE.



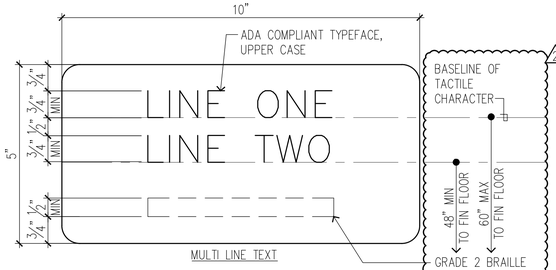
1 SIGN MOUNTING KEY

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

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



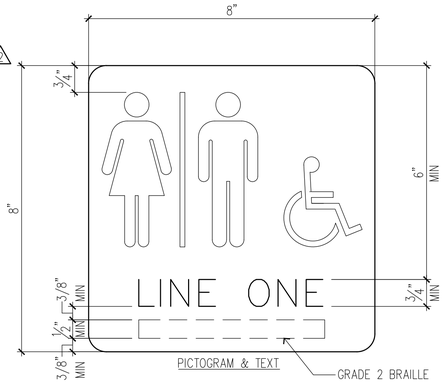
SINGLE LINE TEXT



MULTI LINE TEXT

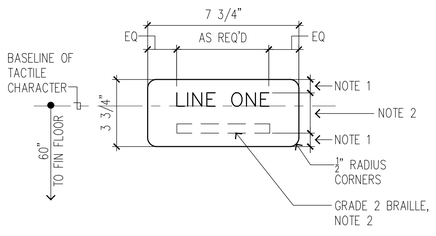
SIGNAGE MATERIAL:

1. COMPLY WITH 2010 ADAAG SECTION 703 SIGNAGE.
2. MATERIAL: CAST-ACRYLIC SHEET: SUBMIT FULL RANGE OF MANUFACTURER'S STANDARD COLOR TO BE SELECTED BY ARCHITECT & OWNER.
3. TACTILE AND BRAILLE COPY: MANUFACTURER'S STANDARD PROCESS FOR PRODUCING COPY COMPLYING WITH ADA ACCESSIBILITY GUIDELINES AND ICC/ANSI A117.1. TEXT SHALL BE ACCOMPANIED BY GRADE 2 BRAILLE. PRODUCE PRECISELY FORMED CHARACTERS WITH SQUARE CUT EDGES FREE FROM BURRS AND CUT MARKS.
   A. PANEL MATERIAL: OPAQUE ACRYLIC SHEET PHOTOPOLYMER CLEAR ACRYLIC SHEET WITH OPAQUE COLOR COATING, SUBSURFACE APPLIED.
   B. RAISED-COPY THICKNESS: NOT LESS THAN 1/32 INCH (0.8 MM).
4. CHARACTERS MUST CONTRAST WITH BACKGROUND. LIGHT CHARACTERS ON DARK BACKGROUND.
5. MOUNTING: SIGNS SHALL BE MOUNTED WITH VANDAL-PROOFSTAINLESS STEEL SCREW FASTENERS. NO DOUBLE-STICK TAPE OR ADHESIVES SHALL BE FOR SIGNS LOCATED ON EXTERIOR WALLS.
6. IF SIGN LENGTH EXCEEDS AVAILABLE WALL WIDTH, TEXT SHALL BE PLACED ON TWO OR MORE LINES, AS REQ'D.

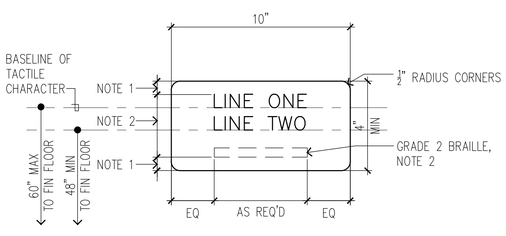


2 SIGN DETAIL

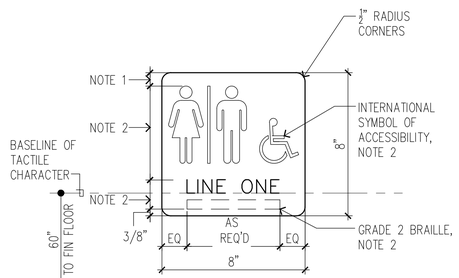
SCALE: NOT TO SCALE



1



2

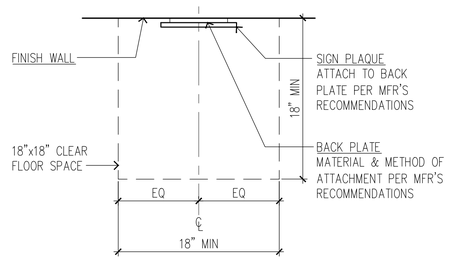


3

NOTES:
1. DIMENSION FROM TOP & BOTTOM OF TEXT TO SIGN EDGE SHALL BE 3/4" UON.
2. TEXT, BRAILLE & PICTORIAL SYMBOL SHALL COMPLY WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, SECTION 703.
3. IF SIGN LENGTH EXCEEDS AVAILABLE WALL WIDTH, TEXT SHALL BE PLACED ON TWO OR MORE LINES, AS REQ'D.
4. ALL SIGNAGE BY JOHN ALLEN SIGNS, NO EXCEPTIONS.

3 SIGN TYPES

SCALE: NOT TO SCALE



A

NOTES:
1. CONTRACTOR SHALL VERIFY SIZE OF PROPOSED SIGN W/ MOUNTING LOCATION SHOWN & NOTIFY ARCHITECT PRIOR TO SIGN FABRICATION OF ANY SIGN THAT EXCEED THE AVAILABLE WALL SPACE.
2. WHERE GLAZING OCCURS, CONTRACTOR SHALL MOUNT SIGN ACCORDING TO SIGN MANUFACTURER'S INSTRUCTIONS.

4 MOUNTING DETAIL

SCALE: NOT TO SCALE

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
340 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

FRED K. ERSKINE LICENSED PROFESSIONAL ARCHITECT No. 10192 HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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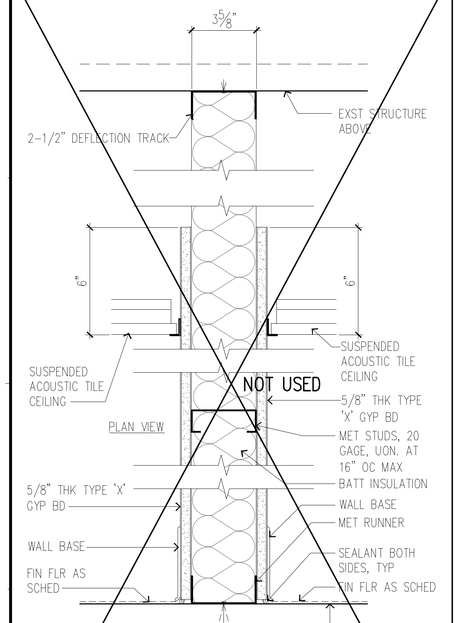
BUILDING: –

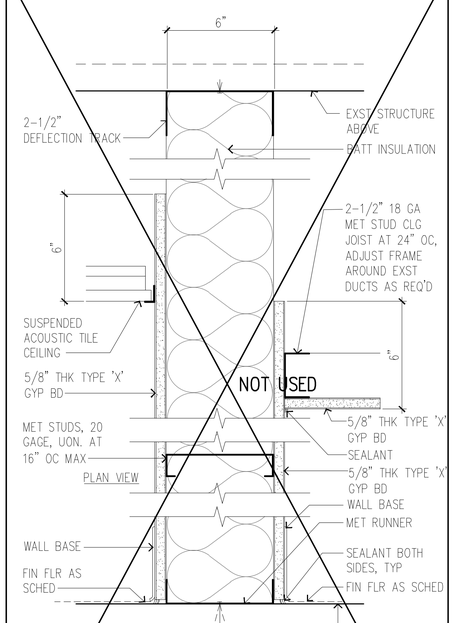
DRAWING		
PROJECT NO.		19-16.2
	DRAWN BY:	–
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	SIGN SCHEDULE & DETAILS
	NUMBER:	A-003



A FULL HEIGHT PARTITION

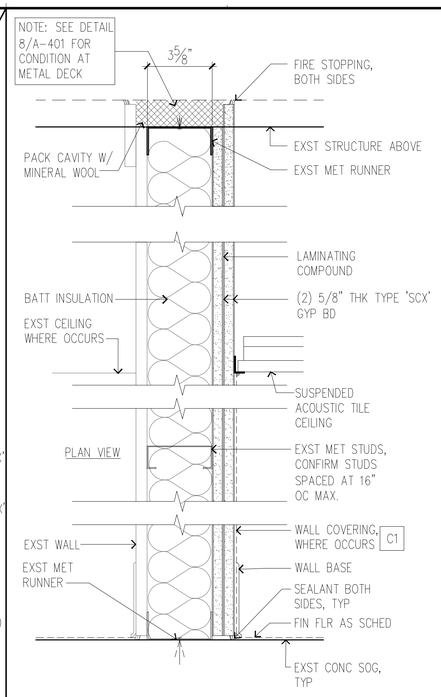
SCALE: 3" = 1'-0"

SCALE: 3" = 1'-0"



B FULL HEIGHT PARTITION

SCALE: 3" = 1'-0"



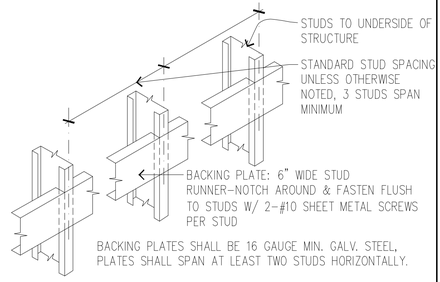
C 1-HR FIRE RATED PARTITION

SCALE: 3" = 1'-0"

UL NO. V497

PARTITION SCHEDULE NOTES:

1. PARTITION TYPES INDICATE GENERIC PARTITION CONSTRUCTION, UON.
2. CONTRACTOR SHALL FIELD VERIFY REQUIRED FLOOR/CEILING CONNECTION AND INSTALL PARTITIONS TO MAINTAIN SPECIFIED FIRE RATING.
3. GYP. BD.: 5/8" THK. TYPE "X" U.O.N.
4. SEE DET 1/A-004 FOR BACKING PLATE REQUIREMENTS FOR EQUPMENT, ARTWORK, TOILET ACCESSORIES, GRAB BARS, COUNTERS, CABINETRY AND SHELVING.
5. TYPICAL CONDITIONS (UON):
   - 5.1. TERMINATION: TERMINATE STUDS AT STRUCTURAL SOFFIT; ALLOW FOR DEFLECTION.
   - 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.
7. GYPSUM BOARD APPLICATION AND FINISHING SHALL BE PER GYPSUM ASSOCIATION PUBLICATIONS FOR USE AND INSTALLATION.
8. 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.

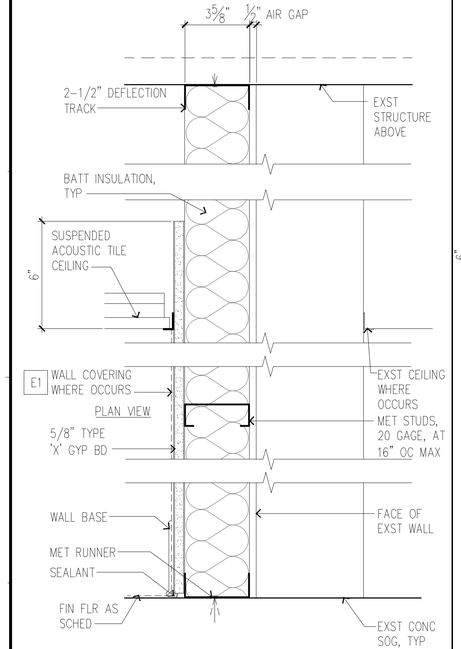


BACKING PLATES SHALL BE 16 GAUGE MIN. GALV. STEEL, PLATES SHALL SPAN AT LEAST TWO STUDS HORIZONTALLY.

FOR GRAB BARS, HANDRAIL BRACKETS, SEATS, & SHELVES: USE 18 GAUGE RUNNER (MIN.) UNLESS OTHERWISE NOTED

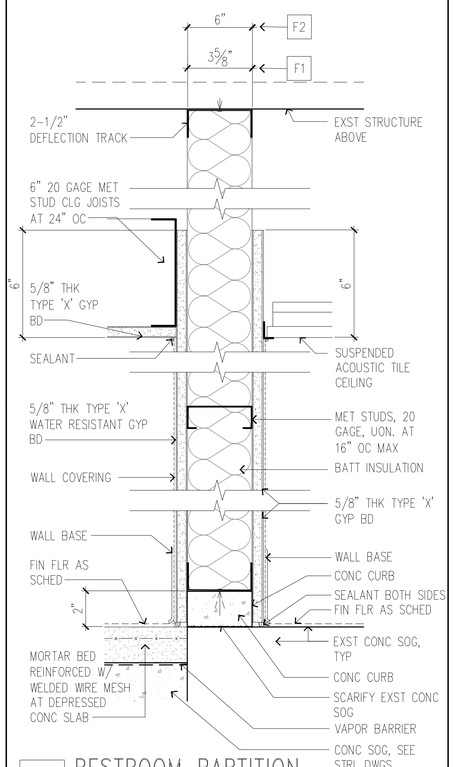
1 BACKING DETAIL

NTS



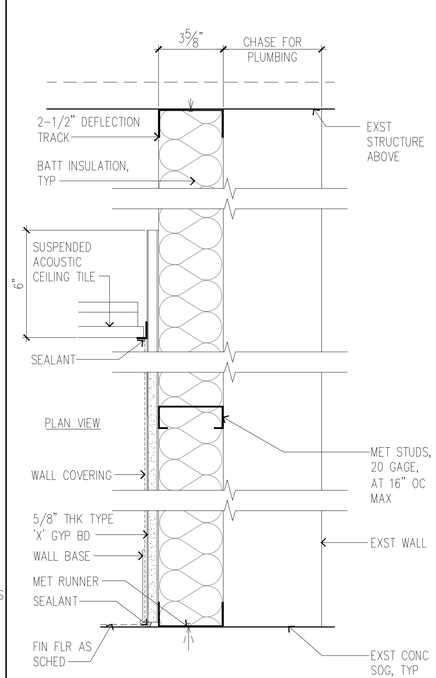
E FURRED WALL

SCALE: 3" = 1'-0"



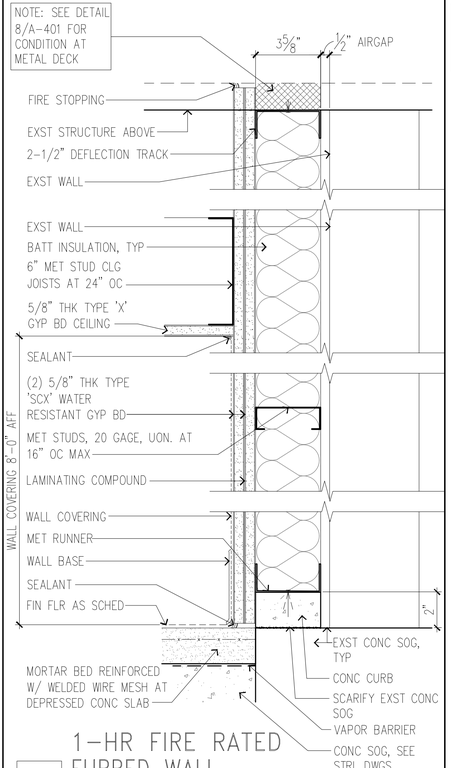
F RESTROOM PARTITION

SCALE: 3" = 1'-0"



G CHASE WALL

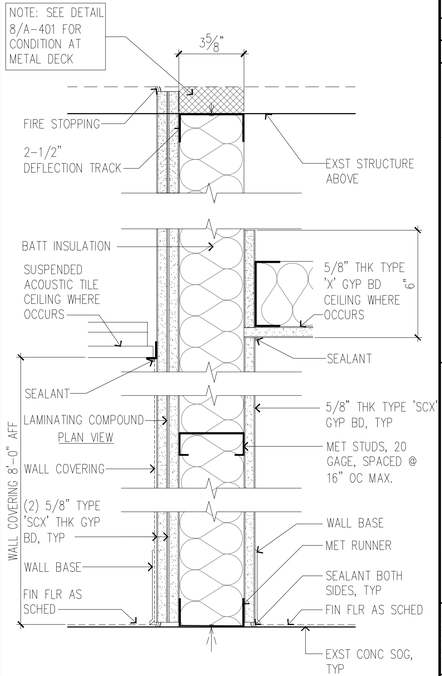
SCALE: 3" = 1'-0"



H 1-HR FIRE RATED FURRED WALL

SCALE: 3" = 1'-0"

UL NO. V497



J 1-HR FIRE RATED PARTITION

SCALE: 3" = 1'-0"

GA FILE NO. WP 1021

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750

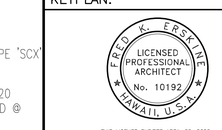
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
540 LAGOON DR., SUITE 4 HONOLULU, HI. 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:



THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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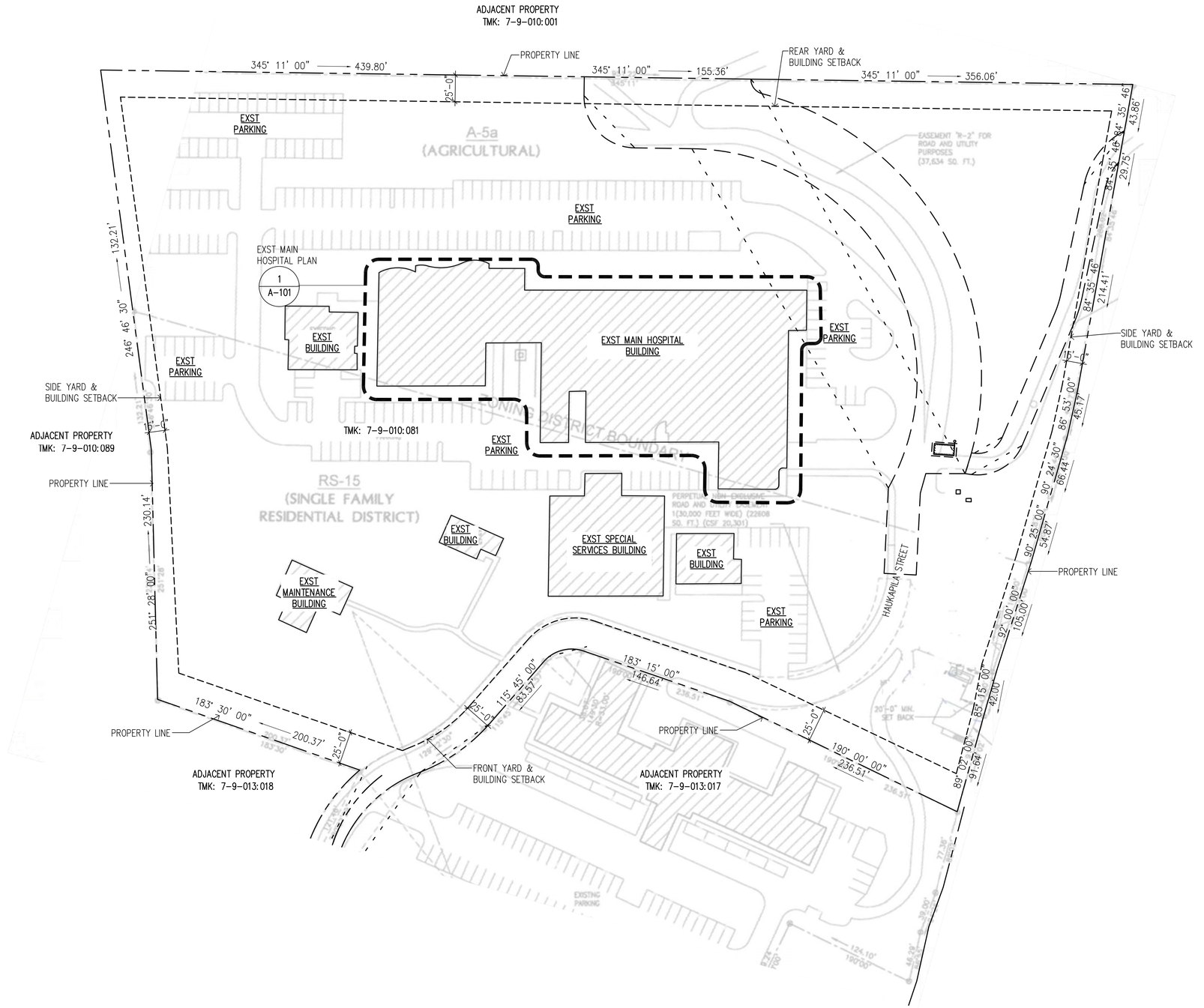
BUILDING: -

PROJECT NO.	19-16.2
DRAWN BY:	-
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	PARTITION TYPES
NUMBER:	A-004

DRAWING



1 SITE PLAN
SCALE: 1" = 50'

0 50' 100'
SCALE: 1" = 50'-0"

PROJECT INFO

PROJECT SITE INFORMATION:

OWNER:	HAWAII HEALTH SYSTEMS CORP	
PROPERTY OWNER:	HAWAII HEALTH SYSTEMS CORP	
PROPERTY ADDRESS:	79-1019 HAUKAPILA STREET KEALAKEKUA, HAWAII 96750	
TAX MAP KEY:	7-9-010: 081	
LOT AREA:	ACRE 12.075	SQUARE FT 525,987

LAND USE INFORMATION:

ZONING:	RS-15 RESIDENTIAL
FRONT & REAR YARD:	25 FEET
SIDE YARD:	15 FEET
HEIGHT LIMIT	35 FEET
FLOOD ZONE:	ZONE 'X'
SMA:	NOT IN SMA
HISTORIC REGISTER:	NONE
SPECIAL DISTRICT:	NOT IN SPECIAL DISTRICT
STATE LAND USE:	U-URBAN

CODES & STANDARDS:

2018 INTERNATIONAL BUILDING CODE
AS AMENDED BY THE COUNTY OF HAWAII
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 UNIFORM PLUMBING CODE
2012 NFPA
2017 NATIONAL ELECTRIC CODE
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
2014 FACILITY GUIDELINES INSTITUTE
2013 GUIDELINES FOR LABORATORY DESIGN

ULTRASOUND ROOM,
NUCLEAR MEDICINE,
ELECTRICAL ROOM

OCCUPANCY GROUP(S):	I-2 (NO CHANGE)
TYPE OF CONSTRUCTION:	IIA
ALLOWABLE AREA(S)	15,000
ALLOWABLE HEIGHT	2 STORIES
NO. OF STORIES:	2

FLOOR AREA CALCULATIONS:

NEW SPACE	AREA (SF)	OCC LOAD FACTOR	NO. OF OCC (SF/OCC)
ULTRASOUND ROOM	294	100	2.94
RESTROOM	58	1/FIXT	1
TOTAL AREA:	352		

LOT COVERAGE:

BUILDING:	AREA (SF)
HOSPITAL	21,150
PERCENTAGE OF LOT COVERAGE:	4.00%
PARKING AND LOADING	NO CHANGE

SCOPE OF WORK:

RENOVATION OF AN EXISTING MENS LOCKER ROOM TO A NEW ULTRASOUND ROOM.
REPAIR WORK AT ELECTRICAL ROOM WALL AND CEILING.
REPAIR WORK AT FILE STORAGE & WOMENS LOCKER FOR FIRE DAMPER INSTALLATION.

SPECIAL INSPECTION:

CONCRETE REINFORCING STEEL & FORMWORK
ANCHOR BOLTS (RODS) IN CONCRETE
EPOXY ANCHORS & DOWELS

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE
1	EPIC COMMENTS	7/5/22

ERSKINE ARCHITECTS, INC.
340 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

FRED K. ERSKINE
LICENSED PROFESSIONAL ARCHITECT
No. 10192
HAWAII, U.S.A.

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BUILDING: -

DRAWING		
	PROJECT NO.	19-16.2
	DRAWN BY:	-
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	OVERALL SITE PLAN
	NUMBER:	A-100

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. SEE SHEET T-001 FOR ADDITIONAL NOTES AND REQUIREMENTS.
3. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
4. ALL WORK SHALL BE PERFORMED IN A MANNER THAT PROTECTS BUILDING OCCUPANTS, VISITORS, AND OTHER PROFESSIONS FROM EMISSION, NOISE, DUST, AND OTHER SOURCES OF INTERFERENCE. THE CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION DURING ALL 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.
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6. CONTRACTOR SHALL PREPARE & PAINT ALL NEW WORK, UNFINISHED SURFACES, & ALL OTHER AREAS DAMAGED AS A RESULT OF THE WORK, UON.
7. WHERE APPLICABLE, THE CONTRACTOR SHALL FINISH ALL NEW SURFACE(S) TO MATCH EXISTING ADJACENT SURFACE(S).
8. SEE STRUCTURAL, MECHANICAL, FIRE PROTECTION, & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
9. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS THAT WILL BE AFFECTED BY THE WORK.

LEGEND

- 1-HOUR FIRE RATED WALL
- 2-HOUR FIRE RATED WALL
- SMOKE RATED WALL
- FIRE WALL BARRIER
- EXIT
- STAIRWELL
- EGRESS PATH

ADDITIVE ALTERNATE NO. 1 DEMO REFLECTED CEILING PLAN MENS LOCKER ROOM — 2 / A-113

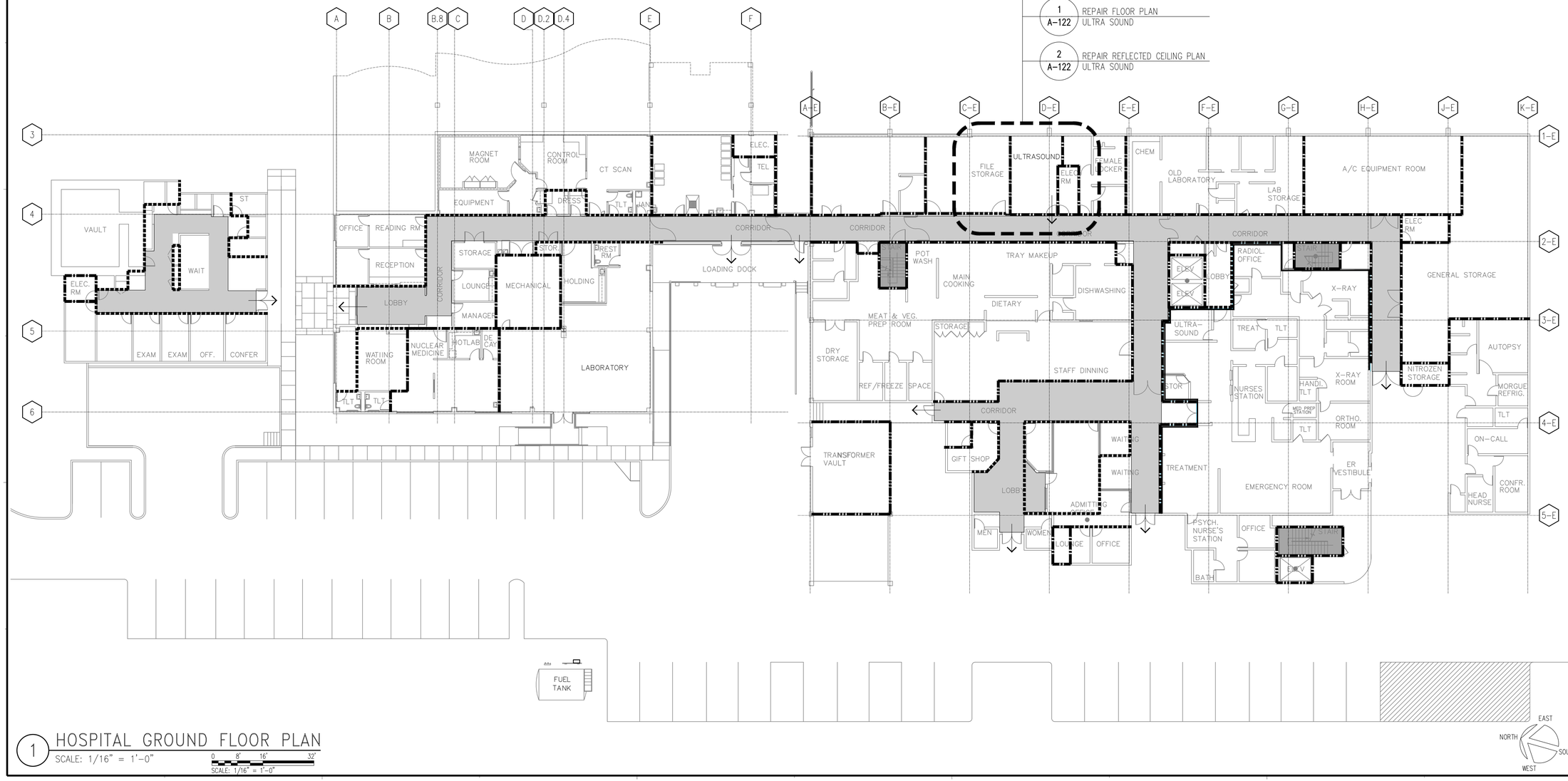
ADDITIVE ALTERNATE NO. 1 REPAIR REFLECTED CEILING PLAN ULTRA SOUND — 2 / A-123

1 / A-112 DEMO FLOOR PLAN MENS LOCKER ROOM

2 / A-112 DEMO REFLECTED CEILING PLAN MENS LOCKER ROOM

1 / A-122 REPAIR FLOOR PLAN ULTRA SOUND

2 / A-122 REPAIR REFLECTED CEILING PLAN ULTRA SOUND



1 HOSPITAL GROUND FLOOR PLAN

SCALE: 1/16" = 1'-0"

0 8' 16' 32'

SCALE: 1/16" = 1'-0"

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750

ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
540 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

FRED K. ERSKINE
LICENSED PROFESSIONAL ARCHITECT
No. 10192
HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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BUILDING: -

DRAWING:		
PROJECT NO.		19-16.2
DRAWN BY:		-
DATE:		FEBRUARY 2022
SCALE:		AS SHOWN
TITLE:		OVERALL FLOOR PLAN & LIFE SAFETY PLAN
NUMBER:		A-101

DEMOLITION NOTES

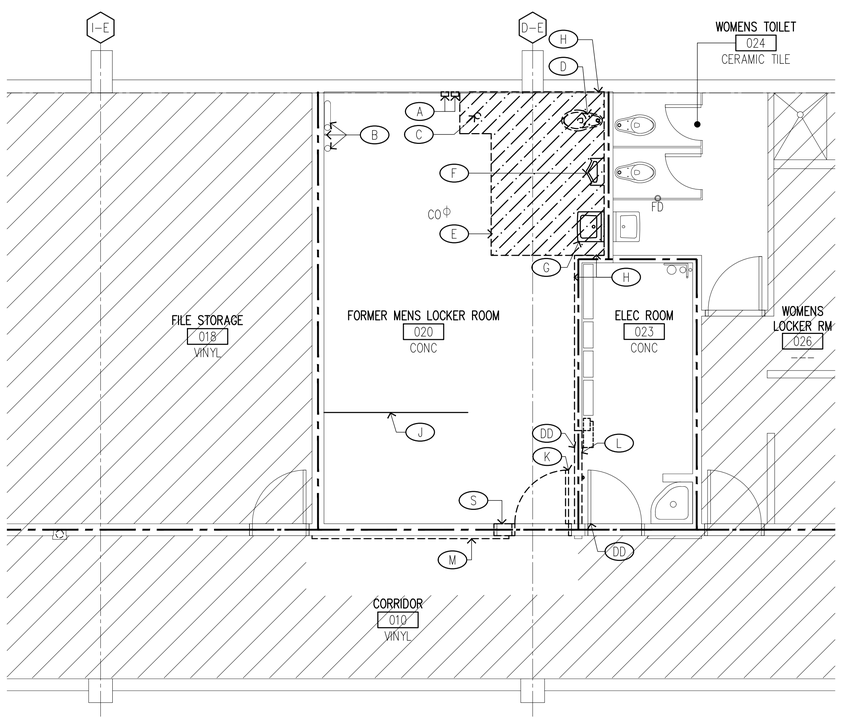
1. SEE SHEET T-001 FOR ADDITIONAL NOTES & REQUIREMENTS.
2. PERFORM ALL DEMOLITION SO THAT EXISTING CONSTRUCTION THAT WILL REMAIN IS UNDAMAGED.
3. EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. VERIFY THE EXTENT OF REMOVAL WORK TO PROPERLY ACCOMMODATE THE METHOD OF REQUIRED NEW CONSTRUCTION. ADDITIONAL REMOVAL & PATCHING REQUIRED TO ACCOMMODATE NEW CONSTRUCTION SHALL BE INCIDENTAL TO NEW WORK.
4. PROPERLY PREPARE ALL SURFACES THAT ARE TO BE RE-PAINTED AS NEEDED TO MEET 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 & SPECIFICATIONS.
5. ALL DIMENSIONS SHOWN ARE APPROXIMATE & SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
6. SEE ELECTRICAL & MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
7. EXTENT OF SAWCUTTING OF THE CONCRETE SLAB ON GRADE & EXCAVATION IS NOT DEPICTED. 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, TRENCHING, EXCAVATION, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING INFRASTRUCTURE.
9. EXTENTS/LIMITS OF TRENCHING & EXCAVATION WORK IS NOT SHOWN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR TRENCHING & EXCAVATION WORK TO RELOCATE BURIED INFRASTRUCTURE.
10. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AROUND WORK AREA DURING CONSTRUCTION.

FIRE DAMPER NOTES (THIS SHEET)

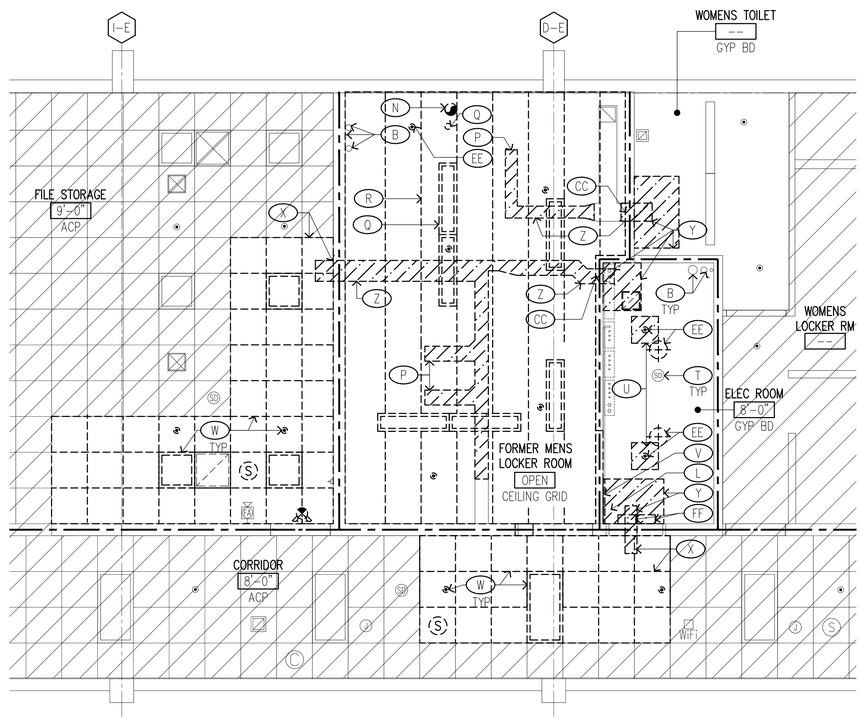
1. CUT & DEMO PORTION OF GYP BD CEILING TO ACCESS DUCT.
2. TEMPORARILY REMOVE & SALVAGE CEILING MOUNTED DEVICES AFFECTED BY FIRE DAMPER INSTALLATION.
3. TEMPORARILY REMOVE & SALVAGE ACOUSTIC CEILING PANELS.
4. CUT & REMOVE PORTION OF DUCT INSULATION & DUCT. PREPARE FOR NEW FIRE DAMPER INSULATION.
5. SAW CUT CONC WALL FOR NEW DUCT PENETRATION.
6. CUT & DEMO PORTION OF GYP BD WALL AROUND DUCT PENETRATION FOR FIRE DAMPER INSTALLATION, AS REQ. SEE MECH DWGS.

LEGEND

- 1-HOUR FIRE RATED WALL
- SMOKE RATED WALL
- INDICATES EXST TO REMAIN
- INDICATES EXST TO BE DEMOLISHED
- SUPPLY AIR DIFFUSER (SAD)
- RETURN AIR REGISTER (RAR)
- LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- NURSE CALL LIGHT
- NURSE CALL PULL STATION
- EXIT LIGHT W/ FLOOD LIGHTS
- FIRE ALARM HORN/STROBE
- EXHAUST FAN
- CEILING MOUNTED SPEAKER
- SMOKE DETECTOR
- JUNCTION BOX
- WIFI ROUTER
- FIRE SPRINKLER
- CURTAIN
- SURFACE MOUNTED LIGHT FIXTURE
- LIGHT FIXTURE
- SUSPENDED ACOUSTIC CEILING PANEL (ACP)
- GYP BD CEILING



1 DEMOLITION FLOOR PLAN – FORMER MENS LOCKER ROOM
SCALE: 1/4" = 1'-0"



2 DEMOLITION REFLECTED CEILING PLAN–FORMER MENS LOCKER ROOM
SCALE: 1/4" = 1'-0"

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

KEYNOTES (THIS SHEET)

KEYNOTE NO.	
A	DEMO RECEPTACLES & WIRING. REROUTE POWER TO NEW ELEC PANEL, SEE ELEC DWGS.
B	PLUMBING PIPES & ELECTRICAL CONDUITS TO REMAIN, SEE MECH & ELEC DWGS.
C	DEMO BLANK PLATE FLOOR DRAIN COVER TO REMAIN, SEE MECH DWGS.
D	DEMO WATER CLOSET & PREPARE PLUMBING FOR NEW WATER CLOSET. SEE MECH DWGS.
E	SAWCUT & EXCAVATE PORTION OF CONC SOG FOR NEW PLUMBING LINE & DEPRESSED SLAB, SEE STRUCT DWGS.
F	DEMO URINAL. CUT & CAP PLUMBING, SEE MECH DWGS.
G	DEMO LAV & PREPARE PLUMBING FOR NEW LAV, SEE MECH DWGS.
H	EXPOSED WALL STUD FRAMING. REMOVE DEBRIS FROM WITHIN METAL RUNNER TRACK.
J	PATCH & REPAIR EXPANSION JOINT/CRACKS IN SOG, SEE STRUCT DWGS.
K	DEMO DOOR & FRAME COMPLETE.
L	CUT & DEMO DAMAGED GYP BD AFFECTED BY LEAK.
M	TEMPORARILY REMOVE & SALVAGE WALL GUARD, WALL BASE, & WALL COVERING.
N	DEMO EXHAUST FAN, SEE MECH DWGS.
P	CUT & DEMO AC DUCTS, SEE MECH DWGS.
Q	DEMO LIGHT FIXTURES, SAD, RAR, FIRE SPRINKLERS, & SMOKE DETECTORS, UON.
R	DEMO CEILING GRID COMPLETE.
S	SAW CUT & DEMO PORTION OF CONC WALL FOR NEW DOOR.
T	CEILING MTD FIXTURE/DEVICES TO REMAIN.
U	CUT & DEMO GYP BD CEILING FOR FIRE SPRINKLER REPLACEMENT.
V	CUT & DEMO SEGMENT OF CONDUIT AS REQ'D FOR WALL/CEILING REPAIR, SEE ELEC DWGS.
W	TEMPORARILY REMOVE, DISCONNECT, AND/OR ADJUST CEILING GRID, PANELS, LIGHT FIXTURES, FIRE SPRINKLER ESCUTCHEON PLATES, & OTHER CEILING MOUNTED DEVICES AS NECESSARY FOR THE WORK.
X	SEE FIRE DAMPER NOTES 3, 2, & 4.
Y	SEE FIRE DAMPER NOTES 1, 2, & 4.
Z	SEE FIRE DAMPER NOTE 4.
AA	NOT USED.
BB	NOT USED.
CC	SEE FIRE DAMPER NOTE 6.
DD	REMOVE TRANSFER AIR GRILLE. SEE MECH DWGS.
EE	DEMO & REMOVE FIRE SPRINKLER HEADS. SEE FIRE PROTECTION DWGS. TEMPORARILY REMOVE & SALVAGE LIGHT FIXTURE, SEE ELEC DWGS.
FF	TEMPORARILY REMOVE & SALVAGE ELEC BOXES, AS REQUIRED FOR CEILING AND WALL REPAIR WORK. SEE ELEC DWGS.

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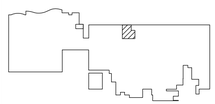
KEYPLAN:



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BUILDING: -

DRAWING		
PROJECT NO.		19-16.2
DRAWN BY:		-
DATE:		FEBRUARY 2022
SCALE:		AS SHOWN
TITLE:		DEMOLITION PLANS – FORMER MENS LOCKER ROOM
NUMBER:		A-112

GENERAL NOTES

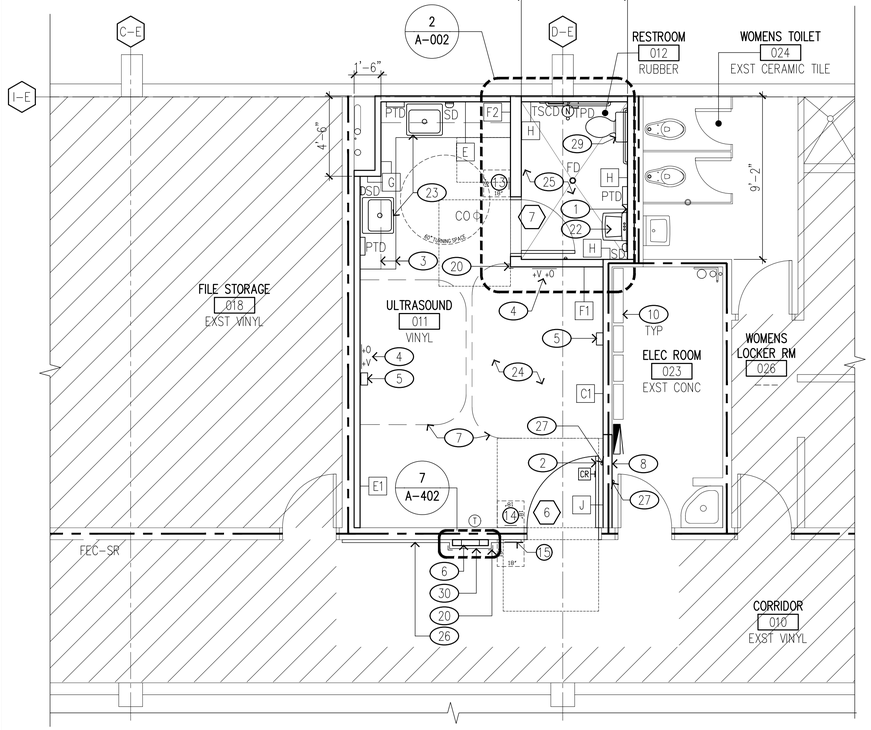
1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. SEE SHEET T-001 FOR ADDITIONAL NOTES AND REQUIREMENTS.
3. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
4. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.
5. ALL WORK SHALL BE PERFORMED IN A MANNER THAT PROTECTS BUILDING OCCUPANTS, VISITORS, AND OTHER PROFESSIONS FROM EMISSION, NOISE, DUST, AND OTHER SOURCES OF INTERFERENCE. THE CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION DURING ALL 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.
6. CONTRACTOR SHALL PREPARE & PAINT ALL NEW WORK & ALL OTHER AREAS DAMAGED AS A RESULT OF THE WORK, UON.
7. WHERE APPLICABLE, THE CONTRACTOR SHALL FINISH ALL NEW SURFACE(S) TO MATCH EXISTING ADJACENT SURFACE(S).
8. SEE STRUCTURAL, MECHANICAL, FIRE PROTECTION, & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
9. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS THAT WILL BE AFFECTED BY THE WORK.
10. PREPARE CONC SOG AS REQ'D FOR NEW FLOOR FINISHES. CONTRACTOR SHALL PERFORM MOISTURE TESTS AS RECOMMENDED BY THE MANUFACTURER OF EACH FLOOR FINISH PRIOR TO INSTALLATION OF FLOOR FINISHES. TEST RESULTS SHALL BE FURNISHED TO THE ARCHITECT. MOISTURE TESTS SHALL BE PERFORMED ON EXST & NEW CONC SOG, SUCH AS CONC PATCH AREAS & ALONG TRENCH LINES. IF MOISTURE PERCENTAGES EXCEED THOSE ALLOWED BY THE MANUFACTURER OF THE FLOOR FINISH, THE CONTRACTOR SHALL INSTALL THE RECOMMENDED SEALER PRIOR TO FLOOR INSTALLATION.

FIRE DAMPER NOTES (THIS SHEET)

1. INSTALL FIRE DAMPER & CONNECT TO DUCT PER MANUFACTURER'S RECOMMENDATIONS. PATCH & REPAIR WALL AROUND FIRE DAMPER PENETRATION.
2. WRAP EXPOSED AREAS OF DUCT WITH INSULATION. WITHOUT AFFECTING CODE REQUIREMENTS FOR THE FIRE DAMPER INSTALLATION.
3. INSTALL/PATCH & REPAIR GYP BD CEILING. MATCH EXISTING FINISH.
4. INSTALL/REINSTALL SUSPENDED ACOUSTICAL CEILING PANEL.
5. INSTALL/REINSTALL CEILING DEVICES & FIXTURES AFFECTED BY THE FIRE DAMPER INSTALLATION.
6. PATCH & REPAIR PORTION OF GYP BD WALL AROUND DUCT PENETRATION AFTER FIRE DAMPER INSTALLATION, AS REQUIRED. SEE MECH DWGS.

LEGEND

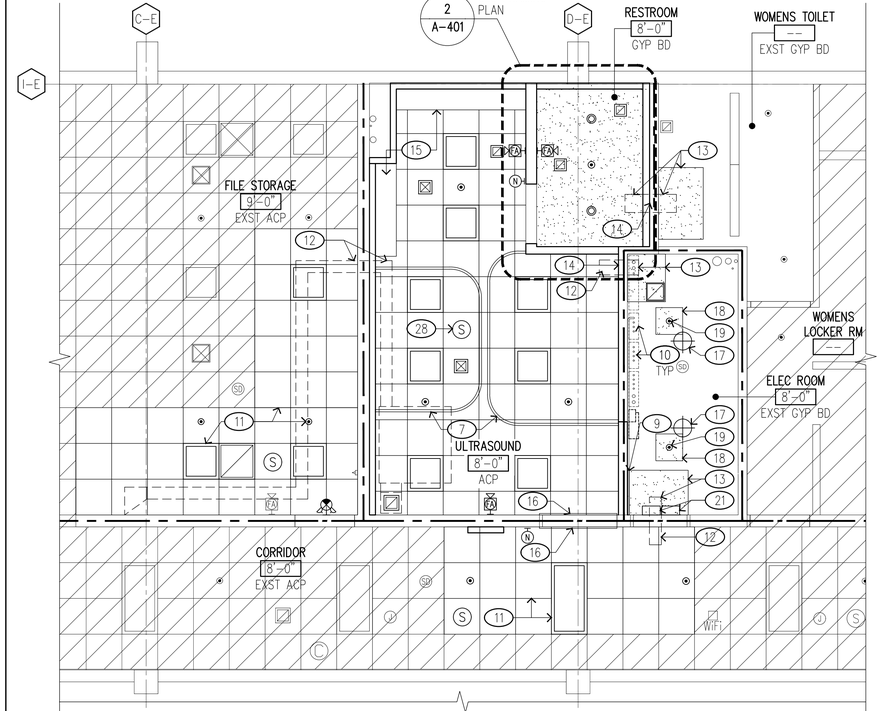
- 1-HOUR FIRE RATED WALL
- SMOKE RATED WALL
- INDICATES NEW WORK
- INDICATES EXST TO REMAIN
- SUPPLY AIR DIFFUSER (SAD)
- RETURN AIR REGISTER (RAR)
- 2X2 LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED CAN LIGHT FIXTURE
- NURSE CALL LIGHT
- NURSE CALL PULL STATION
- EXIT LIGHT W/ FLOOD LIGHTS
- FIRE ALARM HORN/STROBE
- EXHAUST FAN
- CEILING MOUNTED SPEAKER
- SMOKE DETECTOR
- JUNCTION BOX
- WIFI ROUTER
- FIRE SPRINKLER
- CURTAIN
- SURFACE MOUNTED LIGHT FIXTURE
- LIGHT FIXTURE
- SUSPENDED ACOUSTIC CEILING PANEL (ACP)
- GYP BD CEILING
- NURSE CALL PULL CORD
- FLOOR DRAIN
- CLEAN OUT
- ELECTRICAL PANEL
- SECURITY CAMERA
- FIRE EXTINGUISHER CABINET
- THERMOSTAT
- DOOR MOUNTED CARD READER



1 REPAIR FLOOR PLAN – ULTRASOUND

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

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



2 REPAIR REFLECTED CEILING PLAN – ULTRASOUND

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

KEYNOTES (THIS SHEET)

KEYNOTE NO.	
1	MIRROR.
2	WD DOOR & MET FRAME. PRIME & PAINT DOOR FRAME TO MATCH EXST. MATCH ADJACENT EXST DOOR FINISH.
3	BASE & WALL HUNG CABINETS.
4	RECESSED MED GAS OUTLET FOR OXYGEN & VACUUM, SEE MECH DWGS.
5	CODE BLUE & NURSE CALL BUTTONS, SEE ELEC DWGS.
6	RECESSED MED GAS SHUT OFF VALVE HOUSING. MANUALLY OPERATED & ALARMED. SEE MECH & ELEC DWGS.
7	CELING MOUNTED CURTAIN TRACK. (OFOI)
8	PATCH & REPAIR RATED WALL BEHIND CONDUIT & BELOW ELEC PANEL FIRE STOP ALL PENETRATIONS. PRIME & PAINT TO MATCH EXST.
9	REINSTALL PARTIAL CONDUIT. FIRE STOP PENETRATIONS. SEE ELEC DWGS.
10	EXST ELEC PANELS.
11	REINSTALL & RECONNECT CEILING GRID, PANELS, LIGHT FIXTURES FIRE SPRINKLER ESCUTCHEON PLATES, & OTHER CEILING MOUNTED DEVICES AS NECESSARY.
12	SEE FIRE DAMPER NOTES 1, 2, 4, 5.
13	SEE FIRE DAMPER NOTES 1, 2, 3, 5.
14	SEE FIRE DAMPER NOTE 6.
15	WALL HUNG CABINETS.
16	DOUBLE ANGLE HEADER. SEE STRUCT DWGS.
17	REINSTALL LIGHT FIXTURE, SEE ELEC DWGS.
18	PATCH & REPAIR GYP BD CEILING. MATCH EXST FINISH.
19	INSTALL FIRE SPRINKLER HEAD, SEE FIRE PROTECTION DWGS.
20	CORNER GUARD, TYP (3 TOTAL).
21	REINSTALL ELEC BOXES, SEE ELEC DWGS.
22	SENSORED LAVATORY, SEE MECH & ELEC DWGS.
23	MANUAL SINK, SEE MECH DWGS.
24	PATCH & REPAIR TRENCHED AREAS OF SOG. LEVEL & PREP ENTIRE FLOOR. INSTALL FLOORING AND WALL BASE.
25	DEPRESSED SLAB SLOPED TO FLOOR DRAIN. INSTALL FLOORING AND WALL BASE.
26	MODIFY & REINSTALL WALL GUARD & WALL COVERING.
27	WALL STOP.
28	INSTALL EXST SPEAKER FROM LABORATORY TO ULTRASOUND ROOM.
29	SENSORED FLUSH VALVE WATER CLOSET, SEE MECH & ELEC DWGS.
30	WALL GUARD, WALL BASE, & WALL COVERING TO MATCH EXISTING.

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NO.	REVISION	DATE

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KEYPLAN:

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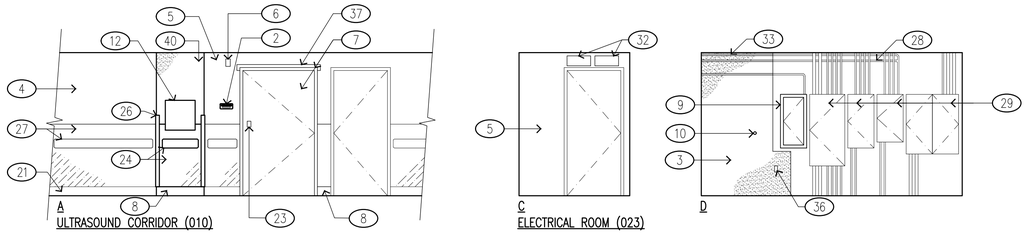
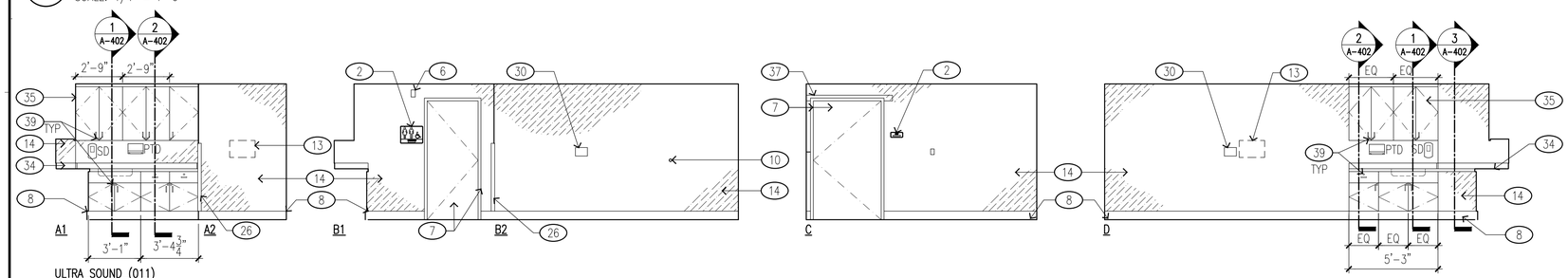
BUILDING: -

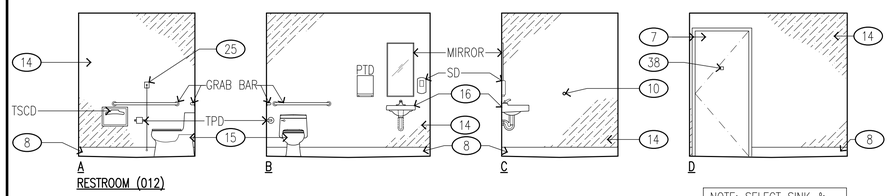
DRAWING	
PROJECT NO.	19-16.2
DRAWN BY:	-
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	REPAIR PLANS - ULTRASOUND
NUMBER:	A-122



1 PARTIAL INTERIOR ELEVATIONS – CORRIDOR & ELECTRICAL ROOM

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





NOTE: SELECT SINK & TOILET ACCESSORIES ARE OFOI, SEE SHEET A-002

2 INTERIOR ELEVATIONS – ULTRA SOUND

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

KEYNOTES (THIS SHEET)

KEYNOTE NO.	
1	EXST DOOR & FRAME.
2	SIGNAGE AS SCHED, TYP.
3	GYP BD WALL, PRIME & PAINT. PT-1 PT-2
4	EXST GYP BD WALL/COLUMN, PRIME & PAINT. PT-1
5	EXST CONC WALL PRIME & PAINT. PT-2
6	NURSE CALL LIGHT.
7	WD DOOR & MET FRAME, MATCH EXST FINISH. PL-2 PT-4 PT-5
8	WALL BASE AS SCHED. RB-1 RB-2 RB-3
9	NEW ELEC PANEL, SEE ELEC DWGS
10	WALL STOP.
11	EXST WDW, TYP.
12	RECESSED MED GAS SHUT OFF VALVE HOUSING & PIPES, SEE MECH DWGS.
13	RECESSED MED GAS OUTLET FOR OXYGEN & VACUUM, SEE MECH DWGS.
14	WALL COVERING. WC-1 WC-2 WC-3
15	ACCESSIBLE WATER CLOSET, SEE MECH & ELEC DWGS.
16	ACCESSIBLE LAVATORY, SEE MECH & ELEC DWGS.
17	SOFFIT, ALIGN W/EXST. PRIME & PAINT TO MATCH EXST. PT-1
18	EXST PAPER TOWEL DISPENSER.
19	EXST SOAP DISPENSER.
20	EXST LAVATORY.
21	EXST WALL BASE.
22	REINSTALL NURSE CALL LIGHT, SEE ELEC DWGS.
23	CARD READER ON DOOR W/HDWE, SEE ELEC DWGS & SPECIFICATIONS.
24	WALL GUARD & WALL COVERING, MATCH EXST FINISH. WC-3
25	NURSE CALL PULL CORD.
26	CORNER GUARD, MATCH EXST FINISH. CG-1 CG-1
27	REINSTALL WALL GUARD & WALL COVERING.
28	EXST CONDUIT, TYP.
29	EXST ELEC PANEL, TYP.
30	NURSE CALL & CODE BLUE, SEE ELEC DWGS.
31	EXST DIVIDER PANEL TO REMAIN.
32	REINSTALL ELEC BOXES, SEE ELEC DWGS.
33	RECONNECT CONDUIT & WIRING, SEE ELEC DWGS. FIRESTOP PENETRATIONS AS REQUIRED. QC-1
34	QUARTZ COUNTERTOP W/ INTEGRAL BACKSPLASH, & SIDESPLASH.
35	BASE & WALL MOUNTED CABINETS W/ PVC EDGE BANDING. PL-1 TR-2
36	REINSTALL RECEPTACLE, SEE ELEC DWGS.
37	ANGLED WALL HEADER. PRIME & PAINT. PT-4 PT-5 SEE STRUCT DWGS.
38	ROBE HOOK.
39	CABINET & DRAWER LOCK.
40	FURRED WALL, MATCH EXST FINISH. PT-2 WC-3 RB-3 TR-2

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BUILDING: –

DRAWING		
	PROJECT NO.	19-16.2
	DRAWN BY:	–
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	INTERIOR ELEVATIONS LABORATORY & ULTRASOUND
	NUMBER:	A-201

DOOR SCHEDULE

OPENING MARK	ROOM NO	ROOM NAME	DR TYPE	FR TYPE	DOOR SIZE W	DOOR SIZE H	DOOR SIZE THK (IN)	CONSTRUCTION/FINISH MAT (NOTE 1)	CONSTRUCTION/FINISH GLAZ/LVR (NOTE 2)	CONSTRUCTION/FINISH FRAME (NOTE 3)	CONSTRUCTION/FINISH FINISH (NOTE 4)	FIRE RATING (MIN)	HDWR GROUP (NOTE 5)	DOOR DETAILS (SHEET A-400) HEAD	JAMB	THRESH	LOUVER	REMARKS
6	011	ULTRASOUND	A	B	4'-0"	7'-0"	1 3/4"	SCWD	–	MET	PLAM	45	1	3	6	8	–	CARD READER
7	012	RESTROOM	A	A	3'-0"	7'-0"	1 3/4"	SCWD	–	MET	PLAM	–	4	2	2	7	–	KICK PLATE

NOTES:

1. SIZES INDICATED ARE FOR DESIGN REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS TO DETERMINE ACTUAL SIZES TO BE ORDERED. CONFIRM FINAL SIZES W/ARCHITECT BEFORE ORDERING.
2. PROVIDE ADAAG COMPLIANT HARDWARE ON ALL DOORS. OPERATING DEVICES ON DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP W/ ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.
3. REFER TO INTERIOR ELEVATIONS FOR DOOR TYPE CONFIGURATIONS.
4. PLASTIC LAMINATE FINISH SHALL BE FACTORY APPLIED.

ABBREVIATIONS

--	NONE OR NOT APPLICABLE	W	DOOR WIDTH	FRAME	DOOR FRAME (SEE DOOR NOTE 3)
DR NO	DOOR NUMBER. SEE FLOOR PLAN SHEETS A-120 & 122	H	DOOR HEIGHT	HDWE	HARDWARE "GROUP NO." (SEE DOOR NOTE 4)
TYPE	SEE DOOR TYPES SCHEDULE	THK	DOOR PANEL THICKNESS	EXST	EXISTING (SEE REMARKS FOR WORK)
		MAT	MATERIAL (SEE DOOR NOTE 1)		
		GLZ	GLAZING TYPE (SEE DOOR NOTE 2)		

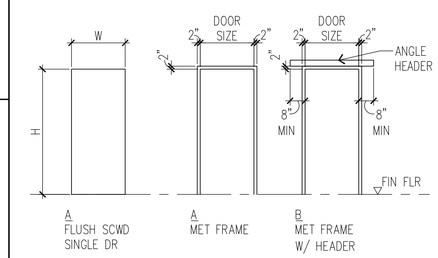
DOOR NOTES:

1. DOOR CONSTRUCTION
   - HM HOLLOW METAL
   - SCWD SOLID CORE WOOD
2. GLAZING CONSTRUCTION
   - -- NONE/ NOT APPLICABLE
3. FRAME CONSTRUCTION
   - MET METAL
4. FINISHES
   - PLAM PLASTIC LAMINATE
   - PT PAINTED
5. HDWR GROUP NO. (SEE SPECIFICATIONS)
6. SEE PRODUCT DATA PACKAGE FOR DOOR & FRAME DETAILS
7. DOOR HDWR SHALL COMPLY W/ ADAAG 404.2.7
8. DOOR CLOSERS SHALL COMPLY W/ ADAAG 404.2.8 & 404.2.9

IECC 2015 NOTE:

NO EXTERIOR WORK, ONLY EXTERIOR WORK ARE REPLACING LOUVERS AND INFILLING A FENESTRATION W/ GYP BD & DEFS.

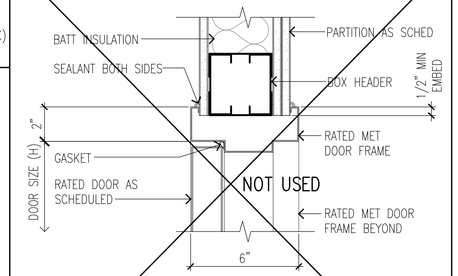
DOOR TYPES & FRAME TYPES



A FLUSH SCWD SINGLE DR

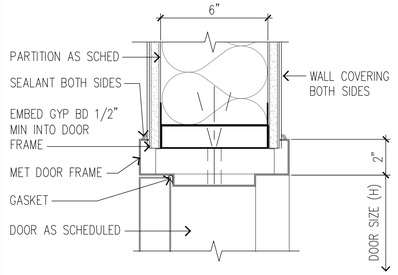
A MET FRAME

B MET FRAME W/ HEADER



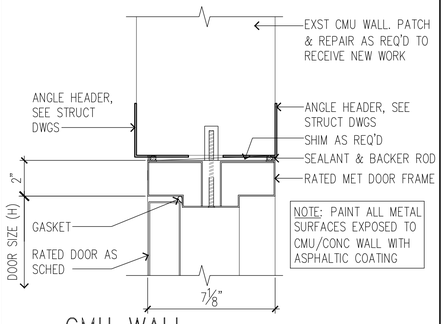
1 1-HOUR FIRE RATED WALL HEAD DETAIL

SCALE: 3"=1'-0" GA FILE NO. WP 1021



2 HEAD DETAIL (JAMB SIM)

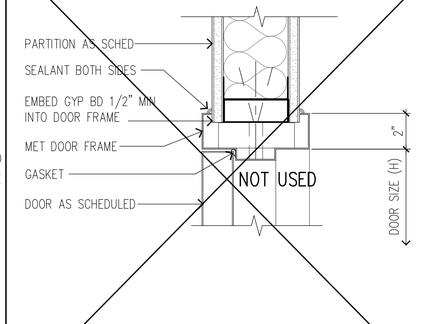
SCALE: 3"=1'-0"



3 CMU WALL HEAD DETAIL

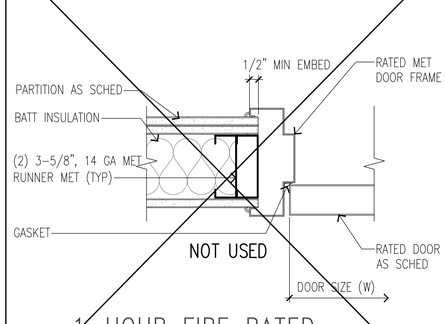
SCALE: 3" = 1'-0"

SCALE: 3" = 1'-0"



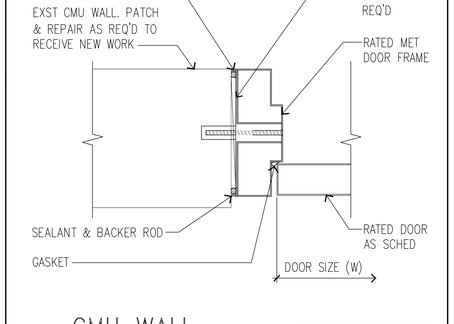
4 HEAD DETAIL (JAMB SIM)

SCALE: 3" = 1'-0"



5 1-HOUR FIRE RATED WALL JAMB DETAIL

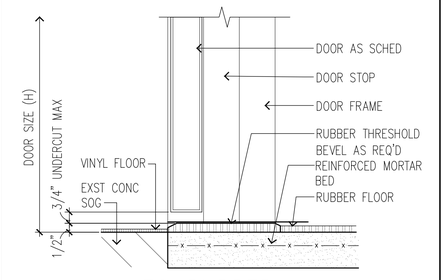
SCALE: 3" = 1'-0" GA FILE NO. WP 1021



6 CMU WALL JAMB DETAIL

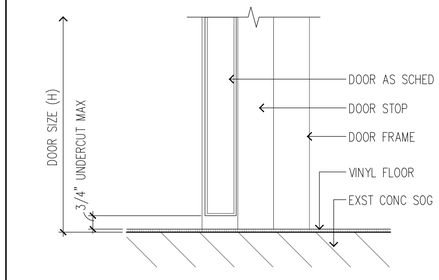
SCALE: 3" = 1'-0"

NOTE: PAINT ALL METAL SURFACES EXPOSED TO CMU/CONC WALL WITH ASPHALTIC COATING



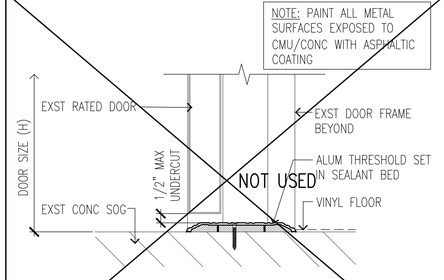
7 VINYL TO RUBBER THRESHOLD DETAIL

SCALE: 3" = 1'-0"



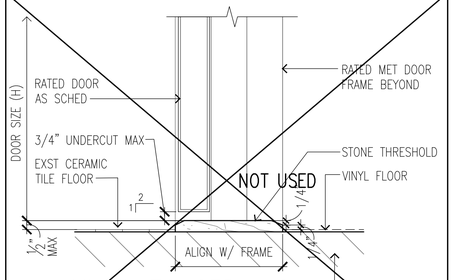
8 VINYL TO VINYL THRESHOLD DETAIL

SCALE: 3" = 1'-0"



9 CONC TO VINYL THRESHOLD DETAIL

SCALE: 3" = 1'-0" UL DESIGN 419



10 VINYL TO CERAMIC THRESHOLD DETAIL

SCALE: 3" = 1'-0"

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750

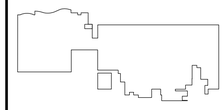
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
340 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:



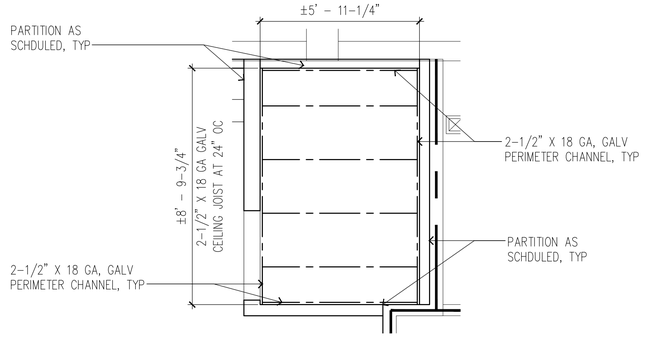
FRED K. ERSKINE LICENSED PROFESSIONAL ARCHITECT No. 10192 HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

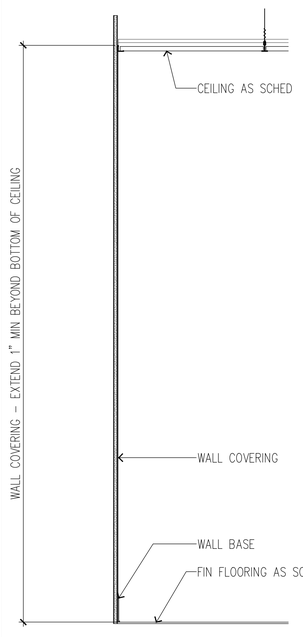
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION, (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 16-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).

BUILDING	-	
PROJECT NO.	19-16.2	
DRAWING DRAWN BY:	-	
DRAWING DATE:	FEBRUARY 2022	
DRAWING SCALE:	AS SHOWN	
DRAWING TITLE:	DOOR & LOUVER SCHEDULE, TYPES, & DETAILS	
DRAWING NUMBER:	A-400	



2 RESTROOM CEILING FRAMING PLAN

SCALE: 3/8" = 1'-0"

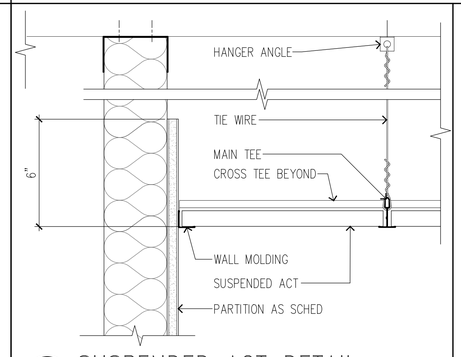


4 WALL COVERING DETAIL, TYP

SCALE: 1" = 1'-0"

0 1" 2"

SCALE: 1" = 1'-0"

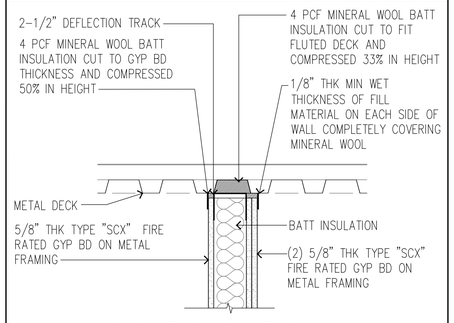


6 SUSPENDED ACT DETAIL

SCALE: 3" = 1'-0"

0 3" 6" 9" 1'

SCALE: 3" = 1'-0"



FIRE RATED PARTITION DETAIL AT METAL DECK, TYP

8

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

UL NO. HWD-D-0420

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750

ADDRESS

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NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
340 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

FRED K. ERSKINE
LICENSED PROFESSIONAL ARCHITECT
No. 10192
HAWAII, U.S.A.

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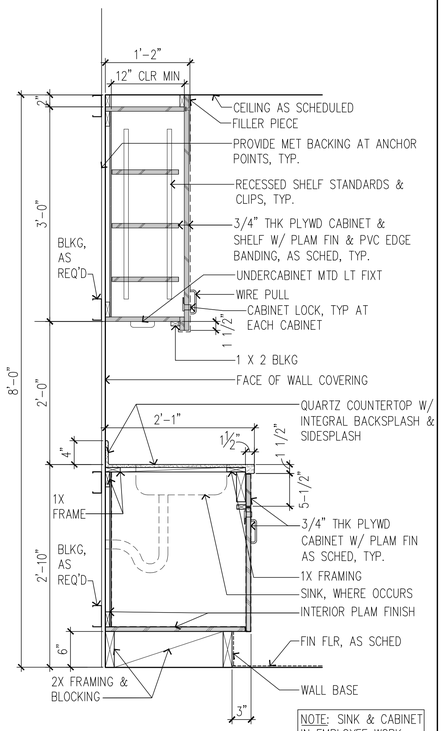
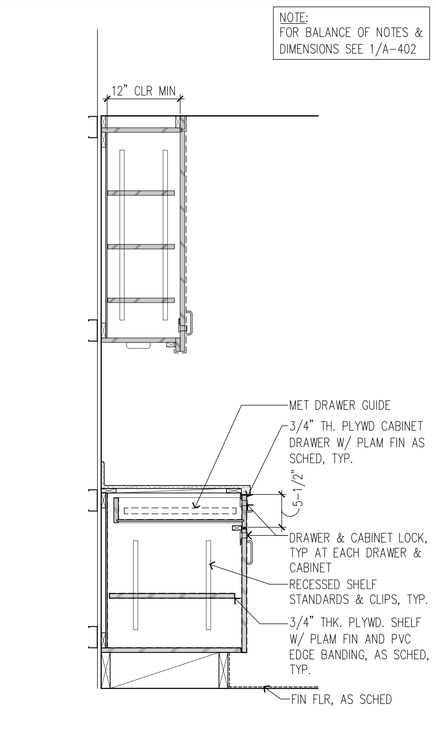
BUILDING: -

DRAWING:

PROJECT NO.	19-16.2
DRAWN BY:	-
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	CEILING DETAILS
NUMBER:	A-401



1 CABINET DETAIL
SCALE: 1" = 1'-0"



2 CABINET DETAIL
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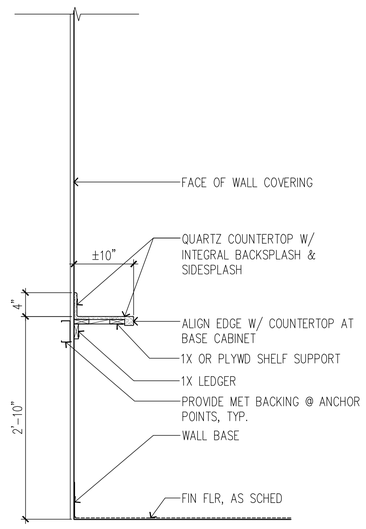
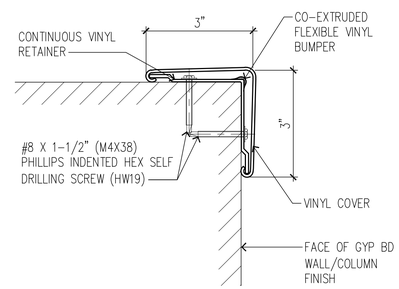
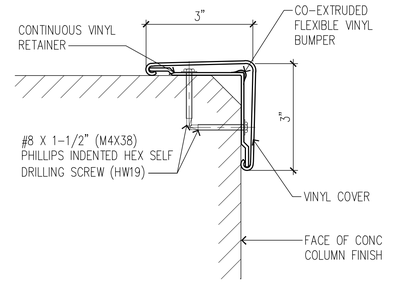


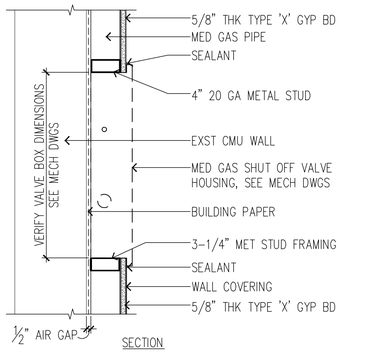
3 COUNTERTOP DETAIL AT CHASE WALL
SCALE: 1" = 1'-0"



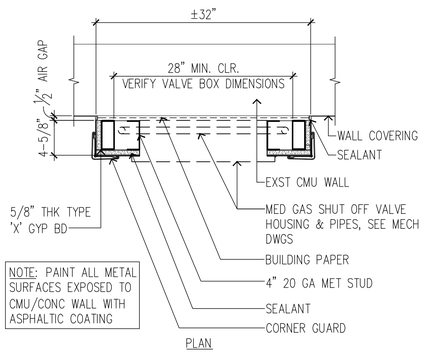
4 CORNER GUARD DETAIL
SCALE: 6" = 1'-0"
0
2"
4"
SCALE: 6" = 1'-0"



5 CORNER GUARD DETAIL
SCALE: 6" = 1'-0"



SECTION



PLAN

7 MED GAS VALVE DETAIL
SCALE: 1-1/2" = 1'-0"
0
6"
1'
2'
SCALE: 1 1/2" = 1'-0"

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ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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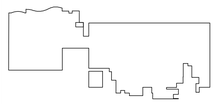
KEYPLAN:



FRED K. ERSKINE
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No. 10192
HAWAII, U.S.A.

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BUILDING: –

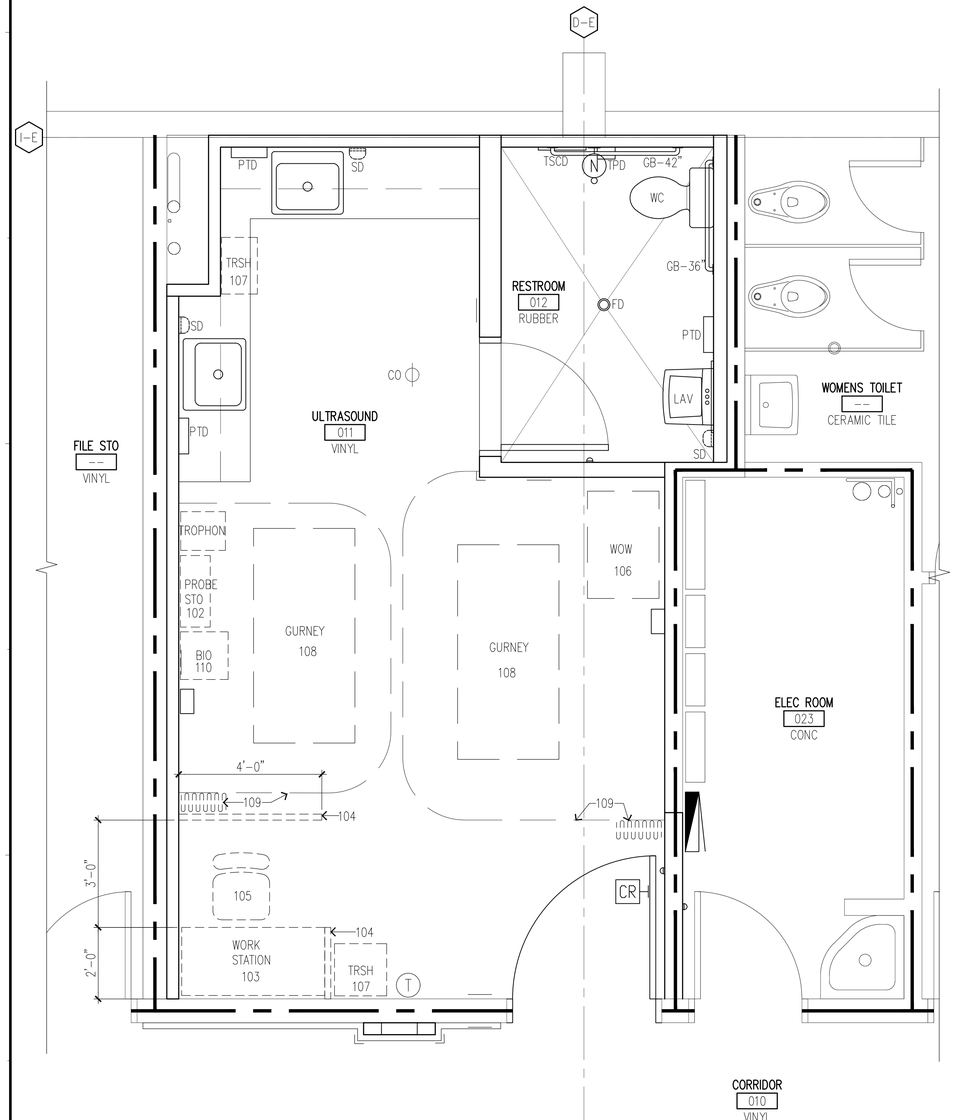
PROJECT NO.	19-16.2
DRAWN BY:	–
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	CASEWORK & MISC DETAILS
NUMBER:	A-402

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. SEE SHEET T-001 FOR ADDITIONAL NOTES AND REQUIREMENTS.
3. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
4. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.
5. ALL WORK SHALL BE PERFORMED IN A MANNER THAT PROTECTS BUILDING OCCUPANTS, VISITORS, AND OTHER PROFESSIONS FROM EMISSION, NOISE, DUST, AND OTHER SOURCES OF INTERFERENCE. THE CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION DURING ALL 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.
6. CONTRACTOR SHALL PREPARE & PAINT ALL NEW WORK & ALL OTHER AREAS DAMAGED AS A RESULT OF THE WORK, UON.
7. WHERE APPLICABLE, THE CONTRACTOR SHALL FINISH ALL NEW SURFACE(S) TO MATCH EXISTING ADJACENT SURFACE(S).
8. SEE STRUCTURAL, MECHANICAL, FIRE PROTECTION, & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
9. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS THAT WILL BE AFFECTED BY THE WORK.

LEGEND

- 1-HOUR FIRE RATED WALL
- SMOKE RATED WALL
- CR CARD READER
- N NURSE CALL PULL CORD
- CO CLEAN OUT
- FD FLOOR DRAIN
- ELECTRICAL PANEL
- CURTAIN



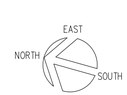
1 EQUIPMENT PLAN - ULTRASOUND

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

0 1' 2' 4'

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

NOTE: SELECT SINK & TOILET ACCESSORIES ARE OFOI, SEE SHEET A-002



EQUIPMENT SCHEDULE

FFE NO.	DESCRIPTION	MANF	MODEL NO.	EXST LOCATION		NEW LOCATION		UTILITIES					PROVIDED BY			REMARKS
				ROOM NO.	NAME	ROOM NO.	NAME	ELEC	GAS	HVAC	IT	TELE	CFCI	OFCI	OFOI	
ULTRASOUND																
101	TROPHON	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND	X			X				X	
102	PROBE STORAGE	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND	X			X				X	
103	WORK STATION DESK	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND	X			X	X			X	
104	WORKSTATION WALL PANELS	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND								X	
105	WORK STATION CHAIR	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND								X	
106	WORKSTATION ON WHEELS	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND	X			X	X			X	
107	TRASH	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND								X	
108	GURNEY	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND	X	X		X				X	
109	CURTAIN & TRACK	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND								X	
110	BIO WASTE BIN	N/A	N/A	21	ULTRASOUND	11	NEW ULTRASOUND								X	

FINISH SCHEDULE

KEY NO.	LOCATION	DESCRIPTION	MANUFACTURER	MODEL/COLOR/STYLE/PATTERN/FINISH INFORMATION	ROOM	REMARKS
RF-1	FLOOR	RUBBER FLOORING	NORA	NORAPLAN VALUA,/6713/BIRCH/ 3.0 MM	ULTRASOUND RESTROOM	ARTICLES 173A & 175A
VF-1	FLOOR	VINYL FLOORING	ARMSTRONG	NATURAL CREATIONS ABBORART,/TP072/FRUITWOOD BUCKWHEAT	ULTRASOUND, LABORATORY	RUN LENGTH OF ROOM
VF-2	FLOOR	VINYL FLOORING	ARMSTRONG	NATURAL CREATIONS ABBORART/TP071/FRUITWOOD NATURAL	CORRIDOR	6" X" 48 "
RB-1	WALL	RUBBER WALL BASE	ARMSTRONG	01 MALT	ULTRASOUND, ULTRASOUND RESTROOM	6"
RB-3	WALL	RUBBER WALL BASE	ARMSTRONG	01 MALT	CORRIDOR	6"
WC-1	WALL	WALL COVERING	INPRO	405 PALLADIUM/0238 FEATHER	ULTRASOUND RESTROOM	4' X 8', .040" THICK, INSTALL VERTICAL, BUTT JOINT, PAINT ABOVE TO CEILING
WC-2	WALL	WALL COVERING	INPRO	405 PALLADIUM/0238 FEATHER	ULTRASOUND, LABORATORY	4' X 8', .040" THICK, INSTALL VERTICAL, BUTT JOINT, PAINT ABOVE TO CEILING
WC-3	WALL	WALL COVERING	INPRO	405 PALLADIUM/0187 CRYSTAL JADE	CORRIDOR	4' X 4', 0.04" THICK, BUTT JOINT, TRIM AT TOP, PAINT ABOVE TO CEILING
TR-1	WALL	TRIM FOR WALL COVERING	INPRO	#407/MATCH WALL COVERING FINISH	CORRIDOR	8' LENGTH, MATCH WALL COVERING COLOR
TR-2	CASEWORK	PVC EDGE TRIM	WILSONART	D327-60 PEPPERDUST	ULTRASOUND CASEWORK	3 MM, AT ALL EXPOSED CABINET & SHELF EDGES
TR-3	DOOR	PVC EDGE TRIM	WILSONART	7909/FUSION MAPLE	ALL WOOD DOORS	3 MM, AT ALL EXPOSED DOOR EDGES
PT-1	WALL, CEILING	INTERIOR PAINT - FIELD	BENJAMIN MOORE	OC-45 SWISS COFFEE/SATIN	LABORATORY, ULTRASOUND RESTROOM	STANDARD WHITE, MATCH WC-1
PT-2	WALL, CEILING	INTERIOR PAINT - FIELD	BENJAMIN MOORE	MATCH EXISTING	ELECTRICAL ROOM, NUCLEAR MEDICINE, HOLDING, DECAY, RESTROOM, WOMENS TOILET	
PT-3	WALL, CEILING	INTERIOR PAINT - FIELD	BENJAMIN MOORE	OC-45 SWISS COFFEE/SATIN	CORRIDOR	
PT-4	WALL	INTERIOR PAINT - TRIM	BENJAMIN MOORE	OC-45 SWISS COFFEE/SEMI-GLOSS	CORRIDOR DOOR FRAME	
PT-5	WALL	INTERIOR PAINT - TRIM	BENJAMIN MOORE	OC-45 SWISS COFFEE/SEMI-GLOSS	ULTRASOUND & LABORATORY DOOR FRAME	
CG-1	WALL	CORNER GUARD	INPRO	HI IMPACT/0238 FEATHER/150BN	ULTRASOUND, LABORATORY	BULLNOSE RIGID VINYL RETAINER (3" X 3" X 4.5"H)
CG-2	WALL	CORNER GUARD	INPRO	HI IMPACT/0187 CRYSTAL JADE/150BN	CORRIDOR	BULLNOSE RIGID VINYL RETAINER (3" X 3" X 4.5"H)
PL-1	CASEWORK	PLASTIC LAMINATE	WILSONART	GENERAL PURPOSE (HGS) TYPE 107/ D327-60 PEPPERDUST/ PREMIUM	ULTRASOUND CABINETS	ALL CASEWORK EXTERIOR SURFACES
PL-2	DOOR	PLASTIC LAMINATE	WILSONART	7909/FUSION MAPLE	ALL WOOD DOORS	LAMINATE EDGES OF DOOR, MATCH FINISH
QC-1	CASEWORK	QUARTZ COUNTERTOP	SILESTONE	14/BLANCO MAPLE/TROPICAL FOREST/POLISHED	ULTRASOUND COUNTERTOP & BACK/SIDE SPLASHES	
ACT-1	CEILING	ACOUSTICAL CEILING TILE	USG	WHITE/FISSURED	ALL DOORS	GYPSUM LAY-IN CEILING PANEL, 2X2
GYP-1	CEILING	GYPSUM BOARD CEILING	USG		LABORATORY, NUCLEAR MEDICINE, ULTRASOUND RESTROOM	GYPSUM SOFFIT BOARD W/ PAINTED FINISH

HAWAII HEALTH SYSTEMS CORPORATION
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ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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KEYPLAN:

FRED K. ERSKINE
LICENSED PROFESSIONAL ARCHITECT
No. 10192
HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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).

BUILDING: -

DRAWING	
PROJECT NO.	19-16.2
DRAWN BY:	-
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	EQUIPMENT PLAN, EQUIPMENT & FINISH SCHED - ULTRASOUND
NUMBER:	A-500

STRUCTURAL GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE AS AMENDED BY THE COUNTY OF HAWAII.

2. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT SPECIFY THE MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEANS NECESSARY TO PROTECT THE STRUCTURE, AND ANY ADJACENT NEW OR EXISTING STRUCTURES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING AND SHORING FOR LOADS ACTING ON THE STRUCTURE DURING CONSTRUCTION. OBSERVATION BY THE STRUCTURAL ENGINEER DURING CONSTRUCTION WILL NOT INCLUDE INSPECTION OF AFOREMENTIONED BRACING AND SHORING.

3. EXISTING CONDITIONS ARE SHOWN TO THE BEST OF OUR KNOWLEDGE. DISCREPANCIES SHALL PROMPTLY BE REPORTED TO THE ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

4. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES, WHICH MAY BE AFFECTED BY ITS WORK. INTERFERENCES WITH THE STRUCTURE SHALL PROMPTLY BE REPORTED TO THE ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND VERIFYING ALL DIMENSIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL STRUCTURAL DISCREPANCIES, AND THESE DISCREPANCIES SHALL BE RESOLVED PRIOR TO PROCEEDING WITH THE WORK.

6. SHOULD A DISCREPANCY OCCUR ON THE DRAWINGS BETWEEN ANY PROJECT SPECIAL NOTES/SPECIAL DETAILS, AND THE TYPICAL SPECS/TYPICAL DETAILS, SAID SPECIAL NOTES/SPECIAL DETAILS SHALL TAKE PRECEDENCE. DETAILS NOTED AS TYPICAL SHALL APPLY IN ALL CONDITIONS UNLESS SPECIFICALLY SHOWN OR NOTED.

7. SEE ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS FOR DIMENSIONS AND LOCATIONS OF OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS.

8. PENETRATIONS AND OPENINGS WITH ANY DIMENSION GREATER THAN 2" THAT ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS ARE PROHIBITED UNLESS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. NO PENETRATION SHALL BE ALLOWED THROUGH ANY STRUCTURAL MEMBER WITHOUT THE APPROVAL OF THE ENGINEER.

9. ANY CONSTRUCTION MATERIAL THAT IS TEMPORARILY PLACED ON FLOOR AND/OR ROOF FRAMING SHALL BE DISTRIBUTED OVER THE FRAMING SYSTEM SUCH THAT THE CONSTRUCTION LOAD DOES NOT EXCEED THE LOAD THAT THE FRAMING SYSTEM WAS DESIGNED FOR.

10. DESIGN CRITERIA –

A. DESIGN DEAD LOADS (ADDITIONAL TO SELF WEIGHT)	
1. FLOOR	= 100 PSF
2. MECHANICAL & ELECTRICAL	= 5 PSF
B. WIND	
BASIC WIND SPEED	150 MPH
EXPOSURE CATEGORY	C
PRIMARY FRAME DESIGN METHOD	METHOD 2 (ANALYTICAL)
BUILDING CLASSIFICATION	ENCLOSED
C. SEISMIC	
OCCUPANCY CATEGORY	III
SITE CLASS	D
Sds	1.848 g
Sd1	1.19 g
SEISMIC DESIGN CATEGORY	D

11. THE GENERAL CONTRACTOR AND ITS SUBCONTRACTORS MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS.

FOUNDATION NOTES

1. THE FOUNDATION DESIGN WAS BASED ON THE ASSUMPTIONS PRESENTED BELOW IN THE ABSENCE OF A SOILS REPORT:

ALLOWABLE SOIL BEARING PRESSURE	= 1500 PSF
ALLOWABLE PASSIVE EARTH RESISTANCE	= 150 PCF
FRICTIONAL RESISTANCE	= 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

1. ALL CONCRETE UNLESS OTHERWISE NOTED SHALL BE REGULAR WEIGHT HARD ROCK TYPE (150#/CU.FT.).

2. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) WITH MODIFICATIONS AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.

3. SCHEDULE OF STRUCTURAL CONCRETE 28–DAY STRENGTH AND TYPES:

LOCATION OF STRUCTURE	STRENGTH
SLAB ON GRADE	4000 PSI
ALL OTHER CONCRETE	3000 PSI

4. PORTLAND CEMENT SHALL CONFORM TO ASTM C–150 TYPE II.

5. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C–33 AND PROJECT SPECIFICATIONS.

6. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR HIS REVIEW 2 WEEKS PRIOR TO POUR.

7. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C–94.

8. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI STANDARD 301 AND PROJECT SPECIFICATIONS.

9. UNLESS OTHERWISE NOTED ON THE PLANS, MINIMUM CLEAR COVERAGE OF NEW CONCRETE OVER OUTER REINFORCING BARS SHALL BE AS FOLLOWS:
   A. CONCRETE POURED DIRECTLY AGAINST EARTH.....3" CLEAR TO REINFORCING
   B. WALL FACES:
      EXPOSED TO EARTH WITH FORMED SURFACES OR EXPOSED TO WEATHER.....1–1/2" CLEAR FOR #5 BAR & SMALLER
      2" CLEAR FOR #6 BARS & LARGER
      INTERIOR FACES.....3/4 CLEAR
   C. BEAMS AND COLUMNS:
      NOT EXPOSED TO EARTH OR WEATHER.....1–1/2" CLEAR TO STIRRUPS & TIES
      FORMED AND EXPOSED TO EARTH OR WEATHER.....1 1/2" CLEAR TO STIRRUPS & TIES
      STRUCTURAL SLABS.....1" CLEAR AT TOP AND BOTTOM

10. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

11. PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, EQUIPMENT PADS, ETC., SHALL BE FORMED WITH 3/4" CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.

12. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.

13. CONDUIT OR PIPE SIZE (O.D.) THAT IS BURIED IN ANY CONCRETE SLABS SHALL NOT EXCEED 25 PERCENT OF SLAB THICKNESS AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING UNLESS SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF CONDUITS OR PIPES SHALL BE AVOIDED EXCEPT WHERE DETAILED OPENINGS ARE PROVIDED.

14. DO NOT USE CONCRETE ADMIXTURES CONTAINING CHLORIDE OR CHLORIDE SALTS.

15. ALL ROUGHENED SURFACES IN CONCRETE SHALL BE MADE WITH A MINIMUM AMPLITUDE OF 1/4"

REINFORCING STEEL NOTES

1. 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

1. 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
B. HILTI 'RE–500 SD'	ICC REPORT ESR–2322
C. DEWALT 'PURE 110+'	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.

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KEYPLAN:

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Exp. 04/30/22
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HAWAII, U.S.A.

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SIGNATURE

BUILDING: –

DRAWING		
	PROJECT NO.	19–16.2
	DRAWN BY:	JC
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	STUCTURAL NOTES
	NUMBER:	S-001

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE "AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATIONS AS NOTED BELOW:

   A. CHANNELS AND ANGLES: ASTM A36
   B. FLAT/BENT PLATES: ASTM A36
3. ANCHOR RODS SHALL CONFORM TO ASTM F-1554, GRADE 36 EXCEPT AS NOTED.
4. MACHINE BOLTS SHALL CONFORM TO ASTM A307, GRADE 36 EXCEPT AS NOTED.
5. BOLTS USED IN STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A325 OR A490 AS NOTED. BOLT HOLES IN STEEL SHALL BE 1/16" LARGER DIAMETER THAN NOMINAL SIZE OR BOLT USED, EXCEPT AS NOTED.
6. ALL JOINTS SHALL DEVELOP THE FULL STRENGTH (COMPLETE PENETRATION AISC PREQUALIFIED JOINTS) OF THE CONNECTING MEMBERS AND FULLY WELDED, UNLESS OTHERWISE SHOWN.
7. ALL MATERIAL SHALL BE SHOP PAINTED.

SPECIAL INSPECTION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SPECIAL INSPECTION OF PORTIONS OF THE WORK , AS REQUIRED BY THE BUILDING CODE OF THE COUNTY OF HAWAII, BE MADE AT THE APPROPRIATE TIME. THE CONTRACTOR SHALL GIVE TIMELY NOTICE OF WHEN AND WHERE INSPECTIONS ARE TO BE MADE AND PROVIDE ACCESS FOR THE INSPECTOR. THE CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE OWNER AND THE CONTRACTOR SHALL PAY FOR RE-INSPECTION.
2. THE FOLLOWING IS A SUMMARY OF THE SPECIAL INSPECTION REQUIREMENTS:

CONCRETE REINFORCING STEEL & FORMWORK	YES, PER IBC TABLE 1704.4
ANCHOR BOLTS (RODS) IN CONCRETE	YES, PER IBC TABLE 1704.4
CONCRETE POUR	NO PER IBC 1704.4.2.3, DESIGN BASED ON 2,500 PSI CONCRETE ALTHOUGH 3,000 PSI IS SPECIFIED FOR CONSTRUCTION
CONCRETE CYLINDER TEST	NO, SUPPLIER TO PROVIDE IN-HOUSE TEST RESULTS
PERIODIC SPECIAL CASES:	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.	NOT IN CONTRACT
BM.	BEAM	NO. OR #	NUMBER
B.O.F.	BOTTOM OF FOOTING	N.T.S.	NOT TO SCALE
BOT.	BOTTOM	O.C.	ON CENTER
C.I.P.	CAST-IN-PLACE	O.D.	OUTSIDE DIAMETER (DIMENSION)
CL.	CENTERLINE	O.F.	OUTSIDE FACE
CLR.	CLEAR(ANCE)	O.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.	CONSTRUCTION	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	S..G.	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	T & B	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.	HOOK	TYP.	TYPICAL
HORIZ.	HORIZONTAL	U.O.N.	UNLESS OTHERWISE NOTED
I.D.	INSIDE DIAMETER (DIMENSION)	VERT.	VERTICAL
INFO.	INFORMATION	W/	WITH
INT.	INTERIOR	WD.	WOOD
INTERM.	INTERMEDIATE	W.W.M.	WELDED WIRE MESH
JT.	JOINT	LLH.	LONG LEG HORIZONTAL
LLV.	LONG LEG VERTICAL		
LONG.	LONGITUDINAL		

NOTE:
NOT ALL ABBREVIATIONS ARE NECESSARILY USED

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NO.	REVISION	DATE

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KEYPLAN:

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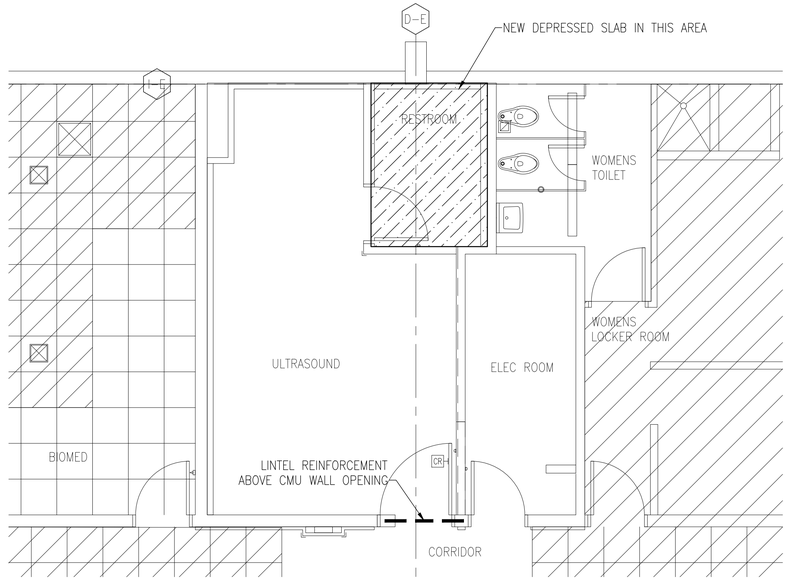
SIGNATURE

BUILDING: -

PROJECT NO.	19-16.2
DRAWN BY:	JC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	STUCTURAL NOTES AND ABBREVIATIONS
NUMBER:	S-002

DRAWING



A **CONC. REPAIR PLAN - ULTRA SOUND**

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

0 4 8'

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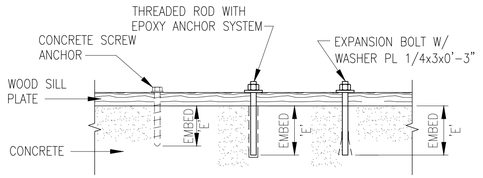
SIGNATURE

BUILDING: –

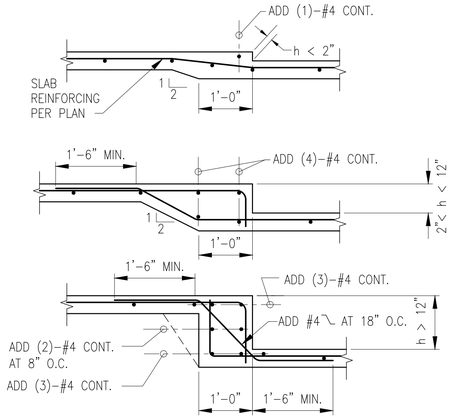
DRAWING		
PROJECT NO.		19-16.2
	DRAWN BY:	JC
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	STRUCTURAL FLOOR PLAN
	NUMBER:	S-101



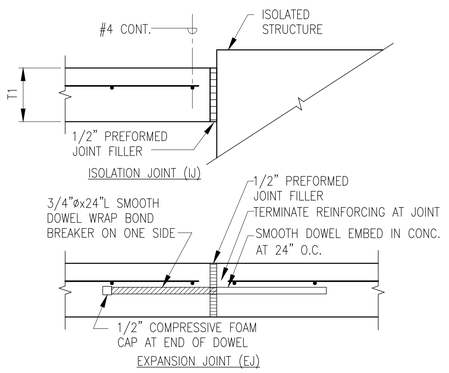
MINIMUM EMBEDMENT 'E' PER PLAN OR DETAIL IF NOT SHOWN, USE LONGEST EMBEDMENT LENGTH AS LISTED IN MANUFACTURER'S CATALOG.

1. CONCRETE SCREW ANCHOR SHALL BE SIMPSON TITAN HD, POWER FASTENER WEDGE BOLT OR APPROVED EQUIVALENT.
2. EPOXY ANCHOR SYSTEM SHALL BE SIMPSON ET EPOXY TIE SYSTEM, HILTI HIT HY-150, POWER FASTENER POWER FAST+ OR APPROVED EQUIVALENT
3. EXPANSION BOLT SHALL BE SIMPSON, HILTI QUIK-BOLT, OR POWER FASTENER POWER STUD OR APPROVED EQUIVALENT OR BETTER.
4. ALL ANCHORING SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER INSTRUCTION AND RECOMMENDATION.

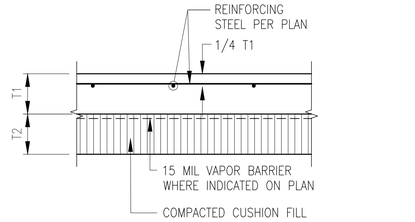
9 POST-INSTALLED ANCHOR BOLTS
NO SCALE



6 DEPRESSED SLAB DETAIL
NO SCALE



4 TYPICAL CONCRETE JOINTS
NO SCALE



NOTES:

1. SLAB-ON-GRADE THICKNESS (T1) AS PER PLAN.
2. CUSHION FILL THICKNESS (T2) AS PER PLAN. CUSHION FILL SHALL BE #3 FINE GRAVEL (ASTM NO. 67 GRAVEL)

1 SLAB-ON-GRADE DETAIL
NO SCALE

NOTES:

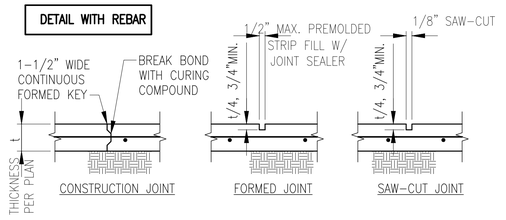
U.O.N. MINIMUM REQUIREMENTS SHALL BE:

1. CONCRETE SHALL BE CLASS "A". THICKNESS = 4" MIN.
2. AGGREGATE CUSHION FILL SHALL BE ASTM C33 NO. 67.
3. REINFORCING SHALL BE #3 BARS @ 16" O.C. BOTHWAYS

10 NEW CONC. TO EXIST. CONC.
NO SCALE

NOTE:
WIDTH OF TRENCH TO BE FIELD DETERMINED AS NECESSARY TO PROPERLY INSTALL PROPOSED CONDUIT(S) & CASING

7 CONC. SLAB PATCH DETAIL
NO SCALE



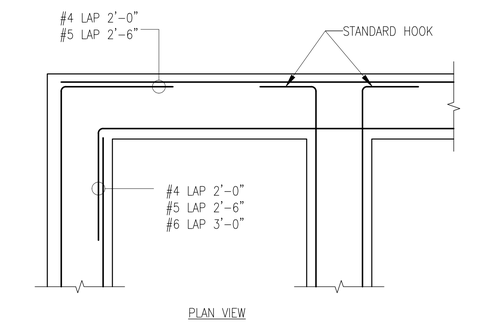
NOTES:

1. CONTROL JOINTS TO BE LOCATED AT COLUMN CENTER LINES AND A MAXIMUM OF 24 TIMES SLAB THICKNESS ie: (4" SLAB =8' O.C. 6" SLAB =12'-0" O.C.) REFER TO PLAN FOR LOCATIONS.
2. IF SAW-CUT CONTROL JOINT TO BE USED, SAW-CUT WITHIN 24 HOURS OF POUR.
3. CONSTRUCTION JOINT TO BE LOCATED AS PER NOTES #1 AND #2 UNLESS SPECIFICALLY INDICATED ON PLANS.

NOTES TO ENGINEER:

1. NOT APPLICABLE FOR EXTERIOR USE.
2. CHECK REDUCED SLAB THICKNESS FOR SHEAR TRANSFER WHERE APPLICABLE.
3. VERIFY REBAR TO CLEAR CONTROL JOINT.

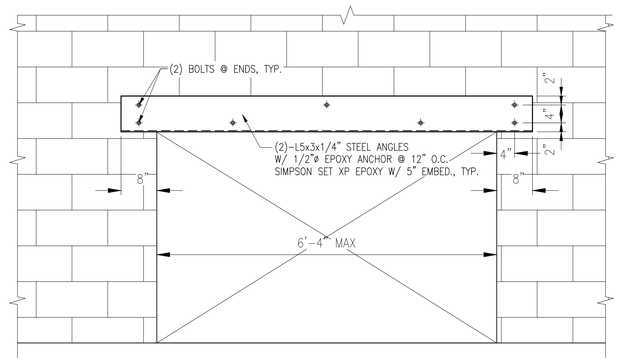
5 TYPICAL SLAB ON GRADE CONTROL JOINTS
NO SCALE

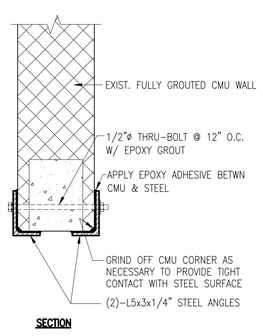


PLAN VIEW

2 TYP. FOOTING REINF. DETAIL
NO SCALE

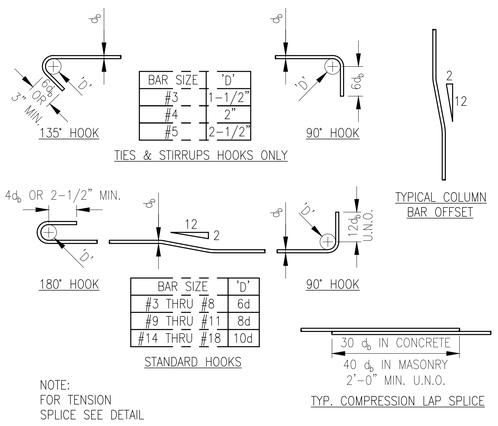
11 DEPRESSED SLAB TO EXIST SLAB
NO SCALE





SECTION

8 TYP. LINTEL FOR EXIST. CMU WALL DETAIL
NO SCALE



NOTE:
FOR TENSION
SPLICE SEE DETAIL

3 TYP. REINF. BENDING DETAIL
NO SCALE

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL
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ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
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(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

YEN WEN FANG
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Exp. 04/30/22
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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE

BUILDING: -

PROJECT NO.	19-16.2
DRAWN BY:	dC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
DRAWING TITLE:	DETAILS
NUMBER:	S-201

LEGEND & ABBREVIATIONS

SYMBOLS	ABBREVIATIONS	DESCRIPTIONS	SYMBOLS	ABBREVIATIONS	DESCRIPTIONS
	ABV	ABOVE		IN WG	INCHES WATER GAUGE
	AFF	ABOVE FINISHED FLOOR		LBS	POUNDS
	AP	ACCESS PANEL		LAV	LAVATORY
	AHU	AIR HANDLING UNIT		MAX	MAXIMUM
	ARCH	ARCHITECTURAL		MECH	MECHANICAL
BD		BACKDRAFT DAMPER		o	MEDICAL OXYGEN
		BALL VALVE		v	MEDICAL VACUUM
	CLG	CEILING		MIN	MINIMUM
		CHECK VALVE		MS	MOP SINK
	CHWR	CHILLED WATER RETURN	M		MOTORIZED DAMPER
	CHWS	CHILLED WATER SUPPLY			NEW WORK
	CLR	CLEARANCE		NO	NUMBER
	CO	CLEAN OUT		OC	ON CENTER
	CONC	CONCRETE		ODP	OPEN DRIP PROOF
	CONN	CONNECTION		OA	OUTSIDE AIR
CD		CONCEALED OPERATOR VOLUME DAMPER	VD	OBVD	OPPOSED BLADE VOLUME DAMPER
	CONT	CONTINUATION		OFOI	OWNER FURNISH OWNER INSTALL
	CW	COLD WATER		OL	OVERLOAD
	CC	COOLING COIL	ø	PH	PHASE
	CFM	CUBIC FEET PER MINUTE		POC	POINT OF CONNECTION
CD	CD	CONDENSATE DRAIN	P		PRESSURE SENSOR
	dB	DECIBELS		RHC	REHEATING COIL
ø	DIA	DIAMETER		RA	RETURN AIR
	DN	DOWN		RAR	RETURN AIR REGISTER
	DWGS	DRAWINGS		S	SANITARY
SD		DUCT SMOKE DETECTOR		SK	SINK
	EXH	EXHAUST		S.S.	STAINLESS STEEL
	EA	EXHAUST AIR		STRUCT	STRUCTURAL
	EAR	EXHAUST AIR REGISTER		SA	SUPPLY AIR
	EF	EXHAUST FAN		SAD	SUPPLY AIR DIFFUSER
	ELEC	ELECTRICAL		SAR	SUPPLY AIR REGISTER
	EXST	EXISTING	SP	SP	DUCT MOUNTED STATIC PRESSURE SENSOR
	FCU	FAN COIL UNIT		TEMP	TEMPERATURE
	FIN FLR	FINISHED FLOOR	TE		TEMPERATURE SENSOR
		FIRE DAMPER (HORIZONTAL)	T	T-STAT	THERMOSTAT
		FIRE DAMPER (VERTICAL)		THK	THICK
	FC	FLEXIBLE CONNECTION			TO BE REMOVED OR DEMOLISHED
		FLEXIBLE DUCT		TA	TRANSFER AIR
	FCO	FLOOR CLEAN OUT		TYP	TYPICAL
	FD	FLOOR DRAIN			UNION
G		GRAVITY DAMPER		V	VOLTS
	GRND	GROUND		VAV	VARIABLE AIR VOLUME
	HC	HEATING COIL		VFD	VARIABLE FREQUENCY DRIVE
	HZ	HERTZ		WCO	WALL CLEAN OUT
	HP	HORSE POWER		WC	WATER CLOSET
	HW	HOT WATER		W	WATTS
	IN	INCHES			WYE STRAINER

HAWAI'I COUNTY ENERGY CODE

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

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECT DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE COMMERCIAL PROVISIONS FOR MECHANICAL SYSTEMS (C403, C404 & C405) OF THE 2015 IECC WITH AMENDMENTS PER HAR 3-181.1:

COMPLIANCE METHOD

- [X] 2015 IECC as amended. Mandatory & Prescriptive
- [ ] 2015 IECC as amended. Mandatory & Total Building Performance
- [X] ASHRAE Standard 90.1-2013. Mandatory & Prescriptive
- [ ] ASHRAE Standard 90.1-2013. Mandatory & Energy Cost Budget

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

NOTES

SIGNATURE: _____

DATE: FEBRUARY 11 2022

NAME: CAREY S. NAKAGAWA

TITLE: VICE-PRESIDENT

LICENSE NO.: 16319-M

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

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KEYPLAN:

CAREY S. NAKAGAWA
LICENSED PROFESSIONAL ENGINEER
No. 16319-M
HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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).

BUILDING: -

PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	LEGEND ABBREVIATIONS NOTES
NUMBER:	**M-001**

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.

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).

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ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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KEYPLAN:

CAREY S. NAKAGAWA
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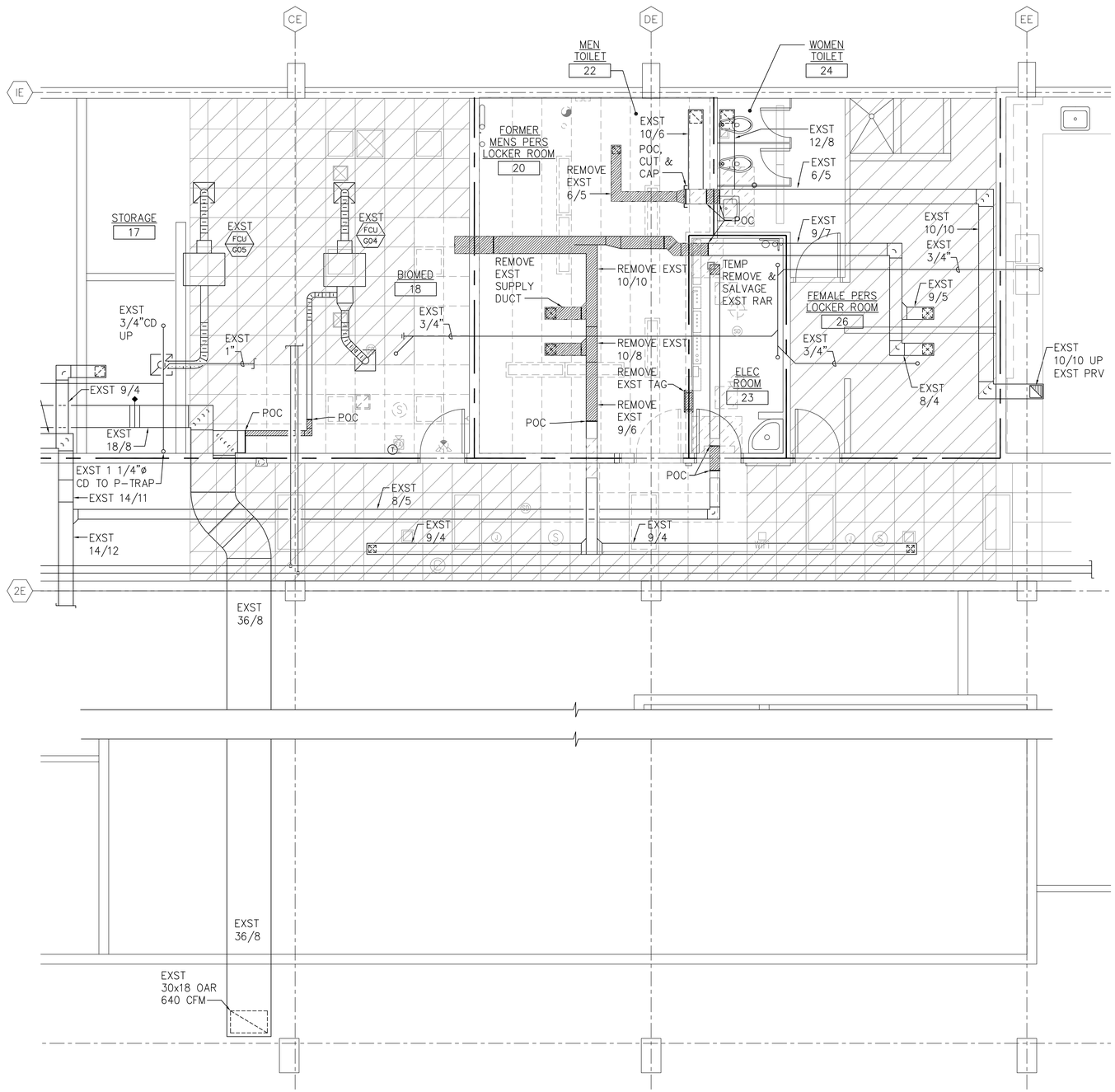
HAWAII, U.S.A.
THIS LICENSE EXPIRES APRIL 30, 2022
SIGNATURE

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).

BUILDING: –

PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	MECHANICAL NOTES
NUMBER:	**M-002**



MENS LOCKER DEMOLITION MECHANICAL PLAN

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

LEGEND:

1 HOUR RATED WALL (EXST)

GRAPHIC SCALE

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

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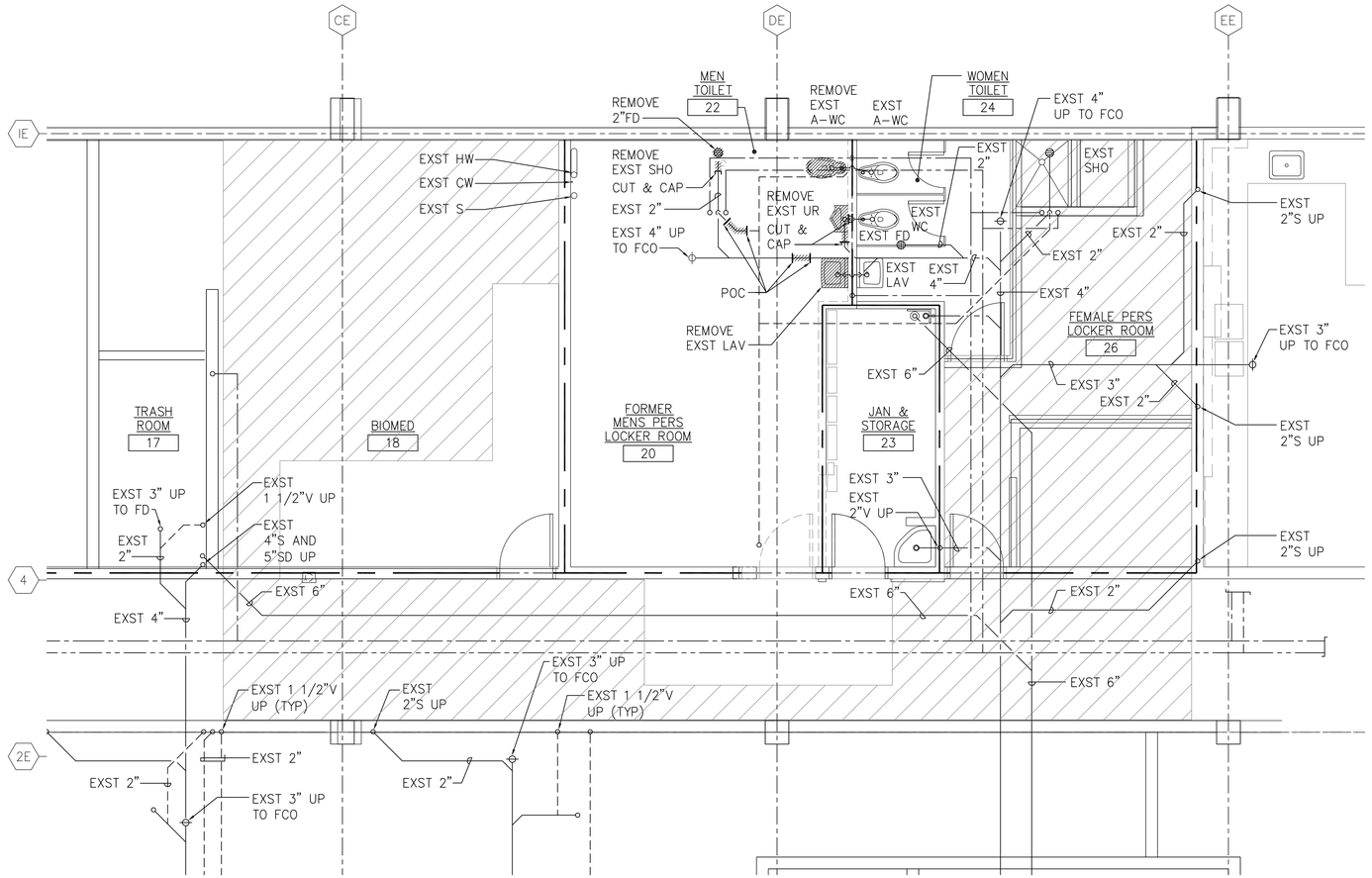
BUILDING: -

DRAWING	
PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	MENS LOCKER DEMOLITION MECHANICAL PLAN
NUMBER:	M-101



MENS LOCKER DEMOLITION PLUMBING PLAN

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

LEGEND:

1 HOUR RATED WALL (EXST)

GRAPHIC SCALE

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

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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

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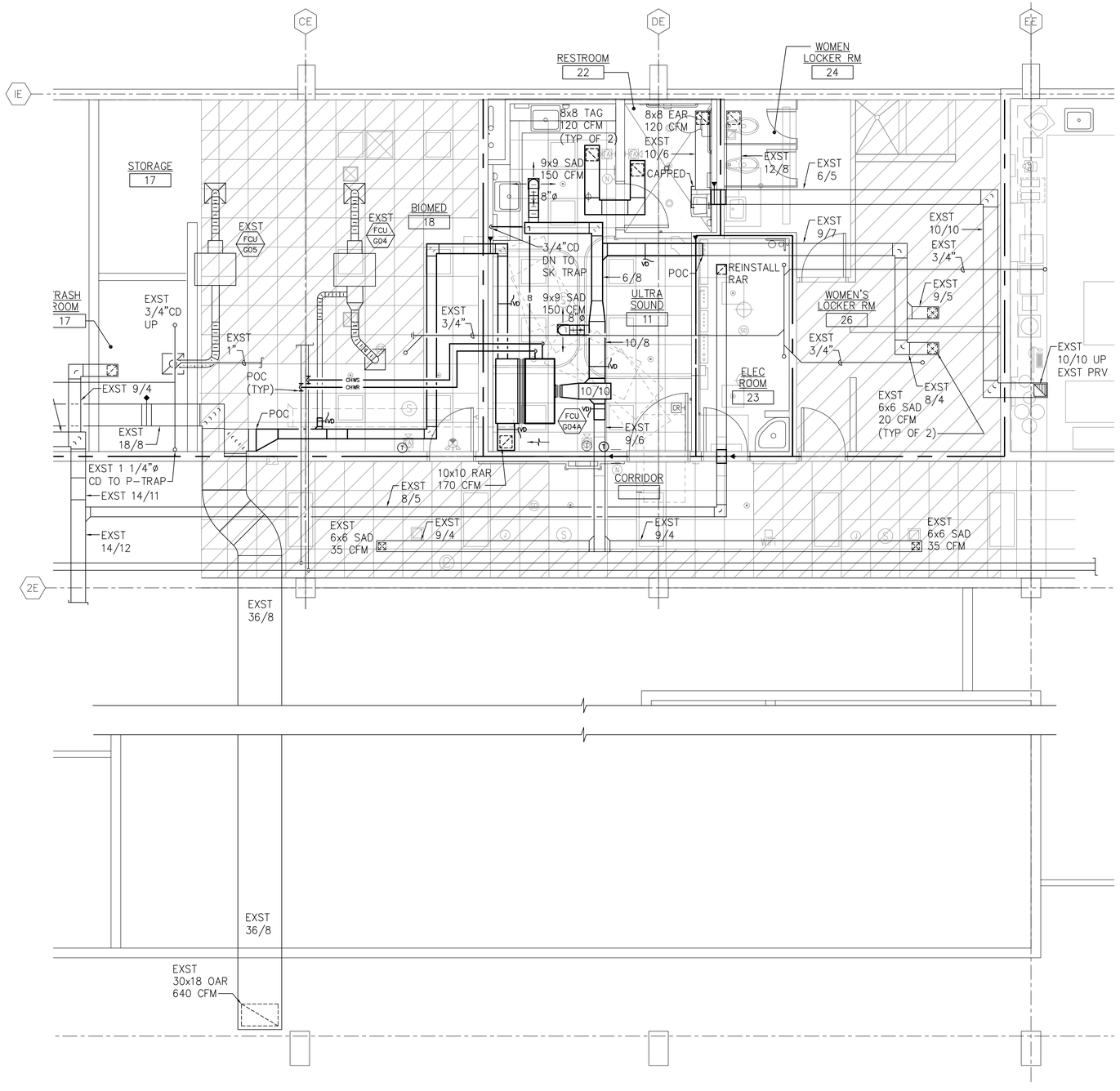
BUILDING: -

PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	MENS LOCKER DEMOLITION PLUMBING PLAN
NUMBER:	M-102



PARTIAL ULTRASOUND MECHANICAL PLAN

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

LEGEND:

1 HOUR RATED WALL (EXST)

GRAPHIC SCALE

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

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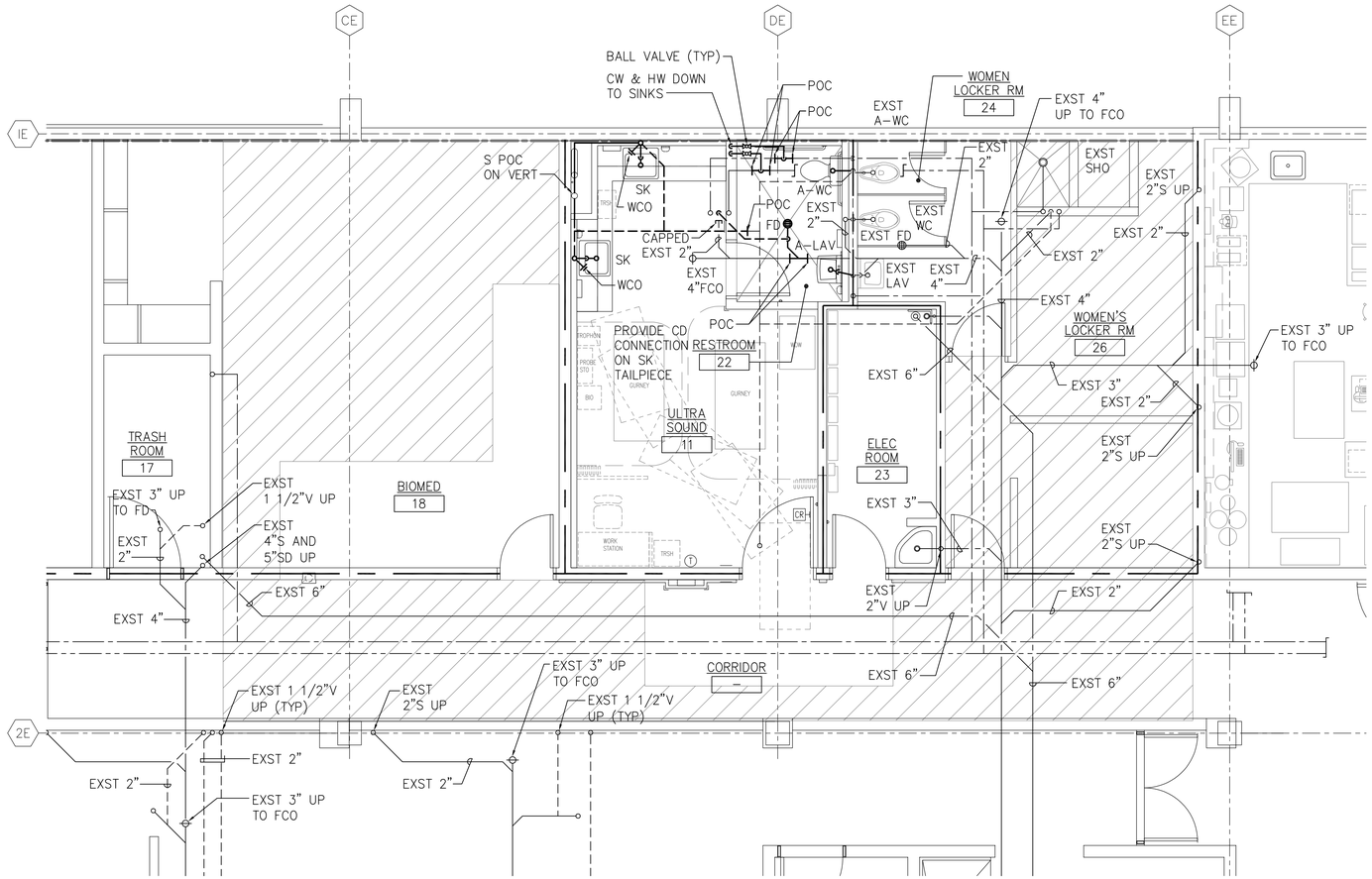
BUILDING: -

DRAWING		
PROJECT NO.		19-16.2
DRAWN BY:		TEC
DATE:		FEBRUARY 2022
SCALE:		AS SHOWN
TITLE:		PARTIAL ULTRASOUND
		MECHANICAL PLAN
NUMBER:		**M-401**



PARTIAL ULTRASOUND PLUMBING PLAN

SCALE: 1/4" = 1'–0"

LEGEND:

1 HOUR RATED WALL (EXST)

GRAPHIC SCALE

1/4" = 1'–0"

4' 0' 4' 8' 12'

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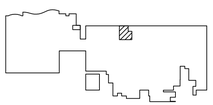
KEYPLAN:



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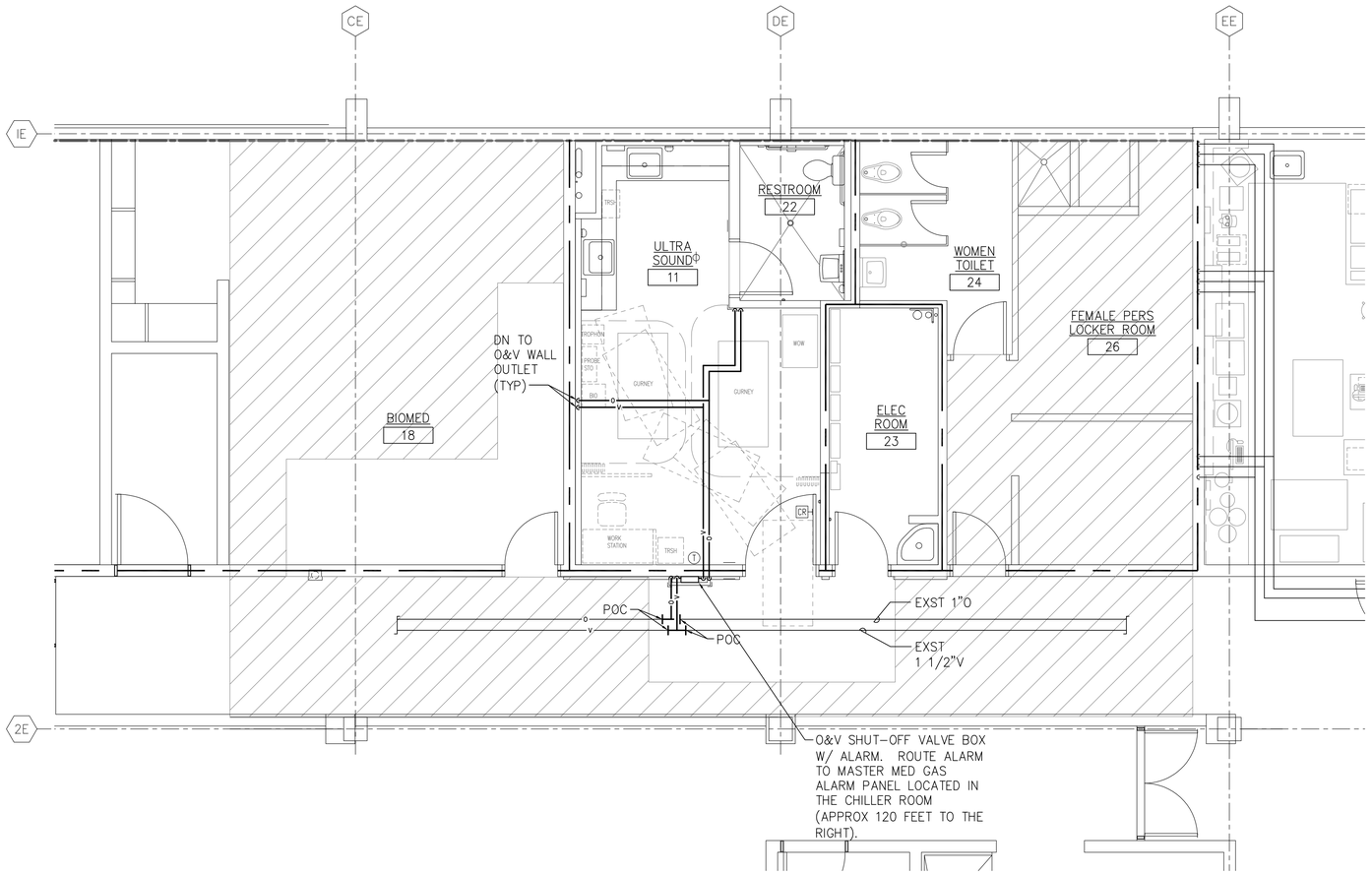
BUILDING: –

PROJECT NO.	19–16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	PARTIAL ULTRASOUND PLUMBING PLAN
NUMBER:	**M-402**



PARTIAL ULTRASOUND MED GAS PLAN

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

LEGEND:

1 HOUR RATED WALL (EXST)

GRAPHIC SCALE

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

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL

79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750

ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
540 LAGOON DR., SUITE 4 HONOLULU, HI. 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

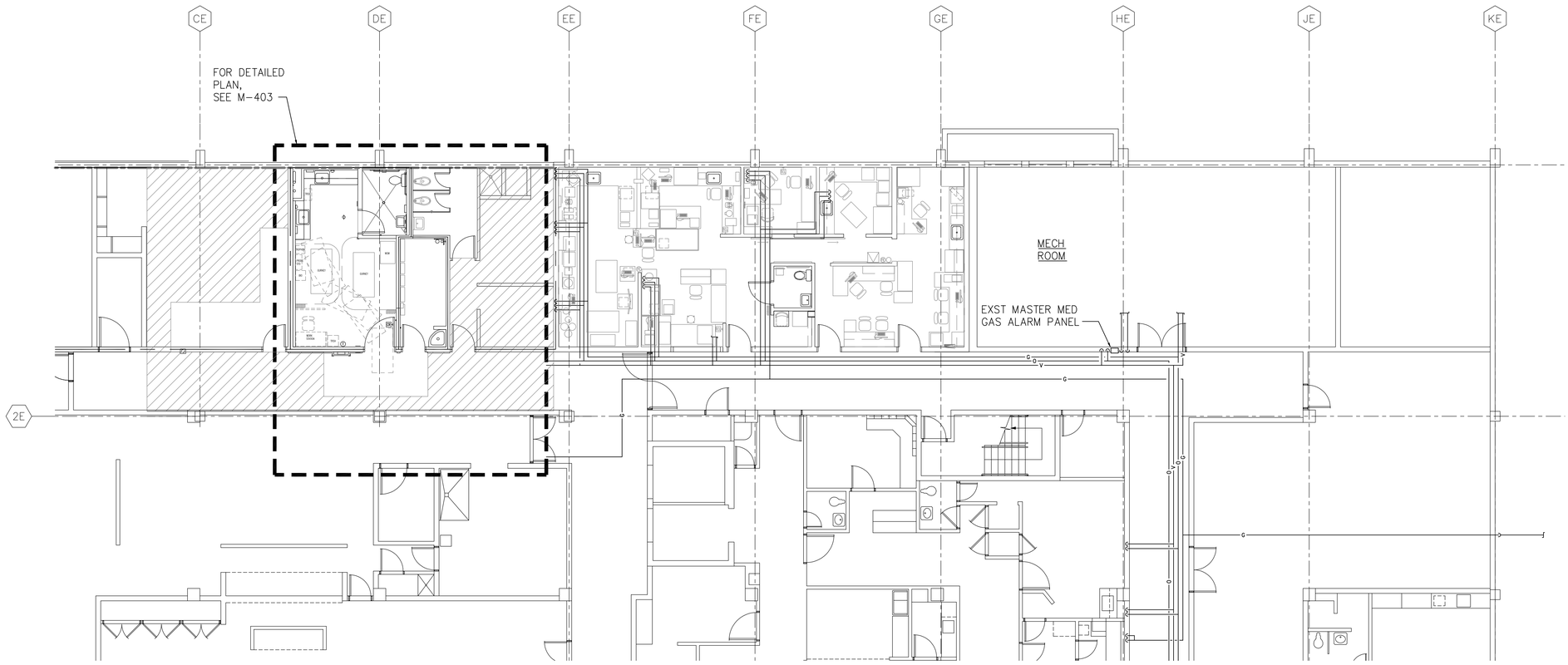
CAREY S. NAKAGAWA
LICENSED PROFESSIONAL ENGINEER
No. 16319-M
HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2022

SIGNATURE

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).

BUILDING	-	
PROJECT NO.	19-16.2	
DRAWING	DRAWN BY:	TEC
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	PARTIAL ULTRASOUND MED GAS PLAN
	NUMBER:	**M-403**



PARTIAL ULTRASOUND MED GAS PLAN

SCALE: 1/8" = 1'-0"

LEGEND:

1 HOUR RATED WALL (EXST)

GRAPHIC SCALE

1/8" = 1'-0" 4' 0' 8' 16' 24' 32'

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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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KEYPLAN:

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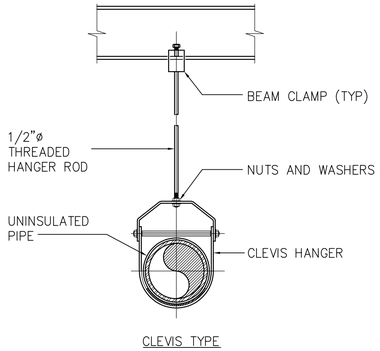
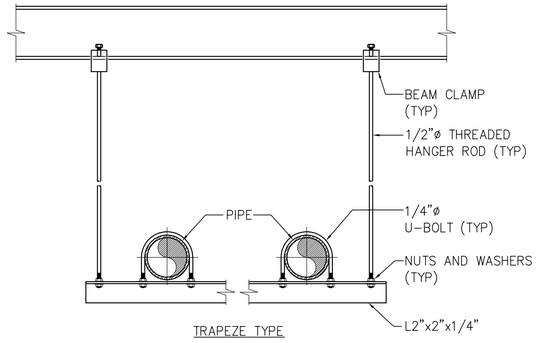
BUILDING: -

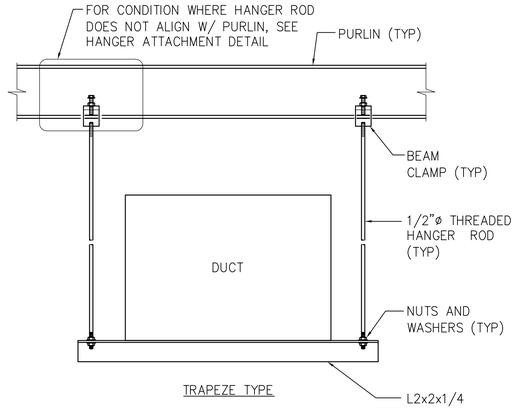
DRAWING	
PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	PARTIAL ULTRASOUND MED GAS PLAN
NUMBER:	**M-404**



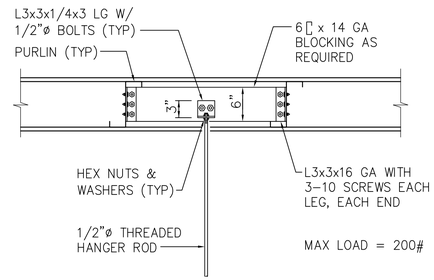
1 M-501 PIPE HANGER DETAIL
SCALE: NONE



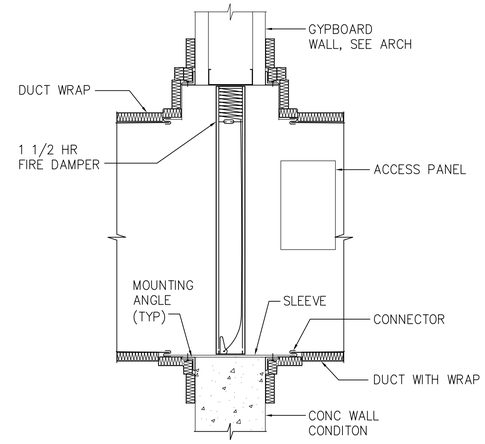
2 M-501 PIPE HANGER DETAIL
SCALE: NONE



3 M-501 TRAPEZE DUCT HANGER
SCALE: NONE

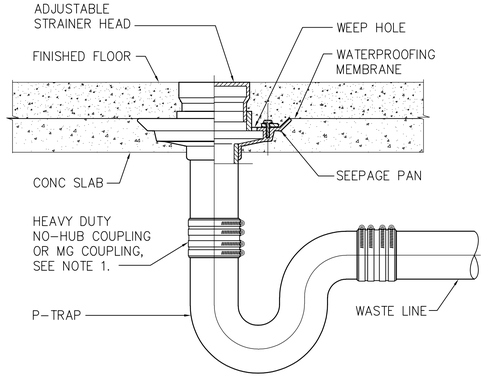


4 M-501 ALTERNATE HANGER ATTACHMENT DETAIL
SCALE: NONE



NOTE: TYPE 'A' DAMPER SIMILAR.

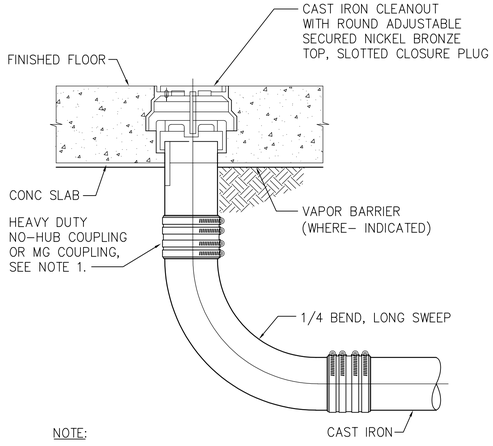
5 M-501 VERTICAL FIRE DAMPER DETAIL
SCALE: NONE



NOTE:

1. UNDERGROUND DWV PIPES ARE ABS PIPES & FITTING WITH SOLVENT JOINT CONNECTIONS.

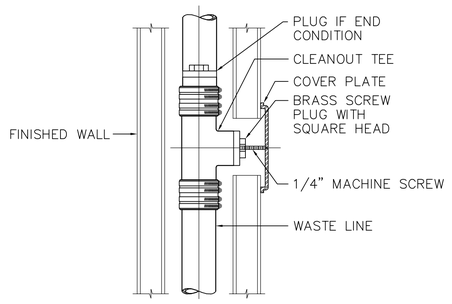
6 M-501 FLOOR DRAIN DETAIL
SCALE: NONE



NOTE:

1. UNDERGROUND DWV PIPES ARE ABS PIPES & FITTING WITH SOLVENT JOINT CONNECTIONS.

7 M-501 FLOOR CLEANOUT DETAIL
SCALE: NONE



8 M-501 WALL CLEANOUT DETAIL
SCALE: NONE

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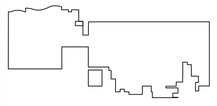
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:



CAREY S. NAKAGAWA
LICENSED PROFESSIONAL ENGINEER
No. 16319-M
HAWAII, U.S.A.
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SIGNATURE

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BUILDING: -

PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	DETAILS
NUMBER:	M-501

FAN COIL UNIT SCHEDULE

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 SECTION						COOLING COIL SECTION								FILTER SECTION				
NO	UNIT ORIENTATION	SA CFM	OA CFM	E.S.P. ("w.g.)	MIN FLA	DRIVE	FAN SPEED	EAT (DB/WB)	ECHWT (°F)	LCHWT (°F)	MIN ROWS	TCC* (BTUH)	SCC* (BTUH)	CHW GPM	CHW ΔP (FT)	THICKNESS (in)	TYPE	ELECTRICAL POWER	WEIGHT (LBS)	REMARKS
FCU G04A	HORIZONTAL BELT DRIVEN	410	240	0.375	1.9	DIRECT	HIGH	81.1/67.0	45	55	4	15,060	11,040	3	5.88	2	MERV 8	115V/1ø/60HZ	–	CARRIER 42CG, TRANE OR APPROVED EQUAL.

* MINIMUM NET COOLING CAPACITIES

AIR CONDITIONING SYSTEM	HARDWARE																							
BUILDING NO.	OUTPUT										INPUT													
SYSTEM(S): CONSTANT AIR VOLUME PANEL DESCRIPTION: FCU INDIVIDUAL CONTROLLER	DIGITAL					ANALOG					DIGITAL							ANALOG						
GRAPHIC DISPLAY • POINT OF DESCRIPTION	CONTROL RELAY (ON/OFF)	SOLENOID	HAND OFF/AUTO	OFF/AUTO	OPEN / CLOSE	MODULATING	SET POINT ADJUST	VFD SPEED	VFD COLUMN	4-20mA	PRESSURE SWITCH	DIFFERENTIAL PRESSURE SWITCH	FLOW SWITCH	AUXILIARY CONTACT FAN STATUS	PULSE	CONTACT CLOSURE	-	TEMPERATURE (DEGREES F)	% RELATIVE HUMIDITY	PSIG, PSIA, PSID	POSITION	CURRENT	% SPEED	AIRFLOW
FCU																								
SUPPLY FAN	•													•										
COOLING COIL CONTROL VALVE						•															•			
SUPPLY AIR TEMPERATURE							•											•						
RETURN AIR TEMPERATURE																		•						
ROOM TEMPERATURE							•											•						
CHWS TEMPERATURE																		•						
CHWR TEMPERATURE																		•						
MIXED AIR TEMPERATURE							•											•						
COOLING COIL LEAVING TEMP																		•						

	SOFTWARE																											
	ALARMS							APPLICATION PROGRAMS																				NOTES
	DIGITAL		ANALOG																									
POINT OF DESCRIPTION	CONTACT CLOSURE	FLOW FAIL FEEDBACK ALARM	SENSOR FAIL	HIGH LIMIT	LOW LIMIT	RUN TIME	-	SCHEDULED START/STOP	OPTIMUM START/STOP	DUTY CYCLING	DEMAND CONTROL VENTILATION	DAY/NIGHT SETBACK	ECONOMIZER	VENTILATION/RECIRCULATION	HOT/COLD DECK RESET	REHEAT COIL RESET	STEAM BOILER SELECTION	HOT WATER BOILER SELECTION	HOT WATER OA RESET	CHILLER SELECTION	CHILLED WATER RESET	CONDENSER WATER RESET	CHILLER DEMAND LIMIT	LIGHTING CONTROL	REMOTE BOILER MONITORING CONTROL		FAILURE MODE	
FCU																												
SUPPLY FAN		•				•		•																				
COOLING COIL CONTROL VALVE																												
SUPPLY AIR TEMPERATURE			•	•	•																							
RETURN AIR TEMPERATURE			•	•	•																							
ROOM TEMPERATURE			•	•	•																							
CHWS TEMPERATURE			•	•	•																							
CHWR TEMPERATURE			•	•	•																							
MIXED AIR TEMPERATURE			•	•	•																							
COOLING COIL LEAVING TEMP			•	•	•																							

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

DDC SYSTEM POINTS LIST

HAWAII HEALTH SYSTEMS CORPORATION
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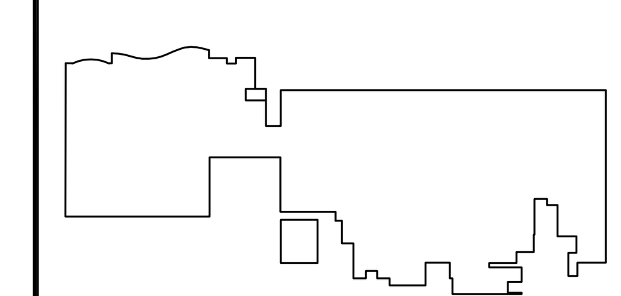
KEALAKEKUA, HAWAII 96750
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ARCHITECTS, INC.
ERSKINE ARCHITECTS, INC.
540 LAGOON DR., SUITE 4 HONOLULU, HI. 96819
(808) 833-8891 www.erskinearchitects.com



KEYPLAN:

CAREY S. NAKAGAWA
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No. 16319–M
HAWAII, U.S.A.

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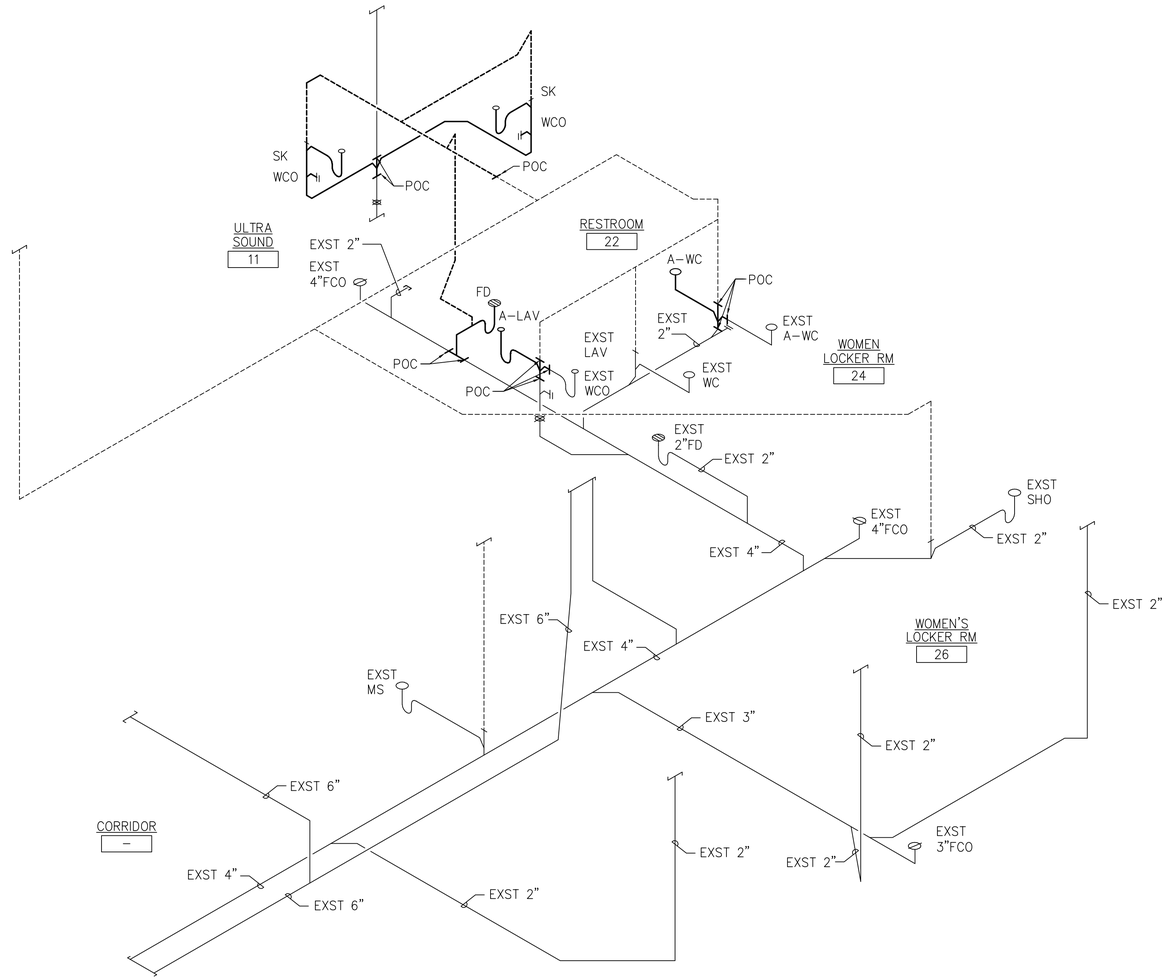
BUILDING: –

PROJECT NO.	19–16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	MECHANICAL EQUIPMENT SCH AND DDC SYSTEM POINTS LIST
NUMBER:	M-502



SANITARY PIPING DIAGRAM – ULTRASOUND

SCALE: NONE

HAWAII HEALTH SYSTEMS CORPORATION
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79-1019 HAUKAPILA STREET
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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
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(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

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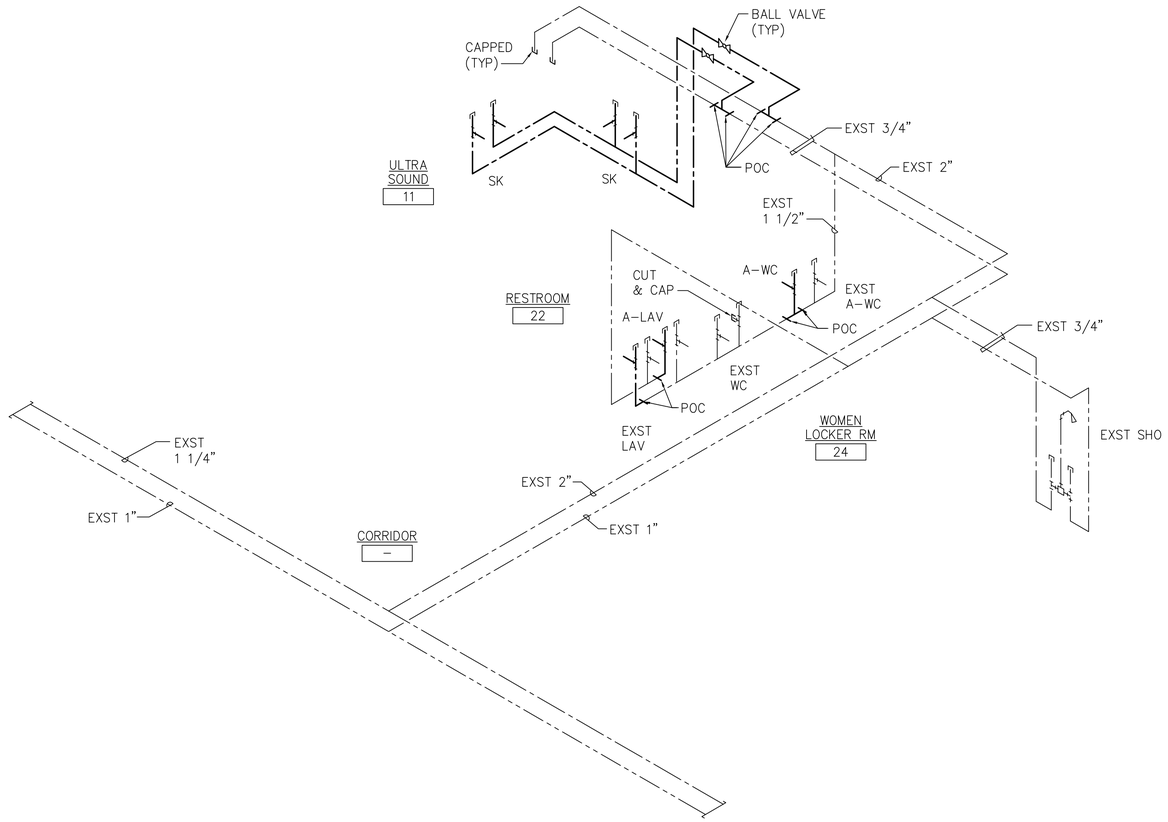
BUILDING	–
PROJECT NO.	19-16.2
DRAWING: DRAWN BY:	TEC
DRAWING: DATE:	FEBRUARY 2022
DRAWING: SCALE:	AS SHOWN
DRAWING: TITLE:	SANITARY PIPING DIAGRAM – ULTRASOUND
DRAWING: NUMBER:	**M-901**



WATER PIPING DIAGRAM – ULTRASOUND

SCALE: NONE

HAWAII HEALTH SYSTEMS CORPORATION
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79-1019 HAUKAPILA STREET
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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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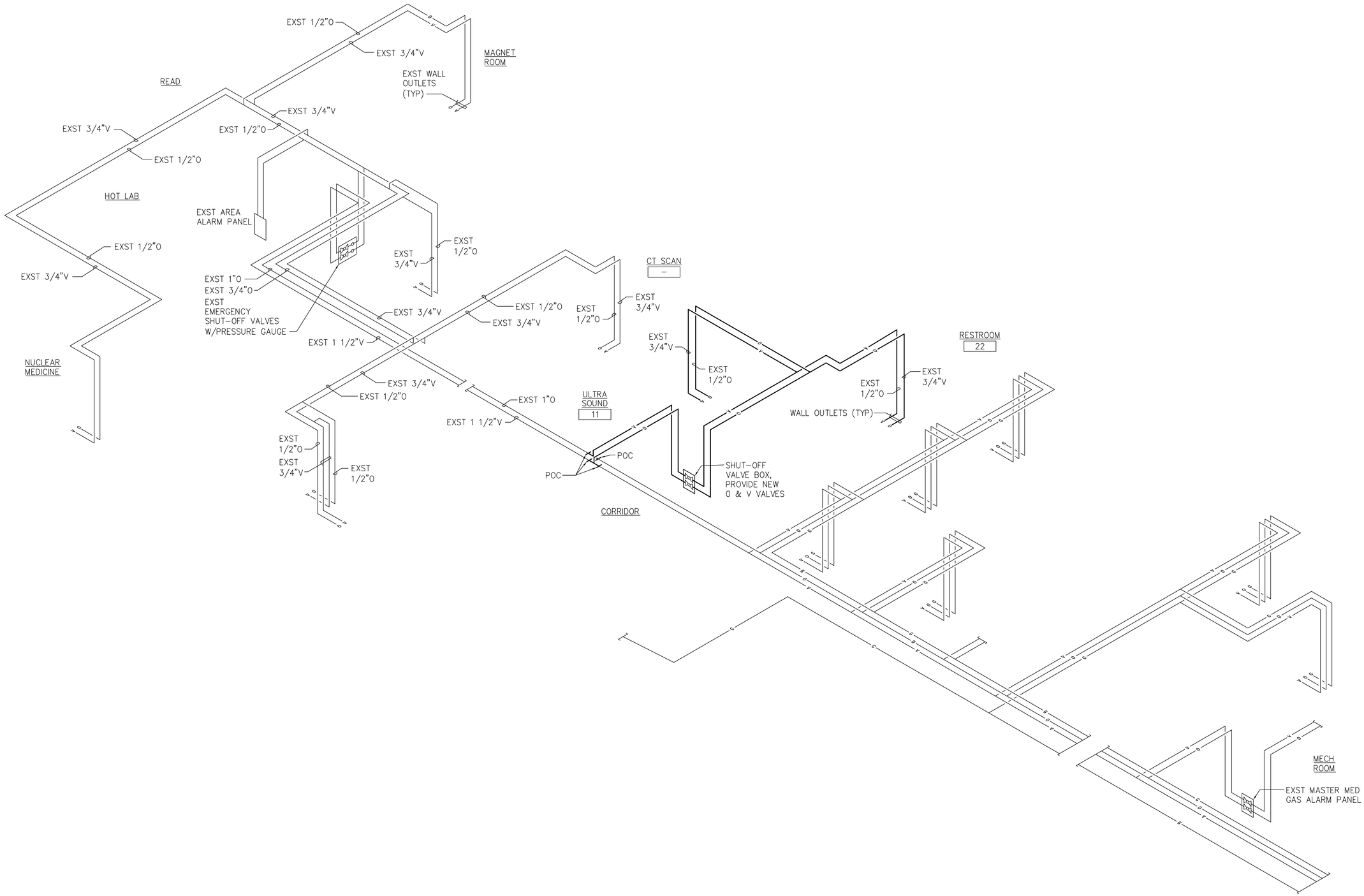
BUILDING: –

PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	WATER PIPING DIAGRAM
	– ULTRASOUND
NUMBER:	**M-902**

DRAWING:



MED GAS PIPING DIAGRAM

SCALE: NONE

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BUILDING: —

PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	MED GAS PIPING DIAGRAM
NUMBER:	**M-903**

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.
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.
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.
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.
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.
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.
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

(D) or — ELECTRICAL DEMOLITION. REMOVE EQUIPMENT AND APPURTENANCES IN THEIR ENTIRETY U.N.O. COORDINATE WORK RESTRICTIONS PRIOR TO DEMOLITION.

HOMERUN CONDUIT – STROKES INDICATE QUANTITY OF CONDUCTORS

CONDUIT/WIRE CONCEALED IN WALL OR ABOVE CEILING EXCEPT IN EXPOSED STRUCTURE AREAS 1/2"–2 #12 & 1 #12 GND THWN U.N.O.

CONDUIT AND/OR WIRE BELOW FLOOR OR GRADE 3/4"–2 #12 & 1 #12 GND THWN UNLESS NOTED

EXISTING CONDUIT AND/OR CONDUCTORS TO REMAIN (SHOWN LIGHT)

CONDUIT STUB OUT

S_b^a — SINGLE POLE SWITCH @ +48" TO TOP UNLESS NOTED
a = DEVICE SWITCH IDENTIFICATION (LOWERCASE)

IF b:

F	= 3 SPEED SWITCH	D	= DIMMER SWITCH
2	= 2 POLE SWITCH	K	= KEY OPERATED SWITCH
3	= 3-WAY SWITCH	M	= MOTION SENSOR SWITCH
4	= 4-WAY SWITCH	T	= THERMAL OVERLOAD SWITCH
L	= BACKLIT SWITCH	TM	= SWITCH WITH DIGITAL TIMER

SINGLE RECEPTACLE @ +18" TO CENTER UNLESS NOTED

WALL MOUNTED DUPLEX RECEPTACLE @ +18" TO CENTER U.N.O.
= GFCI RECEPTACLE
= DOUBLE DUPLEX RECEPTACLE
= 1/2 SWITCHED (BOTTOM HALF) DUPLEX RECEPTACLE

FLOOR MOUNT RECEPTACLE

CEILING MOUNT RECEPTACLE

SPECIAL RECEPTACLE @ +18" TO CENTER UNLESS NOTED

SD — SMOKE DETECTOR

a_A — LUMINAIRE IDENTIFICATION
A = LUMINAIRE DESIGNATION (UPPERCASE)
a = SWITCH DESIGNATION (LOWERCASE)

2x2 LAY-IN/RECESSED TROFFER REFER TO LUMINAIRE SCHEDULE

DOWNLIGHT LUMINAIRE

EMERGENCY BATTERY LIGHTING UNIT WITH TWIN HEADS

EMERGENCY BATTERY LIGHTING UNIT WITH TWIN HEADS AND EXIT SIGN

SURFACE MOUNTED PANELBOARD

FLUSH MOUNTED PANELBOARD

METER

N — NON-FUSED DISCONNECT SWITCH

J — JUNCTION BOX

H, 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.
X= CANDELLA RATING

P — PATIENT NURSE CALL

C — CALL SYSTEM

B — CODE BLUE

N — NURSE CALL LIGHT

NURSE CALL PULL CORD

FIRE ALARM MANUAL PULLSTATION @ +48" AFF TO TOP

TELEPHONE/DATA OUTLET
(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.

NFPA 70 CODE VERSION: 2017

ELECTRICAL ABBREVIATIONS

+18"	INDICATES MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE AFF OR AFG
AF	AMP FUSE (FOR FUSES), AMP FRAME (FOR CIRCUIT BREAKERS)
AFF	ABOVE FINISHED FLOOR
AT	AMP TRIP
C	CONDUIT
CONT	CONTINUATION
CU	COPPER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER WITH DEDICATED NEUTRAL
GFP	GROUND FAULT PROTECTION
GND	GROUND
HELCO	ELECTRICAL UTILITY COMPANY
LO	LUGS ONLY (SEE ALSO MLO)
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE, AS ADOPTED BY THE AHJ
P	POLE
PH	PHASE
PNL	INDICATES PANEL
S/N	SOLID NEUTRAL
TYP	TYPICAL
WP	WEATHER-PROOF (NEMA 3R)
XFMR	TRANSFORMER
UNO	UNLESS NOTED OTHERWISE
(D)	DEMOLITION
(E)	EXISTING
(N)	NEW
(R)	RELOCATE/RELOCATED

HAWAII COUNTY ENERGY CODE

2018 IECC, HAWAII REVISED STATUTES HRS 107-24 TO 28 & HAWAII ADMINISTRATIVE RULES CHAPTER HAR 3-181.1

COMMERCIAL BUILDING ENERGY EFFICIENCY STANDARDS

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECTS DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE COMMERCIAL PROVISIONS FOR ELECTRICAL & LIGHTING SYSTEMS (C405, & C408) OF THE 2015 IECC WITH AMENDMENTS PER HAR 3-181.1:

COMPLIANCE METHOD				
X	2015 IECC AS AMENDED. MANDATORY AND PRESCRIPTIVE			
	2015 IECC AS AMENDED. MANDATORY AND TOTAL BUILDING PERFORMANCE			
	ASHRAE STANDARD 90.1-2013. MANDATORY AND PRESCRIPTIVE			
	ASHRAE STANDARD 90.1-2013. MANDATORY AND TOTAL BUILDING PERFORMANCE			
INFORMATION IN CONSTRUCTION DOCUMENTS			YES	N/A
INTERIOR LIGHTING				
	OCCUPANT SENSOR CONTROLS	C405.2.1		X
	TIME SWITCH CONTROLS	C405.2.2		X
	DAYLIGHT RESPONSIVE CONTROLS	C405.2.3		X
	DAYLIGHT ZONES ON PLANS	C405.2.3.2 & C405.2.3.3		X
	GUEST ROOM CONTROLS	C405.2.4		X
	INTERIOR LIGHTING FIXTURE SCHEDULE		X	
	INPUT POWER FOR INTERIOR LIGHTING FIXTURES	C405.4.1	X	
	INTERIOR LIGHTING FIXTURE LOCATIONS	C403.2.8	X	
	LIGHTING CONTROL FUNCTIONAL PERFORMANCE TESTING REQUIREMENT	C408.3	X	
EXTERIOR LIGHTING				
	EXTERIOR LIGHTING CONTROLS	C405.2.5		X
	EXTERIOR LIGHTING FIXTURE SCHEDULE			X
	INPUT POWER FOR EXTERIOR LIGHTING FIXTURES			X
	EXTERIOR LIGHTING FIXTURE LOCATIONS			X
ELECTRICAL				
	ELECTRICAL TRANSFORMER EFFICIENCY	C405.7		X
	TENANT SUBMETERING	C405.10		X

NOTES:

SIGNATURE: Eli Waltz
DATE: 11/30/2021
NAME: ELI B. WALTZ
TITLE: ELECTRICAL ENGINEER
LICENSE NO.:18572-E

HAWAII HEALTH SYSTEMS CORPORATION
Quality Healthcare for All

KONA COMMUNITY HOSPITAL
79-1019 HAUKAPILA STREET
KEALAKEKUA, HAWAII 96750
ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
540 LAGOON DR., SUITE 4 HONOLULU, HI 96819
(808) 833-8891 www.erskinearchitects.com

KEYPLAN:

ELI B. WALTZ
LICENSED PROFESSIONAL ENGINEER
Exp. 04/30/22
No. 18572-E
HAWAII, U.S.A.

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

SIGNATURE

BUILDING: –

DRAWING		
PROJECT NO.		19-16.2
	DRAWN BY:	KD
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	ELECTRICAL SYMBOLS, IECC & ABBREVIATIONS
	NUMBER:	E-001

NOTICES

1. PROVIDE FIRE STOPPING TO PRESERVE FIRE RATING OF STRUCTURE AS REQUIRED. SEE ARCH DRAWINGS FOR FIRE RATED CONSTRUCTION.

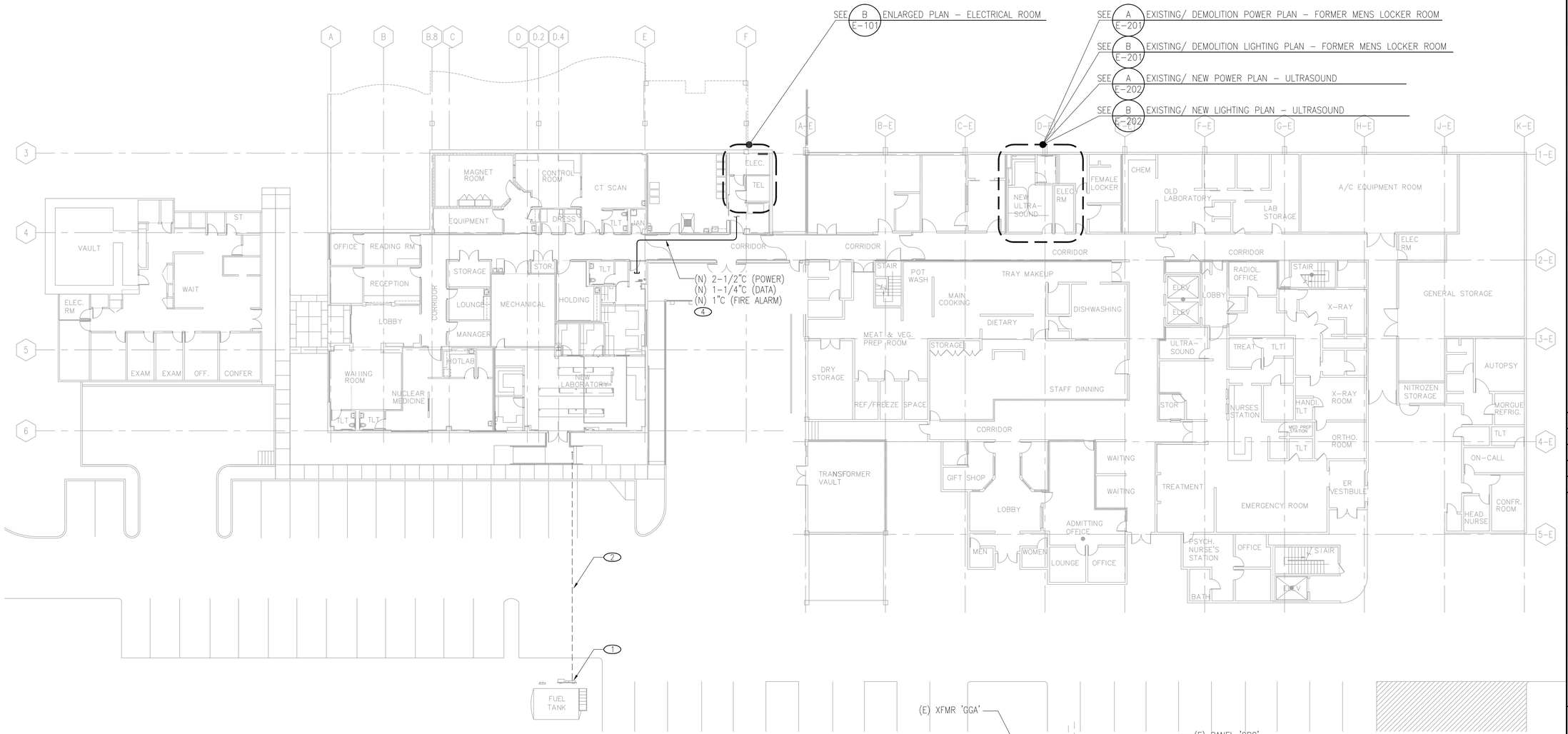
NOTES

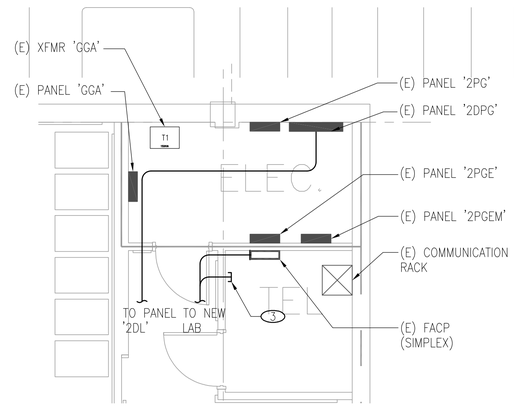
(1) EXISTING/ NEW FUEL MONITOR ALARM EQUIPMENT, SEE MECHANICAL DRAWINGS. PROVIDE NEW 120V CONNECTION TO EQUIPMENT AS REQUIRED.

(2) UTILIZE EXISTING UNDERGROUND RACEWAY FOR NEW 120V CIRCUIT TO FUEL MONITORING/ ALARM EQUIPMENT. REMOVE AND REPLACE EXISTING WIRING WITH NEW (3) #10 AWG.

(3) STUB NEW 1-1/4"C INTO EXISTING TELECOM ROOM FOR CONNECTION OF NEW DATA CABLING TO EXISTING COMMUNICATIONS RACK.

(4) VERIFY EXACT CONDUIT SIZE AND INTERCONNECTION WITH FIRE ALARM VENDOR.





A OVERALL ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"
0 16' 32' N

B ENLARGED PLAN - ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"
0 4' 8' N

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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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SIGNATURE

BUILDING: –

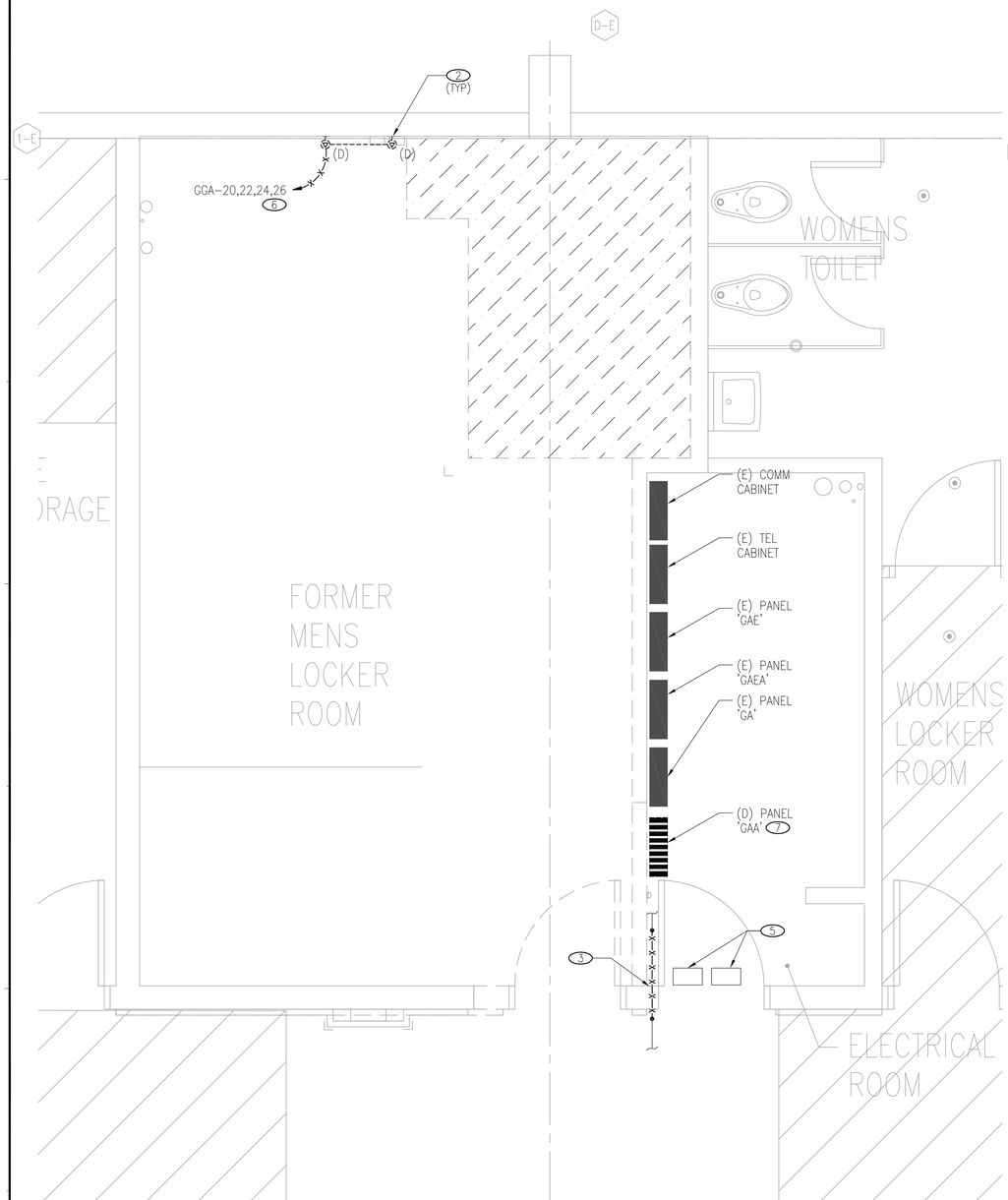
DRAWING	
PROJECT NO.	19-16.2
DRAWN BY:	KD
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	OVERALL ELECTRICAL PLAN
NUMBER:	E-101

NOTICES

1. HATCHED AREAS NOT IN CONTRACT.

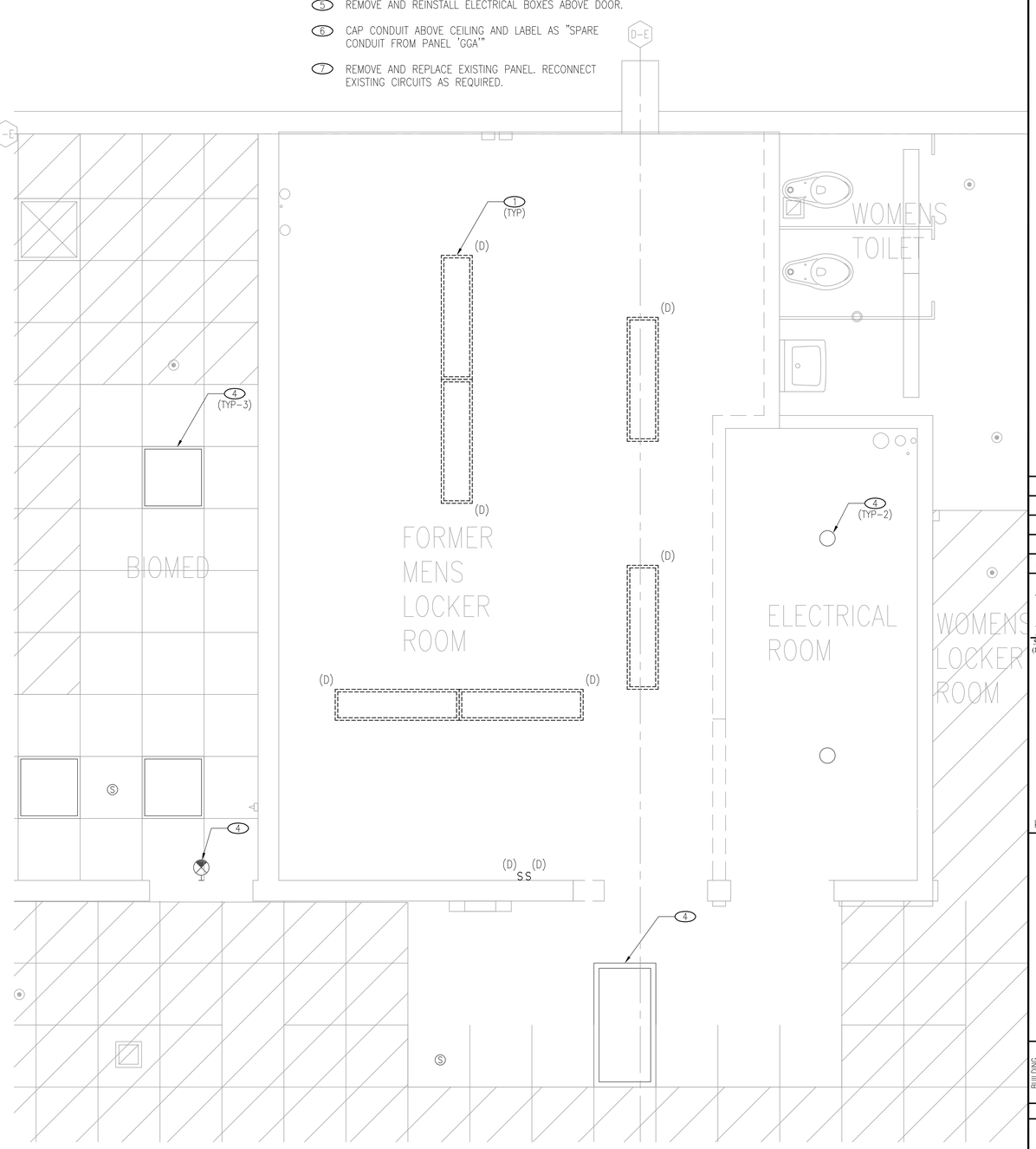
NOTES

1. REMOVE EXISTING LIGHT FIXTURE AND ALL CONDUIT WIRE BACK TO SOURCE.
2. REMOVE EXISTING RECEPTACLES AND ALL WIRING BACK TO SOURCE.
3. REPLACE CONDUIT AND REPAIR PENETRATION, AT WALL AND CEILING.
4. REMOVE AND REINSTALL EXISTING LIGHT FIXTURE
5. REMOVE AND REINSTALL ELECTRICAL BOXES ABOVE DOOR.
6. CAP CONDUIT ABOVE CEILING AND LABEL AS "SPARE CONDUIT FROM PANEL 'GGA'"
7. REMOVE AND REPLACE EXISTING PANEL. RECONNECT EXISTING CIRCUITS AS REQUIRED.



A EXISTING/ DEMOLITION POWER PLAN - FORMER MENS LOCKER ROOM

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



B EXISTING/ DEMOLITION LIGHTING PLAN - FORMER MENS LOCKER ROOM

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

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SIGNATURE

BUILDING: –

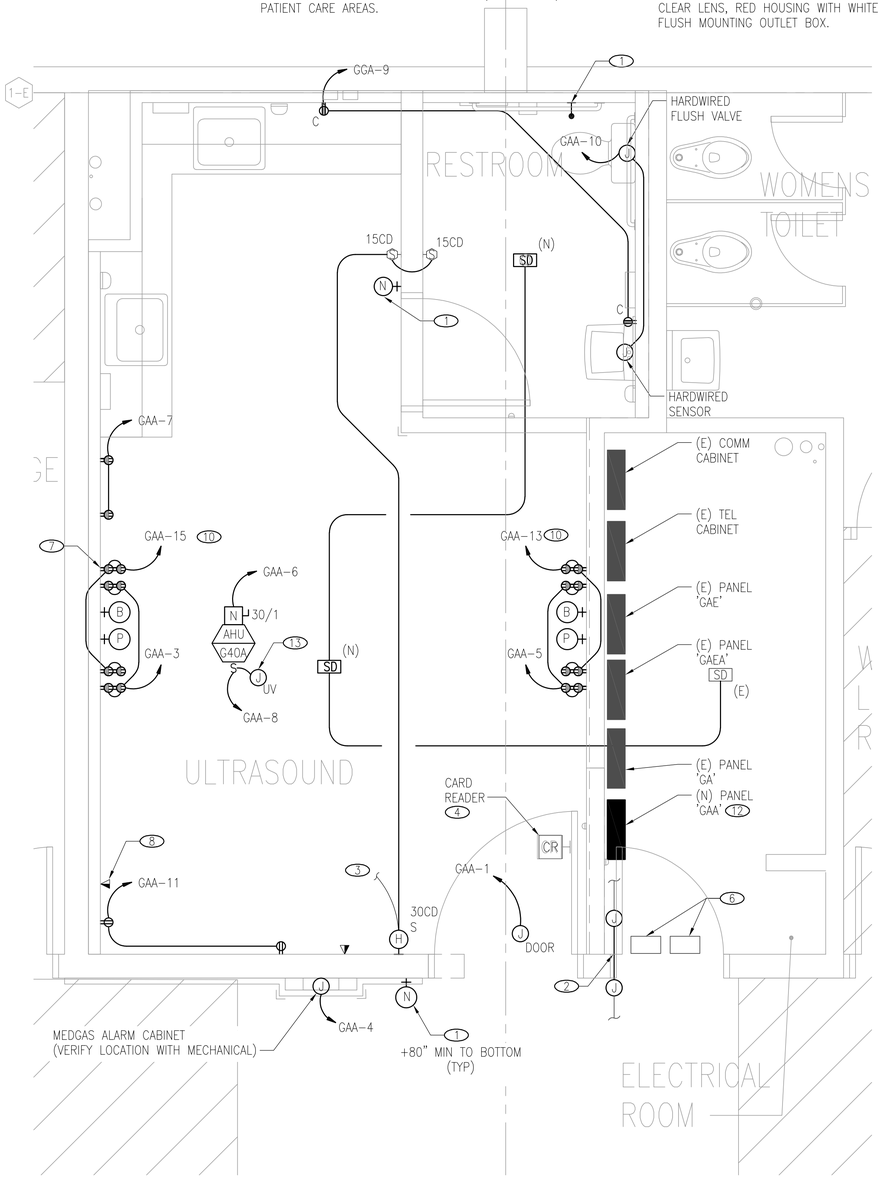
DRAWING		
PROJECT NO.		19-16.2
DRAWN BY:		KD
DATE:		FEBRUARY 2022
SCALE:		AS SHOWN
TITLE:		EXISTING/ DEMOLITION POWER & LIGHTING PLANS
NUMBER:		E-201

NOTICES

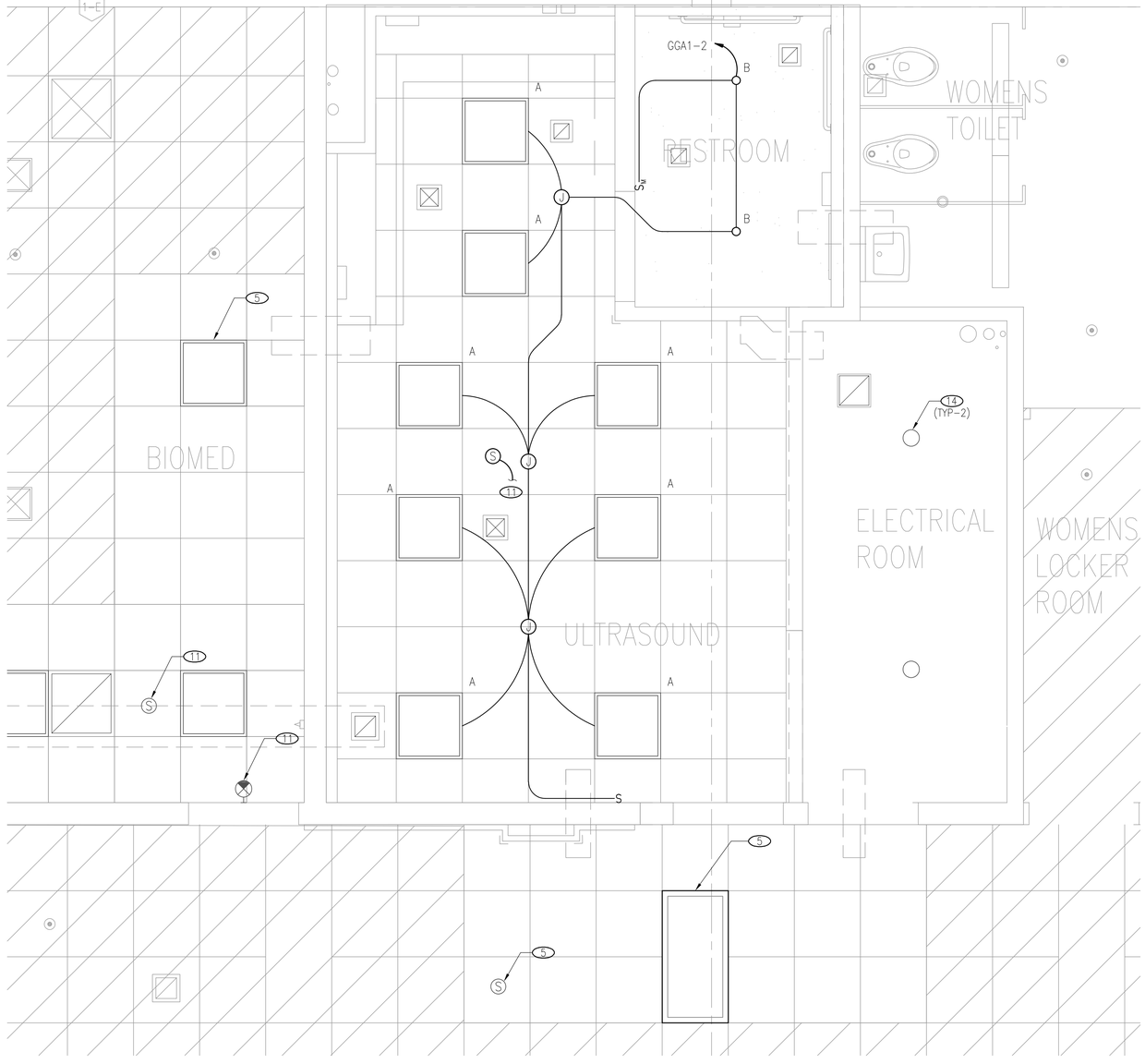
1. PROVIDE FIRE STOPPING TO PRESERVE FIRE RATING OF STRUCTURE AS REQUIRED. SEE ARCH DRAWINGS FOR FIRE RATED CONSTRUCTION.
2. ALL RECEPTACLES IN THE ULTRASOUND ROOM SHALL BE HOSPITAL GRADE AND IDENTIFIED AS SUCH.
3. PROVIDE REDUNDANT GROUND FOR ALL CIRCUITS WHERE REQUIRED BY NEC 517.13
4. HATCHED AREAS NOT IN CONRACT.
5. ULTRASOUND AREA IS CLASSIFIED AS A BASIC CARE (CATEGORY 3) SPACE PER NEC 517. RECEPTACLES ARE OPTIONALLY PROVIDED AS PART OF THIS DESIGN TO MEET THE REQUIREMENTS OF GENERAL CARE (CATEGORY 2) PATIENT CARE AREAS.
6. AUDIO INDICATING APPLIANCE: D.C. VIBRATING HORN, 24 VDC, 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 LEBEL OF NO MORE THAN 110 dbA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. RED HOUSING, APPROXIMATE 4-3/4"x4-3/4", FLUSH MOUNTING OUTLET BOX. (FURNISH "MINI-HORN" WHERE INDICATED.)
7. VISUAL INDICATING APPLIANCE: 24 VDC, XENON FLASHER, INTESITY 75 CANDELA MINIMUM, ADJUSTABLE TO 110, FLASH RATE MINIMUM 1 HZ MAXIMUM 3 HZ, MAXIMUM DURATION 0.2 SECONDS AT MAXIMUM DUTY CYCLE 40 PERCENT, CLEAR LENS, RED HOUSING WITH WHITE "FIRE" LABEL, FLUSH MOUNTING OUTLET BOX.

NOTES

1. INTEGRATE WITH EXISTING NURSE CALL SYSTEM. COORDINATE VENDOR (HILL-ROM) TO PROVIDE ALL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM.
2. INTERCEPT EXISTING CIRCUIT AND REROUTE THROUGH WALL PENETRATION AS REQUIRED FOR REPAIR OF NEW CEILING. ENLARGE PENETRATION OPENING AS REQUIRED.
3. INTERCONNECT WITH EXISTING FIRE ALARM SYSTEM. PROVIDE CONNECTION TO EXISTING NOTIFICATION APPLIANCE CIRCUIT OR INITIATING DEVICE CIRCUIT PER MANUFACTURER'S SHOP DRAWINGS.
4. INTERCONNECT WITH EXISTING ACCESS CONTROL SYSTEM. COORDINATE WITH HOSPITAL VENDOR (ICS) TO PROVIDE ALL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM.
5. REINSTALL EXISTING LIGHT FIXTURES.
6. REINSTALL ELECTRICAL BOXES ABOVE DOOR.
7. VERIFY FINAL RECEPTACLE LOCATION WITH HOSPITAL BASED ON FINAL EQUIPMENT LAYOUT (TYP)
8. ROUTE NEW DATA CABLING BACK TO TELCOM ROOM SHOWN ON E-101. ROUTE ABOVE CEILING USING J-HOOKS, VERIFY FINAL ROUTING IN FIELD.
9. NOT USED
10. AFTER CONSTRUCTION OF THE NEW LABORATORY IS COMPLETE AND CIRCUITS BECOME AVAILABLE ON PANEL 'GAEA', RELOCATE PATIENT BED RECEPTACLE CIRCUITS ONTO AVAILABLE CIRCUITS IN PANEL 'GAEA'.
11. REINSTALL EXISTING SPEAKERS FROM LAB AREA TO LOCATION AS SHOWN. PROVIDE INTERCONNECTING SPEAKER WIRING INTO EXISTING HOSPITAL PUBLIC ADDRESS SYSTEM. VERIFY WIRING REQUIREMENTS AND INTERCONNECTION PRIOR TO BID.
12. RECONNECT EXISTING CRICUITS TO NEW PANEL AS REQUIRED.
13. PROVIDE CONNECTION TO UV LIGHTS AND AHU ACCESSORIES AS REQUIRED. SEE MECHANICAL DRAWINGS.
14. REINSTALL EXISTING LIGHT FIXTURES.



A EXISTING/ NEW POWER PLAN - ULTRASOUND
SCALE: 1/16" = 1'-0"



B EXISTING/ NEW LIGHTING PLAN - ULTRASOUND
SCALE: 1/4" = 1'-0"

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NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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KEYPLAN:

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Exp. 04/30/22
No. 18572-E
HAWAII, U.S.A.

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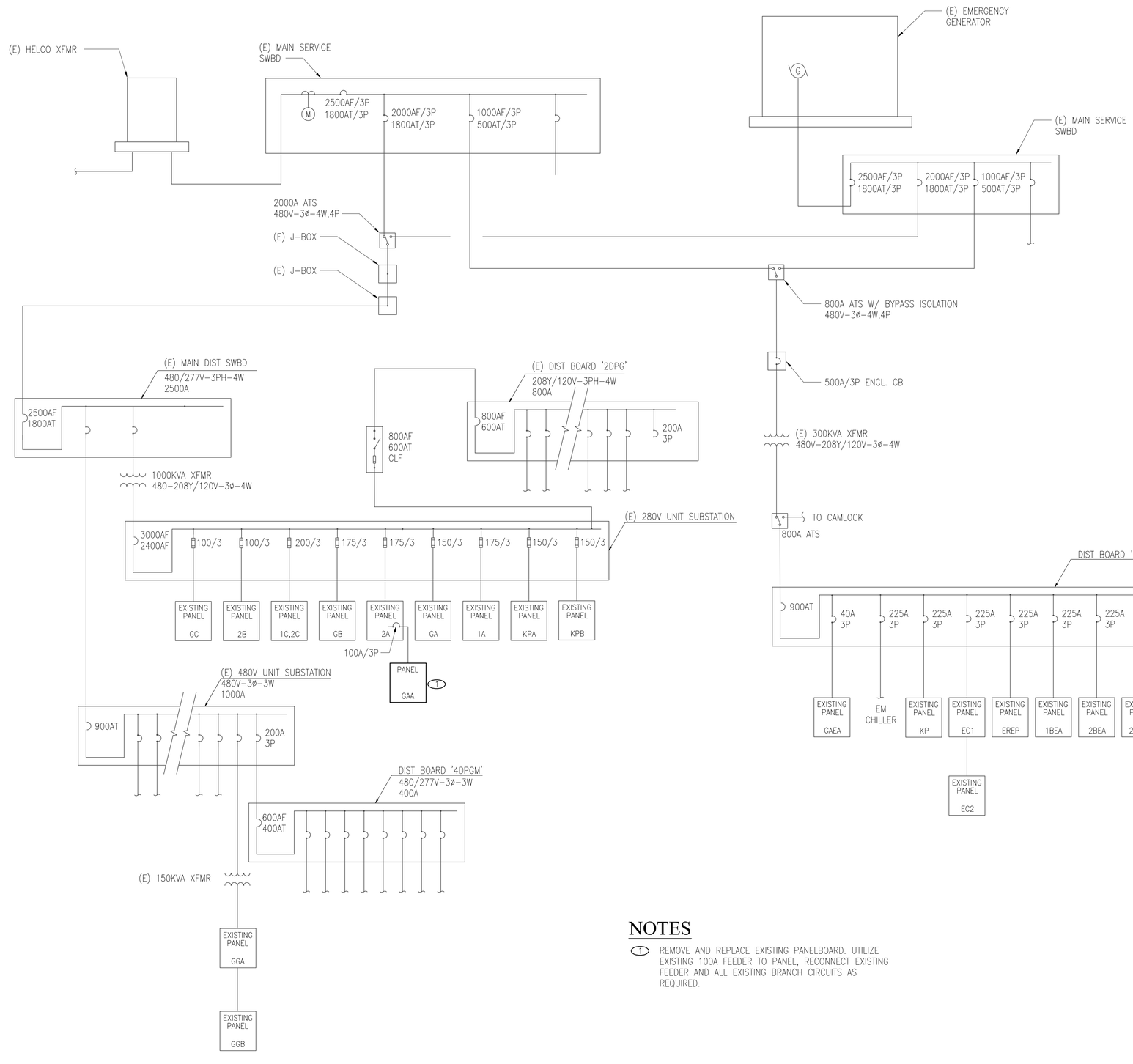
SIGNATURE

BUILDING: -

DRAWING		
PROJECT NO.		19-16.2
	DRAWN BY:	KD
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	EXISTING/ NEW POWER & LIGHTING PLANS - ULTRASOUND
	NUMBER:	E-202



ELECTRICAL LOAD CALCULATIONS

PANEL GA:		
EXISTING LOAD (X1.25)	=	12.0KVA
NEW LOAD (PANEL 'GAA')	=	8.1KVA
TOTAL LOAD:	=	20.1KVA
@208/3PH	=	55.2A

NOTE: EXISTING LOAD DETERMINED VIA LOAD STUDY.

NOTES

1. REMOVE AND REPLACE EXISTING PANELBOARD. UTILIZE EXISTING 100A FEEDER TO PANEL, RECONNECT EXISTING FEEDER AND ALL EXISTING BRANCH CIRCUITS AS REQUIRED.

A ONE LINE DIAGRAM
NO SCALE

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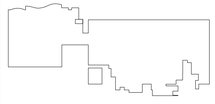
KEYPLAN:



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Exp. 04/30/22
No. 18572-E
HAWAII, U.S.A.

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SIGNATURE

BUILDING: –

PROJECT NO.	19-16.2
DRAWN BY:	KO
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	ELECTRICAL ONE LINE DIAGRAM
NUMBER:	E-301

NEW

PANEL: GAA

VOLTAGE: 208 / 120 3Ø 4W CIRCUIT CODE: blank or N: NON-CONTINUOUS
BUS: 125A L: LONG-CONTINUOUS
DATE: 11/30/21 3:54 PM MAINS: M.L.O LOCATION: ULTRASOUND R: DEMANDABLE RECEPTACLES
JOB: 14005-19-02 AIC RATING: 10,000 MOUNTING: FLUSH K: KITCHEN NO. OF EQUIPMENT: 0

CKT NO	CODE	TRIP	POLE	LOAD DESIGNATION DESCRIPTION	(NOTE)	M	R	L	CONNECTED VA ØA	ØB	ØC	A	B	C	ØA	ØB	ØC	L	R	M	LOAD DESIGNATION (NOTE) DESCRIPTION	TRIP	POLE	CODE	CKT NO
1		20	1	DOOR LOCK					100			•			392						ULTASOUND LIGHTS	20	1	L	2
3	R	20	1	ULTRASOUND RECEPT						900			•			200					MEDGAS ALARM CAB	20	1		4
5	R	20	1	ULTRASOUND RECEPT							900			•			250				AHU-G40A	20	1		6
7	R	20	1	ULTRASOUND RECEPT					720			•			100						AHU UV LTS/DDC	20	1		8
9	R	20	1	ULTRASOUND RECEPT						360			•			1000					LAV, TOILET	20	1		10
11	R	20	1	ULTRASOUND RECEPT							360			•			-				SPARE	20	1		12
13	L	20	1	ER HALLWAY LTS & RECEPT	1				500			•			-						SPARE	20	1		14
15	L	20	1	LTG CAPE - JB CLG	1					500			•			-					SPARE	20	1		16
17		20	1	LAUNDRY	1						500			•			-				SPACE				18
19		20	1	LAUNDRY	1				500			•			-						SPACE				20
21		20	1	ACA II LABORATORY	1					500			•			-					SPACE				22
23		20	1	SPARE							-			•			-	.			SPACE				24
25		20	1	SPARE					-			•			-						SPACE				26
27		20	1	SPARE						-			•			-					SPACE				28
29				SPACE							-			•			-				SPACE				30
31				SPACE					-			•			-						SPACE				32
33				SPACE						-			•			-					SPACE				34
35				SPACE							-			•			-				SPACE				36
37				SPACE					-			•			-						SPACE				38
39				SPACE						-			•			-					SPACE				40
41				SPACE							-			•			-				SPACE				42

PANEL NOTES: PHASE TOTALS ØA: 2312 ØB: 3460 ØC: 2010

1. RECONNECT EXISTING LOAD TO NEW PANEL. VERIFY EXISTING CIRCUIT LABELLING WITH HOSPITAL.

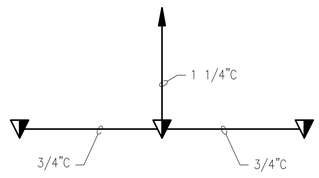
42 CRICUIT PANEL

TOTAL CONNECTED VA	7782
CONNECTED VA (CODE N)	3150
CONNECTED VA (CODE L)	1392
CONNECTED VA (CODE R)	3240
CONNECTED VA (CODE K)	0
PANEL CONNECTED KVA	7.8
PANEL DEMAND KVA	8.1
PANEL DEMAND AMPS	22.6
HIGH Ø AMPS w/ DEMAND	29.9

LUMINAIRE SCHEDULE

FIXTURE TYPE	MANUFACTURER NAME	MANUFACTURER 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
B	E2 LIGHTING	E2-P23R16	16	RECESSED	LED	4000K, 80+ CRI	120/277
	LITHONIA	ELM2L	5	UNIVERSAL	LED	EMERGENCY BUGEYE FIXTURE WITH 90 MINUTE BATTERY BACKUP	120
	LITHONIA	LHQM-LED-R-SD	5	UNIVERSAL	LED	EXIT SIGN WITH LED COMBO AND EMERGENCY BATTERY BACKUP	120

RUN CONDUIT TO A POINT 6" ABOVE CEILING
HOME RUN CABLES TO TELECOMM
ROOM SHOWN ON DRAWINGS



NOTES:
1. DATA ONLY OUTLETS ARE SIMILAR.
2. THEORETICAL DRAWING. INSTALL BOXES PER EIA/TIA & BICSI GUIDELINES.

1 TYP. CONDUIT INSTALLATION DIAGRAM
NO SCALE

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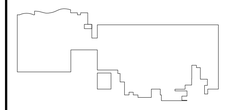
KEYPLAN:



ELI B. WALTZ
LICENSED PROFESSIONAL ENGINEER
Exp. 04/30/22
No. 18572-E
HAWAII, U.S.A.

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

SIGNATURE

BUILDING: –

PROJECT NO.	19-16.2
DRAWN BY:	KD
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
TITLE:	ELECTRICAL SCHEDULES
NUMBER:	E-401

FIRE SAFETY NOTES

1. FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 16, 2012 NFPA 1, AS AMENDED.
2. 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.
3. WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.

FIRE PROTECTION GENERAL NOTES

1. FIRE PROTECTION SYSTEM DESIGN, INSTALLATION, MATERIALS, AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE 2006 INTERNATIONAL BUILDING CODE, AS AMENDED. FIRE PROTECTION SYSTEM TESTING SHALL BE IN ACCORDANCE WITH THE 2012 NFPA 1 UNIFORM FIRE CODE, AS AMENDED.
2. 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.
3. SEE ARCHITECTURAL DRAWINGS FOR LIMITS OF WORK AND CONSTRUCTION PHASING.

FIRE SPRINKLER NOTES

1. 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: ELECTRICAL ROOM

OCCUPANCY CLASSIFICATION:	LIGHT HAZARD
SPRINKLER FINISH:	BRASS FRAME, CONCEALED PENDENT W/WHITE COVER PLATE
SPRINKLER K-FACTOR:	K = 5.6
SPRINKLER TEMPERATURE RATING:	155 DEGREES F
SPRINKLER RESPONSE TYPE:	QUICK RESPONSE

   PROVIDE PENDENT FIRE SPRINKLER WITH ADJUSTABLE 2-PIECE ESCUTCHEONS IN AREAS WITH SURFACE MOUNTED LIGHT FIXTURES.

   ELECTRICAL ROOM:

OCCUPANCY CLASSIFICATION:	ORDINARY HAZARD GROUP 1
SPRINKLER FINISH:	CHROME WITH 2-PIECE ADJUSTABLE ESCUTCHEON
SPRINKLER K-FACTOR:	K = 5.6
SPRINKLER TEMPERATURE RATING:	155 DEGREES F
SPRINKLER RESPONSE TYPE:	QUICK RESPONSE

   PROVIDE PENDENT FIRE SPRINKLER WITH ADJUSTABLE 2-PIECE ESCUTCHEONS IN AREAS WITH SURFACE MOUNTED LIGHT FIXTURES.

FIRE SPRINKLER NOTES (CONT.)

4. WATER SUPPLY INFORMATION:
   DATA OBTAINED FROM HYDRANT FLOW TEST ON 02/28/2020 FOR PRIVATE FIRE HYDRANT NEAR SOUTH LOADING DOCK OF KONA COMMUNITY HOSPITAL.

STATIC PRESSURE:	66 PSI
RESIDUAL PRESSURE:	20 PSI
FLOW AT RESIDUAL PRESSURE:	856 GPM

5. PROVIDE NEW MATERIALS AND EQUIPMENT. CONTRACTOR SHALL NOT RE-USE EXISTING SPRINKLER HEADS, PIPING, FITTINGS, ETC. FLEXIBLE FIRE SPRINKLER PIPE DROPS AND BRACKET ASSEMBLIES THAT ARE DISCONNECTED TO ACCOMMODATE CEILING TILE REMOVAL ARE PERMITTED TO BE REUSED. ANY DROPS OR BRACKETS FOUND TO BE DAMAGED SHALL BE REPLACED.
6. SPRINKLER PIPING SHALL COMPLY WITH NFPA 13 EXCEPT THAT PLASTIC PIPE AND COPPER TUBING SHALL NOT BE PERMITTED. PIPING SHALL BE STEEL. PIPE SIZES LESS THAN 2-1/2 INCHES SHALL BE SCHEDULE 40 STEEL. PIPE SIZES 2-1/2 INCHES AND LARGER SHALL BE SCHEDULE 10 OR 40 STEEL.
7. PROVIDE NEW SWAY BRACING ON ALL NEW AND EXISTING FIRE SPRINKLER RISERS, MAINS, AND BRANCH LINES 2-1/2 INCHES AND LARGER WITHIN THE AREA OF WORK IN ACCORDANCE WITH NFPA 13 AND ASCE/SEI 7.
8. PROVIDE NEW BRANCH LINE RESTRAINTS FOR NEW AND EXISTING PIPING WITHIN AREA OF WORK IN ACCORDANCE WITH NFPA 13 AND ASCE/SEI 7.
9. SPRINKLER PIPING IN FINISHED AREAS SHALL BE CONCEALED FROM VIEW.
10. SPRINKLER AND PIPING LAYOUTS ARE CONCEPTUAL. THE CONTRACTOR SHALL VERIFY THE QUANTITY AND ARRANGEMENT OF SPRINKLERS. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE LOCATION OF SPRINKLER COMPONENTS RELATIVE TO PARTITIONS, SOFFITS, LIGHT FIXTURES, MECHANICAL DUCTWORK, STRUCTURAL MEMBERS, ARCHITECTURAL FEATURES, ETC., AND COORDINATE WITH THE VARIOUS TRADES.
11. PROVIDE APPROVED FIRESTOPPING MATERIAL IN PIPE PENETRATIONS THROUGH FIRE RATED WALLS AND FLOOR/CEILING ASSEMBLIES.
12. PROPER TYPES OF SPARE SPRINKLERS, STOPPERS, AND WRENCHES SHALL BE PROVIDED AND STORED IN A CABINET AT THE RISER AS FOLLOWS:

    A. SPRINKLERS:

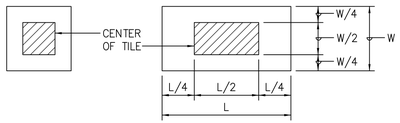
LESS THAN 300 SPRINKLERS	MINIMUM 6 SPARE SPRINKLERS
300 TO 1000 SPRINKLERS	MINIMUM 12 SPARE SPRINKLERS
MORE THAN 1000 SPRINKLERS	MINIMUM 24 SPARE SPRINKLERS

    B. THREE (3) SPRINKLER STOPPERS

    C. ONE (1) SPRINKLER WRENCH

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

13. FIRE SPRINKLERS SHALL BE PLACED APPROXIMATELY IN THE CENTER OF TILE UNLESS OTHERWISE INDICATED ON THE DRAWINGS. THE CENTER SHALL MEAN WITHIN THE CENTER 50% OF THE TILE AS SHOWN.

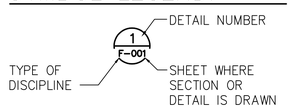


14. PROVIDE IN-SERVICE TESTING OF NEW AND EXISTING PIPING IN ACCORDANCE WITH NFPA 13.
15. FIRE SPRINKLER PIPING SHALL NOT BE ROUTED BELOW AIR HANDLING UNITS OR OBSTRUCT MAINTENANCE ACCESS. FIRE SPRINKLER PIPING NEAR ELECTRICAL EQUIPMENT SHALL BE LOCATED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
16. EXISTING FIRE SPRINKLER IS SUPERVISED BY THE EXISTING FIRE ALARM SYSTEM IN ACCORDANCE WITH 2006 IBC SECTION 903.4. NEW PRESSURE SWITCH AND VALVE TAMPER SWITCH SHALL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM IN ACCORDANCE WITH IBC 2006, CHAPTER 9 AS AMENDED.
17. THE EXISTING WATER METER IS ADEQUATE TO SERVICE THE AUTOMATIC FIRE SPRINKLER SYSTEM, INCLUSIVE OF THIS PROJECT'S SCOPE OF WORK.
18. FIRE SPRINKLER PIPING OR HANGERS SHALL NOT TOUCH OR BE USED TO SUPPORT NON-SYSTEM COMPONENTS (CONDUIT, CABLES, MECHANICAL DUCTWORK, CEILING GRID, ETC). NON-SYSTEM COMPONENTS TOUCHING OR SUPPORTED BY THE FIRE SPRINKLER SYSTEM SHALL BE REMOVED, REROUTED AND/OR INDEPENDENTLY SUPPORTED.

FIRE EXTINGUISHER NOTES

1. INSTALL FIRE EXTINGUISHERS AND CABINETS IN ACCORDANCE WITH NFPA 10 AND NFPA 1 UNIFORM FIRE CODE.
2. FIRE EXTINGUISHERS SHALL BE PROVIDED IN THE AREA OF WORK TO PROVIDE 100% COVERAGE.

SYMBOL LEGEND:



SECTION AND DETAIL SYMBOL

FIRE PROTECTION LEGEND & ABBREVIATIONS

SYMBOLS	ABBREVIATIONS	DESCRIPTION
	AFF	ABOVE FINISHED FLOOR
	EXST	EXST
FDC	FDC	FIRE DEPARTMENT CONNECTION, EXST
		FIRE DEPARTMENT CONNECTION, CHECK VALVE, EXST
⊗		FIRE EXTINGUISHER, BRACKET MOUNTED, MULTIPURPOSE DRY CHEMICAL, 4A:80B:C, EXST
FEC		FIRE EXTINGUISHER IN SEMI-RECESSED MOUNTED CABINET, MULTIPURPOSE DRY CHEMICAL, 2A:10B:C, NEW
●		FIRE SPRINKLER,CONCEALED-TYPE, WHITE, QUICK RESPONSE, NEW
		FIRE SPRINKLER, PENDENT WITH 2-PIECE ESCUTCHEON PLATE, QUICK RESPONSE, NEW
○		FIRE SPRINKLER, UPRIGHT, QUICK RESPONSE, EXST
		FIRE SPRINKLER SYSTEM, CONTROL VALVE, EXST
		FIRE SPRINKLER SYSTEM, OS&Y GATE VALVE, EXST
	FS	FIRE SPRINKLER SYSTEM, PIPING, EXST
	FS	FIRE SPRINKLER SYSTEM, PIPING, EXST
PS		FIRE SPRINKLER SYSTEM, PRESSURE SWITCH, EXST
	FSR	FIRE SPRINKLER SYSTEM, RISER, EXST
TS		FIRE SPRINKLER SYSTEM, TAMPER SWITCH, EXST
		MATERIALS TO BE DEMOLISHED
	NO/NC	NORMALLY OPEN/NORMALLY CLOSE
		PIPE CAP
		PIPE ELBOW DOWN
		PIPE PLUG
	CONT	PIPE CONTINUATION
	UP/DN	PIPE UP/DOWN
		PIPE TEE DOWN
	POC	POINT OF CONNECTION
	TYP	TYPICAL
Wx		WATER LINE WITH SIZE DESIGNATION, EXST

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ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

ERSKINE ARCHITECTS, INC.
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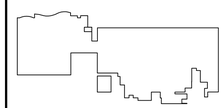
KEYPLAN:

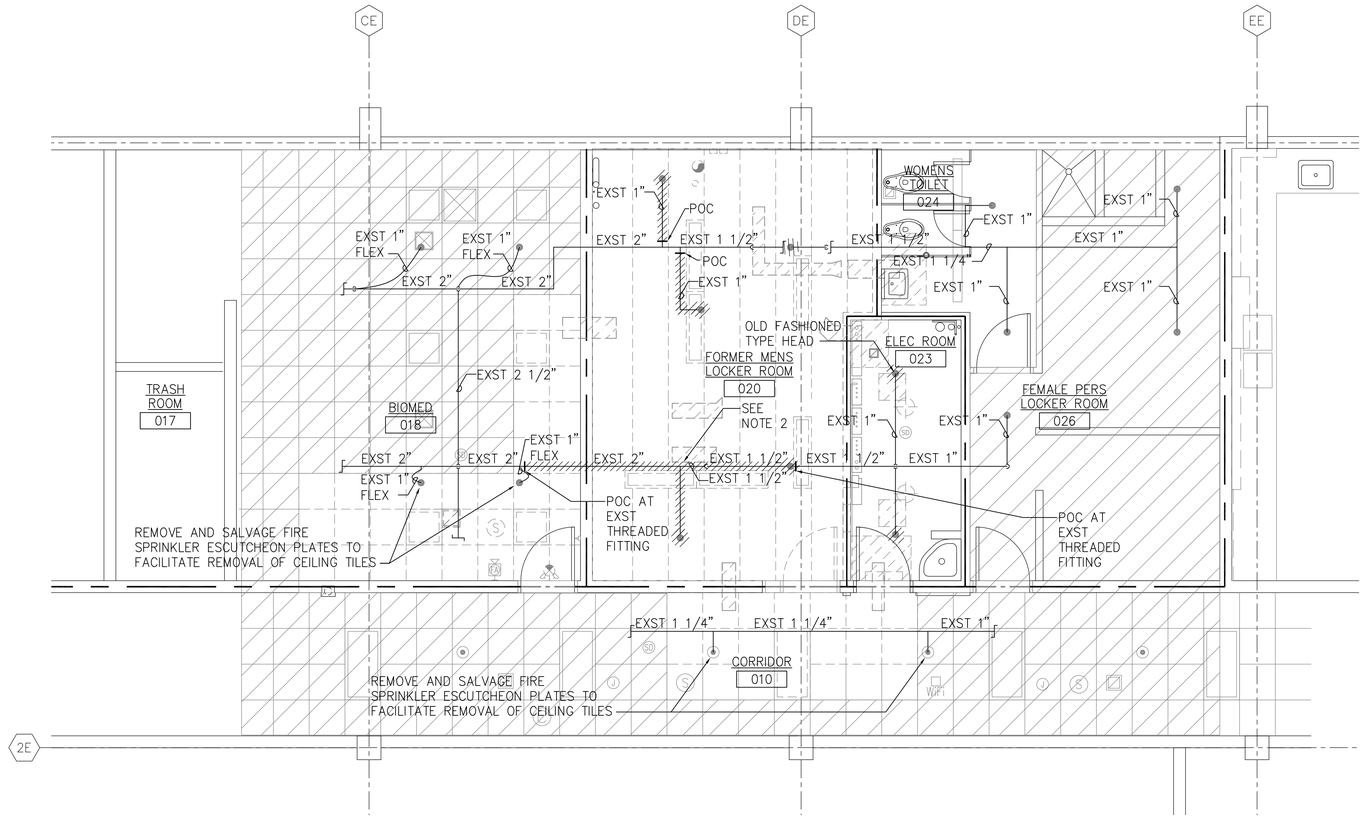


CAREY S. NAKAGAWA
LICENSED PROFESSIONAL ENGINEER
No. 16319-M
HAWAII, U.S.A.
THIS LICENSE EXPIRES APRIL 30, 2022
SIGNATURE

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).

BUILDING: -

PROJECT NO.	19-16.2	
DRAWING	DRAWN BY:	TEC
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	FIRE PROTECTION NOTES, LEGEND AND ABBREVIATIONS
	NUMBER:	F01



FORMER MENS LOCKER ROOM DEMOLITION FIRE PROTECTION PLAN

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

NOTES:

1. FIRE SPRINKLERS ONLY SHOWN IN AREA OF WORK.
2. DEMOLISH PORTION OF BRANCH LINE AS INDICATED TO ACCOMMODATE NEW MECHANICAL FAN COIL UNIT.

LEGEND:

1 HOUR FIRE RATED BARRIER

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

GRAPHIC SCALE

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

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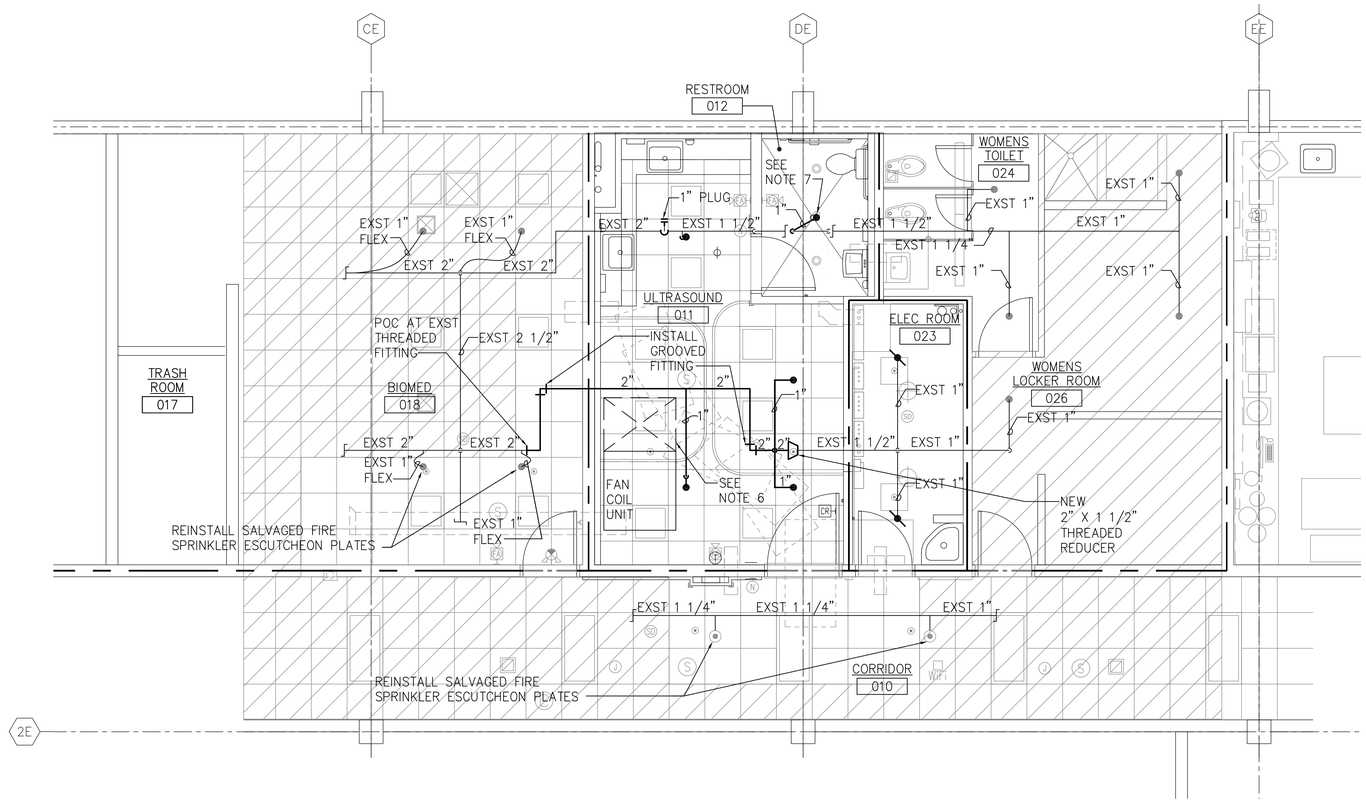
BUILDING	-
PROJECT NO.	19-16.2
DRAWN BY:	TEC
DATE:	FEBRUARY 2022
SCALE:	AS SHOWN
DRAWING TITLE:	FORMER MENS LOCKER ROOM DEMOLITION FIRE PROTECTION PLAN
NUMBER:	F02



ULTRASOUND FIRE PROTECTION PLAN

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

NOTES:

1. FIRE SPRINKLERS ONLY SHOWN IN AREA OF WORK.
2. PROVIDE HANGERS IN ACCORDANCE WITH NFPA 13, SEE DETAIL 1/F04
3. PROVIDE BRANCH LINE RESTRAINTS ON NEW AND EXISTING BRANCH LINES IN THE AREA OF WORK IN ACCORDANCE WITH NFPA 13, SEE DETAIL 2/F04
4. PROVIDE LATERAL AND LONGITUDINAL SWAY BRACING ON NEW AND EXISTING PIPING IN THE AREA OF WORK IN ACCORDANCE WITH NFPA 13, SEE DETAILS 3/F04 4/F04
5. PROVIDE A UL LISTED THROUGH PENETRATION FIRE STOP SYSTEM FOR FIRE RATED WALLS. FOR ALL NEW AND EXISTING PENETRATIONS, SEE DETAIL 5/F04
6. REROUTE FIRE SPRINKLER BRANCH LINE PIPING TO ACCOMMODATE NEW FAN COIL UNIT, COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION. ROUTE PIPING TO AVOID MAINTENANCE ACCESS IN FRONT OF UNIT, SHOWN AS A DASHED BOX.
7. ALIGN FIRE SPRINKLER WITH LIGHT FIXTURES IN GYPSUM BOARD CEILING.

LEGEND:

1 HOUR FIRE RATED BARRIER

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

GRAPHIC SCALE

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

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KEYPLAN:

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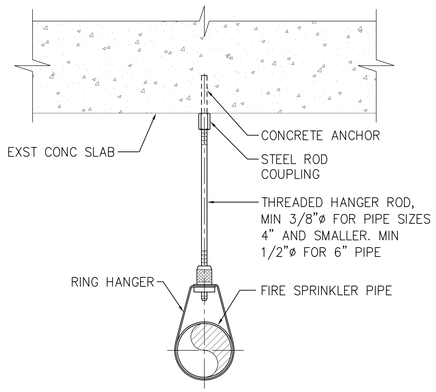
BUILDING: -

DRAWING		
PROJECT NO.		19-16.2
	DRAWN BY:	TEC
	DATE:	FEBRUARY 2022
	SCALE:	AS SHOWN
	TITLE:	ULTRASOUND FIRE PROTECTION PLAN
	NUMBER:	**F03**

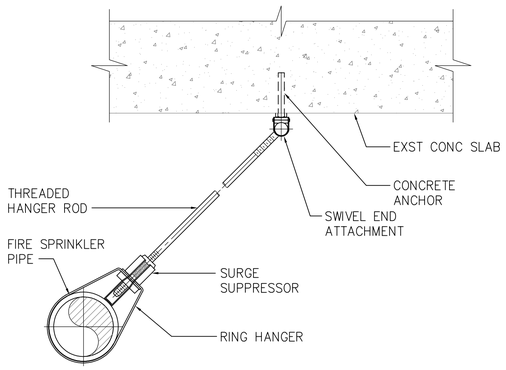


NOTES:

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.

1 F04 TYPICAL ADJUSTABLE RING HANGER DETAIL

SCALE: NONE

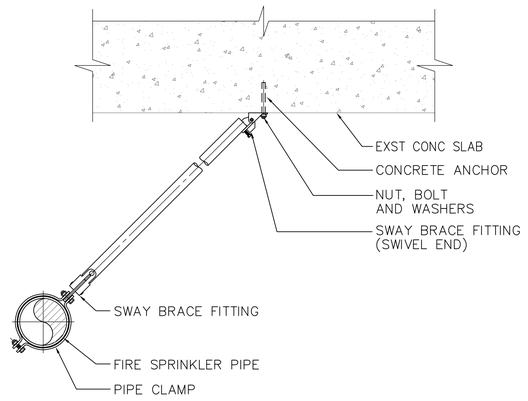


NOTES:

1. BRANCH LINE RESTRAINT 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.

2 F04 TYPICAL BRANCH LINE RESTRAINT DETAIL

SCALE: NONE

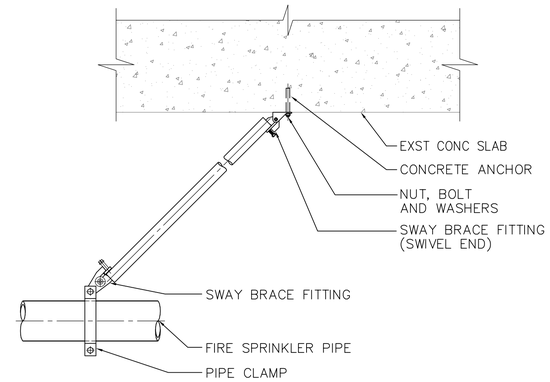


NOTES:

1. SWAY BRACING 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.
3. SWAY BRACING CALCULATIONS SHALL UTILIZE MINIMUM SEISMIC COEFFICIENT VALUE (Cp) OF 1.07 BASED ON A SPECTRAL RESPONSE (Ss) OF 2.31 PER NFPA 13 (2013) TABLE 9.3.5.9.3 AND PARAGRAPH 9.3.5.9.3.2

3 F04 TYPICAL LATERAL SWAY BRACE DETAIL

SCALE: NONE

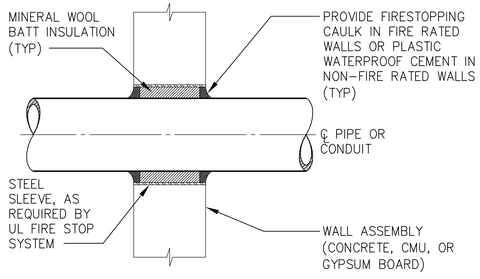


NOTES:

1. SWAY BRACING 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.
3. SWAY BRACING CALCULATIONS SHALL UTILIZE MINIMUM SEISMIC COEFFICIENT VALUE (Cp) OF 1.07 BASED ON A SPECTRAL RESPONSE (Ss) OF 2.31 PER NFPA 13 (2013) TABLE 9.3.5.9.3 AND PARAGRAPH 9.3.5.9.3.2

4 F04 TYPICAL LONGITUDINAL SWAY BRACE DETAIL

SCALE: NONE

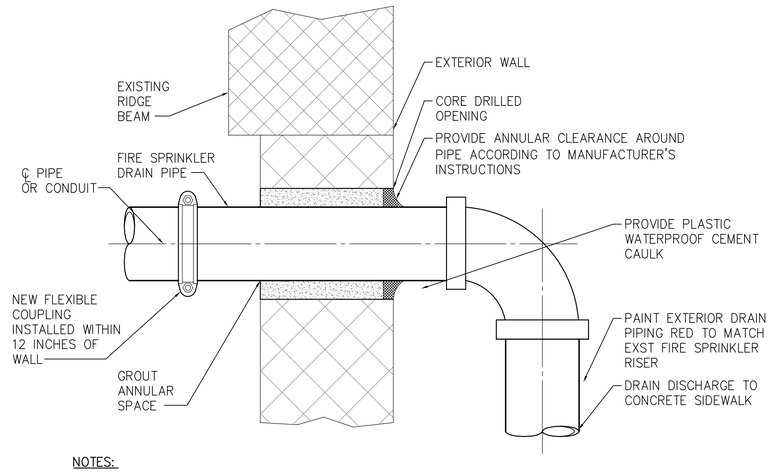


NOTES:

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.

5 F04 TYPICAL PIPE AND CONDUIT THRU WALL DETAIL

SCALE: NONE

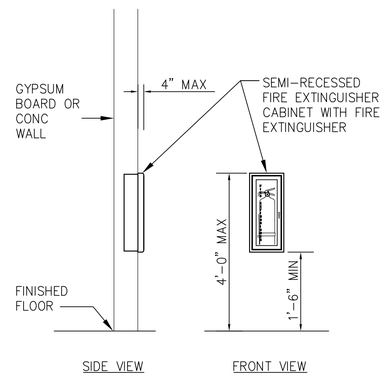


NOTES:

1. CONTRACTOR SHALL PROVIDE A UL LISTED THROUGH PENETRATION FIRE STOP SYSTEM OR BUILDING CODE EQUIVALENT FOR FIRE RATED BARRIERS, WHERE REQUIRED.
2. PROVIDE SPRINKLER PIPE CLEARANCES IN ACCORDANCE WITH NFPA 13.

6 F04 TYPICAL PIPE PENETRATION THROUGH EXTERIOR WALL DETAIL

SCALE: NONE



7 F04 FIRE EXTINGUISHER AND CABINET INSTALLATION DETAIL

SCALE: NONE

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ADDRESS

NEW ULTRASOUND ROOM AND MISCELLANEOUS REPAIRS

NO.	REVISION	DATE

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KEYPLAN:

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THIS LICENSE EXPIRES APRIL 30, 2022
SIGNATURE

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).

BUILDING: -

DRAWING		
PROJECT NO.		19-16.2
DRAWN BY:		TEC
DATE:		FEBRUARY 2022
SCALE:		AS SHOWN
TITLE:		FIRE PROTECTION DETAILS
NUMBER:		F04