



HAWAII HEALTH SYSTEMS CORPORATION  
KAUAI REGION

ADDENDUM #4

November 1, 2021

TO: Potential Offerors  
FROM: Cora Shirai, Contract Manager  
RE: Solicitation Addendum #4 to RFP #22-01/Imaging Department Renovation

This correspondence serves as Addendum #4 to the subject Request for Proposals (“RFP”). Your response to this RFP should be governed by the content of the original RFP and the revisions/corrections/additions/clarifications provided in this addendum notice.

See G70 Addendum 3 (attached) for KVMH and SMMH Imaging Department Renovations. Changes include adding supports for the chest stands at the x-ray rooms and clarifying the dimming devices for lights.



# LETTER OF TRANSMITTAL

111 S. King Street  
 Suite 170  
 Honolulu, HI 96813  
 808.523.5866  
 www.g70.design

<b>TO:</b>	Hawaii Health Systems Corporation – Kauai Division	<b>DATE:</b>	10/29/21
<b>ATTENTION:</b>	John Pimental		
<b>PROJECT:</b>	KVMH Imaging Department Renovations	<b>PROJECT NO.:</b>	220038-01
<b>SUBJECT:</b>	KVMH CT Addendum 3	<b>NO. OF PAGES:</b>	3
<b>EMAIL/FAX::</b>	jopimental@hhsc.org	<b>WE ARE SENDING:</b>	<input checked="" type="checkbox"/> ATTACHED <input type="checkbox"/> UNDER SEPARATE
<b>THE FOLLOWING ITEMS:</b>	<input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> COPY <input type="checkbox"/> E-MAIL <input type="checkbox"/> FAX <input type="checkbox"/> PRINTS <input type="checkbox"/> SHOP DWGS <input checked="" type="checkbox"/> SPECIFICATIONS <input type="checkbox"/> CHANGE ORDERS <input type="checkbox"/> LETTER <input type="checkbox"/> DOCUMENT <input type="checkbox"/> FILES <input type="checkbox"/> OTHER		
<b>TRANSMITTED AS CHECKED:</b>		<input type="checkbox"/> FOR APPROVAL <input checked="" type="checkbox"/> FOR YOUR USE <input checked="" type="checkbox"/> AS REQUESTED <input type="checkbox"/> FOR REVIEW AND COMMENT	
<b>COPIES</b>	<b>DATE</b>	<b>NO.</b>	<b>DESCRIPTION</b>
1	10/29/21	1	KVMH CT Addendum 3 Narrative
1	10/29/21	2	KVMH CT Addendum 3 Drawings



# ADDENDUM

**003**

111 S. King Street  
Suite 170  
Honolulu, HI 96813  
808.523.5866  
www.g70.design

*In reference to the  
bid documents for Project:*

<b>PROJECT NAME:</b> KVMH IMAGING DEPARTMENT RENOVATION		<b>DATE OF ISSUANCE:</b> 10/29/21	
<b>PROJECT NO:</b> 220038-01		<b>ISSUED BY:</b> G70	
<b>NO. OF PAGES DWG:</b> 2	<b>NO. OF PAGES SPECS:</b> 0	<b>NO. OF PAGES NARRATIVE:</b> 1	<b>TOTAL NO. OF PAGES:</b> 3

Holders of Bidding Documents Dated **08/16/21** for the subject Project are hereby informed that these documents are modified as noted in the ADDENDUM, and that all conditions not modified hereby remain unchanged. Modifications in this ADDENDUM are noted with the following Delta Numbers:

<b>DELTA NO:</b> 3	<b>DATE:</b> 10/29/21	<b>DESCRIPTION:</b> ADDENDUM 3
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**G70**

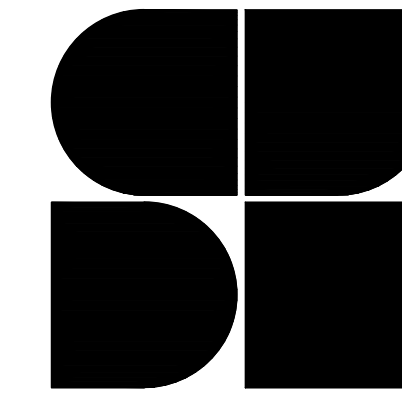
## DRAWINGS:

### STRUCTURAL

Drawing No.	Delta No.	Description
S201	3	Added details
S202	3	Added details

**-END OF ADD-003-**



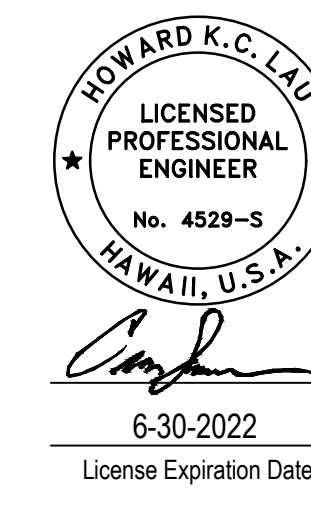


SHIGEMURA, LAU, SAKANASHI,  
HIGUCHI AND ASSOCIATES, INC.  
Structural Engineering Consultants  
1916 Young Street, 2nd Floor  
Honolulu, Hawaii 96826  
T: (808) 942-9100 Email: slsh@slshinc.com

REVISIONS		Description
#	Date	
3	10-29-2021	ADDED DETAILS

**CONSTRUCTION/ BID DOCUMENTS**  
08/16/21

This work was prepared by me or under my supervision and construction of this project will be under my observation  
Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.



PROJECT TITLE

**HHSC KAUAI**

**KVMH IMAGING DEPARTMENT RENOVATIONS**

FILENAME:

DRAWING TITLE  
**PARTIAL EXISTING ROOF FRAMING PLAN**

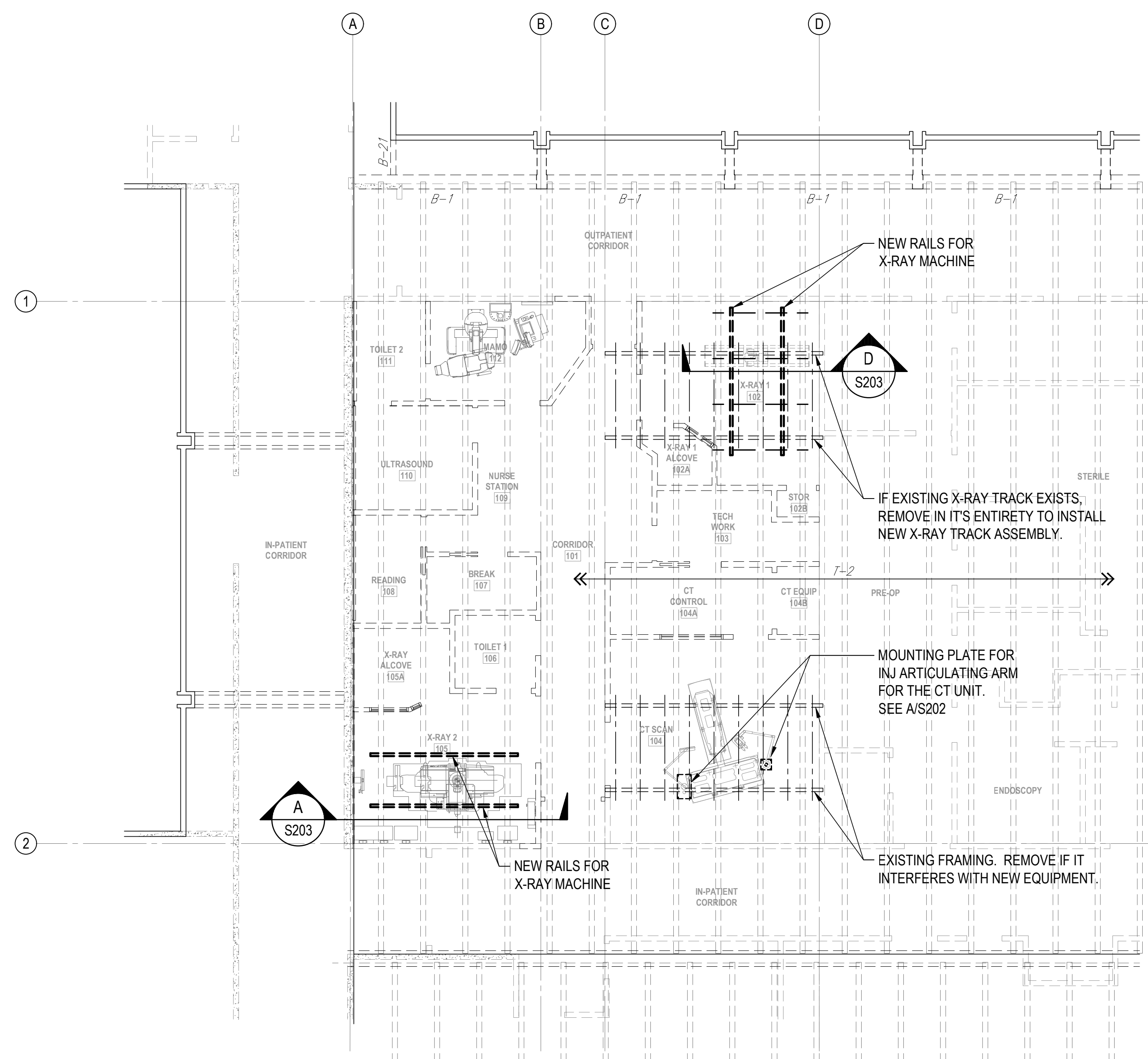
SCALE: AS NOTED

DRAWN BY: <b>M.M.</b>	CHECKED BY: <b>H.L.</b>
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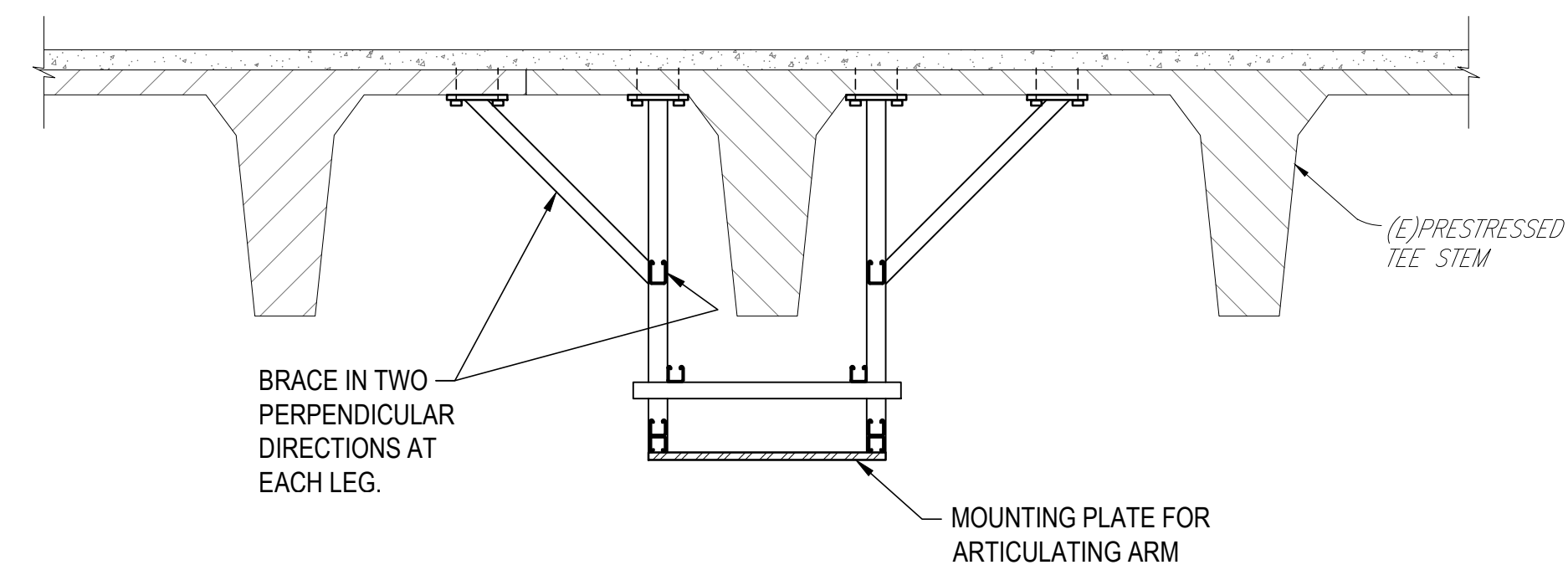
PROJECT NO. <b>220038-01</b>	DRAWING NO.
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SHEET ISSUE DATE:  
1/20/21

**S202**

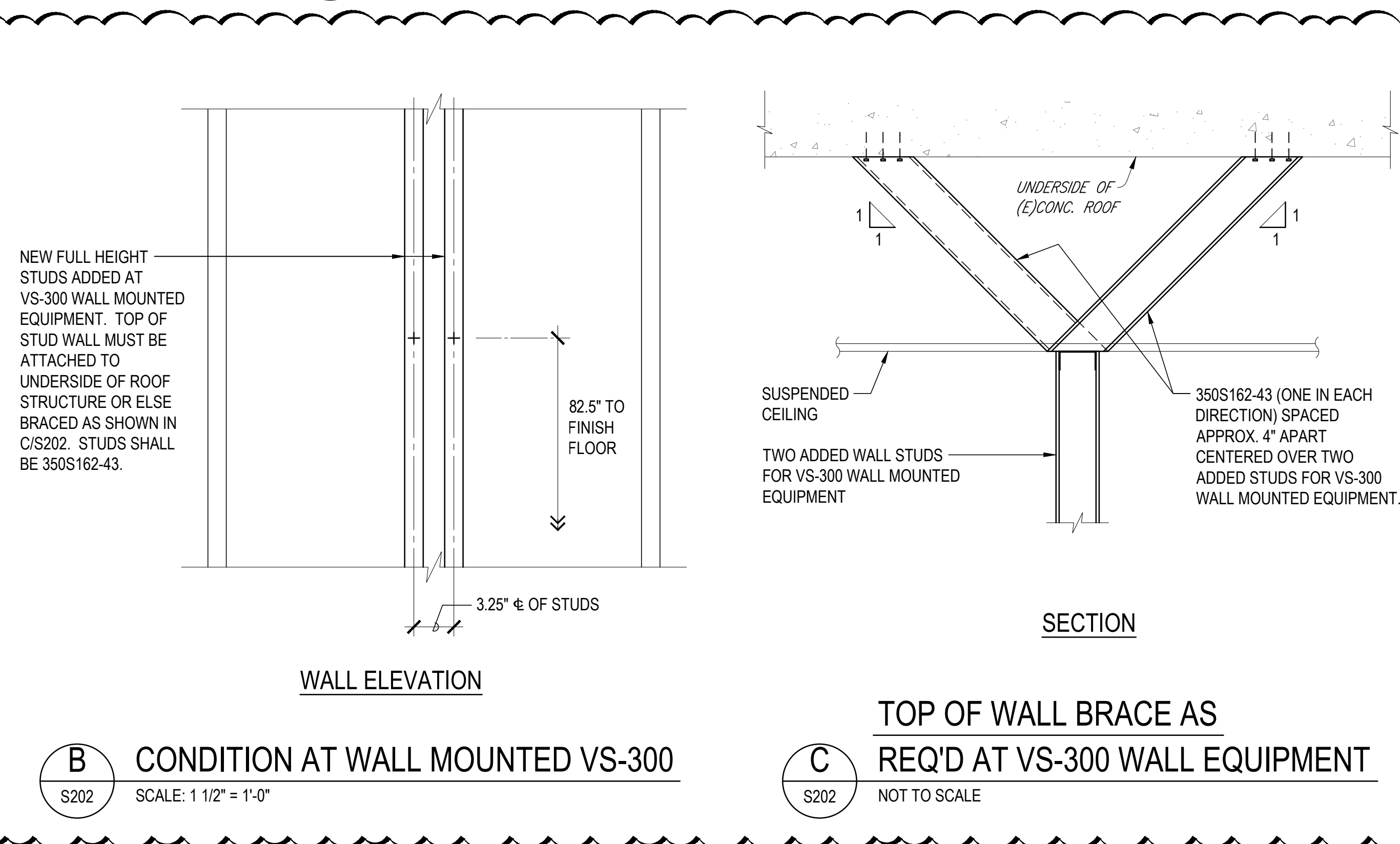


**1 PARTIAL EXISTING ROOF FRAMING PLAN**  
S202 SCALE: 1/8" = 1'-0"



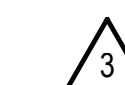
NOTE:  
SEE NOTE "SUSPENDED FRAMING TO SUPPORT RAILS OF X-RAY AND CT EQUIPMENT" ON SHEET S101.

**A ARTICULATING ARM MOUNT FRAMING (CONCEPTUAL)**  
S202 SCALE: 3/4" = 1'-0"

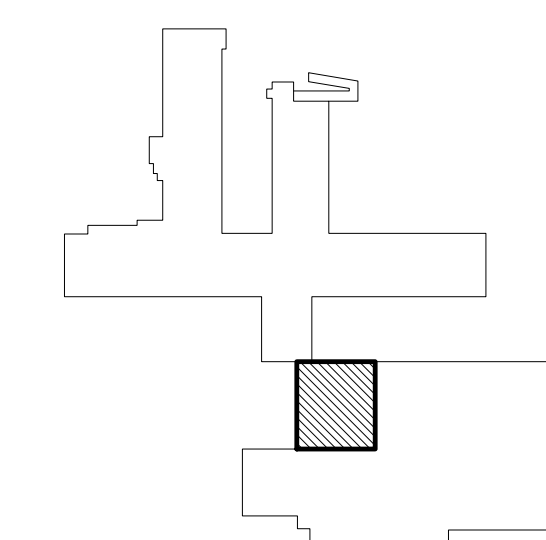
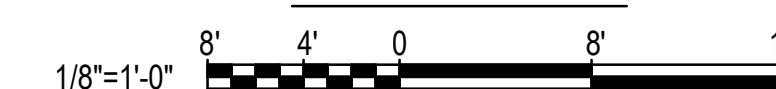


**B CONDITION AT WALL MOUNTED VS-300**  
S202 SCALE: 1 1/2" = 1'-0"

**C TOP OF WALL BRACE AS REQ'D AT VS-300 WALL EQUIPMENT**  
S202 NOT TO SCALE



GRAPHIC SCALE



KEY PLAN  
NOT TO SCALE



# LETTER OF TRANSMITTAL

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<b>TO:</b>	Hawaii Health Systems Corporation – Kauai Division	<b>DATE:</b>	10/29/21
<b>ATTENTION:</b>	John Pimental		
<b>PROJECT:</b>	SMMH Imaging Department Renovations	<b>PROJECT NO.:</b>	220038-01
<b>SUBJECT:</b>	SMMH CT Addendum 3	<b>NO. OF PAGES:</b>	11
<b>EMAIL/FAX::</b>	jopimental@hhsc.org	<b>WE ARE SENDING:</b>	<input checked="" type="checkbox"/> ATTACHED <input type="checkbox"/> UNDER SEPARATE
<b>THE FOLLOWING ITEMS:</b>	<input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> COPY <input type="checkbox"/> E-MAIL <input type="checkbox"/> FAX <input type="checkbox"/> PRINTS <input type="checkbox"/> SHOP DWGS <input checked="" type="checkbox"/> SPECIFICATIONS <input type="checkbox"/> CHANGE ORDERS <input type="checkbox"/> LETTER <input type="checkbox"/> DOCUMENT <input type="checkbox"/> FILES <input type="checkbox"/> OTHER		
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1	10/29/21	1	SMMH CT Addendum 3 Narrative
1	10/29/21	2	SMMH CT Addendum 3 Drawings



# ADDENDUM

**003**

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<b>PROJECT NO:</b> 220038-01		<b>ISSUED BY:</b> G70	
<b>NO. OF PAGES DWG:</b> 10	<b>NO. OF PAGES SPECS:</b> 0	<b>NO. OF PAGES NARRATIVE:</b> 1	<b>TOTAL NO. OF PAGES:</b> 11

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3	10/29/21	Addendum 3

**G70**

## DRAWINGS:

### STRUCTURAL

Drawing No.	Delta No.	Description
S201	3	Added details
S204	3	Added details

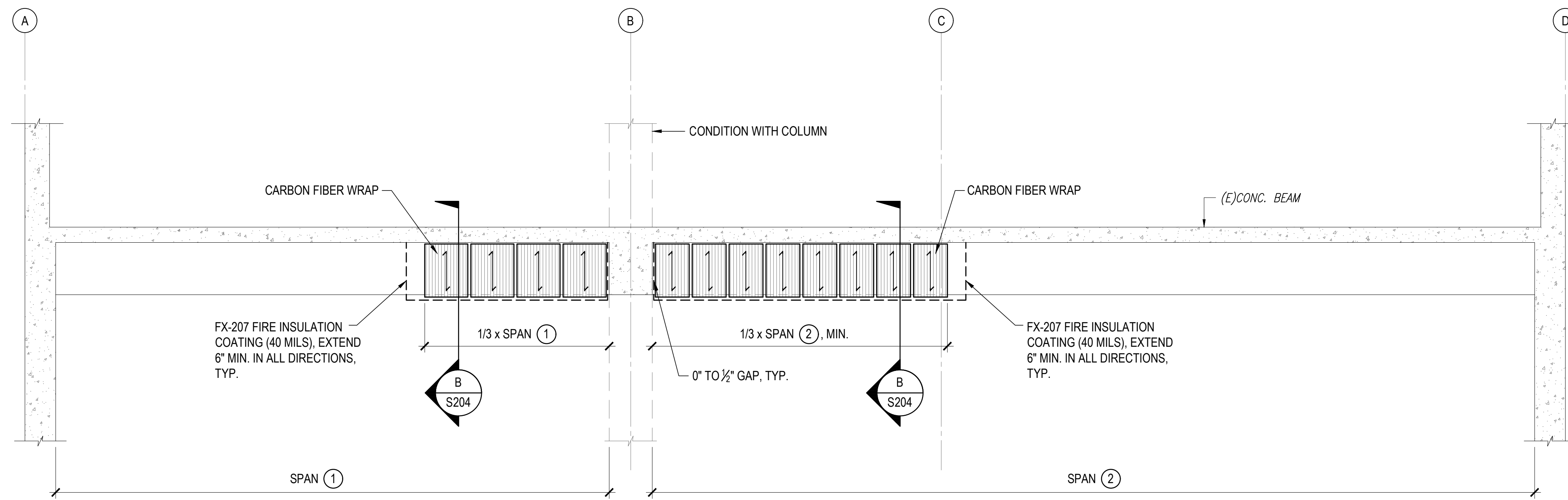
### ELECTRICAL

Drawing No.	Delta No.	Description
E-001	3	Added energy code stamp
E-002	3	Added to symbol list
E-113	3	Revised plan
E-114	3	Revised plan
E-115	3	Revised plan
E-116	3	Revised plan
E-402	3	Revised diagram
E-403	3	Added sheet

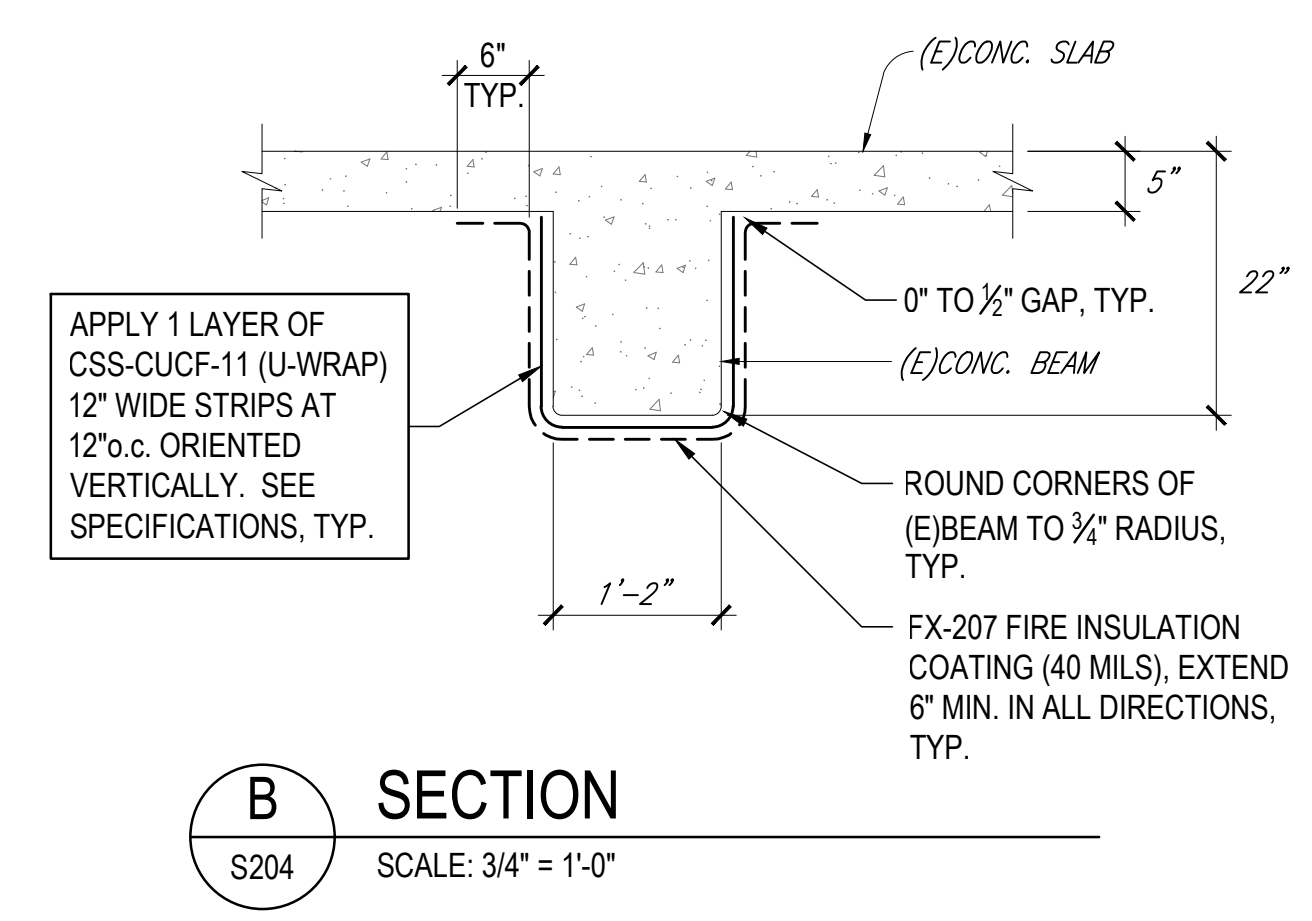
**-END OF ADD-003-**



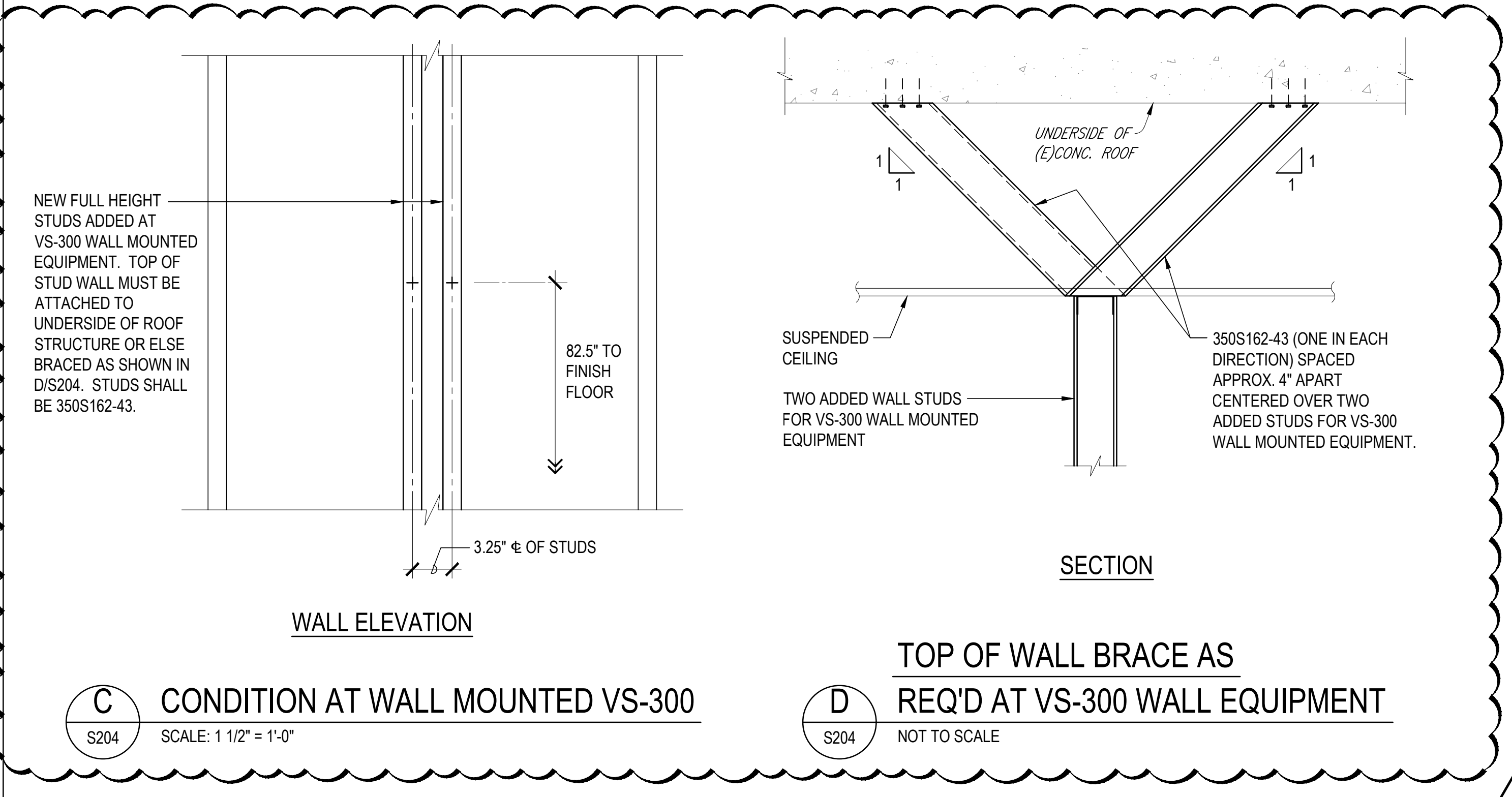




**A** ELEVATION OF EXISTING CONCRETE BEAM ALONG GRIDLINES 1.5 & 2  
S204 SCALE: 1/2" = 1'-0"



**B** SECTION  
S204 SCALE: 3/4" = 1'-0"



**C** CONDITION AT WALL MOUNTED VS-300  
S204 SCALE: 1 1/2" = 1'-0"

**D** TOP OF WALL BRACE AS REQ'D AT VS-300 WALL EQUIPMENT  
S204 NOT TO SCALE

**SHIGEMURA, LAU, SAKANASHI, HIGUCHI AND ASSOCIATES, INC.**  
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T: (808) 942-9100 Email: slsh@slshinc.com

REVISIONS		
#	Date	Description
3	10-29-2021	ADDED DETAILS

**CONSTRUCTION/ BID DOCUMENTS**  
08/16/21

This work was prepared by me or under my supervision and construction of this project will be under my observation.

Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

**CRAIG H. SAKANASHI**  
LICENSED PROFESSIONAL ENGINEER  
No. 5509-S  
HAWAII, U.S.A.  
4-30-2022  
License Expiration Date

PROJECT TITLE

**HHSC KAUAI**

**SMMH IMAGING DEPARTMENT RENOVATIONS**

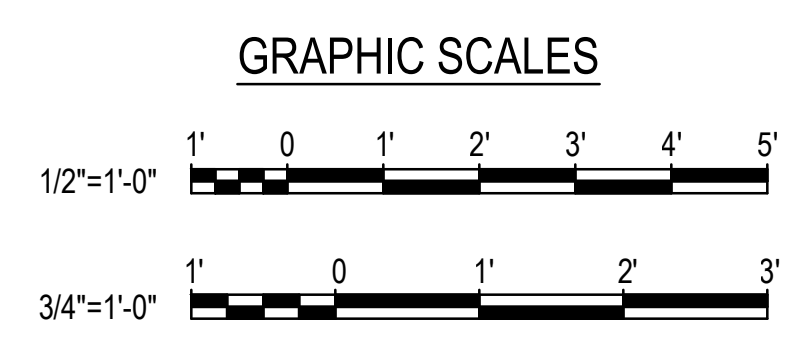
FILENAME:

DRAWING TITLE

**EXISTING BEAM RETROFIT**

SCALE: AS NOTED

DRAWN BY:	CHECKED BY:
M.M.	H.L.
PROJECT NO.	DRAWING NO.
220038-01	<b>S204</b>
SHEET ISSUE DATE:	
3/30/2021	

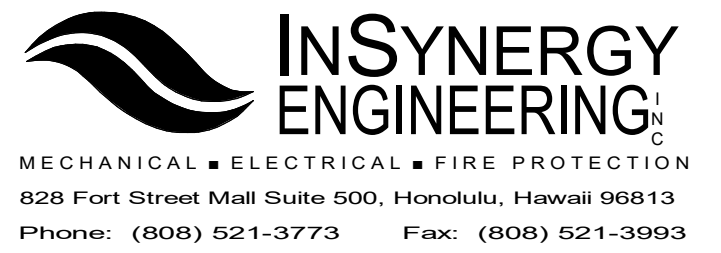


P:\25\_05\_07\_01 - 10548 - 10548.dwg  
 C:\2020\200007\_Kauai - Smm Mahaloona Memorial Hospital - CT Scan Room\CAD\_Files\S201.dwg

ELECTRICAL GENERAL NOTES

- ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS IS NEW UNLESS OTHERWISE NOTED. ALL MATERIALS SHALL BE NEW AND "LISTED" OR "LABELED" AS DEFINED BY THE NATIONAL ELECTRIC CODE (NEC). WORK INCLUDES INSTALLATION OF ALL ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL AS LIMITED BY THE INTENT OF THE CONTRACT DOCUMENTS.
- ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC), NATIONAL ELECTRIC SAFETY CODE AND BUILDING ORDINANCES OF THE COUNTY OF KAUAI. CONSTRUCTION PRACTICES SHALL CONFORM TO THE LATEST EDITION OF AMERICAN ELECTRICIANS' HANDBOOK BY CROFT, AND APPLICABLE INSTRUCTIONS OF MANUFACTURERS OF EQUIPMENT AND MATERIAL SUPPLIED FOR THIS PROJECT.
- OBTAIN AND PAY FOR BUILDING / ELECTRICAL PERMIT, ARRANGE FOR PERIODIC INSPECTION BY LOCAL AUTHORITIES, AND DELIVER CERTIFICATE OF FINAL INSPECTION THE THE OWNER.
- SEC. 18-5.2 RETENTION OF PLANS: ONE SET OF APPROVED PLANS, SPECIFICATIONS, AND COMPUTATIONS SHALL BE RETAINED BY THE BUILDING OFFICIAL FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM DATE OF COMPLETION OF THE WORK COVERED THEREIN, AND ONE SET OF APPROVED PLANS SHALL BE RETURNED TO THE APPLICANT, AND SAID SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS. (SEC. 18-5.2 R.0 1978 (1983 ED.); AM. ORD. 93-59).
- 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 NFPA 1 2012, AS AMENDED.
- FIRE SAFETY DURING ALTERATION :
  - 16.4.4.1 WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.
  - 16.4.4.2 WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF THE FIRE PROTECTION SYSTEM, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND THE FIRE DEPARTMENT SHALL BE NOTIFIED.
  - 16.4.4.3 WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE.
  - 10.8.1.1 AS NECESSARY DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE-EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE-WARNING SYSTEM SHALL BE PERMITTED TO BE MADE INOPERATIVE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN SECTIONS 13.3.3.6.5.2(4)(b), 13.7.1.4.4, 16.5.4, 34.6.3.3, 41.2.2.6, 41.2.2.7, 41.2.4, 41.3.5, 41.4.1, 34.5.4.3, AND 25.1.8 AT NO COST TO THE AHJ. NFPA 1 2012, AS AMENDED.
- THE DRAWINGS DO NOT REFLECT ALL THE EXISTING CONDITIONS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. VISIT THE PROJECT SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS, THE EXTENT OF ANY DEMOLITION, RELOCATION, RECONNECTION, AND THE NEW WORK PRIOR TO THE START OF ON-SITE CONSTRUCTION ACTIVITIES. REPORT ANY DISCREPANCIES AND/OR DIFFERENCES BETWEEN THE EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS TO THE ARCHITECT. RESOLVE ALL DISCREPANCIES AND QUESTIONS PRIOR TO THE START OF WORK. BID SUBMISSION SHALL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE AND RESOLVED ALL DISCREPANCIES AND QUESTIONS AND NO EXTRA PAYMENT WILL BE AUTHORIZED FOR WORK REQUIRED BY THE CONTRACTOR'S FAILURE TO DO SO.
- COORDINATE ALL ELECTRICAL WORK WITH THE WORK OF THE OTHER TRADES AND SCHEDULE WORK TO MINIMIZE THE NUMBER AND DURATION OF ELECTRICAL OUTAGES AND IMPACT TO THE OPERATIONS IN OR ADJACENT TO THE PROJECT AREA. COORDINATE ACCESS TO THE PROJECT AREA AND SCHEDULE ALL REQUIRED SYSTEM OUTAGES WITH THE OWNER.
- VERIFY AND COORDINATE ALL PENETRATIONS WITH THE STRUCTURAL AND ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. OBTAIN APPROVAL BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS OR FIRE RATED WALLS AND CEILINGS.
- SCAN (E.G. X-RAY, ELECTROMAGNETIC, ETC.) ALL CONCRETE WALLS OR FLOOR STRUCTURES PRIOR TO COMMENCING WITH CORING/DRILLING WORK FOR PENETRATIONS TO AVOID DAMAGING THE EXISTING REINFORCING STEEL.
- COORDINATE AND PROVIDE ACCESS PANELS FOR ALL CONCEALED ELECTRICAL EQUIPMENT, DEVICES, BOXES AND CONDUIT BODIES SO THAT THEY ARE ACCESSIBLE.
- EXISTING DEVICE AND EQUIPMENT LOCATIONS, CIRCUIT ASSIGNMENTS, WIRING CONNECTIONS, AND CONDUIT RUNS INDICATED WERE DERIVED FROM AVAILABLE REFERENCE DOCUMENTS AND LIMITED FIELD INVESTIGATION. FIELD VERIFY ALL EXISTING CONDITIONS AND MAKE ANY NECESSARY ADJUSTMENTS TO SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- RE-ROUTE ALL EXISTING CONDUIT, WIRING AND CABLING TO REMAIN WITHIN THE PROJECT AREA AS NECESSARY TO FACILITATE THE REMOVAL OF EXISTING EQUIPMENT AS WELL AS THE INSTALLATION OF ALL NEW EQUIPMENT. REMOVE AND RE-INSTALL ELECTRICAL EQUIPMENT, INCLUDING LIGHTS, TO REMAIN AS REQUIRED.
- WORK INCIDENTAL TO THE CONTRACT AND NECESSARY TO COMPLETE THE PROJECT, ALTHOUGH NOT SPECIFICALLY REFERRED TO IN THE CONTRACT DOCUMENTS, SHALL BE FURNISHED AND PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. AN EXAMPLE OF SUCH INCIDENTAL WORK ARE JUNCTION BOXES AND PULL BOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT. ALL INCIDENTAL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL CONDUIT AND WIRING FOR THE POWER CONNECTION TO ALL EQUIPMENT AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS. ALL INCIDENTAL CONDUIT AND WIRING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM MAY NOT BE SHOWN IN THE DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL COORDINATE INCIDENTAL CONDUIT AND WIRING REQUIREMENTS BETWEEN ALL TRADES TO ENSURE THE INCIDENTAL CONDUIT AND WIRING IS PROVIDED AND THE AFFECTED SYSTEMS OPERATE AS INTENDED.
- THE LOCATION OF THE ELECTRICAL APPARATUS AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND BEFORE INSTALLING, STUDY THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DETAILS AND MAKE INSTALLATION IN THE MOST LOGICAL MANNER. CIRCUIT ROUTING IS TYPICAL AND MAY BE VARIED IN ANY MANNER. ANY PIECE OF EQUIPMENT/DEVICE MAY BE RELOCATED WITHIN 10' BEFORE INSTALLATION AT THE DIRECTION OF THE ARCHITECT WITHOUT ADDITIONAL CHARGE TO THE PROJECT.
- SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF THE PROJECT'S WORK, THE CONTRACTOR SHALL MARK SUCH CHANGES ON THE AS-BUILT DRAWINGS. IF THESE CHANGES REQUIRE AN ALTERNATE METHOD TO THOSE SPECIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT DRAWINGS TO REFLECT THE PROPOSED ALTERNATE METHODS TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED. REARRANGEMENT OF WORK FOR THE PURPOSE OF COORDINATION SHALL NOT BE CONSIDERED AN ITEM FOR EXTRA COST.
- DISCONNECT AND REMOVE ALL ELECTRICAL APPARATUS, LIGHT FIXTURES, WIRING DEVICES, JUNCTION BOXES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING IN THE PROJECT AREA, UNLESS OTHERWISE NOTED. THE DEMOLITION DRAWINGS ARE INTENDED TO SHOW THE GENERAL LIMITS OF THE SCOPE OF WORK AND MAY NOT SHOW ALL THE EXISTING DEVICES, CONDUIT RUNS, ETC. FEEDER AND BRANCH CIRCUIT WIRING TO BE REMOVED SHALL BE DISCONNECTED FROM ITS SOURCE. REMOVE ALL CONDUCTORS AND CONDUIT AND CONDUIT SUPPORT STRUCTURES WHERE ACCESSIBLE. PATCH/REPAIR WALL, FLOOR AND CEILING DAMAGES AS A RESULT OF THE REMOVAL WORK.
- THE EXISTING ELECTRICAL, TELECOM, FIRE ALARM, AND OTHER ELECTRICALLY-RELATED SYSTEMS IN AREAS ADJACENT TO, OUTSIDE OF, AND/OR OTHERWISE PASSING THROUGH THE PROJECT LIMITS, MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION PERIOD AND POST-CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION WHEN WORKING NEAR ANY EXISTING EQUIPMENT, DEVICES, OR CABLING/CIRCUITING. PROVIDE NEW JUNCTION BOXES, CONDUITS & WIRING, AND THE LABOR REQUIRED TO FACILITATE THE REQUIRED OPERATIONAL CONTINUITY. BOXES, CONDUITS AND WIRING SHALL BE IN ACCORDANCE WITH THE NEC. ANY DAMAGE TO THE EXISTING EQUIPMENT, DEVICES OR CABLING/CIRCUITING RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR OTHERWISE RESTORED TO ITS ORIGINAL WORKING CONDITION AT NO ADDITIONAL COST TO THE PROJECT.
- THE ELECTRICAL DRAWINGS ARE BASED ON PROPOSED EQUIPMENT. VERIFY ALL SYSTEM REQUIREMENTS (ELECTRICAL, MECHANICAL, FIRE ALARM, SPECIALTY SYSTEMS, ETC.) WITH THE SELECTED SYSTEM'S MANUFACTURER OR AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WITH ANY WORK. COORDINATE RATINGS OF OVERCURRENT PROTECTION DEVICES, DISCONNECT SWITCHES, CONDUIT & WIRING TO MATCH THE ACTUAL EQUIPMENT SUPPLIED FOR THE PROJECT. CORRECT ALL DISCREPANCIES SO AS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. RECORD CHANGES ON THE AS-BUILT DRAWINGS.
- ALL EQUIPMENT AND APPARATUS SHALL BE CAPABLE OF FITTING IN THE SPACES SHOWN WHILE MEETING THE MANUFACTURER'S RECOMMENDED ACCESS REQUIREMENTS AND APPLICABLE CODE REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT IS TO BE INSTALLED PRIOR TO ORDERING OF EQUIPMENT AND NOTIFY THE ARCHITECT OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT.
- CONFIRM THE TYPE OF CEILING BEING INSTALLED PRIOR TO ORDERING LUMINAIRES AND TRIMS FOR PROPER COORDINATION. LUMINAIRES INDICATED MAY NOT EXPRESSLY CONFIRM TYPE OF CEILING OR OPENING PROVIDED BY OTHER TRADES.
- CONCEAL ALL CONDUIT; EXPOSED CONDUITS ARE PERMITTED ONLY WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. ALL EXPOSED CONDUITS IN FINISHED AREAS SHALL BE INSTALLED IN THE LEAST VISIBLE LOCATIONS. CARE SHALL BE TAKEN TO INSTALL CONDUIT IN THE MOST AESTHETICALLY PLEASING MANNER.

- WIRING DEVICES AND CONDUITS SHALL BE FLUSH MOUNTED, WHEREVER REASONABLY POSSIBLE.
- PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES FOR ALL PANELS, NEW OR MODIFIED, REFLECTING THE CIRCUIT ARRANGEMENTS AS THEY WERE ACTUALLY INSTALLED.
- AN ADHESIVE VINYL NAMEPLATE SHALL BE PROVIDED FOR ALL SWITCHES, RECEPTACLES, DISCONNECT SWITCHES, MOTOR STARTERS, AND MISCELLANEOUS DEVICES REQUIRING POWER. THE NAMEPLATE SHALL INDICATE THE PANELBOARD SERVING THE DEVICE AND THE CORRESPONDING CIRCUIT ASSIGNMENT. LETTERING SHALL BE A MINIMUM OF 1/4" HIGH. UTILIZE BROTHER "P-TOUCH" LABEL MAKER OR APPROVED SUBSTITUTE.
- A GREEN, EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC ARTICLE 250 SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS WHETHER INDICATED ON CONTRACT DRAWINGS OR NOT. INSTALL THIS CONDUCTOR IN ALL RACEWAYS INCLUDING THOSE INSTALLED FOR SWITCH LEGS AND ATTACH TO THE DEVICES, LUMINAIRE, OR EQUIPMENT USING A SUITABLE GROUNDING LUG.
- DO NOT USE A COMMON NEUTRAL FOR MULTIPLE BRANCH CIRCUITS INSTALLED IN A COMMON CONDUIT. PROVIDE A DEDICATED NEUTRAL FOR EACH INDIVIDUAL CIRCUIT. WHERE MULTIPLE DEDICATED NEUTRALS ARE INSTALLED IN A COMMON CONDUIT, PROVIDE COLOR CODING OF THE DIFFERENT NEUTRAL CONDUCTORS IN ACCORDANCE WITH NEC 2014 ARTICLE 200.6 (WHITE, GRAY, THREE CONTINUOUS WHITE OR GRAY STRIPES, ETC.).
- PROVIDE NYLON PULLSTRINGS IN ALL EMPTY CONDUITS UNLESS OTHERWISE INDICATED.
- THE TELECOMMUNICATIONS RACEWAY SYSTEM INSTALLATION SHALL COMPLY WITH TIA/EIA-569-A UNLESS OTHERWISE NOTED.
- CONDUIT BODIES (E.G. LB, LR, ETC.) SHALL NOT BE PERMITTED IN THE TELECOMMUNICATIONS RACEWAY SYSTEMS UNLESS SPECIFICALLY INDICATED TO BE UTILIZED AND LISTED FOR TELECOMMUNICATIONS SYSTEM USE.
- PROVIDE INSULATED BUSHINGS AT ALL TELECOMMUNICATIONS CONDUIT TERMINATIONS AT ALL BOXES, BACKBOARDS, AND CONDUIT STUBS.
- ALL SURFACE MOUNTED DEVICES SHALL BE INSTALLED UTILIZING FACTORY PAINTED SURFACE MOUNTING ACCESSORIES AND MATCHING DEVICE BOXES FOR THE MOST AESTHETICALLY PLEASING INSTALLATION.
- PROVIDE KNOCK-OUT PLUGS FOR ALL UNUSED CONDUIT PENETRATIONS IN BOXES AND ENCLOSURES DUE TO CONDUIT REMOVAL.
- PENETRATIONS THROUGH FIRE-RATED WALLS, CEILINGS AND FLOORS SHALL BE SEALED TO MAINTAIN FIRE RATINGS. UTILIZE 3M CP25, PUTTY 303 OR OTHER SUITABLE UL-LISTED SEALING SYSTEM.
- PATCH, REFINISH, AND PAINT ALL PENETRATIONS THROUGH WALLS AND SLABS TO MATCH FINISH OF ADJACENT SURFACES.
- RESTORE/REPAIR ANY DAMAGE TO EXISTING SURFACES RESULTING FROM THE INSTALLATION OF NEW ELECTRICAL ITEMS. THE AREAS REPAIRED SHALL MATCH THE ADJACENT SURFACES IN TEXTURE, FINISH AND COLOR.
- PAINTING OF ELECTRICAL EQUIPMENT: PRIME AND PAINT ALL EXPOSED CONDUITS, BOXES, FITTINGS, SUPPORT CHANNELS, MOUNTING HARDWARE AND ACCESSORIES WITH TWO FINISH COATS TO MATCH THE SURFACE ON WHICH THEY ARE MOUNTED OR TO MATCH THE FINISH OF THE ADJACENT SURFACES. EQUIPMENT SURFACES/COMPONENTS WITH A FACTORY-APPLIED PAINT FINISH NEED NOT BE PAINTED.



#	Date	Description
3	10/28/21	Addendum 3

CONSTRUCTION BID DOCUMENTS  
08/16/21

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Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

PROJECT TITLE

HHSC KAUAI

SMMH IMAGING DEPARTMENT  
RENOVATIONS

FILENAME:  
C:\Users\ikamal\Documents\SMMH-CT\_BLDG\_E18\_ikama8PP2A.rvt

DRAWING TITLE  
ELECTRICAL GENERAL NOTES

SCALE:  
DRAWN BY: ISE  
CHECKED BY: RT

PROJECT NO.  
220038-01  
DRAWING NO.

SHEET ISSUE DATE:  
08/16/21

E-001

COUNTY OF KAUAI  
CHAPTER 12, KAUAI COUNTY BUILDING CODE  
KAUAI COUNTY CODE 1987, AS AMENDED  
ARTICLE 6 – ENERGY CONSERVATION CODE

TO THE BEST OF MY KNOWLEDGE, THIS PROJECT'S DESIGN SUBSTANTIALLY CONFORMS TO:  
SECTION 12-6.3 ADOPTION OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC)  
SECTION 12-6.4 LOCAL AMENDMENTS TO THE IECC  
FOR ELECTRICAL AND LIGHTING SYSTEMS (SECTION C405 AND C408).

COMPLIANCE METHOD

2015 IECC AS AMENDED, MANDATORY & PRESCRIPTIVE  
 2015 IECC AS AMENDED, MANDATORY & TOTAL BUILDING  
 PERFORMANCE  
 ASHRAE STANDARD 90.1-2013, MANDATORY & PRESCRIPTIVE

ASHRAE STANDARD 90.1-2013, MANDATORY & ENERGY COST BUDGET

INFORMATION IN CONSTRUCTION DOCUMENTS	YES	N/A
<b>INTERIOR LIGHTING</b>		
OCCUPANT SENSOR CONTROLS, C405.2.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TIME SWITCH CONTROLS, C405.2.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DAYLIGHT RESPONSIVE CONTROLS, C405.2.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DAYLIGHT ZONES ON PLANS, C405.2.3.2 & C405.2.3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
GUEST ROOM CONTROLS, C405.2.4	<input type="checkbox"/>	<input checked="" type="checkbox"/>
INTERIOR LIGHTING FIXTURE SCHEDULE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INPUT POWER FOR INTERIOR LIGHTING FIXTURES, C405.4.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
INTERIOR LIGHTING FIXTURE LOCATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LIGHTING CONTROL FUNCTIONAL PERFORMANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TESTING REQUIREMENT, C408.3		
<b>EXTERIOR LIGHTING</b>		
EXTERIOR LIGHTING CONTROLS, C405.2.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EXTERIOR LIGHTING FIXTURE SCHEDULE	<input type="checkbox"/>	<input checked="" type="checkbox"/>
INPUT POWER FOR EXTERIOR LIGHTING FIXTURES	<input type="checkbox"/>	<input checked="" type="checkbox"/>
EXTERIOR LIGHTING FIXTURE LOCATIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>ELECTRICAL</b>		
ELECTRICAL TRANSFORMER EFFICIENCY, C405.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TENANT SUBMETERING, C405.10	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SIGNATURE: *Ross N. Takai*

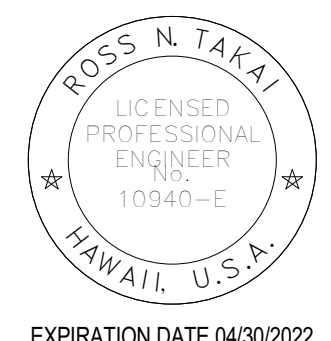
DATE: 6/18/2021

NAME: ROSS N. TAKAI, P.E.

TITLE: ELECTRICAL ENGINEER

LICENSE No.: 10940-E

EXPIRATION DATE 04/30/2022

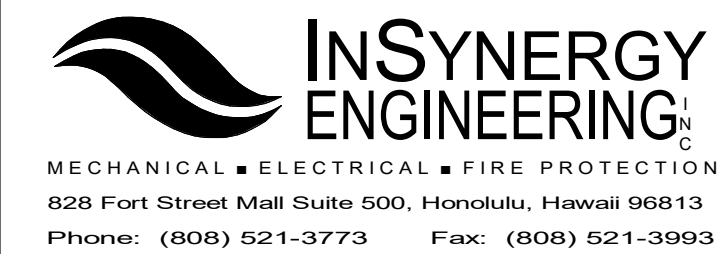


## LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMPS	MANUFACTURER / CATALOG NO.	COMMENTS
(A)	CEILING MOUNTED 2'X4' GRID RECESSED TROFFER. 20 GAUGE DIE-FORMED HOUSING. EXTRUDED WHITE LENS WITH OPTIONAL DOORFRAME WITH CLEAR POLYCARBONATE LENS. MATTE WHITE POWDER COAT FINISH. 120V. UL LISTED FOR WET LOCATION.	4000K, 80 CRI 50W LED, 6100 LUMENS	NEWSTAR LIGHTING AACG24-HC20-OC18/CP12-L2401C-RW-UN-DM OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT. CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(AE)	SIMILAR TO TYPE A, EXCEPT PROVIDE 10W EMERGENCY BATTERY.	SAME AS TYPE A	NEWSTAR LIGHTING AACG24-HC20-OC18/CP12-L2401C-RW-UN-DM-EL1 OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(B)	SIMILAR TO TYPE A, EXCEPT PROVIDE 2'X2' SIZED FIXTURE.	4000K, 80 CRI 25W LED, 2750 LUMENS	NEWSTAR LIGHTING AACG22-HC20-OC18/CP12-L2401C-RW-UN-DM OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(BE)	SIMILAR TO TYPE B, EXCEPT PROVIDE 10W EMERGENCY BATTERY.	SAME AS TYPE B	NEWSTAR LIGHTING AACG22-HC20-OC18/CP12-L2401C-RW-UN-DM-EL1 OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(C)	CEILING MOUNTED 1'X4' GRID RECESSED TROFFER. 22 GAUGE DIE-FORMED HOUSING. 20 GAUGE C.R.S. DOOR FRAME. FROSTED ACRYLIC SHIELDING. WHITE POLYESTER POWDER COATED FINISH. 120V. UL LISTED FOR WET LOCATION.	4000K, 80 CRI 21W LED, 2700 LUMENS	H.E. WILLIAMS 50G-S14-L27/840-FAF12125-WET-DRV-UNV OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(D)	CEILING RECESSED GRID MOUNTED 2"W X 4"L LIGHT. T6 EXTRUDED ALUMINUM BODY. DIE-FORMED 20-GAUGE COLD-ROLLED STEEL REFLECTORS. PROVIDE WITH RECESSED T-BAR. FLUSH FROST WHITE SNAP-IN DIFFUSER.	4000K, 80 CRI 14W LED, 1382 LUMENS	FINELITE HP2RD4'S840F96LG120SCFC-10%C1FESW OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(DE)	SIMILAR TO TYPE D, EXCEPT PROVIDE 10W EMERGENCY BATTERY.	SAME AS TYPE D	FINELITE HP2RD4'S840F96LG120SCFC-10%C1FESWFACCHO OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(E)	CEILING RECESSED MOUNTED 4" DOWNLIGHT. ACRYLIC ENAMELED ALUMINUM HOUSING. LOW BRIGHTNESS CLEAR ALUMINUM SELF-FLANGED DOWNLIGHT CONE. 120V. UL LISTED FOR DAMP LOCATION.	4100K, 80 CRI 20.9W LED, 1538 LUMENS	KIRLIN LIGHTING MRR-04800-1500L-120-41K-WFL OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(F)	2.04"W X 0.70"H X 20.70"L UNDERCABINET LIGHT. ALUMINUM FINISH. LINE VOLTAGE INTEGRAL DRIVER. 120V.	4000K, 90CRI 7W LED, 525 LUMENS	FEELUX LIGHTING TUN7-4000K-120V-SF OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT
(G)	5.5" DIAMETER CIRCULAR DIMMABLE LED GLASS LIGHT. PENDANT MOUNTED AT 6'-6" AFF. CHROME FINISH. 120V.	4000K, 90CRI 2W LED, 180 LUMENS	KUZCO LIGHTING BOLLA PD3106 OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(H)	5"W X 3.58"H COLOR CHANGING RECESSED IN GRID LINEAR LIGHT. EXTRUDED ALUMINUM HOUSING. DIRECT DISTRIBUTION. TELESCOPING MODULE FOR +/- 6" FIELD ADJUSTABILITY. DMX DRIVER. PROVIDE ADJUSTABLE WALL BRACKET. ACRYLIC SATIN LENS. WHITE SEMI-GLOSS ANTIMICROBIAL FINISH. 120V. UL LISTED FOR DAMP LOCATION.	RGBW COLOR 7.8W/FT LED, 869 LM/FT	GAMMALUX FIXTURE: GPD5-2HL358T-UNIV-DMX-N-REC/W/A/GFR0-ASLMD-WSGA-DL DRIVER: LIN100M1 OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT. CONFIRM LENGTH OF RUN WITH ARCHITECT. FIXTURE DRIVER REQUIRED TO BE COMPATIBLE WITH LIGHTING CONTROLS. SEE SHEET E-502 FOR LIGHTING CONTROL WIRING DIAGRAM.
(I)	CEILING RECESSED MOUNTED 4" ROUND DOWNLIGHT. 18 AND 18 GAUGE HEAVY DUTY POWDER COATED COLD ROLLED STEEL FRAME. 1.5" THICK SPECIFICATION GRADE REFLECTOR. CLEAR TEMPERED LENS. WIDE FLOOD OPTICS. 120V. UL LISTED FOR WET LOCATION.	4000K, 90 CRI 19W LED, 1653 LUMENS	INTENSE LIGHTING FIXTURE: GD4DRL340-D101-WF REFLECTOR: IRD402W-SF OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT CONFIRM CAPABILITY WITH LIGHTING CONTROL SYSTEM.
(X)	CEILING MOUNTED ILLUMINATED EXIT SIGN. 5/8" PRESSURE DIE CASE ALUMINUM HOUSING. POWDER COAT FINISH.	2W LED	EVENLITE AUR-1-WH-CN OR APPROVED EQUAL	CONFIRM FINISH WITH ARCHITECT

## ELECTRICAL SYMBOL LIST

MOUNTING HEIGHT FROM FLOOR TO TOP	(SPECIAL MOUNTING HEIGHTS INDICATED ON PLAN)		DESCRIPTION
	SYMBOL	SYMBOL	
TOP	EXISTING	NEW	
			LED FIXTURE, 1X4 CEILING GRID MOUNTED
			LED FIXTURE, 2X4 CEILING GRID MOUNTED
			LED FIXTURE, 2X4 CEILING GRID MOUNTED WITH EMERGENCY BATTERY UNIT
			LED FIXTURE, UNDER CABINET OR MIRROR FIXTURE WALL MOUNTED
			LED FIXTURE, DOWNLIGHT PENDANT MOUNTED
			LED FIXTURE, DOWNLIGHT CEILING GRID MOUNTED
			LED FIXTURE, 2X2 CEILING GRID MOUNTED
			ILLUMINATED EXIT SIGN, CEILING MOUNTED, DIRECTIONAL ARROWS AS INDICATED
46"			WALL BOX SWITCH, SELF-CONTAINED, FLUSH WALL MOUNTED. "D" DENOTES DIMMER SWITCH.
46"			OCCUPANCY SENSOR/LOW VOLTAGE SWITCH, SELF-CONTAINED, DUAL-TECH TYPE
46"			MANUAL MOTOR STARTER WITH THERMAL OVERLOAD (SINGLE POLE) 1HP MAX.
18"			RECEPTACLE, DUPLEX, GROUNDING TYPE, 125V, NEMA TYPE 5-20R
18"			JUNCTION BOX, WALL MOUNTED/CEILING MOUNTED
18"			RECEPTACLE, DUPLEX, GFCI TYPE, 125V, NEMA TYPE 5-20R
18"			RECEPTACLE, SINGLE, SPECIAL PURPOSE, 250V-10, NEMA CONFIGURATION AS NOTED
			RECEPTACLE, DUPLEX, 6" ABOVE COUNTER TOP, 125V, NEMA TYPE 5-20R
			RECEPTACLE, DUPLEX, GFCI TYPE, 6" ABOVE COUNTER TOP, 125V, NEMA TYPE 5-20R
			EQUIPMENT CONNECTION
			MOTOR CONNECTION
			NON-FUSED DISCONNECT SWITCH, 3P30A UNLESS OTHERWISE NOTED, VOLTAGE TO MATCH CIRCUITING
			ENCLOSED CIRCUIT BREAKER
			PANELBOARD
8'-0"			SPEAKER, WALL MOUNTED/CEILING MOUNTED
			COMMUNICATION OUTLET BOX, WALL MOUNTED PROVIDED WITH TWO CAT 6 CABLES UON
46"			FIRE ALARM MANUAL PULL STATION
6'-10"			FIRE ALARM AUDIO/VISUAL SIGNALLING DEVICE, SEMI - FLUSH MOUNTED
			MIRROR LIGHT FRAME
			IN-USE LIGHT FRAME OR SWITCH
			EMERGENCY PUSH SHUTOFF BUTTON
			SHUNT TRIP
			UON DENOTES UNLESS OTHERWISE NOTED
			POWER TRANSFORMER
			GROUND
			CIRCUIT BREAKER
			TRANSFER SWITCH
			HOMERUN ARROW TO PANELBOARD. LETTER INDICATES PANELBOARD, NUMBERS INDICATES CIRCUITS.
			CONCEALED CONDUIT (HASHMARKS INDICATE 3-WIRES WITHIN, ALL OTHERS SIMILAR).
			(E)/(E-RR) (N) DENOTES EXISTING/REMOVE & RELOCATE OR NEW EQUIPMENT
			OS-1 DENOTES OCCUPANCY SENSOR "1"
			CONDUIT STUB, 1" MINIMUM CONDUIT UNLESS OTHERWISE NOTED



#	Date	Description
1	09/17/21	Addendum 1
3	10/28/21	Addendum 3

### CONSTRUCTION BID DOCUMENTS 08/16/21

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Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.

Ross N. Takai  
04-30-2022  
License Expiration Date

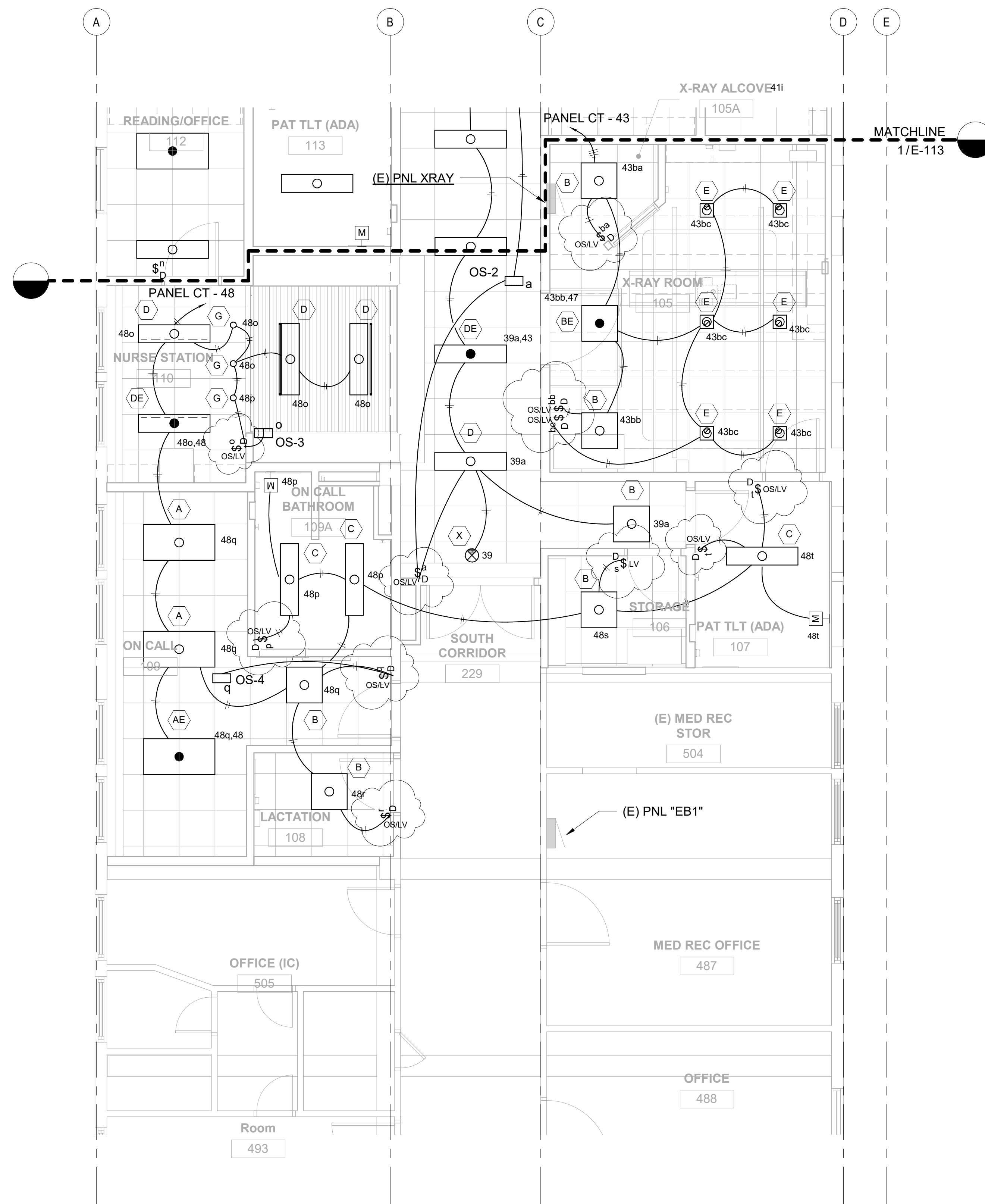
## PROJECT TITLE HHSC KAUAI SMMH IMAGING DEPARTMENT RENOVATIONS

FILENAME:  
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### DRAWING TITLE ELECTRICAL SYMBOLS LIST

SCALE:	CHECKED BY: RT
DRAWN BY: ISE	
PROJECT NO. 220038-01	DRAWING NO. <b>E-003</b>
SHEET ISSUE DATE: 08/16/21	

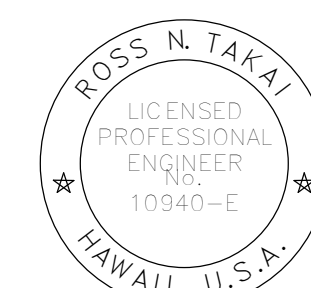




#	Date	Description
1	09/17/21	Addendum 1
3	10/28/21	Addendum 3

**CONSTRUCTION BID DOCUMENTS**  
**08/16/21**

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PROJECT TITLE

**HHSC KAUAI**

**SMMH IMAGING DEPARTMENT RENOVATIONS**

FILENAME:  
 C:\Users\ikama\Documents\SMMH-CT\_BLDG\_E18\_ikamaBPP2A.rvt

DRAWING TITLE  
**LIGHTING PLAN - 2**

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

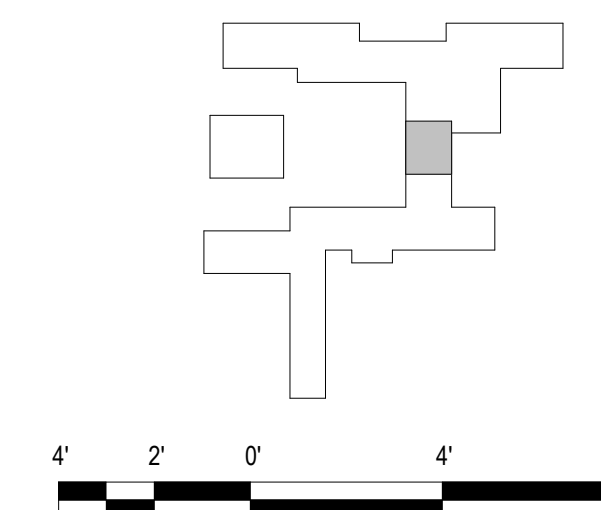
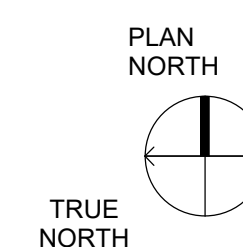
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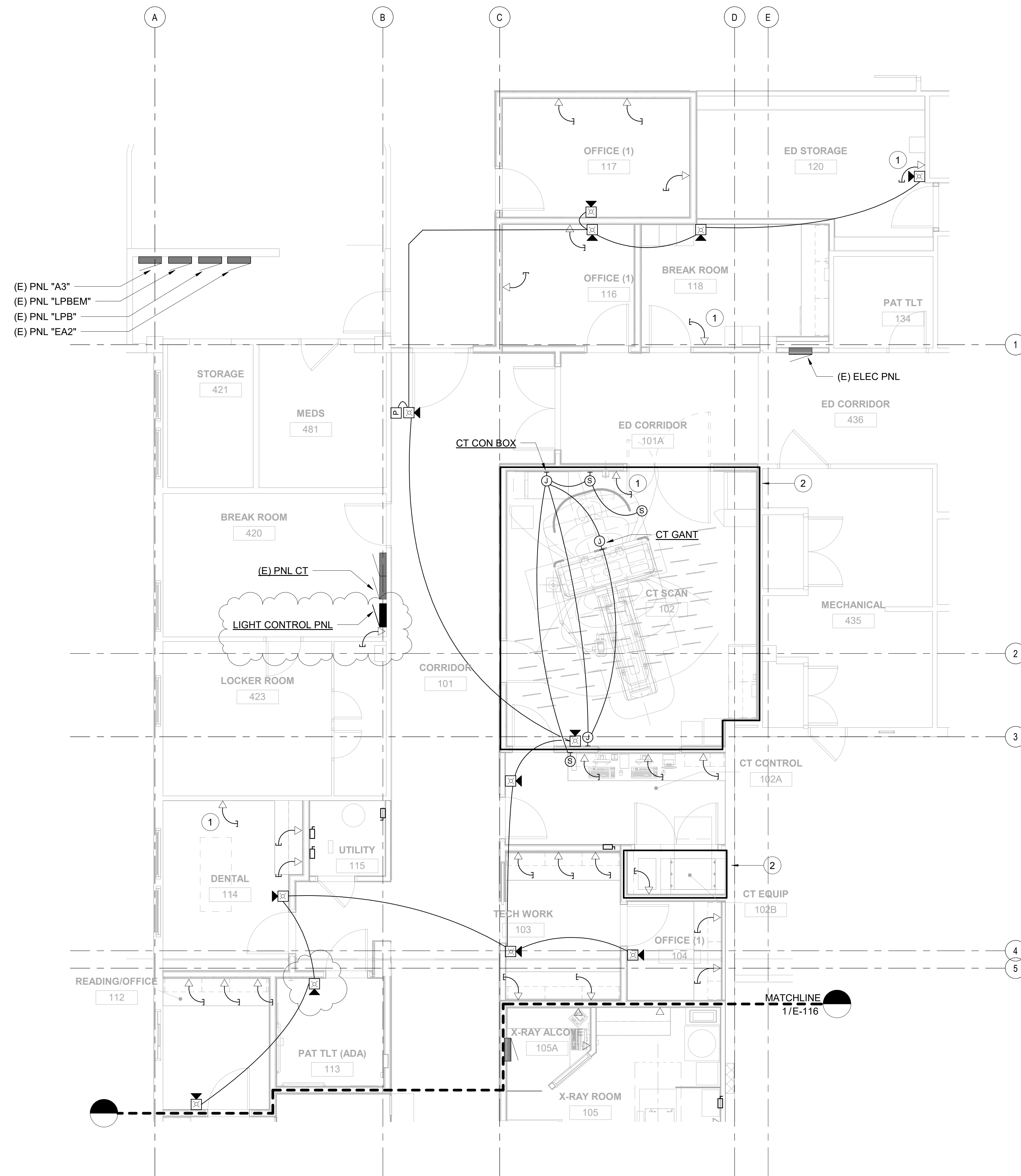
PROJECT NO. 220038-01  
 DRAWING NO.

SHEET ISSUE DATE:  
 08/16/21

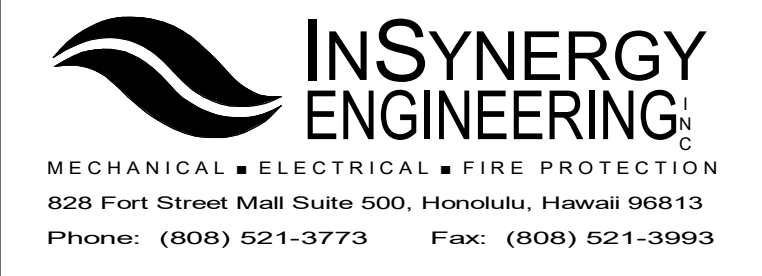
**E-114**

**1 LIGHTING PLAN - 2**  
 SCALE: 1/4" = 1'-0"





- SHEET NOTES:**
- COMMUNICATION CONDUITS STUB-UP INTO CEILING.
  - CATEGORY-6 UTP TO BE INSTALLED FOR COMMUNICATION CABLING AND TERMINATE ON COMM BKBD.
  - ALL COAX CABLES TO TERMINATE ON COAX BKBD.
- INSTALL ONE CAT-6 CABLE
  - CONTRACTOR TO PROVIDE ALL NECESSARY CONTROLS, CONDUIT, CONDUCTORS, CABLING, EQUIPMENT AND CONNECTIONS FOR A FULLY FUNCTIONING AND OPERATIONAL CT MACHINE. CONTRACTOR TO FOLLOW MANUFACTURER RECOMMENDATIONS.



#	Date	Description
1	09/17/21	Addendum 1
3	10/28/21	Addendum 3

**CONSTRUCTION BID DOCUMENTS**  
08/16/21

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PROJECT TITLE

**HHSC KAUAI**

**SMMH IMAGING DEPARTMENT RENOVATIONS**

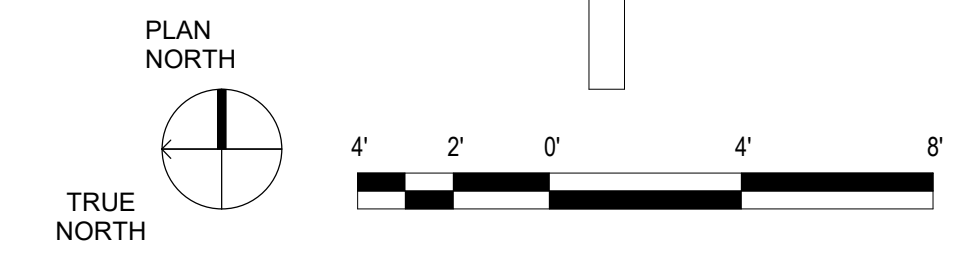
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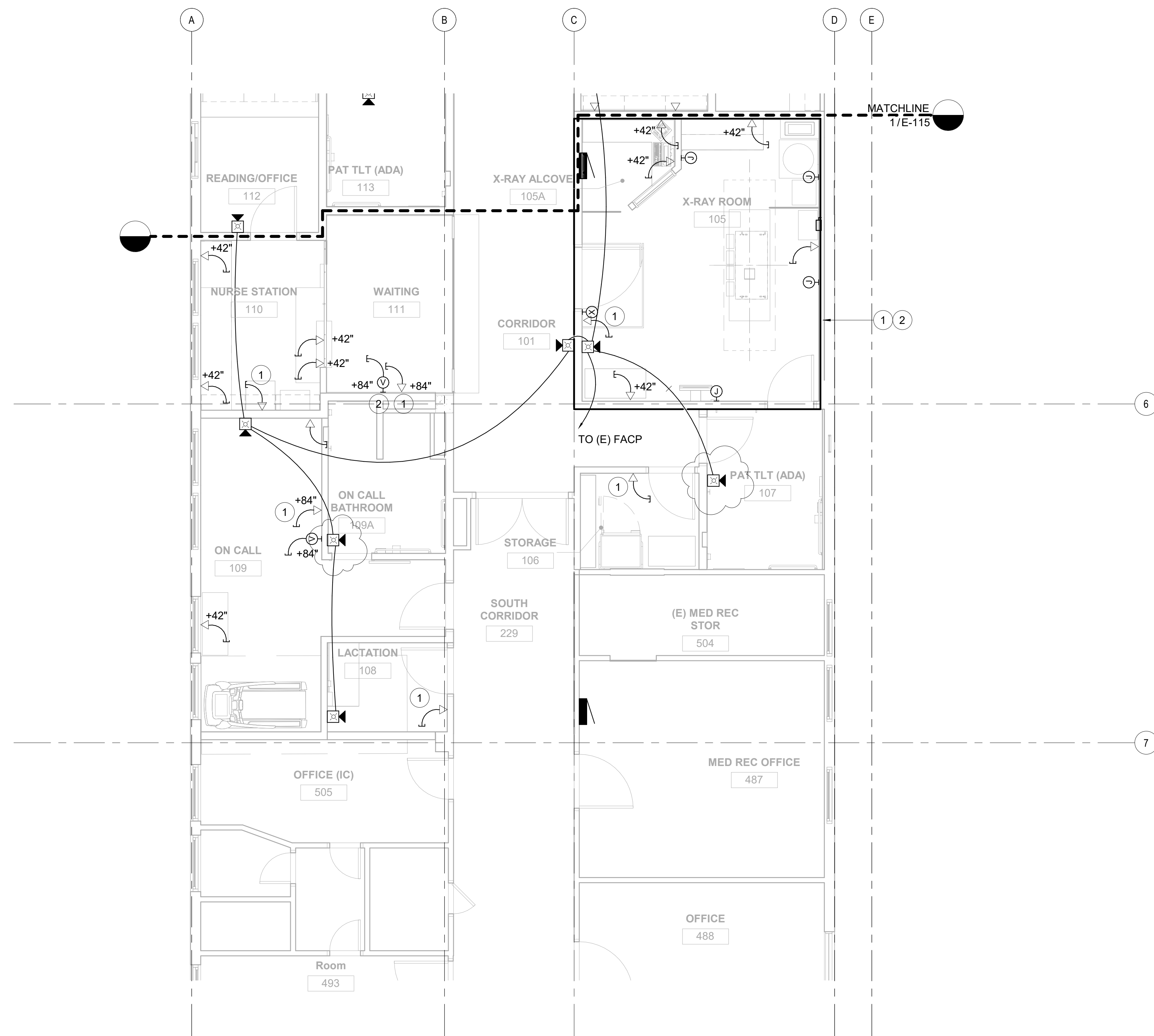
**SIGNAL PLAN - 1**

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

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PROJECT NO. <b>220038-01</b>	DRAWING NO. <b>E-115</b>
SHEET ISSUE DATE: <b>08/16/21</b>	

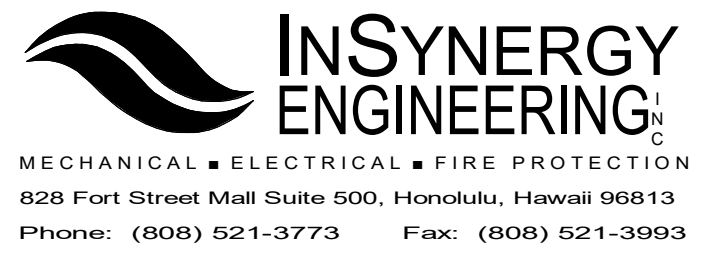


**1 SIGNAL PLAN - 1**  
SCALE: 1/4" = 1'-0"



**SHEET NOTES:**

1. COMMUNICATION CONDUITS STUB-UP INTO CEILING.
2. CATEGORY-6 UTP TO BE INSTALLED FOR COMMUNICATION CABLING AND TERMINATE ON COMM BKBD.
3. ALL COAX CABLES TO TERMINATE ON COAX BKBD.
- ① INSTALL ONE CAT-6 CABLE
- ② INSTALL COAX CABLE
- ③ CONTRACTOR TO PROVIDE ALL NECESSARY CONTROLS, CONDUIT, CABLES, EQUIPMENT AND CONNECTIONS FOR A FULLY FUNCTIONING AND OPERATIONAL XRAY MACHINE.
- ④ CONTRACTOR TO RELOCATE AND RECONNECT ALL THE COMMUNICATION AND CONTROLS FOR EXISTING XRAY-1.



#	Date	Description
3	10/28/21	Addendum 3

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08/16/21

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*Ross N. Takai*  
04-30-2022  
License Expiration Date

PROJECT TITLE  
**HHSC KAUAI**  
**SMMH IMAGING DEPARTMENT RENOVATIONS**

FILENAME:  
C:\Users\ikama\Documents\SMMH-CT\_BLDG\_E18\_ikamaBPP2A.rvt

DRAWING TITLE  
**SIGNAL PLAN - 2**

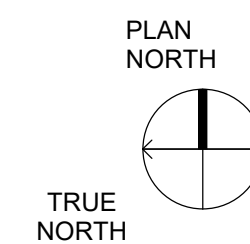
SCALE: 1/4" = 1'-0"

DRAWN BY: <b>ISE</b>	CHECKED BY: <b>RT</b>
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PROJECT NO. <b>220038-01</b>	DRAWING NO.
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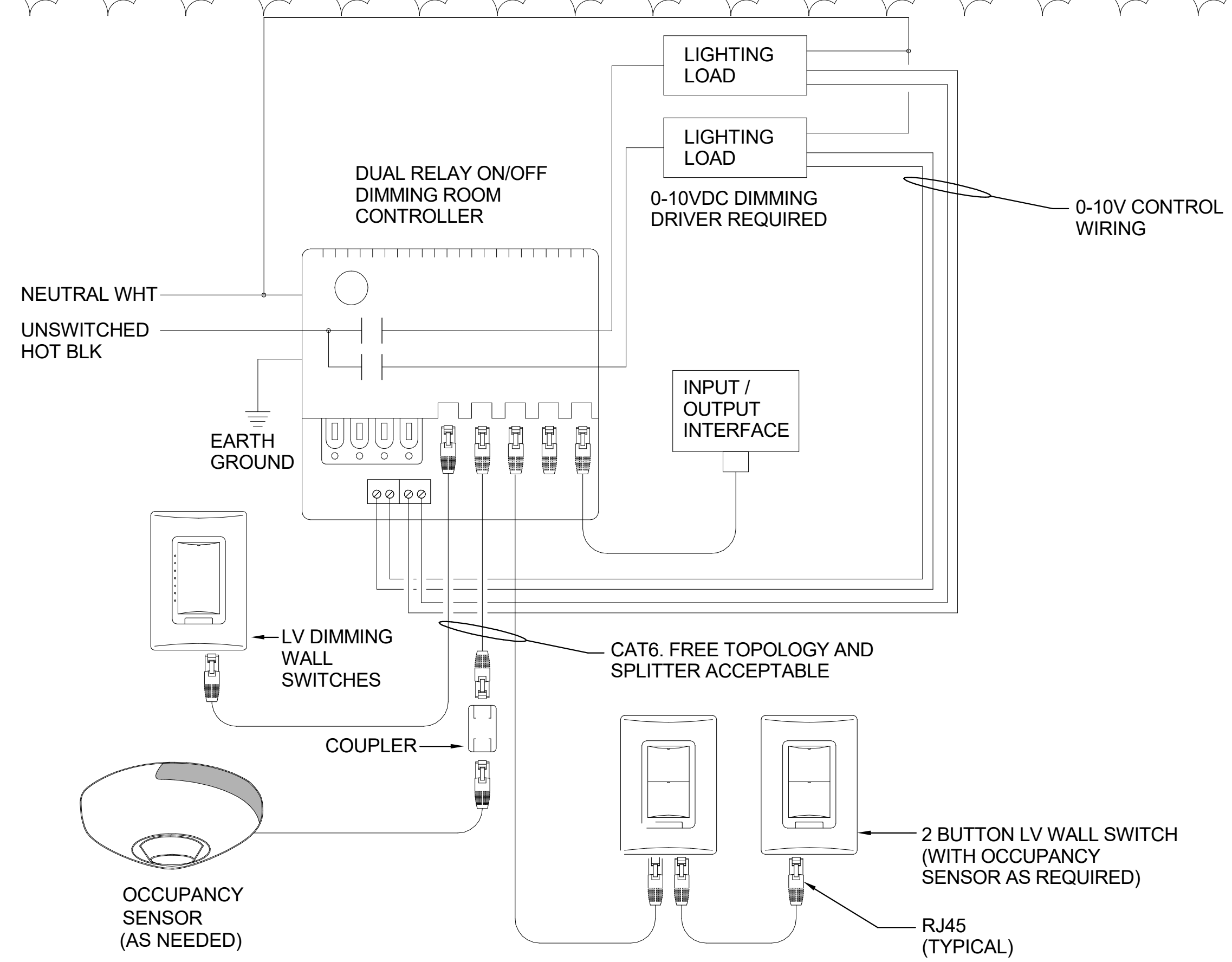
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**1 SIGNAL PLAN - 2**  
SCALE: 1/4" = 1'-0"

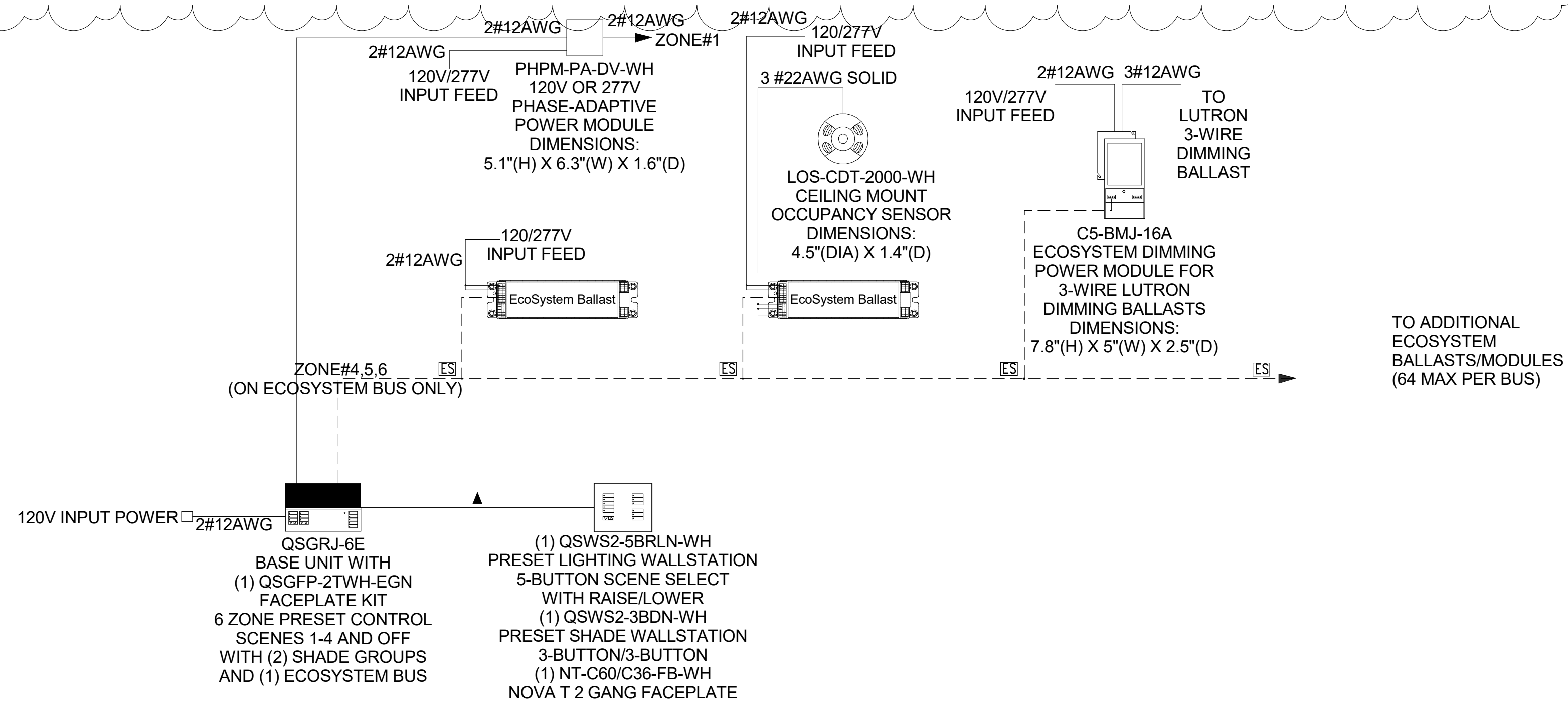


**NOTES:**

1. PROVIDE NUMBER OF ROOM CONTROLLERS, OCCUPANCY SENSORS, AND LOW VOLTAGE SWITCHES AS REQUIRED FOR A COMPLETE SYSTEM.
2. WHEN ROOM CONTROLLERS ARE CONNECTED ONLY TO OCCUPANCY SENSORS, THE SYSTEM DEFAULTS TO AUTOMATIC ON/OFF OPERATION. IF A WALL SWITCH IS ADDED TO A SYSTEM WITH ONE LOAD, THE LOAD DEFAULTS TO MANUAL-ON/AUTOMATIC-OFF OPERATION. IN THE CASE WHEN THE OCCUPANCY SENSOR MALFUNCTIONS, THE WALL SWITCH SHALL PERFORM AS A MANUAL ON/OFF SWITCH.
3. CONCEAL ROOM CONTROLLER IN ACCESSIBLE CEILING LOCATIONS.
4. ALL CABLING SHALL BE INSTALLED IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 1".
5. BREAK-OFF REMOVAL ON HOT SIDE REQUIRED FOR SPLIT CIRCUIT WIRING.
6. CONTROLLED RECEPTACLE MARKING SHALL BE LOCATED ON THE CONTROLLED RECEPTACLE OUTLET WHERE VISIBLE AFTER INSTALLATION.



**2 LOW VOLTAGE WALL/CEILING OCCUPANCY/DIMMING SENSOR DIAGRAM**  
SCALE: NTS



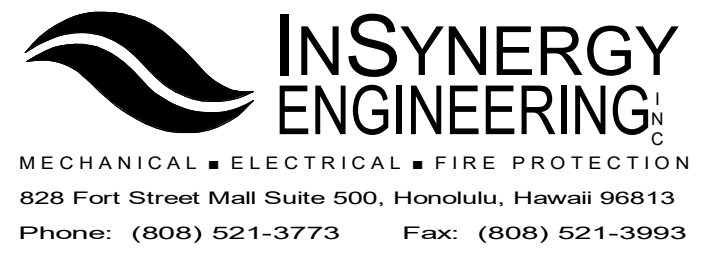
**WIRING NOTES:**

- ALL DIMMING BALLASTS TO BE LUTRON ECOSYSTEM, HI-LUME, ECO-10 TYPE OR APPROVED EQUAL.
- ALL FACEPLATES, DIMMERS, SWITCHES, RECEPTACLES & CABLE/PHONE JACKS TO BE LUTRON NOVA T OR APPROVED EQUAL.
- ▲ LUTRON CABLE GRX-CBL-346S (4 CONDUCTOR NON-PLENUM) OR GRX-PCBL-346S (4 CONDUCTOR PLENUM RATED), OTHERWISE USE 2 #18AWG (1.0MM²) AND 1 BELDEN #9461.
- ES ECOSYSTEM LINK REQUIRES LUTRON CABLE C-CBL-216-GR-1 (2 #16 CONDUCTOR NON-PLENUM) OR C-PCBL-216-CL-1 (2 #16 CONDUCTOR PLENUM RATED) OTHERWISE USE 2 #16AWG BY OTHERS.

**1 CT ROOM LIGHTING CONTROL DIAGRAM**  
SCALE: NTS

**SHEET NOTES:**

1. CONTRACTOR TO PROVIDE ALL NECESSARY CONTROLS, CABLING, EQUIPMENT AND CONNECTIONS FOR A FULLY FUNCTIONING AND OPERATIONAL LIGHTING CONTROLS SYSTEM, LUTRON OR APPROVED EQUAL.
2. CONTRACTOR TO INSTALL LIGHTING CONTROL SYSTEM PER MANUFACTURER'S REQUIREMENTS.



REVISIONS		
#	Date	Description
3	10/28/21	Addendum 3

**CONSTRUCTION BID DOCUMENTS**  
08/16/21

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Supervision and Observation of this project is as defined in Section 1.2 of the Hawaii Administrative Rules, Title 16, Chapter 115, Professional Engineers, Architects, Land Surveyors, and Landscape Architects.



PROJECT TITLE  
**HHSC KAUAI**  
**SMMH IMAGING DEPARTMENT RENOVATIONS**

FILENAME:  
C:\Users\ikama\Documents\SMMH-CT\_BLDG\_E18\_ikamaBPP2A.rvt

DRAWING TITLE  
**LIGHTING CONTROLS**

SCALE: 12" = 1'-0"

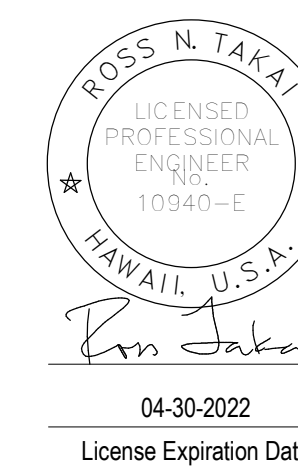
DRAWN BY: <b>ISE</b>	CHECKED BY: <b>RT</b>
PROJECT NO. <b>220038-01</b>	DRAWING NO. <b>E-402</b>
SHEET ISSUE DATE: <b>08/16/21</b>	



#	Date	Description
3	10/28/21	Addendum 3

**CONSTRUCTION BID DOCUMENTS**  
**08/16/21**

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PROJECT TITLE

**HHSC KAUAI**

**SMMH IMAGING DEPARTMENT RENOVATIONS**

FILENAME:  
 C:\Users\ikama\Documents\SMMH-CT\_BLDG\_E18\_ikamaBPP2A.rvt

DRAWING TITLE

**X-RAY ROOM CONNECTION DIAGRAM**

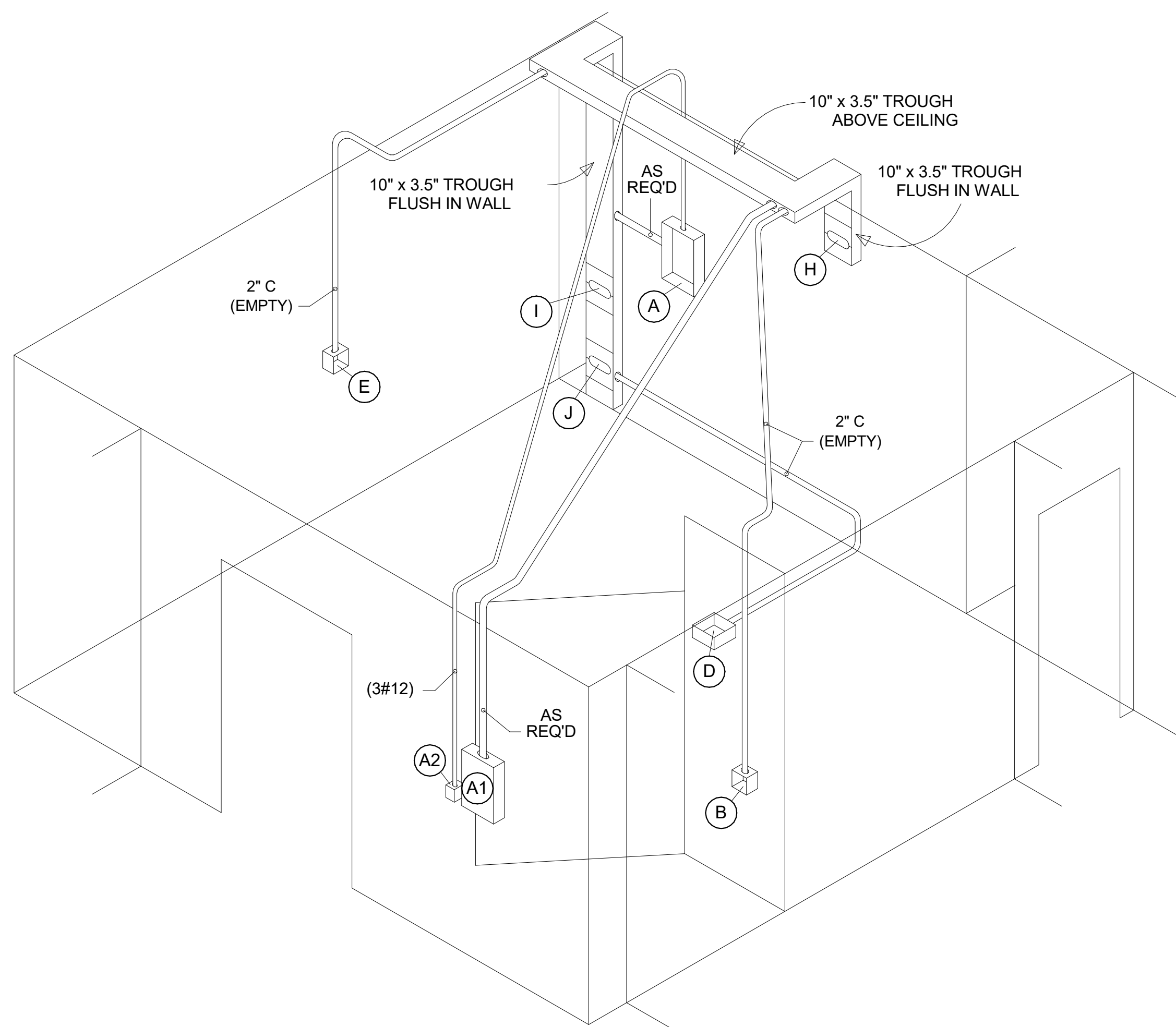
SCALE: 12" = 1'-0"

DRAWN BY: ISE  
 CHECKED BY: RT

PROJECT NO. 220038-01  
 DRAWING NO.

SHEET ISSUE DATE:  
 08/16/21

**E-403**



X-RAY EQUIPMENT ELECTRICAL LEGEND			
ITEM	DESCRIPTION		
(A)	MAIN CIRCUIT BREAKER IN FLUSH MOUNTED NEMA ENCLOSURE WITH NEUTRAL AND GROUND ACCESSORIES. CONTRACTOR TO SUPPLY AND INSTALL HARD WIRES FROM CIRCUIT BREAKER TO LOCATION "J".		
(A1)	120/208-240 VAC SINGLE PHASE FLUSH MOUNTED LOAD CENTER WITH SINGLE MAIN BREAKER. LOAD CENTER TO CONTAIN BREAKERS WITH RATINGS AS FOLLOWS:		
	BRANCH CIRCUIT	BOX LOCATION	120 VAC
	PSI BOX	"I"	15 AMP
	CONTRACTOR TO SUPPLY AND INSTALL HARD WIRES FROM CIRCUIT BREAKER IN LOAD CENTER TO BOX LOCATION "I" AND LABEL ACCORDINGLY. SEE SHEET E-404 FOR EXACT LOCATION.		
(A2)	REMOTE SWITCH FOR OPERATION OF SHUNT TRIP FEATURE ON MAIN BREAKER "A". PROVIDE MUSHROOM TYPE "EMERGENCY OFF" RED BUTTON. SEE SHEET E-404 FOR EXACT LOCATION.		
(B)	6" X 6" X 4" DEEP JUNCTION BOX. SPLIT REMOVABLE COVER SHALL CONTAIN A 2" GROMMETED OPENING. SEE SHEET E-406 FOR EXACT LOCATION. LOCATE COVER 6" BELOW COUNTER TOP. PROVIDE GROMMETED OPENING IN COUNTER TOP FOR CABLE ACCESS TO EQUIPMENT.		
(D)	8" X 8" X 4" DEEP JUNCTION BOX. SPLIT REMOVABLE COVER SHALL CONTAIN A 2" GROMMETED OPENING. LOCATE COVER FLUSH IN FINISH FLOOR.		
(E)	6" X 6" X 4" DEEP JUNCTION BOX. SPLIT REMOVABLE COVER SHALL CONTAIN A 2" GROMMETED OPENING. LOCATE COVER 43" ABOVE FINISHED FLOOR.		
(H)	12" X TROUGH COVER WIDTH, SPLIT REMOVABLE COVER PLATE SHALL CONTAIN AN 8" X 3" GROMMETED OPENING. LOCATE COVER PLATE 90" ABOVE FINISHED FLOOR.		
(I)	12" X TROUGH COVER WIDTH, SPLIT REMOVABLE COVER PLATE SHALL CONTAIN AN 8" X 3" GROMMETED OPENING. LOCATE COVER PLATE 30" ABOVE FINISHED FLOOR.		
(J)	12" X TROUGH COVER WIDTH, SPLIT REMOVABLE COVER PLATE SHALL CONTAIN AN 8" X 3" GROMMETED OPENING. LOCATE COVER PLATE 6" ABOVE FINISHED FLOOR. PROVIDE 4' SEALTITE (OR APPROVED EQUAL) WITH 90 DEGREE CONNECTORS AT EACH END. CONNECT TO "J" AND LEAVE 6' WIRE TAILS TO EQUIPMENT.		

**NOTES:**

1. CONNECTION DIAGRAM PROVIDED BY EQUIPMENT VENDOR FOR SCHEMATIC PURPOSES ONLY. CONTRACTOR TO CONFIRM WITH EQUIPMENT VENDOR ON EQUIPMENT AND EQUIPMENT LOCATIONS PRIOR TO CONDUCTING WORK.

**1 X-RAY ROOM CONNECTION DIAGRAM**  
 SCALE: NTS