	PLUM	BING LEGEND			
SYMBOL	ABBRV.	DESCRIPTION			
X	BV	BALL VALVE			
ф	BFV	BUTTERFLY VALVE			
— CD—	CD	CONDENSATE DRAIN			
	со	CLEAN OUT			
	COTG	CLEAN OUT TO GRADE			
—ī—	CV	CHECK VALVE			
	GV	GATE VALVE			
]		CAPPED/STUBOUT PIPE			
	CW	COLD WATER			
	DF	DRINKING FOUNTAIN			
	EEW	EMERGENCY EYEWASH			
	(E)	EXISTING			
	FCO	FLOOR CLEANOUT			
	FD	FLOOR DRAIN			
	НВ	HOSE BIBB			
	HW	HOT WATER			
	(N)	NEW			
	PD	PLANTER DRAIN			
I	POC	POINT OF CONNECTION			
I	POR	POINT OF CONNECTION POINT OF REMOVAL			
\bigcirc		PRESSURE GAUGE			
	RD	ROOF DRAIN			
	REF	REFRIGERATOR			
	RPBFP	REDUCED PRESS. BACKFLOW PREVEN			
	S	LAVATORY SINK			
	SAN OR W	SANITARY OR WASTE			
	SD	STORM DRAIN			
	SH	SHOWER			
	SK	SINK			
	SS	SERVICE SINK			
Γ		STRAINER			
	T&P	TEMP. AND PRESS. RELIEF VALVE			
0	Q	THERMOMETER			
		UNION			
	U	URINAL			
	V	VENT			
	VTR	VENT TO ROOF			
	WC	WATER CLOSET			
	WCO	WALL CLEAN OUT			
	WH	WATER HEATER			
	WHA	WATER HAMMER ARRESTOR			

BOARD OF WATER SUPPLY NOTE:

THE AIR CONDITIONING WORK WILL NOT AFFECT THE WATER DEMAND.

BOARD OF WATER SUPPLY NOTE:

PREMISE ID#: METER NUMBER (M/	/N):	HONOLU 79189004		RNATIONA	L AIRPORT
BWS FLOW REQUIRE					
DESCRIPTION			FU	GPM	GPD
A. PROPOSED DOME (ALL FIXTURES BE	ESTIC EING INS	STALLED)	<u>18</u>	12	
B. PROPOSED IRRIG		0	0	0	
C.OTHER			0	0	0
D. TOTAL PROPOSE	D		18	12	
E. DEMOLITION (ALL FIXTURES BE	EING RE	MOVED)	13.2	9	
F. NET CHANGE: (SUBTRACT "E" FF	rom "d"	ABOVE)	4.8	3	
G. EXISTING TO REM		99.55	62		
H. GRAND TOTAL (ADD "D" AND "G"	ABOVE)		117.55	73	
WATER DEMAND FIX				2	
				<u> </u>	
FIXTURE UNIT	QTY	<u>NEW</u> FU (EA	.) FU (TOTAL)	
JS	0	2.25		.00	
WC	5	1.7		.50	
UR	1	1.7	1.	.70	
LAV	4	0.6	2.	.40	
DF	1	0.60	0.	.60	
SH	1	1.6	1	.60	
SK	2	1.6	3.	20	
			TOTAL:	18	
	ľ	DEMO			
FIXTURE UNIT	<u>QTY</u>	FU (EA	<u>)</u> <u>FU (</u>	TOTAL)	
JS	0	2.25	0.	.00	
WC	5	1.7	8.	.50	
UR	1	1.7	1.	.70	
LAV	4	0.6	2.	.40	
DF	1	0.60		.60	
SH	0	1.6		.00	
SK	0	1.6	0.	00	

TOTAL:13.2

THE EXISTING DOMESTIC WATER METER DOES NOT SERVE ANY AUTOMATIC FIRE SPRINKLER SYSTEM. THIS WATER METER DOES SERVE AN IRRIGATION SYSTEM.

PLUMBING GENERAL NOTES:

- 1. THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPT) CODE (INCLUDING NFPA 1, AS ADOPTED BY THE STATE FIRE CODE), NATIONAL ELECTRICAL CODE, STATE PLUMBING CODE (2018 UNIFORM PLUMBING CODE AS ADOPTED), STATE BUILDING CODE (2018 IBC, AS ADOPTED) AND ALL OTHER LOCAL AGENCIES HAVING JURISDICTION.
- 2. 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.
- 3. ALL EQUIPMENT SHALL BE CAPABLE OF FITTING INTO THE SPACES ALLOCATED WHILE MEETING THE MANUFACTURER'S RECOMMENDED ACCESS REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT IS TO BE INSTALLED PRIOR TO ORDERING OF EQUIPMENT AND NOTIFY THE ENGINEER OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT.
- 4. COORDINATE WITH OTHER TRADES PRIOR TO COMMENCING AND DURING CONSTRUCTION. OVERLAY PLANS AND CHECK FOR ANY DISCREPANCIES OR CONFLICTS WITH OTHER TRADES.
- 5. VERIFY AND COORDINATE ALL ROOF, WALL AND FLOOR PENETRATIONS WITH THE STRUCTURAL AND ARCHITECTURAL DRAWINGS AND NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO START OF CONSTRUCTION.
- 6. NO PENETRATATIONS SHALL BE MADE THROUGH STRUCTURAL MEMBERS, WALLS AND SLABS WITHOUT FIRST COORDINATING WITH STRUCTURAL ENGINEER.
- 7. VERIFY THE EXACT LOCATION, SIZE, AND INVERT OF ALL EXISTING SEWER, AND WATER LINES AT THE POINT OF CONNECTION TO CIVIL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- 8. DRAWINGS DO NOT ATTEMPT TO SHOW EXACT DETAILS OF PIPING. PROVIDE OFFSETS AS NECESSARY TO AVOID LOCAL OBSTRUCTIONS OR INTERFERENCE WITH OTHER TRADES. REVIEW ALL PIPING AND DUCT RUNS PRIOR TO FABRICATION AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY INTERFERENCE AND/OR LACK OF ADEQUATE CLEARANCES.
- 9. SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF WORK, MARK SUCH CHANGES ON THE AS-BUILT DRAWINGS AND NOTIFY THE ENGINEER. IF THESE CHANGES REQUIRE ALTERNATE METHODS TO THOSE APPROVED BY THE CONTRACT DOCUMENTS, SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED ALTERNATE METHODS TO THE ENGINEER FOR REVIEW. DO NOT PROCEED UNTIL REVIEWED.
- 10. PATCH AND PAINT ALL EXPOSED MATERIAL, INCLUDING PIPING, TO MATCH ADJACENT SURFACES OR AS INDICATED.
- 11. PROPERLY FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR PARTITIONS WITH A UL APPROVED SYSTEM APPROPRIATE FOR THE PENETRATION TYPE AND FIRE RATING IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. FIRE STOP ALL PENETRATIONS BETWEEN FLOORS.
- 12. PROVIDE ACCESS PANELS TO ALL CONCEALED VALVES, DAMPERS, AND EQUIPMENT. COORDINATE THE LOCATION OF ACCESS PANELS TO INSURE THAT THE EQUIPMENT CAN BE MAINTAINED ADEQUATELY.
- 13. SEISMICALLY BRACE ALL EQUIPMENT AND PIPING IN ACCORDANCE WITH THE SPECIFICATIONS FOR SEISMIC 2A.
- 14. INSTALL CONDENSATE DRAINS AT A MINIMUM SLOPE OF 2%. INDIVIDUAL UNIT CONDENSATE DRAINS SHALL BE 1" DIAMETER LINES AND 1-1/4" FOR COMBINED LINES UNLESS OTHERWISE INDICATED.
- 15. INSULATE ALL SEWER PIPING RECEIVING AIR CONDITIONING CONDENSATE DRAINS, OR ANY OTHER COLD LIQUID WHICH MAY CREATE CONDENSATION, FROM POINT OF CONNECTION TO TOP OF CONCRETE SLAB-ON-GRADE. INSULATE FLOOR DRAIN AND FLOOR SINK BODIES EXPOSED TO AIR BELOW THE FLOOR.
- 16. ROUTE ALL CONTROL AND MOTOR STARTER WIRING IN CONDUIT.
- 17. PROVIDE AND INSTALL WALL CLEANOUTS AT THE BASE OF ALL WASTE RISERS, UNLESS NOTED OTHERWISE.
- 18. SLOPE SANITARY SEWER 1/4" PER FOOT UNLESS NOTED OTHERWISE.
- 19. ALL EXPOSED WASTE AND SUPPLY PIPING IN FINISHED AREAS SHALL BE CHROME PLATED OR COPPER.

LICENSED PROFESSIONAL ENGINEER No. 14833–M HWAII, U.S. 04/30/2024 Licensed Expiration Date This work was prepared by me or under my supervision.							
DSGN. DRWN. CHKD. APPD.							
NO. DATE REVISIONS							
PROJECT TITLE :							
NEW PASS AND ID OFFICE							
AT DANIEL K. INOUYE INTERNATIONAL AIRPORT HONOLULU, OAHU, HAWAI'I PROJECT NO.:							
CO1322-63							
SHEET TITLE:							
PLUMBING GENERAL NOTES, LEGEND, SYMBOL LIST							
DATE : DWG. NO. 12/21/22 P-001 SHEET : 55 OF 100 SHEETS							