



KAUA'I VETERANS MEMORIAL HOSPITAL  
PO Box 337, Waimea, HI 96796  
(808) 338-9431

HAWAII HEALTH SYSTEMS CORPORATION

KAUA'I REGION

*E Pono Mau Loa ~ Always Excellent*

SAMUEL MAHELONA MEMORIAL HOSPITAL  
4800 Kawaihau Rd, Kapa'a, HI 96746  
(808) 822-4961

### ADDENDUM #3

September 6, 2024

TO: Potential Offerors

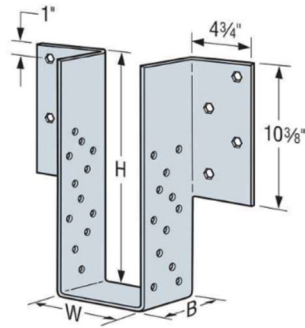
FROM: Maia Guirao, Contract Manager

RE: Solicitation Addendum #3 to RFP #25-01/KVMH Emergency Department Renovation, Phase 3

This correspondence serves as Addendum #3 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.

The following questions were asked:

1. Q: Are the B/B/B Units OFCI, OFOI, or CFCI? If so, please provide manufacturer specs. B/B/F can be found on 3/A008.  
A: B/B/F units are Contractor Furnished/Contractor Installed (CFCI). Spec for B/B/F can be found in Section 6B - Finish Carpentry, Paragraph 12.
2. Q: Sheet A011 Details 9 does not provide attachment details for the 4x12 header adjacent CMU. Please provide details and attachment components.  
A: Use Simpson HGUM to connect 4x12 header to existing CMU wall.

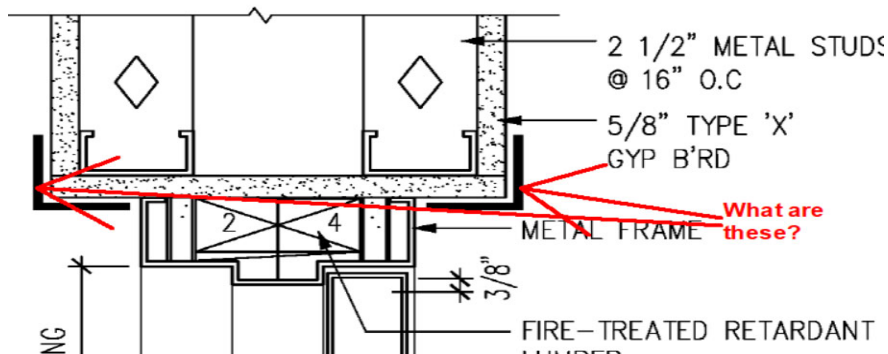


### HGUM

Heavy Face-Mount Girder and Beam Hanger for Concrete and Masonry

The HGUM is a face-mount girder hanger for concrete or masonry applications, available with one flange concealed. It installs with Strong-Drive® SDS Heavy-Duty Connector screws and Titen HD® anchors.

3. Q: What size jamb is the intended for D13 door?  
A: Jamb is provided with Door D/13. See attached Record USA 5106-1 Catalog Cut.
4. Q: Please advise to what these are. This occurs only at doors D1, D9 and D15. Shown on A011 detail 5.



A: Items shown are corner guards with 3" wings as specified in Section 10Z – Corner Guards and Crash Rails. Corner guards are to be full height and only occur at door jambs.

5. Exterior wall at Doctor's Charting and Nourishment Station elevation shows wall as existing and assumed existing finish. Through site walk, current wall is unfinished CMU. Is this wall to be finished with EFS/DEFS?  
A: Wall is to be finished with EFS/DEFS.

6. Q: Sheet M011 at Existing Lobby show the drinking fountains recessed back in the wall. Architectural sheet A003 new floor plan shows drinking fountains attached to wall that is aligned in plane with new wall and not recessed. Please advise as to which plan sheet is correct.

NOTE: It would be assumed that wall will not be recessed since existing tile will remain and recessed area of the floor will need to patch with existing tile and recessed portion of the wall would encroach on the ADA requirements of the bathroom on the other side.

A: [Architectural Sheet A003 is to be followed. Please refer to revised Mechanical Plans attached.](#)

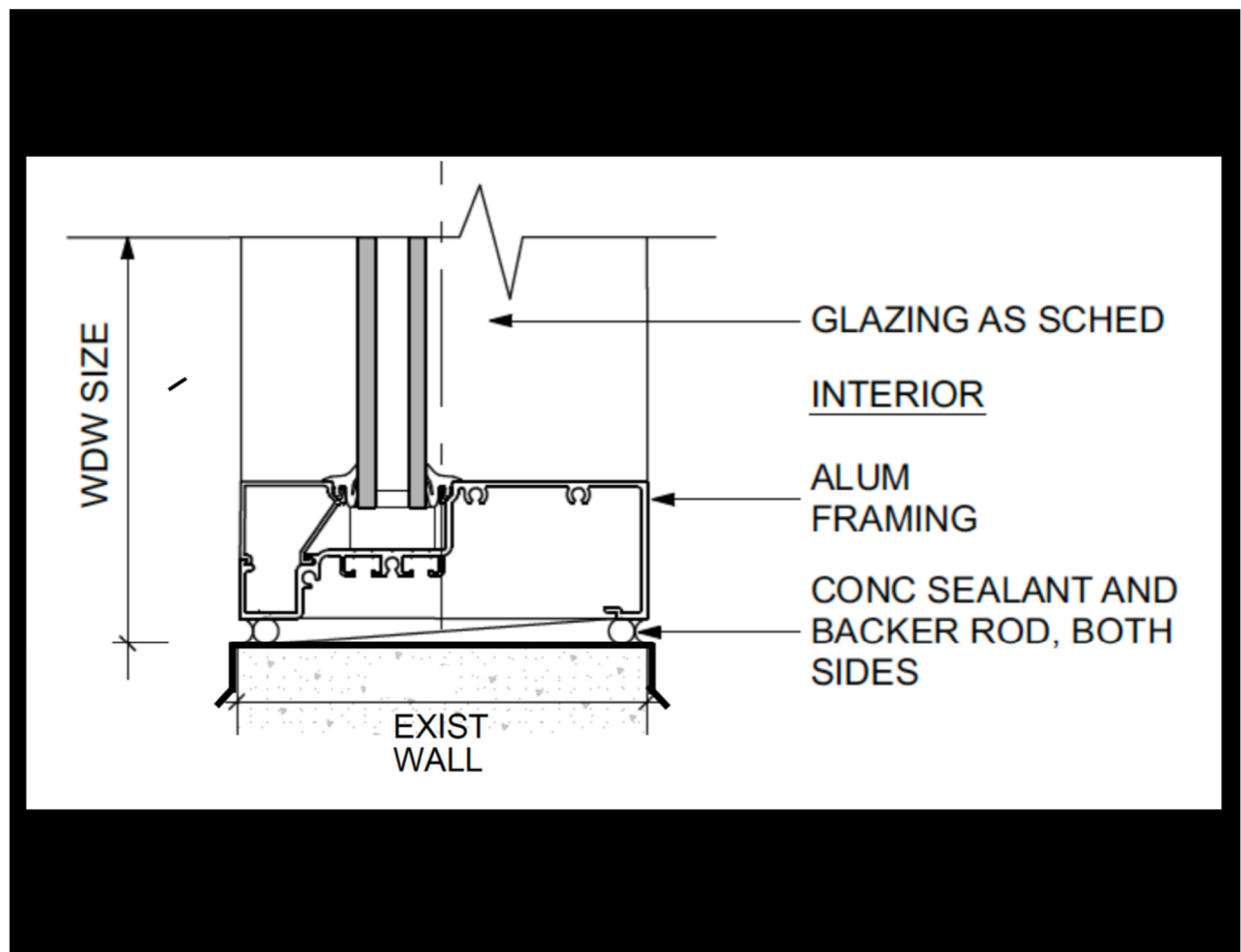
7. Q: Architectural sheet A003 New Floor Plan at Nourishment Station shows a sink. Plumbing sheet M011 Partial Plumbing Plan shows no sink and room is called 'Clean Storage'. Sheet A003 shows 2 rooms in that location: Nourishment Station and Clean Storage. The same layout discrepancy occurs in the Mechanical Renovation Plan (M009), Med Gas Plan (M012), and Fire Sprinkler Plan (M013). Please advise as to which floor plan is the correct one.

NOTE: Electrical and Fire Alarm new floor plans match the Architectural sheet.

A: [Please refer to revised Mechanical Plans attached.](#)

8. Q: Please provide details for the existing window flashing for the existing windows at the waiting room/lobby.

A: [Detail as shown below.](#)



9. Q: The existing Aluminum Windows used in Phase 2 of the project were impact rated (hurricane). However, the specification for the Aluminum Windows included in

Addendum #2 are non-impact rated. Please verify if the specification is correct and that the aluminum windows are to be non-impact rated.

A: New windows are to be impact rated.

10. Q: Please provide the dimensions for Window #1.

A: 36" x 36"

11. Q: Please provide location/s where tel/data cabling are to be terminated.

A: Telephone and data cabling are to be installed and terminated by KVMH. Project only includes empty conduit, pull string and j-boxes at locations shown.

12. Q: Please confirm if existing panels "2LB" & "2LC" can be shut down to accommodate the installation/termination of new feeders for panels "2LB3" & "2LC2" respectively.

A: Power shut down would need to be scheduled with the departments that will be affected. Should the shut down be needed for an extended period, an alternate power source would need to be provided to the affect departments.

13. Q: For the canopy roof at ambulance parking, how is the 3-5/8" metal stud facia secured to structural steel frame?

A: Please refer to attached detail.

14. Q: Where is the architectural detail for the canopy roof facia and edge?

A: Please refer to attached detail.

15. Q: What is the size for Window W1?

A: 36"x36"

16. Q: On the Civil Drawing C1.0, concrete infill for planter indicates slab on grade from Waimea Canyon Road to end of planter strip. Please clarify/confirm that end of planter strip is at corner of road way.

A: See attached highlighted drawing showing planter infill slab location.

17. Q: Remark on sheet M016 about the air curtain, which states, "CONFIRM OWNER PROVIDED CONTRACTOR INSTALLED." Will the air curtain need to be provided?

A: No, we have the air curtain on hold with Pacific Mirror and Glass.



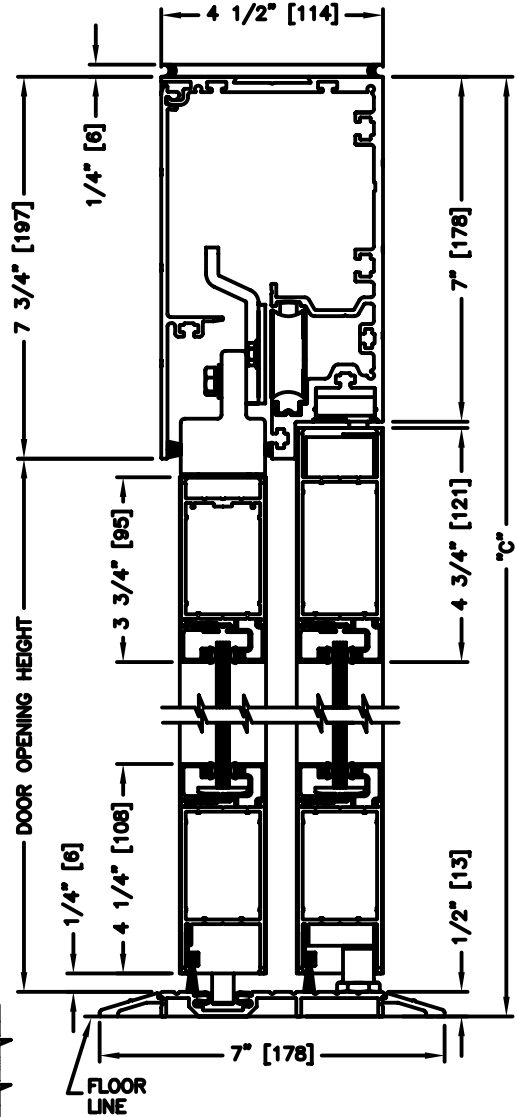
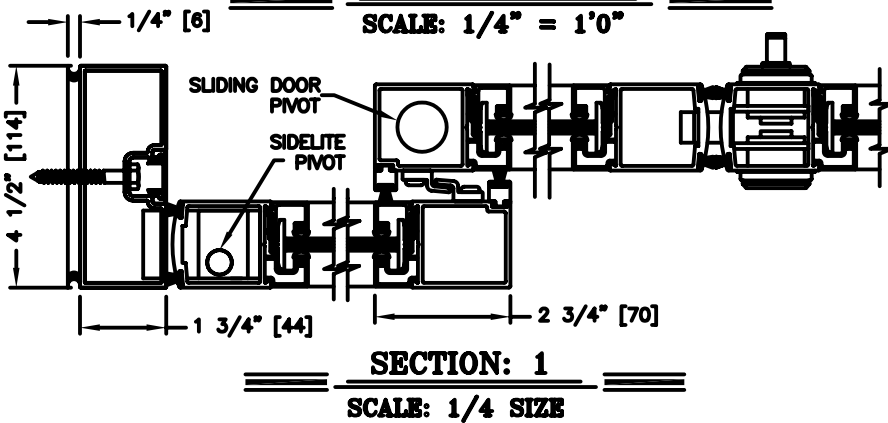
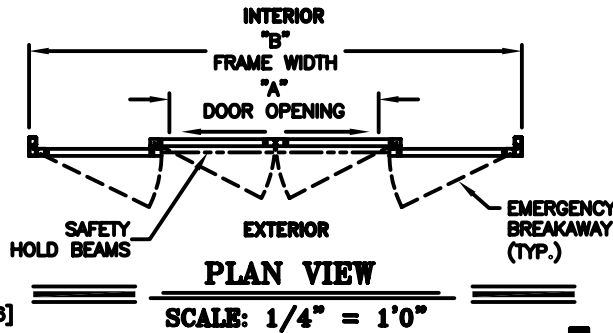
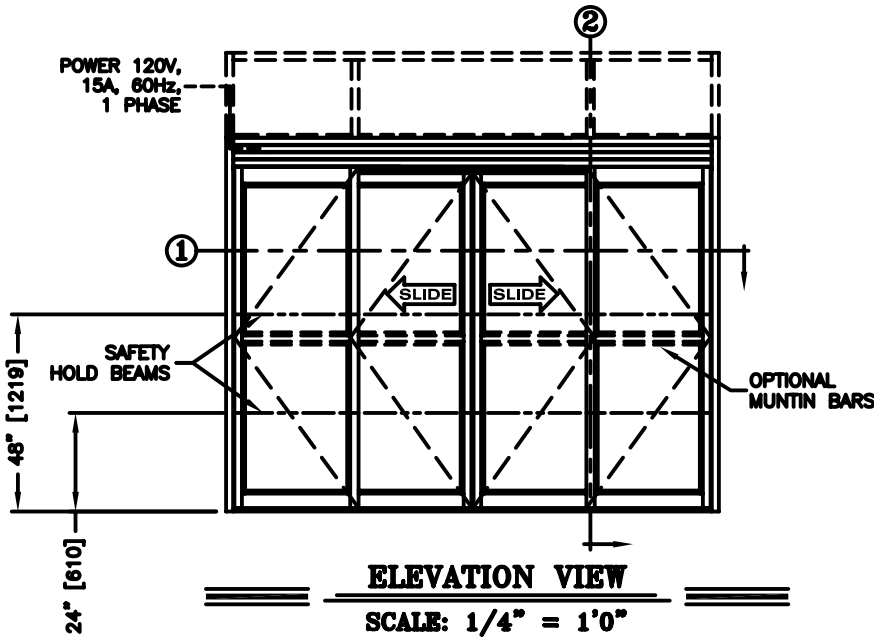
**record-usa**  
4910 STARCREST DR.  
MONROE, NC 28110  
(704) 289 - 9212

JOB NAME: \_\_\_\_\_

LOCATION: \_\_\_\_\_

SERIES 5100 AUTOMATIC SLIDING DOORS

TYPE: 5106-1, S0-SX-SX-S0, BI-PART  
PAGE 51-2.06



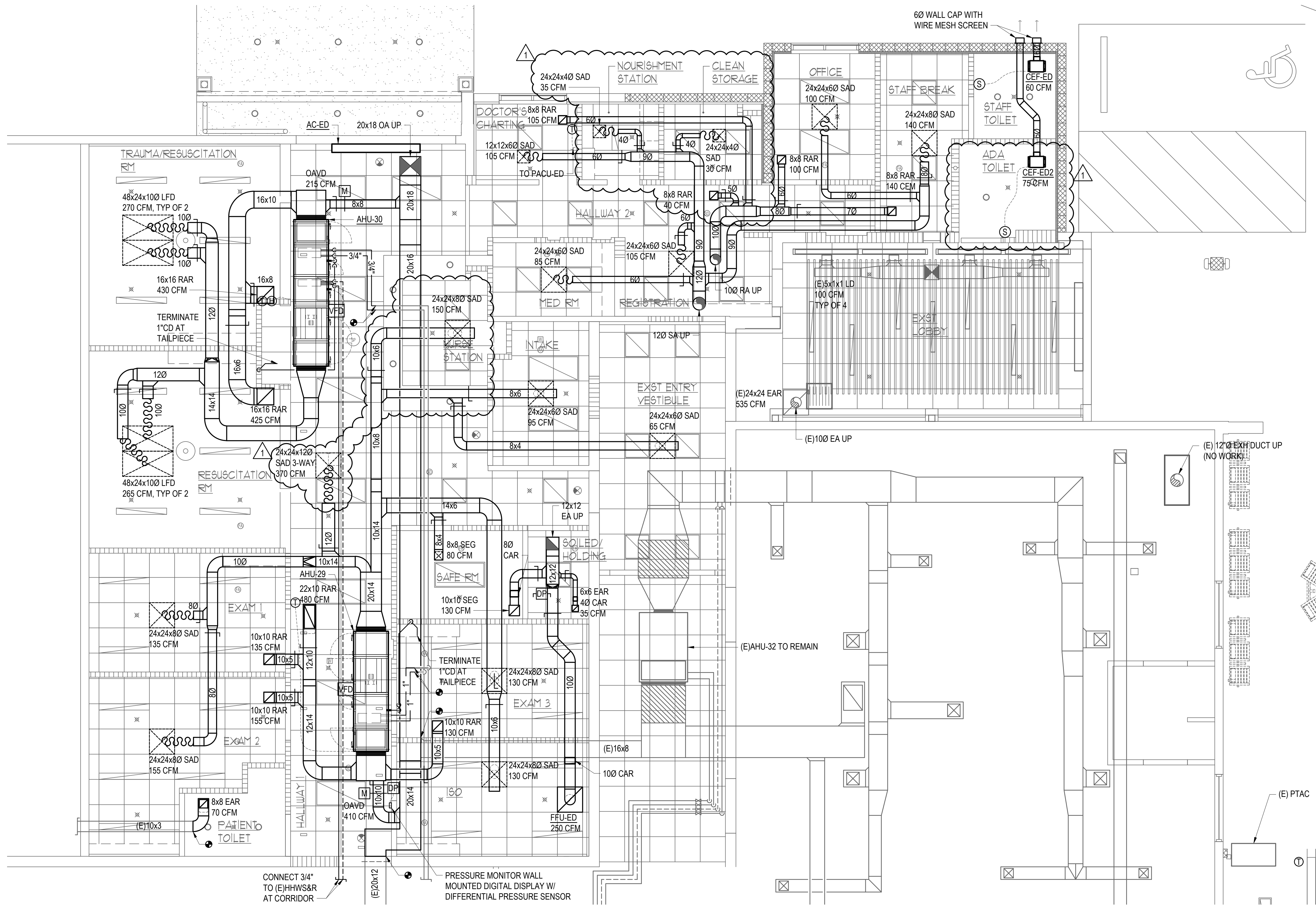
**NOTES:**

1. See sheets 51-2.86 thru 51-2.91 for optional muntins, bottom rails, transoms, glazing variations, bottom guides & thresholds.
2. See sheet 51-2.92 for additional details of recessed pin guide.

**DIMENSIONS FOR STANDARD NARROW STILE PACKAGES**

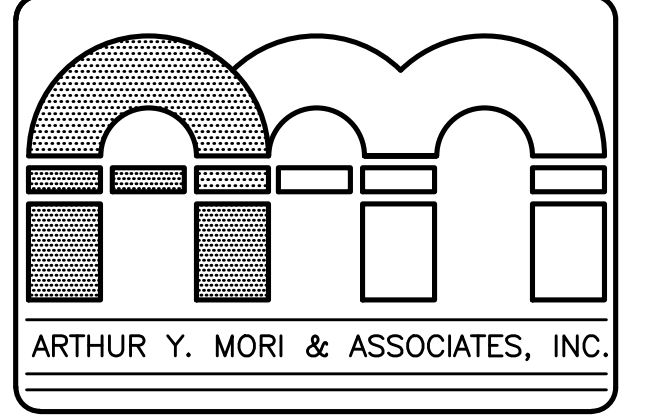
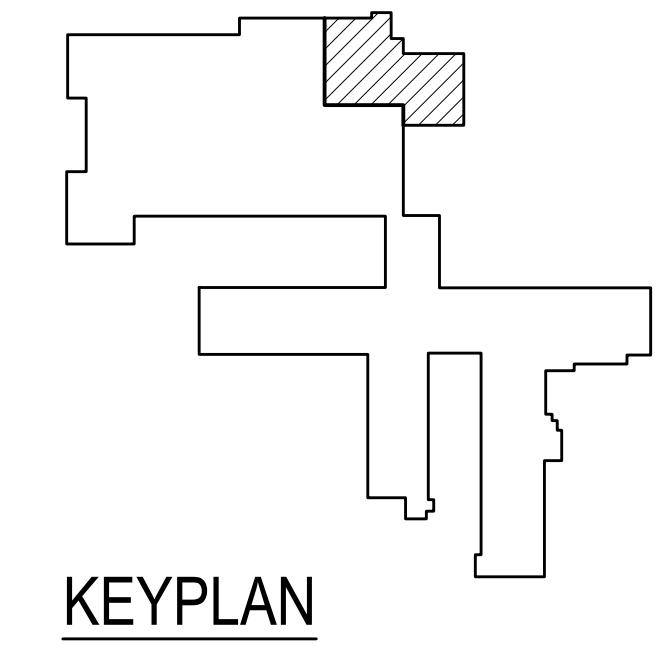
DOOR OPENING "A"	STD. PACKAGE WIDTH "B"	STD. PACKAGE HEIGHT "C" W OR W/O THRESHOLD	DOOR OPENING HEIGHT W/ THRESHOLD	DOOR OPENING HEIGHT W/O THRESHOLD OR W/RECESSED PIN	MAX. OPENING MANUALLY
42-1/2 (1080)	108 (2743)	91 (2311)	82-3/4 (2102)	83-1/4 (2115)	93-5/8 (2378)
48-1/2 (1232)	120 (3048)	91 (2311)	82-3/4 (2102)	83-1/4 (2115)	105-5/8 (2683)
60-1/2 (1537)	144 (3658)	91 (2311)	82-3/4 (2102)	83-1/4 (2115)	129-5/8 (3292)
72-1/2 (1842)	168 (4267)	91 (2311)	82-3/4 (2102)	83-1/4 (2115)	153-5/8 (3902)
84-1/2 (2146)	192 (4877)	91 (2311)	82-3/4 (2102)	83-1/4 (2115)	177-5/8 (4512)

Masonry Opening is 1/4" (6) per side larger and 1/4" taller than package dimensions.  
Measurements given in inches (millimeters).



1 MECHANICAL RENOVATION PLAN  
 SCALE: 1/4" = 1'-0"  
 1/4" = 1'-0" 0 1 2 3 4 6 8 12  
 NORTH

- NOTES:**
1. PROVIDE ROOM PRESSURE MONITOR AND WALL MOUNTED DISPLAY FOR ISO ROOM, ELECTRICAL CONTRACTOR TO PROVIDE 120V/1PH CIRCUIT.
  2. ELECTRICAL CONTRACTOR TO PROVIDE 120V/1PH CIRCUIT FOR MOTORIZED DAMPERS, UV-C LAMPS, AND AHU CONTROLS.
  3. DOOR UNDERCUTS FOR TOILET ROOMS, SOILED/HOLDING, SAFE RM, TRAUMA/RESUSCITATION RM, RESUSCITATION RM, CLEAN STORAGE, MED RM, INTAKE BY GENERAL CONTRACTOR, SEE ARCH DWGS.
  4. SAFE RM TO HAVE LIGATURE RISK RESISTANT SECURITY GRILLES (SEG) FOR SUPPLY AND EXHAUST AIR DEVICES.
  5. PROVIDE REMOTE DAMPER OPERATOR FOR VOLUME DAMPERS ABOVE HARD CEILINGS, SEE DETAIL 5/M014.



ARCHITECTS AIA  
 1314 SOUTH KING / SUITE 955  
 HONOLULU, HAWAII 96814

**EMERGENCY DEPARTMENT RENOVATION**  
 Kauai Veterans Memorial Hospital  
 4643 Waimea Canyon Drive  
 Waimea, Kauai HI 96796

TMK: 1-2-006: 035

SHEET TITLE  
 PAPER: 11x17-0" ARCHITECTURAL PAPER

NICHOLAS J. ALLDAY  
 LICENSED PROFESSIONAL ENGINEER  
 No. 10018-M  
 HAWAII, U.S.A.

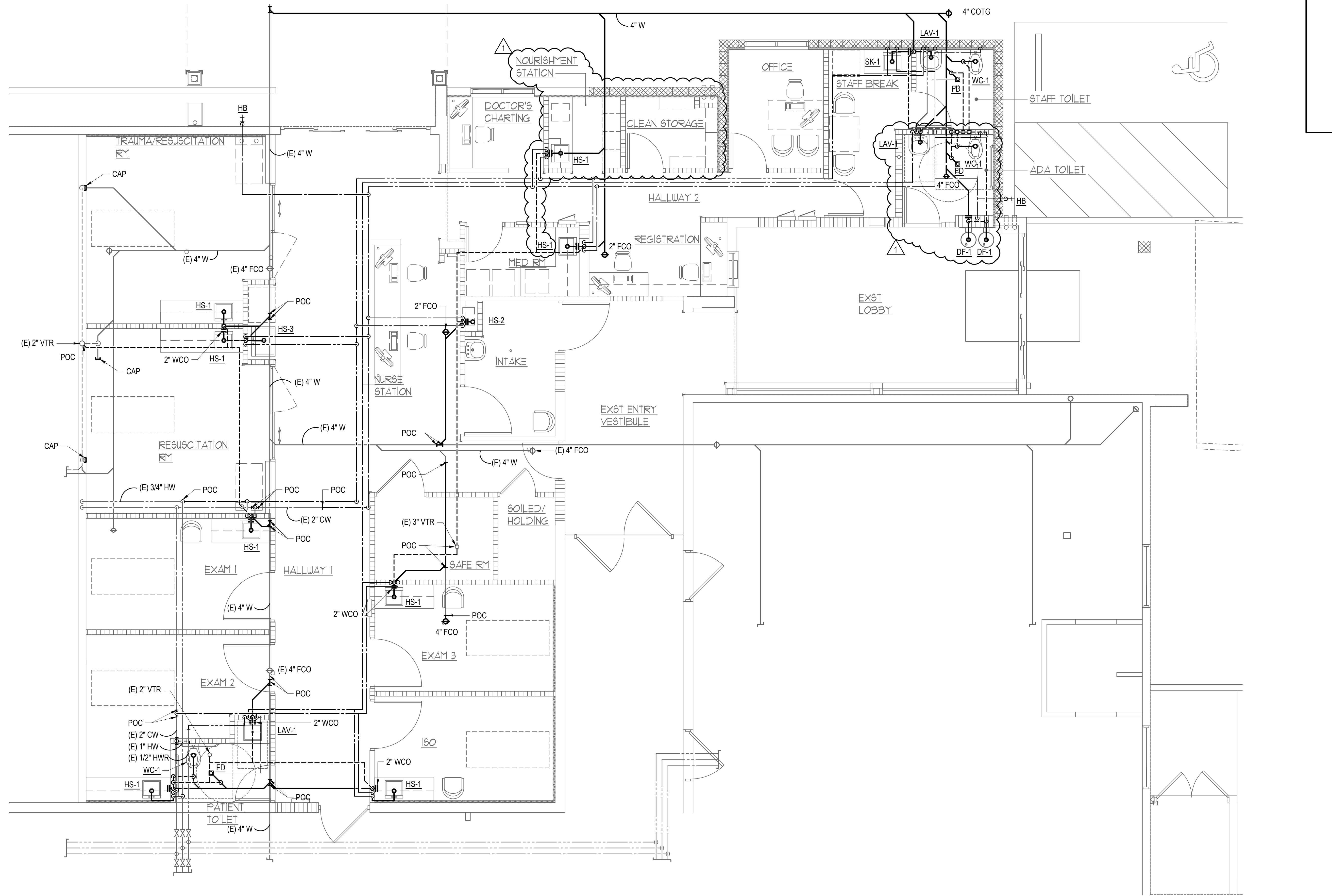
LICENSE EXPIRES: 4/30/24  
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SIGNATURE

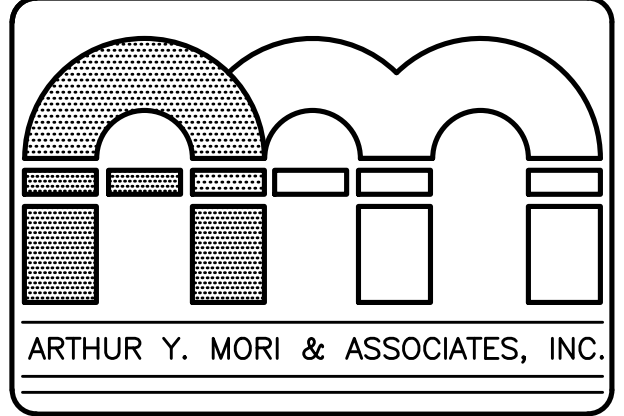
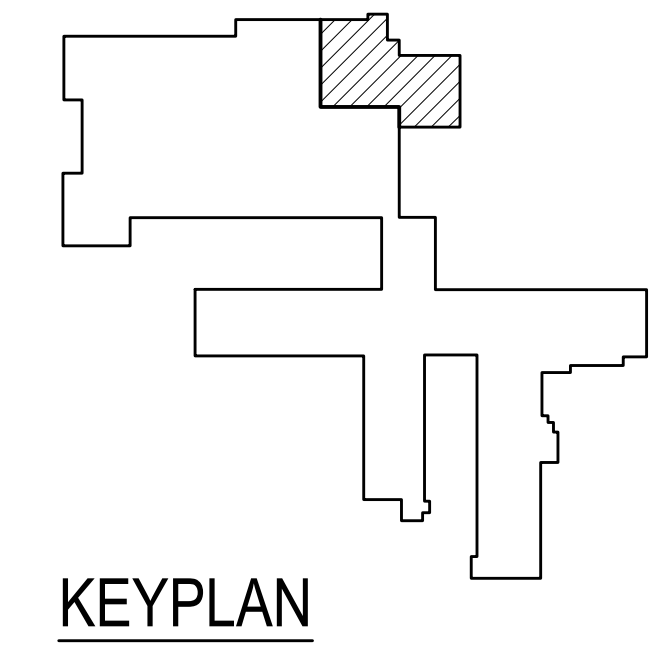
NO.	REVISION
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△	9/5/2024 ADDENDUM 1
JOB NO.	

SHEET M009 DATE January 24, 2024  
 33 OF 54 SHTS

1/4" = 1'-0" 0 1 2 3 4 5 6 8 12  
 1/8" = 1'-0" 0 1 2 3 4 5 6 8 12  
 1/16" = 1'-0" 0 1 2 3 4 5 6 8 12  
 GRAPHIC SCALES



**1 PARTIAL PLUMBING PLAN**  
 M011 SCALE: 1/4" = 1'-0"  
 1/4"=1'-0" 0 1 2 3 4 6 8 22



ARCHITECTS AIA  
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 HONOLULU, HAWAII 96814

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 Kauai Veterans Memorial Hospital  
 4643 Waimea Canyon Drive  
 Waimea, Kauai HI 96796

TWK: 1-2-006: 035

SHEET TITLE  
 PARTIAL FLOOR PLUMBING PLAN

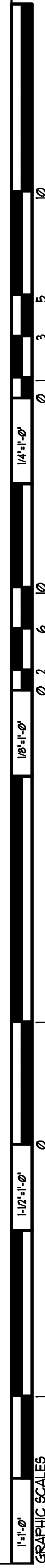
NICHOLAS J. ALLDY  
 LICENSED PROFESSIONAL ENGINEER  
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 HAWAII, U.S.A.

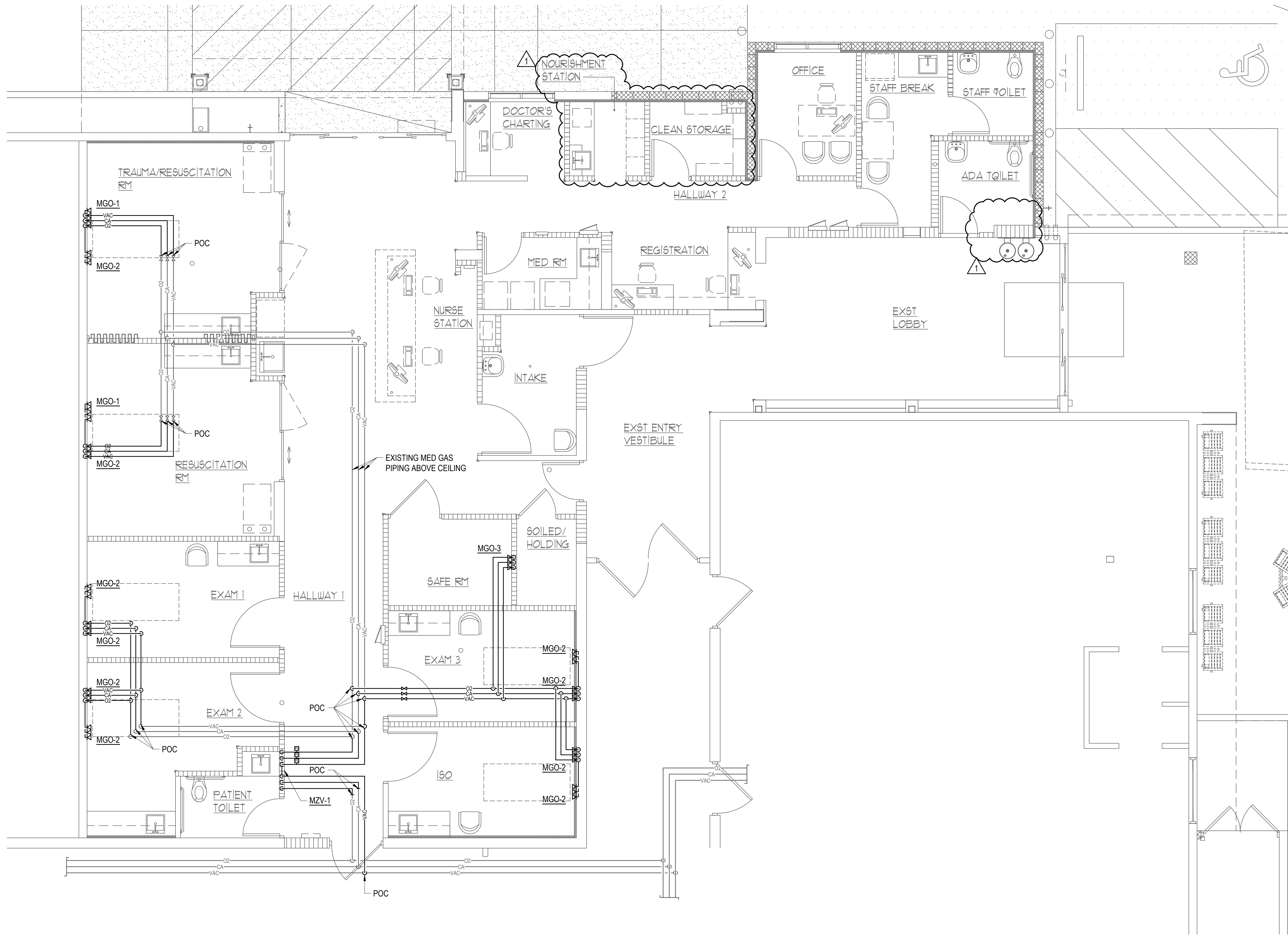
LICENSE EXPIRES: 4/30/24

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*N. Alldy*  
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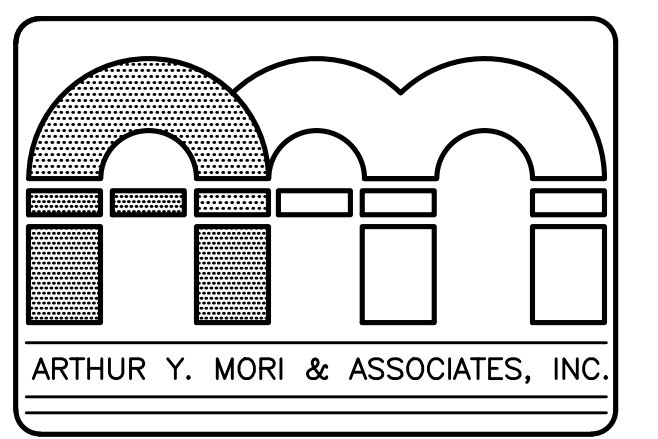
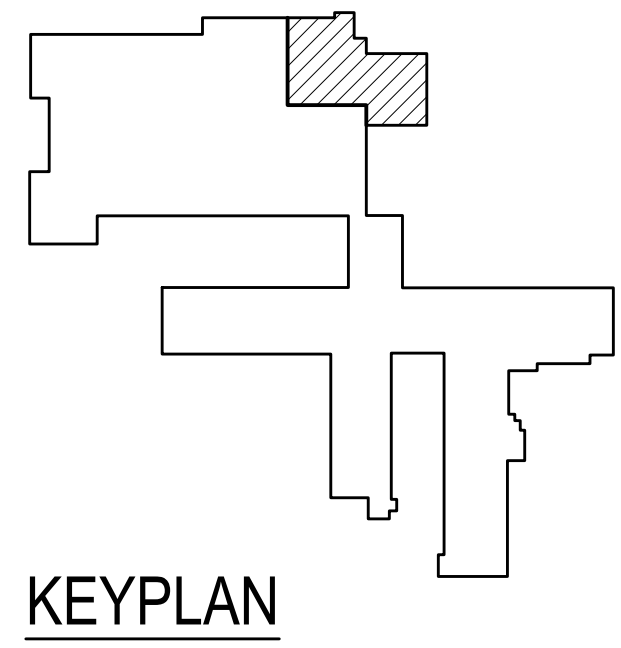
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JOB NO.	
SHEET	DATE January 24, 2024
M011	35 OF 54 SHTS





**1 MEDICAL GAS PIPING RENOVATION PLAN**  
 SCALE: 1/4" = 1'-0"  
 0 1 2 3 4 6 8 12  
 1/4" = 1'-0"

- NOTES:**
- FOR MEDICAL GAS OUTLETS AND MEDICAL VACUUM INLET INSTALLATION HEIGHTS, SEE ARCHITECTURAL DRAWINGS.
  - PROVIDE AN AREA ALARM PANEL WITH EACH MEDICAL GAS ZONE VALVE BOX (MZV), 120V/1PH/60HZ AT 1 AMP WITH EMERGENCY POWER.
  - CONTRACTOR TO LOCATE ALARM TAPS ON PATIENT SIDE OF MEDICAL GAS ZONE VALVE BOX FOR EACH ZONE, SEE SHEET M019.
  - COORDINATE CONDUIT AND WIRING FOR MEDICAL GAS AREA ALARM PANEL WITH ELECTRICAL CONTRACTOR.
  - PROVIDE MEDICAL GAS ZONE VALVE BOX WITH A LABEL DESCRIBING THE AREA SERVED: "MZV SERVES EMERGENCY DEPARTMENT"



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**EMERGENCY DEPARTMENT RENOVATION**  
 Kauai Veterans Memorial Hospital  
 4643 Waimea Canyon Drive  
 Waimea, Kauai HI 96796

TWK 1-2-006-035

SHEET TITLE  
 PARTIAL FLOOR MED GAS PIPING RENOVATION PLAN

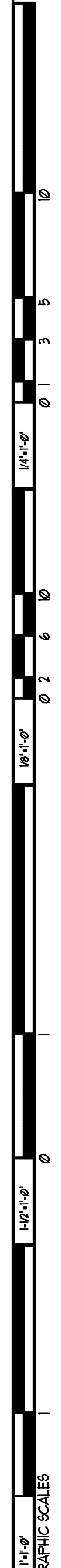
NICHOLAS J. ALLDAY  
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 HAWAII, U.S.A.

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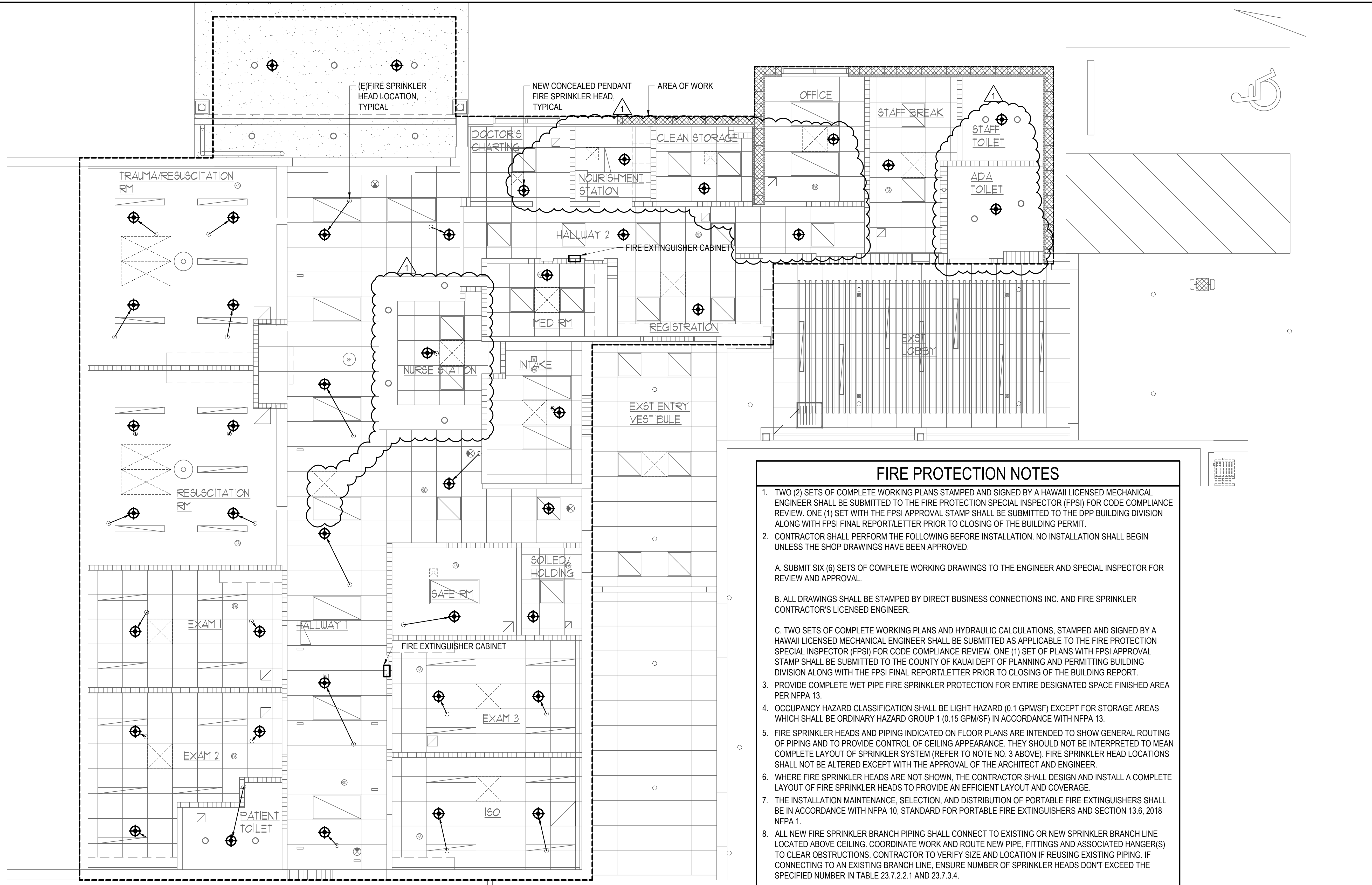
*N. Allday*  
 SIGNATURE

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JOB NO.	

SHEET **M012** DATE January 24, 2024  
 36 OF 54 SHTS







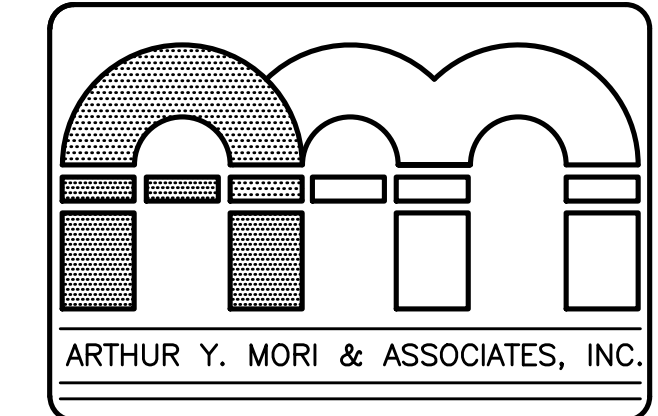
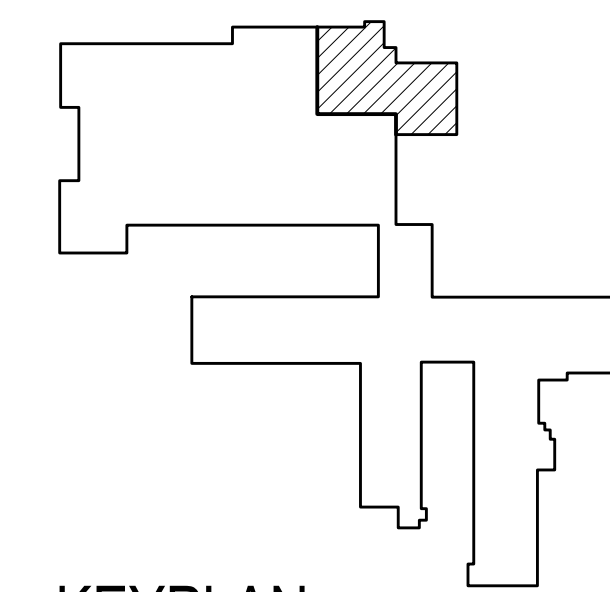
### FIRE PROTECTION NOTES

- TWO (2) SETS OF COMPLETE WORKING PLANS STAMPED AND SIGNED BY A HAWAII LICENSED MECHANICAL ENGINEER SHALL BE SUBMITTED TO THE FIRE PROTECTION SPECIAL INSPECTOR (FPSI) FOR CODE COMPLIANCE REVIEW. ONE (1) SET WITH THE FPSI APPROVAL STAMP SHALL BE SUBMITTED TO THE DPP BUILDING DIVISION ALONG WITH FPSI FINAL REPORT/LETTER PRIOR TO CLOSING OF THE BUILDING PERMIT.
- CONTRACTOR SHALL PERFORM THE FOLLOWING BEFORE INSTALLATION. NO INSTALLATION SHALL BEGIN UNLESS THE SHOP DRAWINGS HAVE BEEN APPROVED.
  - SUBMIT SIX (6) SETS OF COMPLETE WORKING DRAWINGS TO THE ENGINEER AND SPECIAL INSPECTOR FOR REVIEW AND APPROVAL.
  - ALL DRAWINGS SHALL BE STAMPED BY DIRECT BUSINESS CONNECTIONS INC. AND FIRE SPRINKLER CONTRACTOR'S LICENSED ENGINEER.
  - TWO SETS OF COMPLETE WORKING PLANS AND HYDRAULIC CALCULATIONS, STAMPED AND SIGNED BY A HAWAII LICENSED MECHANICAL ENGINEER SHALL BE SUBMITTED AS APPLICABLE TO THE FIRE PROTECTION SPECIAL INSPECTOR (FPSI) FOR CODE COMPLIANCE REVIEW. ONE (1) SET OF PLANS WITH FPSI APPROVAL STAMP SHALL BE SUBMITTED TO THE COUNTY OF KAUAI DEPT OF PLANNING AND PERMITTING BUILDING DIVISION ALONG WITH THE FPSI FINAL REPORT/LETTER PRIOR TO CLOSING OF THE BUILDING REPORT.
- PROVIDE COMPLETE WET PIPE FIRE SPRINKLER PROTECTION FOR ENTIRE DESIGNATED SPACE FINISHED AREA PER NFPA 13.
- OCCUPANCY HAZARD CLASSIFICATION SHALL BE LIGHT HAZARD (0.1 GPM/SF) EXCEPT FOR STORAGE AREAS WHICH SHALL BE ORDINARY HAZARD GROUP 1 (0.15 GPM/SF) IN ACCORDANCE WITH NFPA 13.
- FIRE SPRINKLER HEADS AND PIPING INDICATED ON FLOOR PLANS ARE INTENDED TO SHOW GENERAL ROUTING OF PIPING AND TO PROVIDE CONTROL OF CEILING APPEARANCE. THEY SHOULD NOT BE INTERPRETED TO MEAN COMPLETE LAYOUT OF SPRINKLER SYSTEM (REFER TO NOTE NO. 3 ABOVE). FIRE SPRINKLER HEAD LOCATIONS SHALL NOT BE ALTERED EXCEPT WITH THE APPROVAL OF THE ARCHITECT AND ENGINEER.
- WHERE FIRE SPRINKLER HEADS ARE NOT SHOWN, THE CONTRACTOR SHALL DESIGN AND INSTALL A COMPLETE LAYOUT OF FIRE SPRINKLER HEADS TO PROVIDE AN EFFICIENT LAYOUT AND COVERAGE.
- THE INSTALLATION MAINTENANCE, SELECTION, AND DISTRIBUTION OF PORTABLE FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS AND SECTION 13.6, 2018 NFPA 1.
- ALL NEW FIRE SPRINKLER BRANCH PIPING SHALL CONNECT TO EXISTING OR NEW SPRINKLER BRANCH LINE LOCATED ABOVE CEILING. COORDINATE WORK AND ROUTE NEW PIPE, FITTINGS AND ASSOCIATED HANGER(S) TO CLEAR OBSTRUCTIONS. CONTRACTOR TO VERIFY SIZE AND LOCATION IF REUSING EXISTING PIPING. IF CONNECTING TO AN EXISTING BRANCH LINE, ENSURE NUMBER OF SPRINKLER HEADS DONT EXCEED THE SPECIFIED NUMBER IN TABLE 23.7.2.2.1 AND 23.7.3.4.
- BOTTOM OF FIRE EXTINGUISHER CABINETS SHALL BE INSTALLED AT 26.5" ABOVE FINISHED FLOOR; SEE PLANS FOR LOCATIONS.
- PROVIDE PORTABLE FIRE EXTINGUISHER(S) (4A:60B:C) IN ACCORDANCE WITH 2018 NFPA 1 SECTION 13.6, 2018 NFPA STANDARD 10, MEET 75 FEET TRAVEL DISTANCE, NORMAL PATHS OF TRAVEL. INSTALLATION SHALL BE IN ACCORDANCE WITH 2018 NFPA STANDARD 10.
- PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINETS; UNIT "BREAK GLASS" HANDLE AND PROVIDE NONLOCKING LATCH.
- UNLESS OTHERWISE SHOWN ON DRAWINGS, HEADS SHALL BE LOCATED IN THE CENTER OF CEILING PANELS.
- STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND 2018 NFPA 1, CHAPTER 16.
- CONTRACTOR SHALL PAY ALL FEES AND COORDINATE WITH COUNTY OF KAUAI DEPARTMENT OF WATER TO PERFORM FIRE HYDRANT FLOW TEST TO OBTAIN PROJECT DESIGN PRESSURE AND FLOW RATES. SPRINKLER DESIGN MUST PROVIDE A 10% SAFETY FACTOR APPLIED TO THE WATER SUPPLY DATA PROVIDED.
- ALL DEVICES AND EQUIPMENT SHALL BE UL LISTED OR FM APPROVED.
- PRIOR TO ANY OUTAGE INFORM THE BUILDING ENGINEER AND FIRE DEPARTMENT. THE CONTRACTOR SHALL COMPLY WITH OSHA 29 CFR 120.36 AND 19 CFR 1920.37. MAXIMUM SYSTEM IMPAIRMENT SHALL NOT EXCEED 8 HOURS. PROVIDE FIRE EXTINGUISHERS AND FIRE WATCH IF SPRINKLER SYSTEM IS OUT OF SERVICE FOR MORE THAN FOUR HOURS IN A 24 HOUR PERIOD OR AS DIRECTED BY THE FIRE DEPARTMENT.

### NOTES:

- CONTRACTOR TO VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
- PROVIDE FIRESTOPPING AT ALL PIPE PENETRATIONS THROUGH EXISTING FIRE RATED WALLS AS REQUIRED.
- PROVIDE NEW CONCEALED PENDANT FIRE SPRINKLER HEADS AND CONNECT TO NEW OR EXISTING FIRE SPRINKLER PIPING LOCATED ABOVE CEILING.
- PROVIDE LIGATURE RESISTANT INSTITUTIONAL PENDENT QUICK RESPONSE SPRINKLER WITH TAMPER RESISTANT FEATURES IN SAFE RM, TYCO RAVEN 5.6K.

1 PARTIAL FLOOR FIRE SPRINKLER PLAN  
 SCALE: 1/4" = 1'-0"  
 1/4"=1'-0" 0 1 2 3 4 6 8 12  
 NORTH



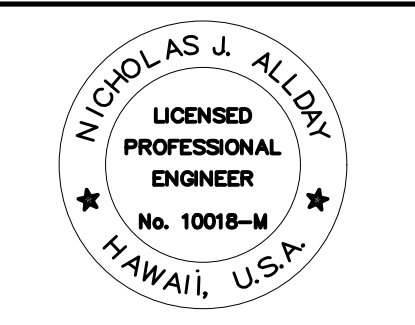
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### EMERGENCY DEPARTMENT RENOVATION

Kauai Veterans Memorial Hospital  
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TWK 1-2-006: 035

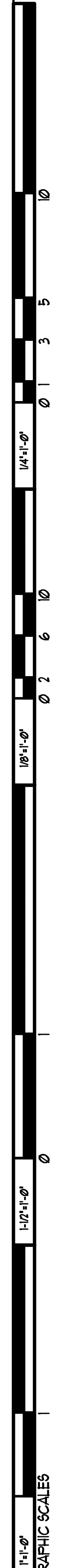
SHEET TITLE  
 PARTIAL FLOOR FIRE SPRINKLER PLAN



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 SIGNATURE

NO.	REVISION
▲	
▲	
▲	
▲	9/5/2024 ADDENDUM 1
JOB NO.	

SHEET M013 DATE January 24, 2024  
 37 OF 54 SHTS



### FAN SCHEDULE

MARK	LOCATION	SERVICE	TYPE	CFM	ESP (IN WG)	OUTLET VELOCITY FPM	FAN RPM	HP	FLA	VOLTS	PH	SONES	dBa	UNIT WEIGHT (LBS)	REMARKS
CEF-ED	STAFF TOILET	GENERAL EXHAUST	CENTRIFUGAL CEILING DIRECT DRIVE	60	0.25	-	838	-	0.29	120	1	1.0	-	14	EC MOTOR, ENERGY STAR CERTIFIED, INTEGRAL BACKDRAFT DAMPER, PROVIDE WALL SWITCH.
CEF-ED2	ADA TOILET	GENERAL EXHAUST	CENTRIFUGAL CEILING DIRECT DRIVE	75	0.25	-	773	-	0.25	120	1	1.5	-	10	EC MOTOR, ENERGY STAR CERTIFIED, INTEGRAL BACKDRAFT DAMPER, PROVIDE WALL SWITCH.
EF-ED	ROOF	GENERAL EXHAUST	CENTRIFUGAL ROOF UPBLAST DIRECT DRIVE	415	0.5	358	1400	1/6	1.5	120	1	6.9	53	39	GREENHECK CUE-095-VG, CONFIRM OWNER PROVIDED CONTRACTOR INSTALLED. EC MOTOR, ALUMINUM HOUSING, BACKWARD INCLINED ALUMINUM WHEEL, ALUMINUM CURB CAP, ALUMINUM CURB ADAPTER AS REQUIRED, STAINLESS STEEL FASTENERS, HINGE, CORROSION COATING, TYPE 316 SS BIRDSCREEN, GRAVITY DAMPER, HIGH WIND RATED CONSTRUCTION.
EF-ED2	ROOF	GENERAL EXHAUST	CENTRIFUGAL ROOF UPBLAST DIRECT DRIVE	535	0.5	418	1219	1/4	2.85	120	1	6.2	52	43	EC MOTOR, ALUMINUM HOUSING, BACKWARD INCLINED ALUMINUM WHEEL, ALUMINUM CURB CAP, STAINLESS STEEL FASTENERS, HINGE, CORROSION COATING, TYPE 316 SS BIRDSCREEN, GRAVITY DAMPER, HIGH WIND RATED CONSTRUCTION.
FFU-ED	ISO	All EXHAUST	HEPA FAN FILTER UNIT	250	-	-	-	185W	-	120	1	-	52	58	REVERSE FLOW, ROOM SIDE REMOVABLE HEPA FILTER, EC MOTOR, WALL SWITCH, INTERLOCK WITH MOTORIZED DAMPER.

### AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	SENSIBLE COOLING CAPACITY (MBH)	TOTAL COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	EAT		CHILLED WATER				LAT		HEATING HOT WATER				LAT		PRE-FILTER			FINAL FILTER			MAX COIL VELOCITY (FPM)	ESP IN WG	FAN RPM	FAN QTY	HP EACH	VOLTS	PH	HZ	MCA	MOCP	UNIT WEIGHT (LBS)	REMARKS		
							DB °F	WB °F	EWT °F	LWT °F	NO. OF ROWS	FINS PER FT	GPM	PD FT HD	DB °F	EWT °F	LWT °F	NO. OF ROWS	FINS PER FT	GPM	PD FT HD	DB °F	TYPE	EFF	AREA SQ FT	TYPE													EFF	AREA SQ FT
AHU-29	HALLWAY 1	30.4	45.6	-	1310	410	78.5	67.3	44	56	8	8	8.4	1.6	55	-	-	-	-	-	55	2"	MERV 8	5.56	12"	MERV 14	4	450	1	2767	1	1.5	208	3	60	5.6	10	1043	SEE NOTE [1].	
AHU-30	HALLWAY 1	20.9	29.8	18.7	1070	215	71.1	62.1	44	56	8	8	5.2	0.6	53	140	120	1	8	1.8	0.1	68	2"	MERV 8	5.56	12"	MERV 14	4	450	1	3217	1	1	208	3	60	3.9	6	1218	SEE NOTE [1].

NOTES:  
 [1]. PROVIDE DOUBLE WALLED UNIT WITH 2" INSULATION, ALUMINUM FIN WITH COPPER TUBE COOLING COIL WITH STAINLESS STEEL CASING, STAINLESS STEEL DRAIN PAN, 10000 HOUR SALT SPRAY PHENOLIC/HERESITE COOLING COIL COATING WITH UV PROTECTION, UV-C LIGHTS 120V/1PH, 7.5W/SF OF COIL AREA, DIRECT DRIVE PLENUM FAN WITH PREMIUM EFFICIENCY MOTORS, VFD.

### EXISTING PACKAGED AIR CONDITIONING UNIT SCHEDULE

MARK	MANUFACTURER AND MODEL	LOCATION	SUPPLY AIR CFM MAX/ MIN	OUTSIDE AIR CFM MAX/ MIN	RETURN AIR CFM MIN/ MAX	ESP (IN WG)	COOLING CAPACITY (MBH) SEE NOTE [2]			COOLING COIL			HOT GAS REHEAT (MBH)	EAT SEE NOTE [2]		LVG DEW POINT (°F)	REHEAT LEAVING DB (°F)	AMBIENT AIR TEMP (°F)	REFR TYPE	FILTER		SUPPLY FAN			CONDENSER FAN			COMPRESSOR		ELECTRICAL				EER	DBA	UNIT WEIGHT (LBS)	REMARKS	
							TOTAL	SENSIBLE	LATENT	ROWS	FINS/IN	MAX VELOCITY		DB (°F)	WB (°F)					TYPE	EFF	QTY	HP	FLA	QTY	HP	FLA	QTY	RLA	LRA	VOLTS	PH	MCA					MOCP
(E)PACU-ED	AAON RN-006-3-EA09	ROOF	1005	620	385	1.0	49.5/48.7	22.6/28.0	26.9/20.7	2	14	450	19.5	78.4/82.3	72.1/71.2	50	70	95.0	R-410A	4"	MERV 14	1	2	3.4	1	1/3	1.6	1	8.1	-	460	3	15	20	10.5	78	1061	SEE NOTE [1].

NOTES:  
 [1]. EXISTING DOUBLE WALL CONSTANT VOLUME PACKAGED AC UNIT TO REMAIN. REPLACE FILTERS AND UV LIGHT, CLEAN, AND ADJUST EC MOTOR SETTINGS FOR AIRFLOW AS SCHEDULED.  
 [2]. DEHUMIDIFICATION DESIGN CONDITION / COOLING DESIGN CONDITION SHOWN.

### AIR CURTAIN SCHEDULE

MARK	LOCATION	AIR SPEED FPM	CFM	NO. OF FAN MOTORS	HP EACH	VOLTS	Ø	HZ	FLA	MCA	dBa	UNIT WEIGHT (LBS)	LENGTH INCHES	REMARKS
AC-ED	ED ENTRY AREA	1800	2100	2	43/256	120	1	60	4.8	6	53	75	86	MARS LPV284-2UA-OB, CONFIRM OWNER PROVIDED CONTRACTOR INSTALLED. INTERLOCK WITH DOOR SWITCH, FAN SHALL ENERGIZE UPON OPENING OF DOOR.

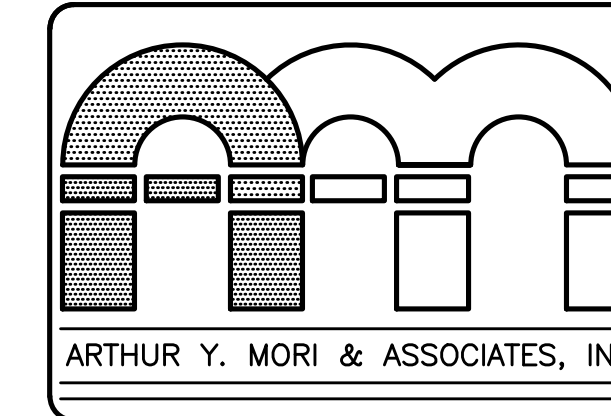
### DUCTWORK CONSTRUCTION AND LEAKAGE TESTING TABLE

SYSTEM	DUCT PRESSURE CLASS INCHES OF WATER COLUMN				SUPPLY				RETURN/ OUTSIDE AIR		DUCT TEST PRESSURE: IN WG	REMARKS, SEE NOTES INDICATED
	SUPPLY DUCT	RETURN DUCT	EXHAUST DUCT	OUTSIDE AIR DUCT	ROUND/OVAL		RECTANGULAR		DUCT SEAL CLASS	DUCT LEAK CLASS		
					DUCT SEAL CLASS	DUCT LEAK CLASS	DUCT SEAL CLASS	DUCT LEAK CLASS				
AIR HANDLING UNIT, PACKAGED AC UNIT	2	-	-	-	A	3	A	6	-	-	2.0	SEE NOTES [1], [2], [4]
	-	-2	-	-	-	-	-	-	A	6	2.0	SEE NOTES [1], [2], [4]
	-	-	-	-2	-	-	-	-	A	6	2.0	SEE NOTES [1], [2], [4]
GENERAL EXHAUST DUCTWORK	-	-	-2	-	A	3	A	6	-	-	2.0	SEE NOTES [1], [2], [4]

NOTES:  
 [1] TEST IN ACCORDANCE WITH UFGS 23 05 93, TESTING, ADJUSTING, AND BALANCING FOR HVAC AND THE PROCEDURES IN SMACNA HVAC AIR DUCT LEAKAGE TEST MANUAL.  
 [2] DUCT SEAL CLASS A IS REQUIRED ON ALL DUCT SYSTEMS.  
 [3] UNLESS OTHERWISE INDICATED, MOTORIZED DAMPERS IN EXHAUST DUCTS AND OUTSIDE AIR DUCTS SHALL BE LOW-LEAKAGE TYPE.

### AIR DEVICE SCHEDULE

MARK	TYPE	DESCRIPTION	SIZE INDICATION	REMARKS
SAG	SUPPLY AIR GRILLE	3/4" BLADE SPACING, DOUBLE DEFLECTION, ALUMINUM, WHITE FINISH	DUCT SIZE	FRAME TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
SAR	SUPPLY AIR REGISTER	SAME AS SAG WITH OPPOSED BLADE VOLUME DAMPER OPERABLE FROM FACE OF GRILLE.	DUCT SIZE	FRAME TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
LFD	LAMINAR FLOW DIFFUSER	INTEGRAL EQUALIZATION BAFFLE, ADJUSTABLE INLET DAMPER, ALUMINUM OR STAINLESS STEEL, WHITE FINISH	FACE SIZE x NECK SIZE	ASHRAE 170 GROUP E, FRAME TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
SAD	SUPPLY AIR DIFFUSER	LOUVERED FACE WITH MOVABLE VANES, ACCESSIBLE FROM THE FACE TO ADJUST THE DISCHARGE PATTERN, ALUMINUM, WHITE FINISH	FACE SIZE x NECK SIZE	PROVIDE CORES FOR 1-, 2-, 3-, OR 4-WAY AIRFLOW AS REQUIRED. FRAME TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
SEG	SECURITY GRILLE	RISK RESISTANT WITH 3/16" DIAMETER HOLES ON 9/32" STAGGERED CENTERS, 3/16" FLANGE WELDED TO 3/16" SLEEVE, STEEL, WHITE FINISH	DUCT SIZE	COUNTERSUNK TORX SCREW HOLES IN FACE, SUPPLY AND EXHAUST, KEES MODEL SEG-9SP3.
RAG	RETURN AIR GRILLE	3/4" BLADE SPACING, 45° FIXED DEFLECTION, ALUMINUM, WHITE FINISH	DUCT SIZE	BORDER TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
RAR	RETURN AIR REGISTER	SAME AS RAG WITH OPPOSED BLADE VOLUME DAMPER OPERABLE FROM FACE OF GRILLE.	DUCT SIZE	BORDER TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
TG	TRANSFER AIR GRILLE	SAME AS RAG	DUCT SIZE	BORDER TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
EAG	EXHAUST AIR GRILLE	SAME AS RAG	DUCT SIZE	BORDER TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.
EAR	EXHAUST AIR REGISTER	SAME AS RAG WITH OPPOSED BLADE VOLUME DAMPER OPERABLE FROM FACE OF GRILLE.	DUCT SIZE	BORDER TYPE TO MATCH CEILING, SEE ARCH DRAWINGS.

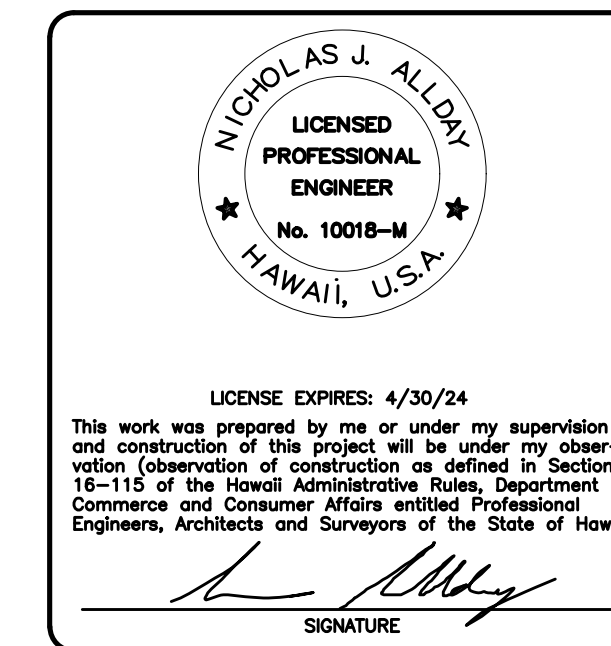


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 Waimea, Kauai HI 96796

TWK 1-2-006-005

SHEET TITLE  
 MECHANICAL SCHEDULES



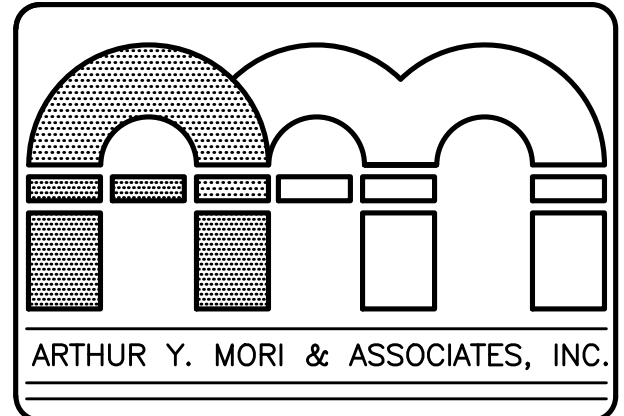
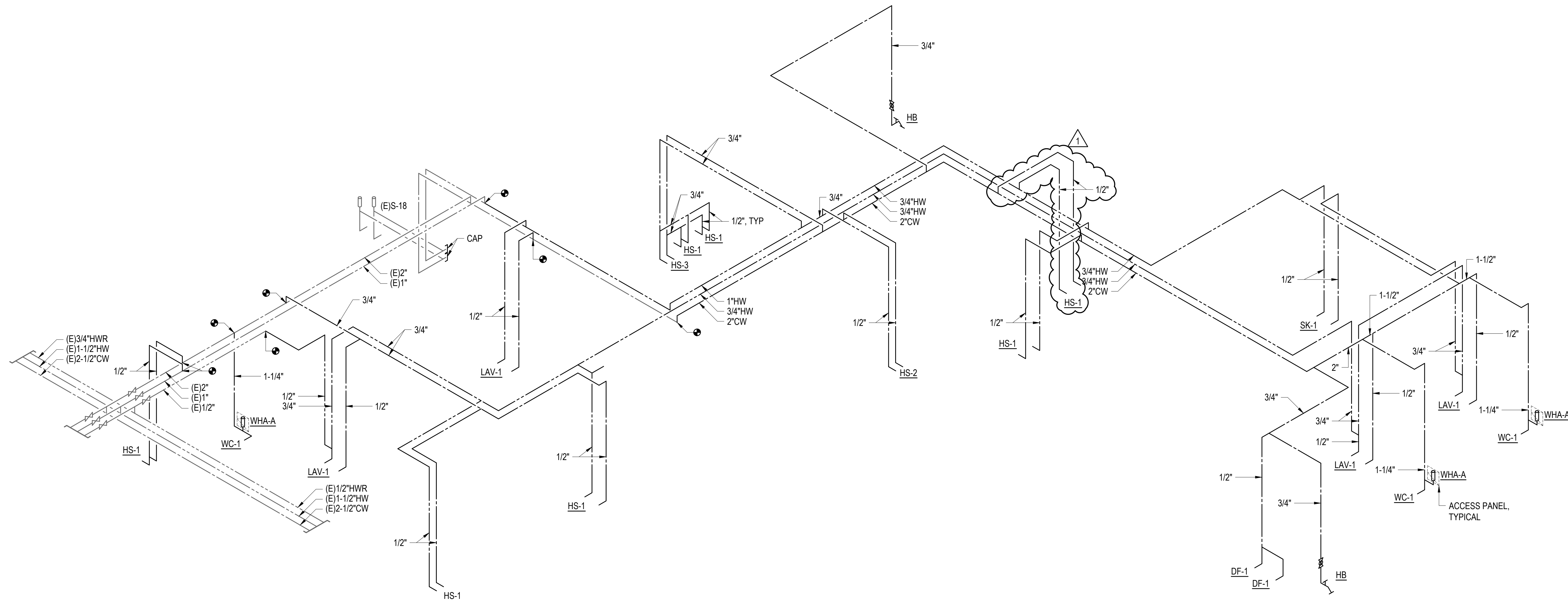
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**M016**  
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 40 OF 54 SHTS

1/4"=1'-0" 0 1 2 3 4 5 6 7 8 9 10  
 1/8"=1'-0" 0 1 2 3 4 5 6 7 8 9 10  
 1/16"=1'-0" 0 1 2 3 4 5 6 7 8 9 10  
 GRAPHIC SCALES

**NOTES:**

1. PROVIDE ANGLE STOP VALVES AT ALL SINKS, HAND SINKS AND LAVATORY FIXTURES. PROVIDE STOP COCK AT ALL HOSE BIBBS.
2. LAVATORY HOT WATER BRANCH NOT TO EXCEED 2 FEET IN LENGTH FROM HOT WATER LOOP.
3. PROVIDE WATER HAMMER ARRESTOR WITH ACCESS PANEL FOR ALL WATER CLOSET FLUSH VALVES.
4. PROVIDE INSULATION ON ALL HOT WATER PIPING. REPAIR ALL DAMAGED INSULATION ON EXISTING HOT WATER PIPING TO REMAIN.



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SHEET TITLE  
DOMESTIC WATER PIPING DIAGRAM

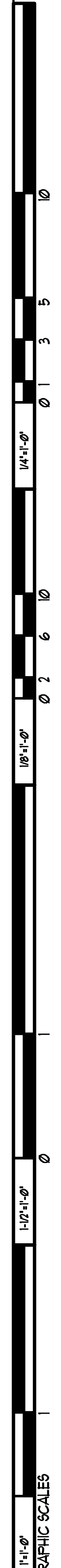
NICOLAS J. ALLDAY  
LICENSED PROFESSIONAL ENGINEER  
No. 10018-M  
HAWAII, U.S.A.

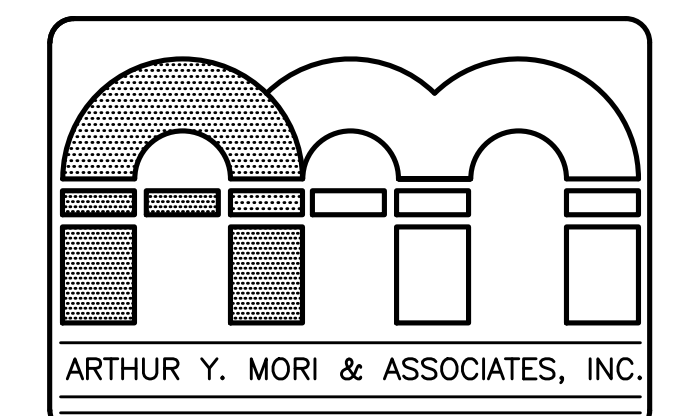
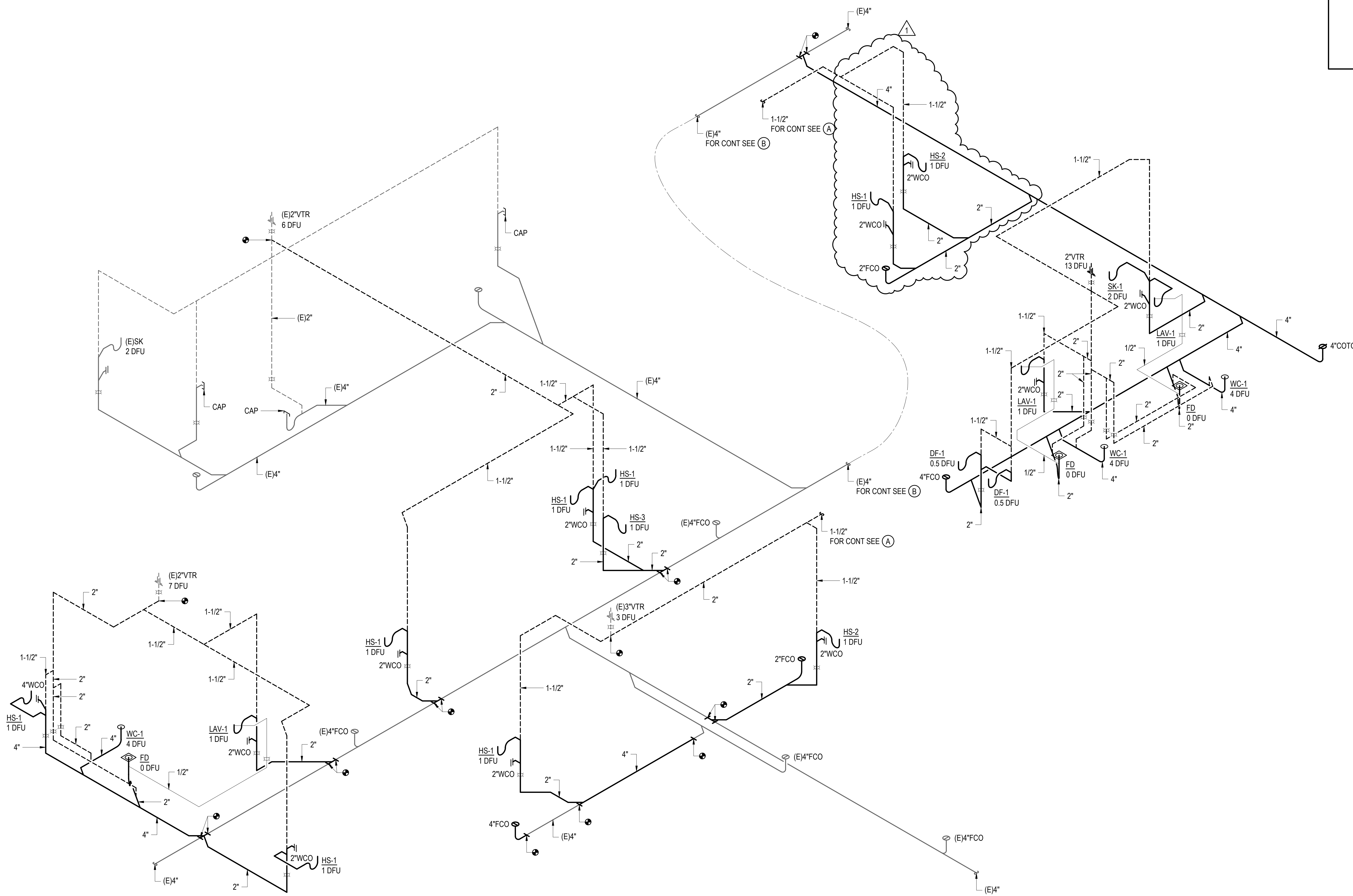
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*[Signature]*  
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SHEET TITLE  
WASTE AND VENT PIPING DIAGRAM

NICOLAS J. ALLDAY  
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LICENSE EXPIRES: 4/30/24

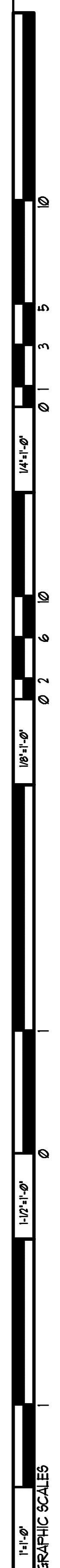
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*N. Allday*  
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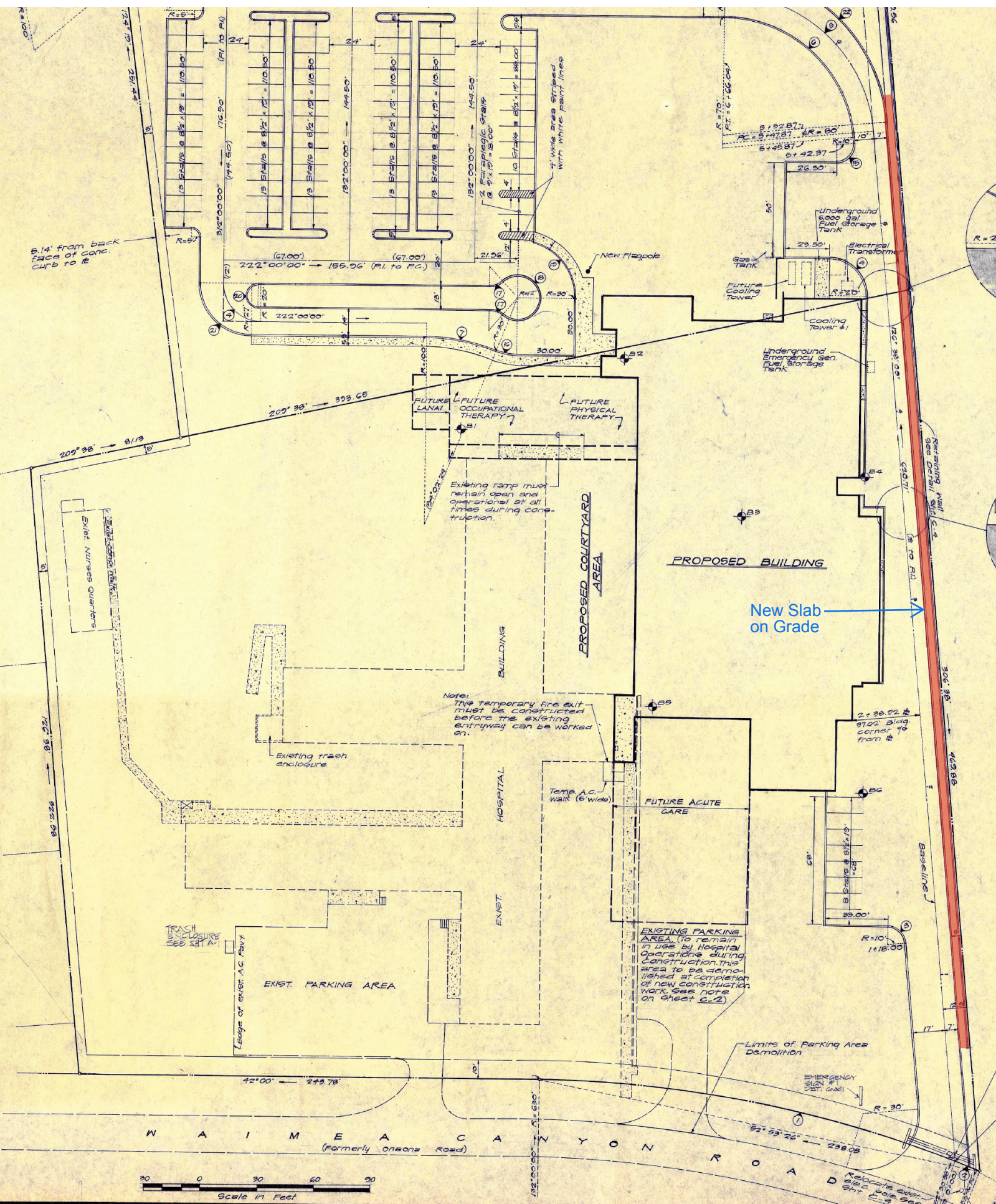
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JOB NO.	

SHEET M021 DATE January 24, 2024  
45 OF 54 SHTS

1 WASTE AND VENT PIPING DIAGRAM  
SCALE: NTS



# PLANTER SLAB



New Slab on Grade

