DEPARTMENT OF THE NAVY
COMMANDER, FLEET ACTIVITIES YOKOSUKA
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5103
Ser N00/409
8 Jul 22

From: Commander, Fleet Activities Yokosuka
To: Parents and Staff

Subj: DRINKING WATER LEAD SAMPLING RESULTS AT IKEGO CHILD DEVELOPMENT CENTER

Encl: (1) Overview of Testing Results for Lead in Drinking Water and Corrective Actions for Fleet Activities Yokosuka Ikego Child Development Center (Building 673)
(2) Sample Summary Results Table
(3) Floor Plan of Ikego Child Development Center

1. The safety and health of children and staff at our Child Development Centers (CDC), Schools, and Youth Centers (YC) is my top priority. In an earlier letter announcing our drinking water testing program, we tested all water outlets that could potentially be used for cooking, washing, or drinking at our Schools, CDCs, and YCs in the Ikego Housing Complex.

2. We received the results of recent water testing of 54 drinking water outlets at Ikego Child Development Center. Initial sampling results for all drinking water intended for consumption, to include drinking water and water intended for cooking or washing, was at or below the Navy lead screening level of 15 parts per billion (PPB).

3. Out of an abundance of caution, 1 outlet at the 15 PPB screening level was immediately removed from service and additional testing was conducted. Follow-up sampling results provided confirmation that the bubbler fountain in the Pre-toddler room #2 exceeded the 15 PPB screening level, which is the level requiring action to include additional testing and corrective measures. Lead in drinking water typically comes from the existing plumbing inside buildings including service lines, fittings, solder, water coolers, or water faucets. Lead is more likely to be found in drinking water when the water has not been run for an extended period of time and has been sitting in the system (e.g., overnight, weekends, etc.).

4. Details on the corrective actions we plan to take to reduce the amount of lead in water at this fixture, are discussed in enclosure (1). Also, enclosure (2) and enclosure (3) indicates the location of the fixtures that had lead levels higher than the screening level.

5. I know this issue will generate more questions than this letter can answer. If you have any questions or concerns regarding the LIPA Program, please contact the Fleet Activities Yokosuka Public Affairs Officer at CFAYPublicAffairsOfficer@gmail.com.

6. Here are some additional resources you may find informative:

EPA (lead in drinking water in schools and day care centers)
https://www.epa.gov/ground-water-and-drinking-water/3ts-reducing-lead-drinking-water

7. Annual water quality report for the installation:

https://cnrj.cnic.navy.mil/Operations-and-Management/Water-Quality-Information/Water-quality-reports/#CFAY

8. If you have any health related questions or concerns about lead exposure, you are encouraged to contact your health care provider or if you are a TRICARE beneficiary use the Yokosuka Naval Hospital central appointment line at 243-5352. If unable to acquire information from previously discussed sources, please contact my staff immediately.

9. Rest assured that my team and I will continue to monitor, test water quality and take actions where necessary at Ikego Child Development Center to ensure our drinking water lead levels are lower than screening levels. I am committed to the safety and health of all personnel and family members using our facilities and will keep you updated on this issue.

L. D. SØBOL

Copy to:
CNIC N45
NAVFAC N45

Overview of Testing Results for Lead in Drinking Water and Corrective Actions for Fleet Activities Yokosuka Ikego Child Development Center *(*Building 673)

The Navy is committed to maintaining safe drinking water on its installations. Yokosuka City water supplied to the Navy and the Navy's water distribution system is regularly tested and in compliance with the Safe Drinking Water Act. Because lead exposure is a particular concern for children, and lead may be added to drinking water due to its presence in pipes, fittings, solder, and fixtures inside a building, the Navy policy requires that we test the lead content of drinking water in priority areas such as Schools, youth centers (YCs), and child development centers (CDCs) every five years.

Navy environmental personnel conducted lead testing at the FLEACT Yokosuka Ikego CDC in accordance with Navy and EPA guidelines. Samples from various locations in the CDC were sent to a Navy Water Quality Oversight Council validated laboratory for analysis.

At the FLEACT Yokosuka's Ikego CDC, outlets used for drinking, cooking, and washing were tested. Out of **54** samples collected, **one (1)** water outlet was at the Navy screening level of 15 parts per billion (ppb) for lead in drinking water in schools and CDCs. Out of an abundance of caution follow up sampling was conducted and the outlet tested above the 15 ppb screening level.

The outlet that exceeded the screening level of 15 ppb was a bubbler water fountain located in the Pre-toddler #2 room, which tested at 14 ppb and 30 ppb, respectively. Since follow-up testing indicates that the elevated levels of lead appeared to be caused by the components of the bubbler water fountain and upstream plumbing, the supply valve to the fountain was closed rendering it unusable. A new fountain and upstream piping will be installed. Per EPA guidance, this outlet will remain out of service until corrective actions are completed. Testing will be conducted after implementation of corrective measures.

A copy of all test results is enclosed for your information. The test results are presented in two tables:

- Table 1 **Summary of Results** summarizes the data by category of use (e.g., drinking, cooking, and washing).

- Table 2 **Summary Statistics** summarizes all the data.

A floor plan of the FLEACT Yokosuka, Ikego CDC has also been included to show the locations for the fixtures that exceeded 15 ppb.

Table 1 provides a description of each sampling location using three columns; *Category*, *Sampling ID,* and *Outlet Description*. The *Category* column gives information about whether the outlet is used for drinking water (water fountain), cooking (food preparation), or washing (primarily hand-washing or brushing teeth). The *Sample ID* column is the identification used to label each sample bottle. The *Outlet Description* column contains additional information to describe the outlet sampled under each category.

The next set of columns in **Table 1** provide *Initial Sampling Results,* and for those locations that exceeded the recommended screening level of 15 ppb the *Re-sampling Results*.

EPA sampling protocol requires water to not be used for between 8 and 18 hours prior to first draw sampling. Therefore, *Initial Sampling Results were from* first draw samples collected early in the morning before the CDC opened and before any water was used. The *Initial Sampling Results* also indicate whether resampling is required and the date that fixtures greater than 15 ppb were secured. Outlets that exceeded 15 ppb are highlighted in yellow.

The *Re-sampling Results* includes columns for *First Draw* and flushing samples which help determine the source of lead.

- If the lead concentration of the 30 second flush sample resulted in lower than 15 ppb lead, the aerators were the source of lead and the outlet can be used for drinking if the aerators are cleaned on a regular basis.

- If the lead concentration of the resampled first draw (but not the follow up 30 second flush) was greater than 15 ppb, the fixture was the source of lead. These fixtures can be used if water is flushed for 30 seconds before first use of the day or if the fixtures are replaced and retesting confirms that the new fixtures do not leach lead.

- If the lead concentration of the sample following the 30 second flush was greater than 15 ppb and greater than the lead concentration of the first draw resample, the source of lead is the plumbing upstream of the outlet. These outlets should be disconnected/removed from service unless upstream plumbing is replaced. The bubbler water fountain in Pre-toddler Room #2 (which was secured by turning off the supply valve until supply piping and the supply valve can be replaced) fit in this category.

The *Corrective Actions* column describes actions that will be taken to remediate the source of lead. In the event that fixtures or upstream piping are replaced, there are columns for sampling data that confirms that the corrective actions were successful in reducing lead below15 ppb.

To answer any questions you may have on the sampling program contact the FLEACT Yokosuka Public Affairs Officer at CFAYPublicAffairsOfficer@gmail.com. If you have any health questions or concerns, you are encouraged to contact your health care provider.

Sample Summary Results Table
Priority Areas Lead Testing and Corrective Actions (July 2022)
FLEACT Yokosuka Ikego Child Development Center
Building 673

Table 1. Summary of Results-Ikego Child Development Center Bldg. 673

SAMPLING LOCATION DESCRIPTION				INITIAL SAMPLING RESULTS			RE-SAMPLING RESULTS			CORRECTIVE ACTIONS	POST-CORRECTIVE ACTION SAMPLING RESULTS	
				Lead Screening Level of 15 ppb			Lead Screening Level of 15 ppb				Recommended Level = 15 ppb	
CATEGORY	SAMPLE ID	Outlet Location	Outlet Description	First Draw (ppb)	Retest required?	Date Fixture Secured? (See Note 1)	Water Fountain/Chiller 15 min. Follow up Flush Sample - Collected day before First Draw Sampling (ppb)	First Draw (ppb)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)	Description	First Draw (ppb) (See note 2)	Follow up Flush - Collected 30 seconds after First Draw Sampling (ppb)
SAMPLING DATE				5/21/2022				6/22/2022	6/22/2022		mm/dd/yyyy	
RESULTS DATE				6/15/2022				6/1/2022	6/1/2022		mm/dd/yyyy	
DRINKING	IKE673B007	Pretoddler Room #1	Bubbler	NA	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673B012	Pretoddler Room #2	Bubbler	15	NO	6/16/2022	N/A	14	30	Outlet and upstream plumbing will be replaced.		
DRINKING	IKE673B017	Pretoddler Room #3	Bubbler	3.9	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673B022	Toddler Room #1	Bubbler	Non-Detect	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673B027	Toddler Room #2	Bubbler	1.1	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673B032	Preschool Room #1	Bubbler	1.9	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673B062	Preschool Room #2	Bubbler	1.2	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673C045	Lobby	Cooler	9.1	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
DRINKING	IKE673C046	Lobby	Cooler	0.9	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F050	Kitchen	Faucet	4.6	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F051	Kitchen	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F052	Kitchen	Faucet	0.91	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F053	Kitchen	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F054	Kitchen	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F055	Kitchen	Faucet	0.56	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
COOKING	IKE673F056	Kitchen	Faucet	6.7	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F001	Infant Room #1 & Reception	Faucet	0.5	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F002	Infant Room #1 & Reception	Faucet	0.81	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F003	Infant Room #1 & Reception	Faucet	1.8	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F004	Infant Room #1 & Reception	Faucet	1.7	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F005	Infant Room #2	Faucet	2.6	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F006	Infant Room #2	Faucet	4.3	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F008	Pretoddler Room #1	Faucet	2.3	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F009	Pretoddler Room #1	Faucet	5.7	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F010	Pretoddler Room #1	Faucet	2.6	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F011	Pretoddler Room #1	Faucet	5.4	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F013	Pretoddler Room #2	Faucet	0.71	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F014	Pretoddler Room #2	Faucet	1.6	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F015	Pretoddler Room #2	Faucet	3.1	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F016	Pretoddler Room #2	Faucet	2.5	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F018	Pretoddler Room #3	Faucet	2.4	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F019	Pretoddler Room #3	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F020	Pretoddler Room #3	Faucet	0.85	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F021	Pretoddler Room #3	Faucet	4.2	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F023	Toddler Room #1	Faucet	0.75	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F024	Toddler Room #1	Faucet	0.58	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F025	Toddler Room #1	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F026	Toddler Room #1	Faucet	1.2	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F028	Toddler Room #2	Faucet	3.9	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F029	Toddler Room #2	Faucet	14	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F030	Toddler Room #2	Faucet	4.7	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F031	Toddler Room #2	Faucet	3.8	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F033	Preschool Room #1	Faucet	0.66	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F034	Preschool Room #1	Faucet	0.86	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F035	Preschool Room #1	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F036	Preschool Room #1	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F037	Preschool Room #1	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F038	Preschool Room #2	Faucet	5.1	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F039	Preschool Room #2	Faucet	11	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F040	Preschool Room #2	Faucet	1	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F042	Toilet (next to Multi Purpose RM)	Faucet	1.4	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F043	Toilet (next to Multi Purpose RM)	Faucet	1.4	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F044	Toilet (next to Multi Purpose RM)	Faucet	Non-Detect	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WASHING	IKE673F047	Staff Room	Faucet	0.89	NO	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Notes:
[1] Affected outlets were immediately secured after receiving communication from the lab on results exceeding the recommended level of 15 ppb.

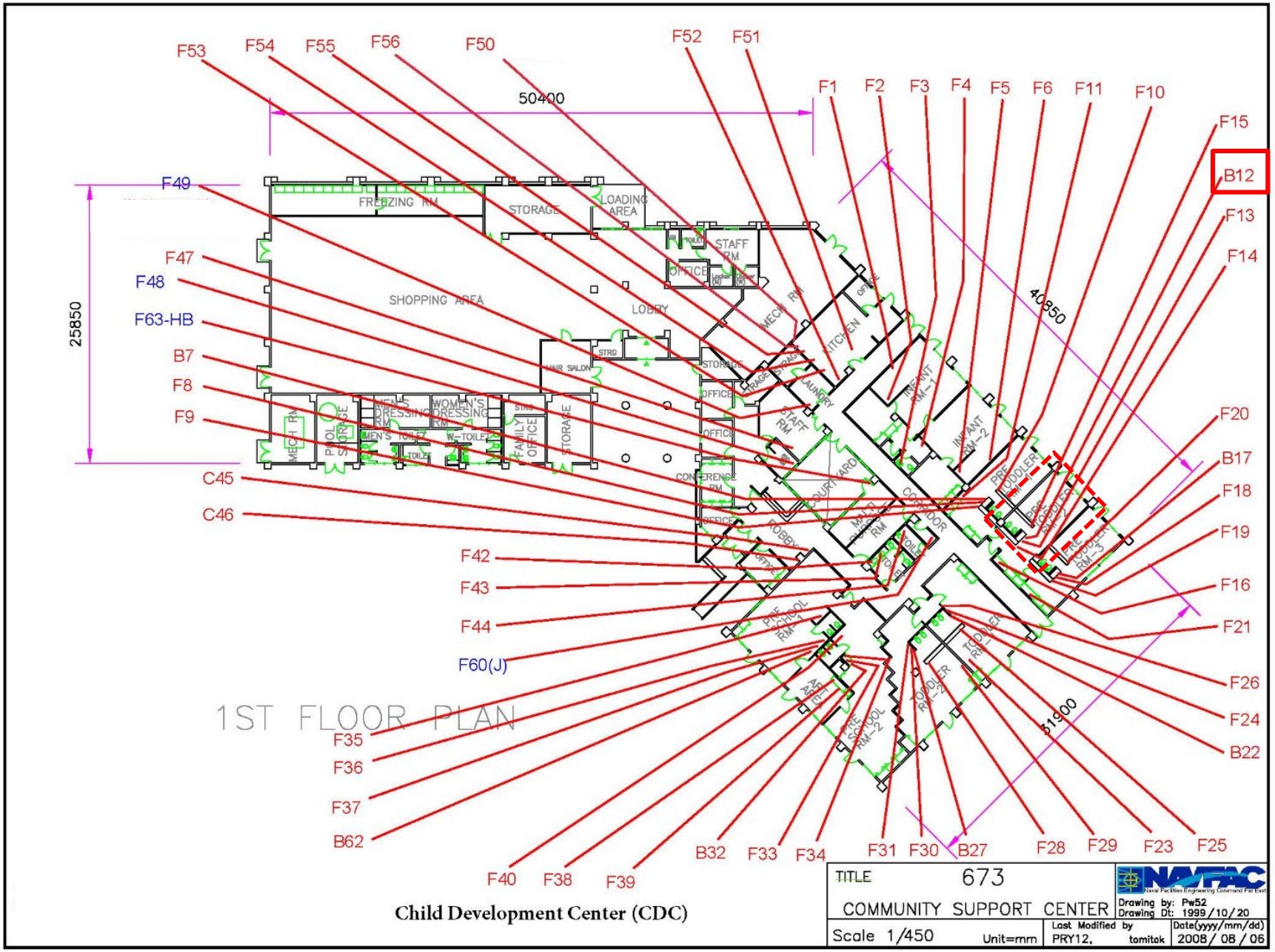
Table 2. Summary Statistics

CATEGORY	INITIAL SAMPLING RESULTS	RE-SAMPLING RESULTS			POST-CORRECTIVE ACTION RESULTS
	Lead Screening Level of 15 ppb				
	First Draw (ppb)	Water Fountain	First Draw (ppb)	Follow up Flush	First Draw (ppb)
Total Drinking	9	0	1	1	0
Total Drinking > 15 ppb	0	0	0	1	0
Total Cook	7	0	0	0	0
Total Cook> 15 ppb	0	0	0	0	0
Total Washing	38	0	0	0	0
Total Washing > 15 ppb	0	0	0	0	0
Total Samples	54	0	1	1	0
Total Samples > 15 ppb	0	0	0	1	0

Enclosure (2)

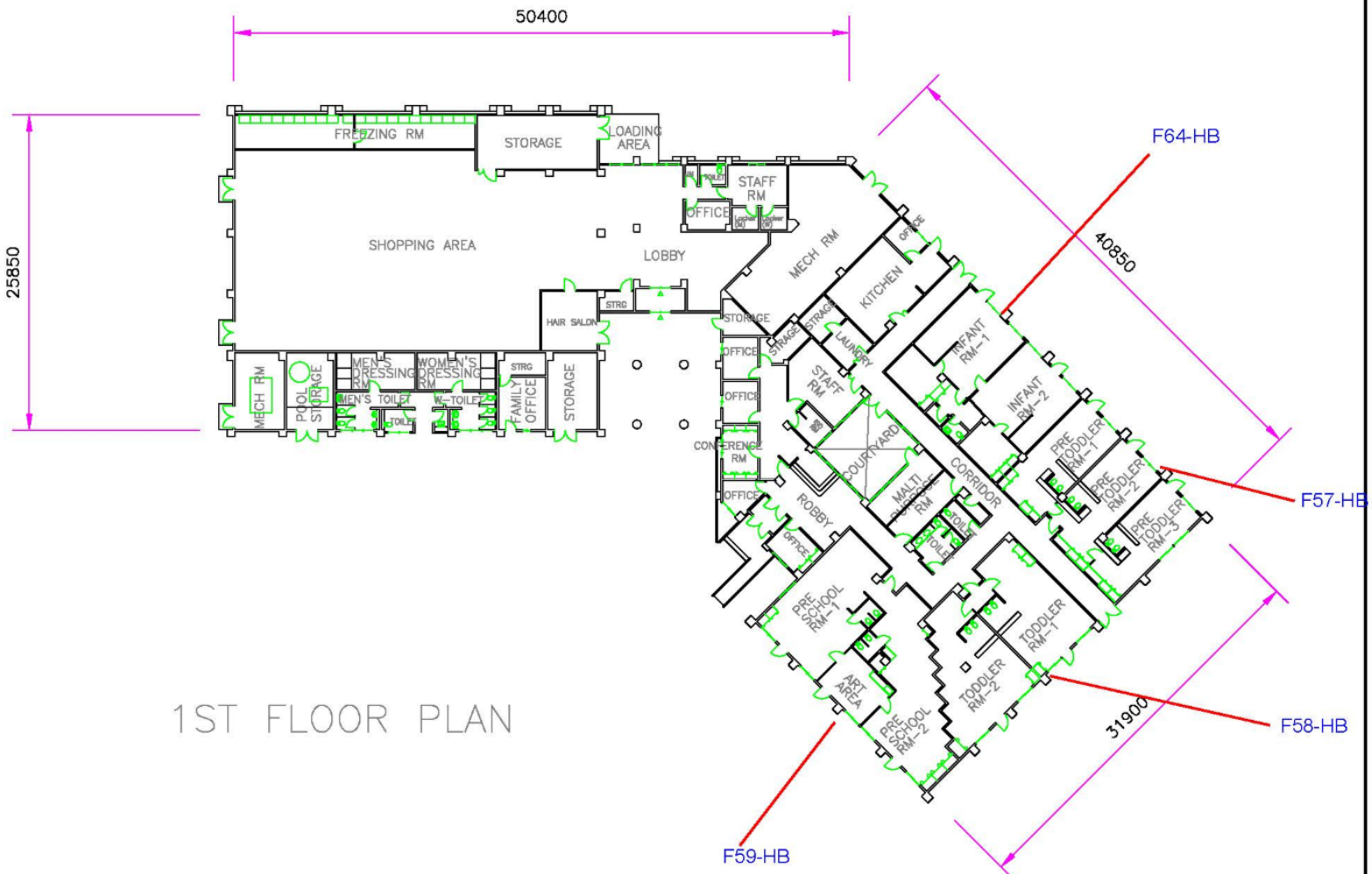
Floor Plan - Ikego Child Development Center (Building 673)

F = Faucet
C = Cooler water fountain
B = Bubbler water fountain
S = Shower
J = Janitor sink
HB = Hose Bib



Child Development Center (CDC)

TITLE	673 COMMUNITY SUPPORT CENTER	NAVFAC Naval Facilities Engineering Command Far East	Drawing by: Pw52 Drawing Dt: 1999/10/20
Scale 1/450	Unit=mm	Last Modified by PRY12, tomitak	Date(yyyy/mm/dd) 2008/08/06



1ST FLOOR PLAN

Child Development Center (CDC)

TITLE 673 COMMUNITY SUPPORT CENTER		NAVFAC Naval Facilities Engineering Command Pacific	Drawing by: Pw52 Drawing Dt: 1999/10/20
Scale 1/450	Unit=mm	Last Modified by PRY12, tomitak	Date(yyyy/mm/dd) 2008/08/06