

GENERAL NOTES:

1. CONFORM TO ALL REQUIREMENTS OF THE 2012 IBC, 2018 UPC, 2015 IECC, AND 2012 NFPA 1 CODES OF CITY AND COUNTY OF HONOLULU, STATE OF HAWAII HEALTH REGULATIONS, FIRE DEPARTMENT REGULATIONS, MANUFACTURER’S RECOMMENDATIONS, AND OTHER APPLICABLE REGULATIONS.
2. EXAMINE ALL PROJECT PLANS AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND THE EXTENT OF REMOVAL, RELOCATION, AND/OR NEW WORK PRIOR TO BIDDING. NOTIFY AND COORDINATE WITH THE CONTRACTING OFFICER FOR ANY MAJOR DEVIATIONS OR DISCREPANCIES DISCOVERED IN THE PLANS AND SPECIFICATIONS DUE TO UNFORESEEN OR VARYING FIELD CONDITIONS.
3. INSTALLATION SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR ONE YEAR FROM FINAL DATE OF ACCEPTANCE OF THE PROJECT AS A WHOLE.
4. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO BID AND CONSTRUCTION.
5. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING LINE SIZES, CONDITIONS, AND INVERTS PRIOR TO BID AND CONSTRUCTION.
6. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER THE COMPLETE INSTALLATION OF SYSTEMS TO FUNCTION AS DESCRIBED AND SPECIFIED. THE OMISSION OF REFERENCE TO ANY NECESSARY ITEM OF LABOR OR MATERIAL SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH LABOR AND MATERIAL AT NO ADDITIONAL COST TO THE STATE.
7. DRAWING FILES WILL NOT BE AVAILABLE TO CONTRACTORS FOR SHOP DRAWINGS OR ANY OTHER PURPOSE.
8. CAULK ALL PENETRATIONS WATERTIGHT. PROVIDE ALL CUTTING, PATCHING, AND RESTORING OF EXISTING SURFACES TO MATCH ORIGINAL SURFACE FINISHES. SPOT PAINT TO MATCH EXISTING SURFACES/COLOR.
9. PREPARE SHOP DRAWINGS, QUANTITY AS PER SPECS, SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO THE START OF WORK. NO REPRODUCTIONS OF ANY KIND OF THE CONTRACT DOCUMENTS SHALL BE ACCEPTABLE AS SHOP DRAWINGS. PROVIDE ONE SET OF REPRODUCIBLE AS–BUILT DRAWINGS SHOWING THE ACTUAL INSTALLED CONDITIONS AND SUBMIT TO THE STATE UPON COMPLETION OF WORK.
10. ALL EQUIPMENT SHALL BE CAPABLE OF FITTING INTO THE SPACES ALLOTTED WHILE MEETING THE MANUFACTURER’S RECOMMENDED ACCESS REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT AND FIXTURES ARE TO BE INSTALLED PRIOR TO ORDERING OF ITEMS AND NOTIFY THE CONTRACTING OFFICER OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT AND FIXTURES.
11. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW EVERY EXACT DETAIL OF PIPING. PROVIDE OFFSETS AS NECESSARY TO AVOID LOCAL OBSTRUCTIONS OR INTERFERENCES WITH OTHER TRADES. REVIEW ALL PIPING RUNS PRIOR TO FABRICATION AND IMMEDIATELY NOTIFY THE CONTRACTING OFFICER OF ANY INTERFERENCES AND/OR LACK OF ADEQUATE CLEARANCES.
12. SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF WORK, MARK SUCH CHANGES ON THE AS–BUILT DRAWINGS. IF THESE CHANGES REQUIRE ALTERNATE METHODS TO THOSE APPROVED BY THE CONTRACT DOCUMENTS, SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED ALTERNATE METHODS TO THE CONTRACTING OFFICER FOR REVIEW/APPROVAL PRIOR TO PROCEEDING WITH WORK.
13. CONTRACTOR SUBMITTALS ARE TO BE PROVIDED AS A COMPLETE PACKAGE. PIECEMEAL SUBMITTALS WILL NOT BE REVIEWED AND RETURNED.
14. COORDINATE ALL WORK WHICH WILL AFFECT AREAS NOT IN CONTRACT WITH THE CONTRACTING OFFICER AND HARBOR OFFICE. SCHEDULE OFF–HOUR WORK WHEN REQUIRED TO MINIMIZE DISRUPTIONS.
15. ALL STEEL SHALL BE HOT DIPPED GALVANIZED. GALVANIZED STEEL EXPOSED TO WEATHER SHALL HAVE WEATHER PROOF PAINT TO MATCH SURFACES. PROVIDE TWO EXTRA COATS OF EPOXY PAINT.
16. ALL ELECTRICAL AND CONTROL WIRING SHALL BE IN CONDUIT. PROVIDE GALVANIZED STEEL PIPE CONDUIT FOR EXPOSED TO WEATHER CONDUIT.
17. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND DELAYS.
18. SEISMICALLY BRACE ALL EQUIPMENT AND PIPING IN ACCORDANCE WITH THE CURRENT BUILDING CODE AND THEIR RESPECTIVE SEISMIC ZONE LOCATIONS.
19. LOCATE ALL UTILITY LINES OR OTHER INTERFERENCES IN AREAS OF PROPOSED WORK PRIOR TO START OF WORK. REPAIR OR PAY FOR ALL DAMAGES TO EXISTING UTILITIES.
20. PROVIDE DIELECTRIC UNIONS OR SEPARATIONS AT ALL DISSIMILAR METALS. PROVIDE UNIONS AFTER ALL SHUTOFF VALVES.
21. ALL SWITCHES ND CONTROL ITEMS SHALL BE ADA ACCESSIBLE AND SHALL BE MOUNTED AT 44” AFF AS PER ADA REQUIREMENTS OR ACCORDING TO HARBOR OFFICE STAFF INSTRUCTIONS.
22. COORDINATE ALL SWITH LOCATIONS WITH HARBOR OFFICE STAFF PRIOR TO INSTALLATION TO AVOID INTERFERENCES WITH PAINTING, BULLETIN BOARDS, FURNITURE, ETC. ANY ITEM NOT PROPERLY COORDINATED SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE STATE.
23. CONTRACTOR SHALL SCHEDULE, TAG, AND LABEL ALL VALVES AND PIPING. ALL PIPING SHALL ALSO BE LABELED WITH DIRECTION OF FLOW.
24. ALL EXTERIOR NUTS, BOLTS, SCREWS, WASHERS, FASTENERS, SUPPORTS STRAPS, ETC. SHALL BE TYP 304 STAINLESS STEEL.

MECHANICAL EQUIPMENT SCHEDULE

ALL OUTDOOR EQUIPMENT SHALL HAVE FACTORY APPLIED CORROSION INHIBITOR COATING ON CASING  
PROVIDE PHASE FAILURE/PHASE REVERSAL/OVER VOLTAGE/UNDER VOLTAGE  
ELECTRICAL PROTECTION PROVIDE CONTROL VOLTAGE TRANSFORMERS.  
PROVIDE NEMA 4, S.S ENCLOSURE FOR PUMP CONTROLLER.

LEGEND		
SYMBOL	ABBRV	DESCRIPTION
	AFF	ABOVE FINISHED FLOOR
	ACCU	AIR COOLED CONDENSING UNIT
	BLW	BELOW
↻	CV	CHECK VALVE
	CLG	CEILING
	COTG	CLEANOUT TO GRADE
—————	CW	COLD WATER
	CD	CONDENSATE
	DN	DOWN
	(E)/EXIST’G	EXISTING
	FCO	FLOOR CLEANOUT
	FCU	FAN COIL UNIT
⌘	FLR	FINISHED FLOOR
	GND	GROUND
—————	HW	HOT WATER
	LAV	LAVATORY
	MS	MOP SINK
	(N)	NEW
	OBVD	OPPOSED BLADE VOLUME DAMPER
	POC	POINT OF CONNECTION
	POR	POINT OF REMOVAL
	(R)	REMOVE
	(RE)	RE–LOCATE
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
—————	S	SANITARY
	SS	STAINLESS STEEL
⌘	SOV	SHUT OFF VALVE
	SH	SHOWER
	SC	SOLAR COLLECTOR
	SWH	SOLAR WATER HEATER
	TYP	TYPICAL
	V	VENT
	VTR	VENT THRU ROOF
	WC	WATER CLOSET
	WAC	WINDOW AIR CONDITIONER


ROSS R. TANAKA

LICENSED PROFESSIONAL ENGINEER

No. 9301-M

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION



PROJECT MECHANICAL ENGINEER

APRIL 30, 2024

EXPIRATION DATE OF LICENSE

REV	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE REPAIR HARBOR AGENT'S OFFICE AT KALAELOA BARBERS POINT HARBOR KALAELOA BARBERS POINT HARBOR, OAHU, HAWAII				
SHEET TITLE GENERAL NOTES, LEGEND				
DESIGNED BY: MEI	JOB NUMBER S10846			SHEET M-1 8 OF 16 SHEETS
DRAWN BY: MEI				
CHECKED BY: RRT				
DATE: JAN. 2023				
SCALE: AS NOTED				