
LBUSD 2022 Facility Master Plan

Long Beach Unified School District
Appendices

July 2022

CANNONDESIGN



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A Facility Reports: Elementary Schools



Facility Reports: Elementary Schools

The appendices contain detailed facility reports highlighting critical facts and assessment findings that support the development, prioritization, and implementation of capital improvements. These reports include:

1. Facility Assessment Summary (Educational Specification, Facility Condition, & Capacity)
2. Critical Fact Sheet
3. Existing Campus Overview (Siteplan, Building Condition, Observations)
4. Existing Space Utilization (Classroom Count/Area, Core Spaces, Standards)
5. Nutrition Services Plan (Kitchen Improvements)

Schools are included in the following order:

- | | | | |
|-----------|----------|--------------|-------------|
| Addams | Dooley | Hudson | Naples |
| Alvarado | Edison | Kettering | Oropeza |
| Barton | Emerson | King | Prisk |
| Birney | Fremont | Lafayette | Riley |
| Bixby | Gant | Lincoln | Roosevelt |
| Bryant | Garfield | Longfellow | Signal Hill |
| Buffum | Gompers | Los Cerritos | Smith |
| Burbank | Grant | Lowell | Stevenson |
| Burcham | Harte | Macarthur | Twain |
| Carver | Henry | Madison | Webster |
| Chavez | Herrera | Mann | Whittier |
| Cleveland | Holmes | McKinley | Willard |



Alice M. Birney Elementary School – Facts & Figures

Location 110 7400 Spring Street Long Beach, CA 90808 562.437.6212	Total Campus Area 8.03 Acres	Years Constructed 1950, 1952, 1954, 1948, 1988, 1990, 1993, 1994, 1997, 1998, 2001, 2002	Total Parking 41 Stalls	Total Building Area Permanent Construction 36,007 SF
Type TK-5	2021-2022 Enrollment 502	Factored Capacity 855	Permanent Capacity 399 Temporary Capacity 456	Total Building Area Portables 22,080 SF



Alice M. Birney Elementary School – Existing Space Utilization



Alice M. Birney Elementary School – Existing Campus



Alice M. Birney Elementary School – Nutrition Services Plan 2022-2032





Addams Elementary

256 East Plymouth Street
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6015119

Educational Specification
School Input Incomplete

Facility Condition
76

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	49,852	7	1935	2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
-------------	------------------

Architectural	72
Plumbing	97
Mechanical	48
Fire Protection	94
Electrical	58
Communications	91
Safety and Security	69
Structural	78
5-YR FCI Score, buildings only:	70
Civil	100
5-YR FCI Score including Civil:	76



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Capacity Utilization Score	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
791	765	-26	-3%	838	91%	73	100	712	89	801	712	153	865	-64	100%
				428				89%	11%		82%	18%		-7%	-1

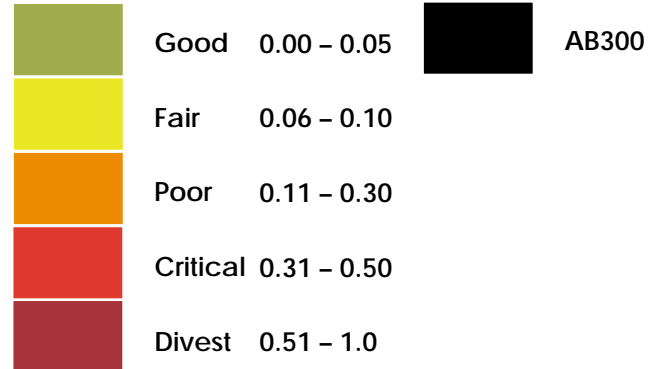
Jane Addams Elementary School – Facts & Figures

<p>Location 5320 Pine Street Long Beach CA 90805 562.428.0202</p>	<p>Total Campus Area 4.75 Acres</p>	<p>Years Constructed 1935, 1946, 1949, 1952, 1966, 1968, 1969, 1995, 1998, 2000, 2003</p>	<p>Total Parking 16 Stalls</p>	<p>Total Building Area Permanent Construction 49,852 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 791</p>	<p>Factored Capacity 1,265</p>	<p>Permanent Capacity 838 Temporary Capacity 428</p>	<p>Total Building Area Portables 11,321 SF</p>



Jane Addams Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

- A** Inadequate parking count and lack of parking for visitors
- B** Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

- C** Remote location of upper grade classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- D** Lack of educational play equipment and natural elements at Kinder outdoor area

Activity Zone – Core Facilities

- E** Configuration of main entrance security gates allow for individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

- F** Visibility of outdoor Kinder play from street
- G** Lack of lawn/turf area at main play area
- H** Lack of adequate apparatus play zone for younger learners
- J** Lack of shade trees at play area
- K** Difficult to read ground games / lack light-colored surfaces
- L** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Jane Addams Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	23	20,301
Portable Classrooms	15	11,321
◀ CAFM Designated Classroom with Alt Use	6	5,160
Total Existing	44	36,782

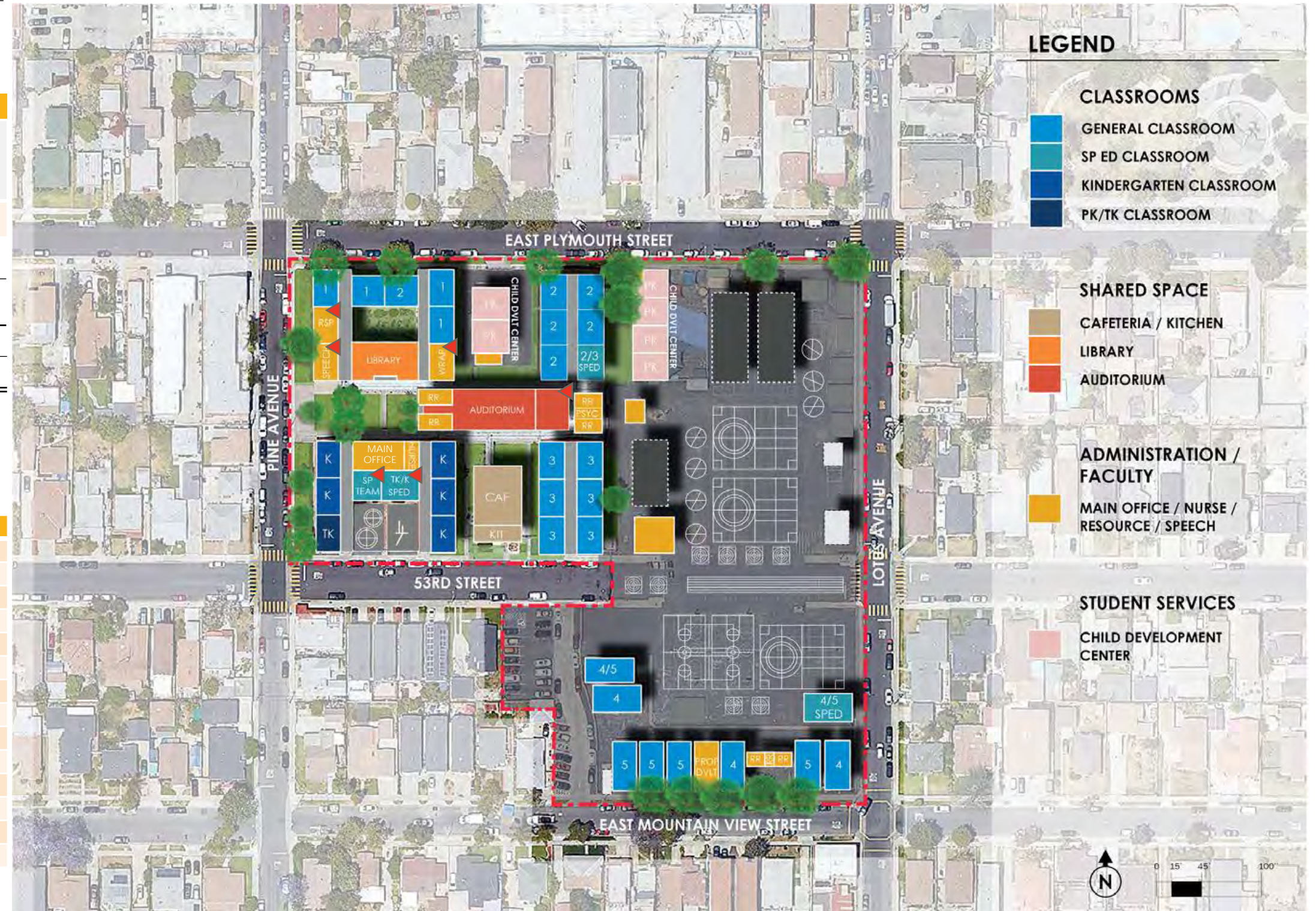
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	791	1:30
Factored Capacity	1,265	

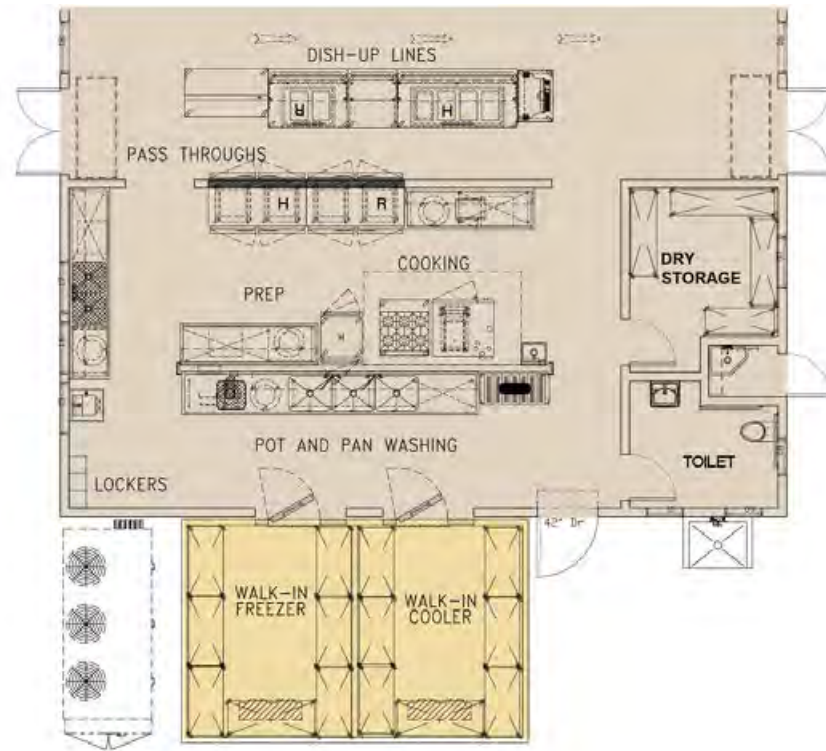
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	27
Current Classroom Count	44

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,551 SF	2,942 SF
Auditorium	7,827 SF	4,611 SF
Library	1,369 SF	2,305 SF
Nutrition Services		
Cafeteria	1,853 SF	2,703 SF
Food Service	678 SF	2,067 SF
Lunch Shelter	1,720 SF	2,385 SF
Site		
Playground	1.92 Acres	1.8 Acres
Parking	16 Stalls	61 Stalls



Jane Addams Elementary School – Nutrition Services Plan 2022-2032

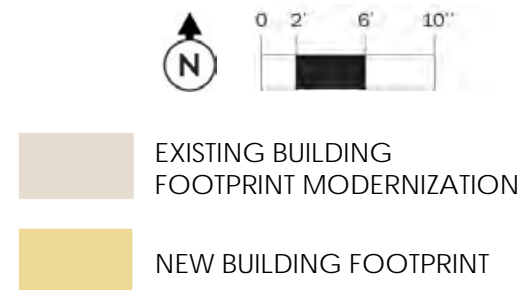


Summary Improvement Plan

Overall Evaluation:

At 678 square feet (including the Dry Storage area), the kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Jane Addams Elementary School do not meet current ADA, EHS or USDA requirements. Exposed wood storage shelving and finishes can harbor pests and/or vermin if not finished and sealed and there are sills, shelves, and trim that are damaged and do not meet current EHS code. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area), refrigeration and prep areas. The ware washing area, cooking area and the prep areas overlap and create a cross contamination hazard. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed through the serving window at the MPR. Students pick up their beverage and utensils and are provided a choice of entrees and options for the lunch meal service (Offer v Serve). The dish-up line lacks recessed hot and cold wells. This requires that the meals must be pre-plated and served from a heated cart. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN





Alvarado Elementary

1900 East 21st Street
Signal Hill, CA 90755

Planning Area
Area E Polytechnic
School #
6109292

Educational Specification
School Input Incomplete

Facility Condition
96

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
0	36,255	4	0	1991

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	89
Plumbing	99
Mechanical	98
Fire Protection	99
Electrical	96
Communications	92
Safety and Security	96
Structural	99
5-YR FCI Score, buildings only:	94
Civil	100
5-YR FCI Score including Civil:	96



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
362	341	-21	-6%	513	66%	172	70%	30%	360	62%	38%	407	-47	75%
				29									-12%	127

Alvarado Elementary School – Facts & Figures

<p>Location 1900 East 21st Street Long Beach CA 90806 562.985.0019</p>	<p>Total Campus Area 5.77 Acres</p>	<p>Years Constructed 1991, 1998</p>	<p>Total Parking 39 Stalls</p>	<p>Total Building Area Permanent Construction 36,255 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 362</p>	<p>Factored Capacity 542</p>	<p>Permanent Capacity 513 Temporary Capacity 29</p>	<p>Total Building Area Portables 1,920 SF</p>



Alvarado Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A Visibility of outdoor Kinder play from street
- B Difficult to read ground games / lack light-colored surfaces



Alvarado Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	20	16,960
Portable Classrooms	1	960
◀ CAFM Designated Classroom with Alt Use	1	960
Total Existing	22	18,880

Enrollment & Capacity

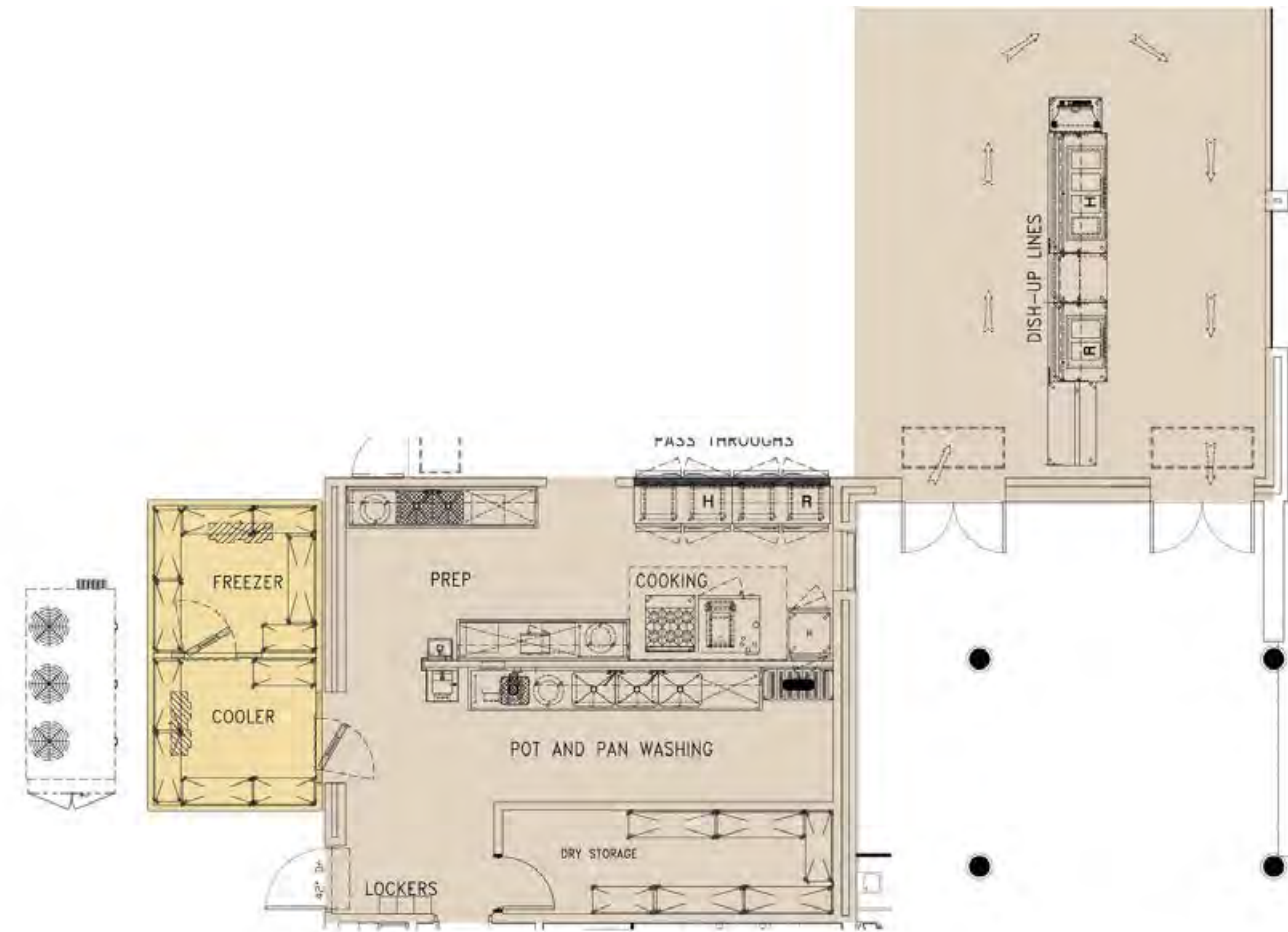
	Student Count	Loaded Clsm
2021-2022 Enrollment	362	1:30
Factored Capacity	542	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		13
Current Classroom Count		22

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	4,534 SF	1,885 SF
Multipurpose	5,056 SF	2,229 SF
Library	1,239 SF	1,244 SF
Nutrition Services		
Cafeteria	(See MPR)	1,281 SF
Food Service	833 SF	980 SF
Lunch Shelter	2,295 SF	1,131 SF
Site		
Playground	2.8 Acres	1.4 Acres
Parking	39 Stalls	50 Stalls



Alvarado Elementary School – Nutrition Services Plan 2022-2032

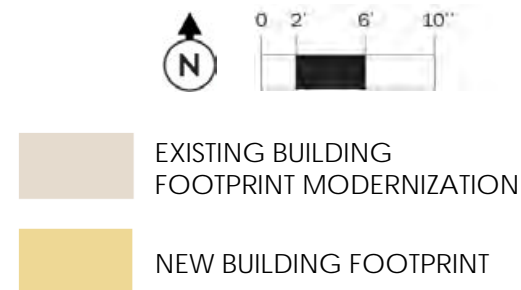


Summary Improvement Plan

Overall Evaluation:

At 833 square feet (including the Dry Storage area), the Alvarado Elementary School kitchen is small. This space is tight for the 2021-2022 Enrollment and service model. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Alvarado Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area, an EHS code violation). Dry storage is supplemented with a remote, exterior storage container. Refrigeration is accommodated by (4) units within the kitchen space as well as multiple overflow refrigerated units in the MPR/ Auditorium. Exposed wood storage shelving and finishes can harbor pests and/or vermin if not finished and sealed and this kitchen and MPR contains wood trim, window sills and shelves that are damaged and therefore do not meet current EHS code. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting off while service is in process. The exhaust hood is undersized for the existing equipment and there is no EHS code required non-combustible wall flashing below it. Wall flashing is also required behind and below all wet areas including, but not limited to, sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. Though this kitchen has been recently renovated, there are still some areas that do not meet EHS Code. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN





Barton Elementary

1100 East Del Amo Boulevard
Long Beach, CA 90807

Planning Area
Area A Jordan
School #
6015135

Educational Specification
School Input Incomplete

Facility Condition
95

Capacity Utilization
100



BUILDING DATA

Year Constructed
1945

Gross S.F.
56,845

Permanent Building Count
4

Oldest Building
1945

Newest Building
2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
-------------	------------------

Architectural	90
Plumbing	97
Mechanical	94
Fire Protection	96
Electrical	90
Communications	95
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	93
Civil	100
5-YR FCI Score including Civil:	95



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
433	382	-51	-12%	849 171	45%	467	371	63	434	371	214	585	-151	63%
							85%	15%		63%	37%		-26%	315

Clara Barton Elementary School – Facts & Figures

<p>Location 1100 East Del Amo Boulevard Long Beach CA 90807 562.428.0555</p>	<p>Total Campus Area 6.91 Acres</p>	<p>Years Constructed 1945, 1950, 1955, 1966, 1969, 1988, 1997, 2000, 2001, 2004</p>	<p>Total Parking 68 Stalls</p>	<p>Total Building Area Permanent Construction 58,223 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 433</p>	<p>Factored Capacity 1,020</p>	<p>Permanent Capacity 849 Temporary Capacity 171</p>	<p>Total Building Area Portables 5,760 SF</p>



Clara Barton Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A ADA compliance at parking

Activity Zones – Academic Buildings

B Lack of educational play equipment and natural elements at Kinder outdoor area

Activity Zone – Athletics/Physical Education

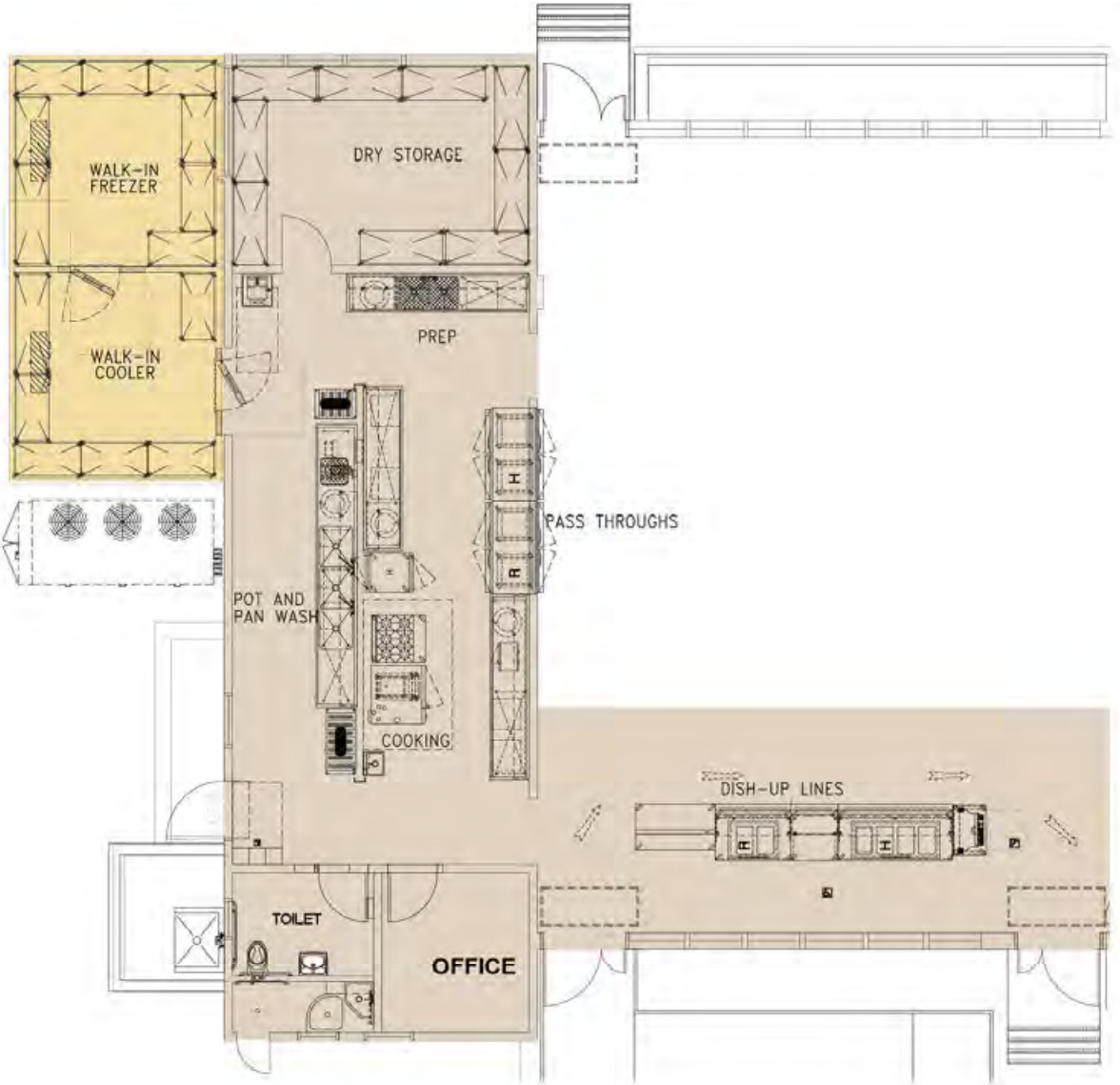
C Visibility of outdoor Kinder play from street

D Lack of adequate covered outdoor dining

E Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Clara Barton Elementary School – Nutrition Services Plan 2022-2032

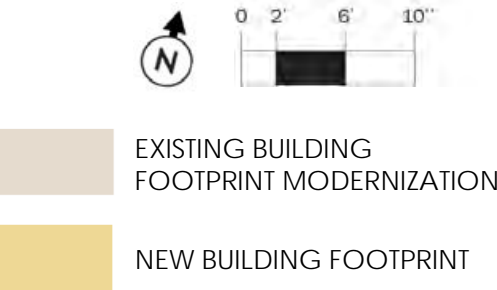


Summary Improvement Plan

Overall Evaluation:

At 713 square feet (including the Dry Storage area), the Barton Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Barton Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. There is no exterior ramp for the storage container which necessitates a step up to access the interior. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The exposed wood guillotine style door near the disposer is not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The exhaust hood is problematic with inadequate overhangs for proper ventilation. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Birney Elementary

710 West Spring Street
Long Beach, CA 90806

Planning Area
Area E Polytechnic
School #
6015143

Educational Specification
School Input Incomplete

Facility Condition
75

Capacity Utilization
72



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1950	36,007	3	1950	1995

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	66
Plumbing	90
Mechanical	34
Fire Protection	87
Electrical	20
Communications	80
Safety and Security	56
Structural	90
5-YR FCI Score, buildings only:	63
Civil	100
5-YR FCI Score including Civil:	75



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
502	512	10	2%	399	128%	-113	72	410	86	496	410	149	559	-63	143%
				456				83%	17%		73%	27%		-11%	-170

Alice M. Birney Elementary School – Facts & Figures

<p>Location 710 West Spring Street Long Beach CA 90806 562.427.8512</p>	<p>Total Campus Area 8.03 Acres</p>	<p>Years Constructed 1950, 1952, 1954, 1968, 1988, 1990, 1993, 1996, 1997, 1998, 2001, 2002</p>	<p>Total Parking 41 Stalls</p>	<p>Total Building Area Permanent Construction 36,007 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 502</p>	<p>Factored Capacity 855</p>	<p>Permanent Capacity 399 Temporary Capacity 456</p>	<p>Total Building Area Portables 22,080 SF</p>



Alice M. Birney Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Ease of access/ADA compliance at parking

Pedestrian Circulation

- B** Unprotected areas where security fencing is not present

Activity Zones – Academic Buildings

- C** Lack of co-location of Kinder programs
- D** Significantly larger number of students located in portables compared to number of students in permanent buildings

Activity Zone – Core Facilities

- E** Configuration of main entrance allows for individuals to come onto campus without first passing through Main Office

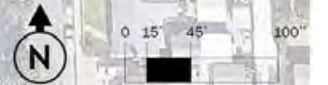
Activity Zone – Athletics/Physical Education

- F** Lack of direct access of PK/TK/K classrooms to outdoor play
- G** Visibility of outdoor Kinder play from street
- H** Difficult to read ground games / lack light-colored surfaces
- J** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



LEGEND

- PERMANENT CONSTRUCTION
- MODULAR CONSTRUCTION
- SOLAR CANOPY
- SHADE CANOPY
- ★ MAIN ENTRANCE
- DROP-OFF



Alice M. Birney Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	10	9,600
Portable Classrooms	16	15,360
◀ CAFM Designated Classroom with Alt Use	11	10,560
Total Existing	37	35,520

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	502	1:30
Factored Capacity	855	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	18
Current Classroom Count	37

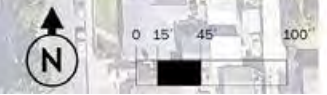
2021-2022 Planning Capacity

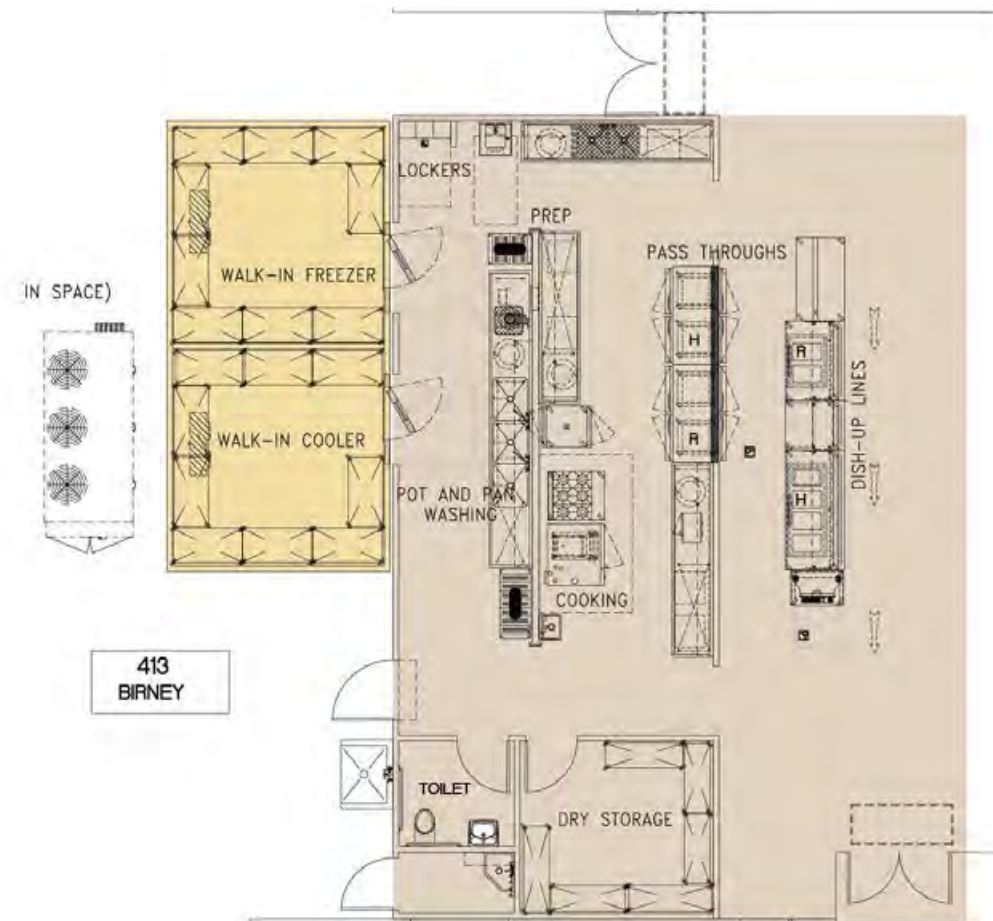
Category	Existing	Planning Capacity
Administration	2,054 SF	2,630 SF
Auditorium	2,191 SF	3,156 SF
Library	1,312 SF	1,735 SF
Nutrition Services		
Cafeteria	1,317 SF	1,788 SF
Food Service	726 SF	1,367 SF
Lunch Shelter	860 SF	1,578 SF
Site		
Playground	3.2 Acres	1.4 Acres
Parking	41 Stalls	40.5 Stalls



EXISTING BUILDING USE

- LEGEND
- CLASSROOMS
 - GENERAL CLASSROOM
 - SP ED CLASSROOM
 - KINDERGARTEN CLASSROOM
 - PK/TK CLASSROOM
 - SHARED SPACE
 - CAFETERIA / KITCHEN
 - LIBRARY
 - AUDITORIUM
 - GYMNASIUM
 - ADMINISTRATION / FACULTY
 - MAIN OFFICE / NURSE / RESOURCE / SPEECH
 - STUDENT SERVICES
 - CHILD DEVELOPMENT CENTER



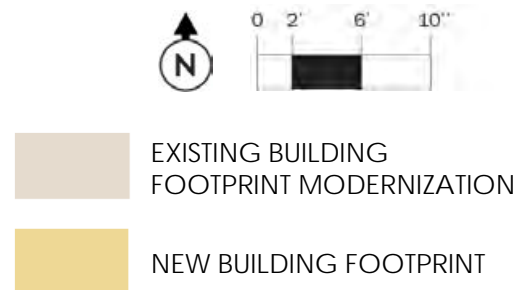


Summary Improvement Plan

Overall Evaluation:

At 726 square feet (including the Dry Storage area), the Birney Elementary School kitchen is small. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Birney Elementary School do not meet current ADA or EHS requirements. Code requires that the existing equipment be vented via a type 1 exhaust hood with a fire suppression system. The existing hood is an extremely outdated type 2 exhaust hood over an open burner range and there is no code required fire suppression system. A hood must also have specific overhang clearances to be deemed code compliant. This hood does not meet those requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the aisleways are undersized and do not meet ADA requirements. There is no ADA compliant workstation within the kitchen. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink within the kitchen space. There are (2) double and (2) single exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. The air curtain in the kitchen is wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service or production is in progress. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN





Bixby Elementary

5251 East Stearns Street
Long Beach, CA 90815

Planning Area
Area F Wilson
School #
6015150

Educational Specification
School Input Incomplete

Facility Condition
100

Capacity Utilization
97



BUILDING DATA

Year Constructed
1952

Gross S.F.
46,340

Permanent Building Count
5

Oldest Building
1952

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	100
Civil	100
5-YR FCI Score including Civil:	100



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
521	589	68	13%	570 171	103%	-19	339 65%	180 35%	519	339 55%	274 45%	613	-94 -15%	119% -111

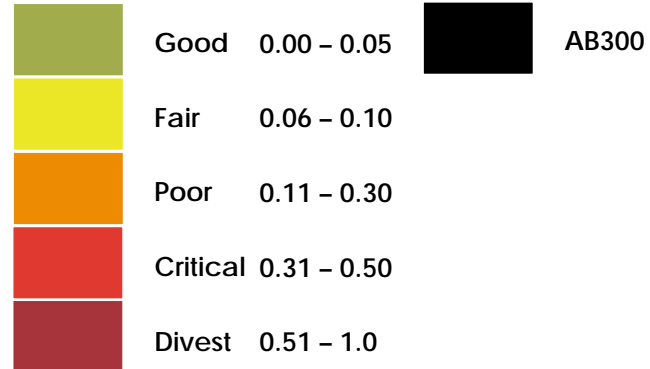
Bixby Elementary School – Facts & Figures

<p>Location 5251 East Stearns Street Long Beach CA 90815 562.498.3794</p>	<p>Total Campus Area 10.26 Acres</p>	<p>Years Constructed 1952, 1955, 1968, 1996, 1997, 1998, 2000, 2003</p>	<p>Total Parking 58 Stalls</p>	<p>Total Building Area Permanent Construction 46,340 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 521</p>	<p>Factored Capacity 741</p>	<p>Permanent Capacity 570 Temporary Capacity 171</p>	<p>Total Building Area Portables 7,710 SF</p>



Bixby Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

A Remote location of upper grade classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

Activity Zone – Core Facilities

B Configuration of main entrance allows for individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

C Visibility of outdoor Kinder play from street

D Lack of shade trees and dispersed shade at play area

E Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Bixby Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	21	20,160
Portable Classrooms	6	5,790
◀ CAFM Designated Classroom w/Alt Use	4	3,840
Total Existing	31	29,790

Enrollment & Capacity

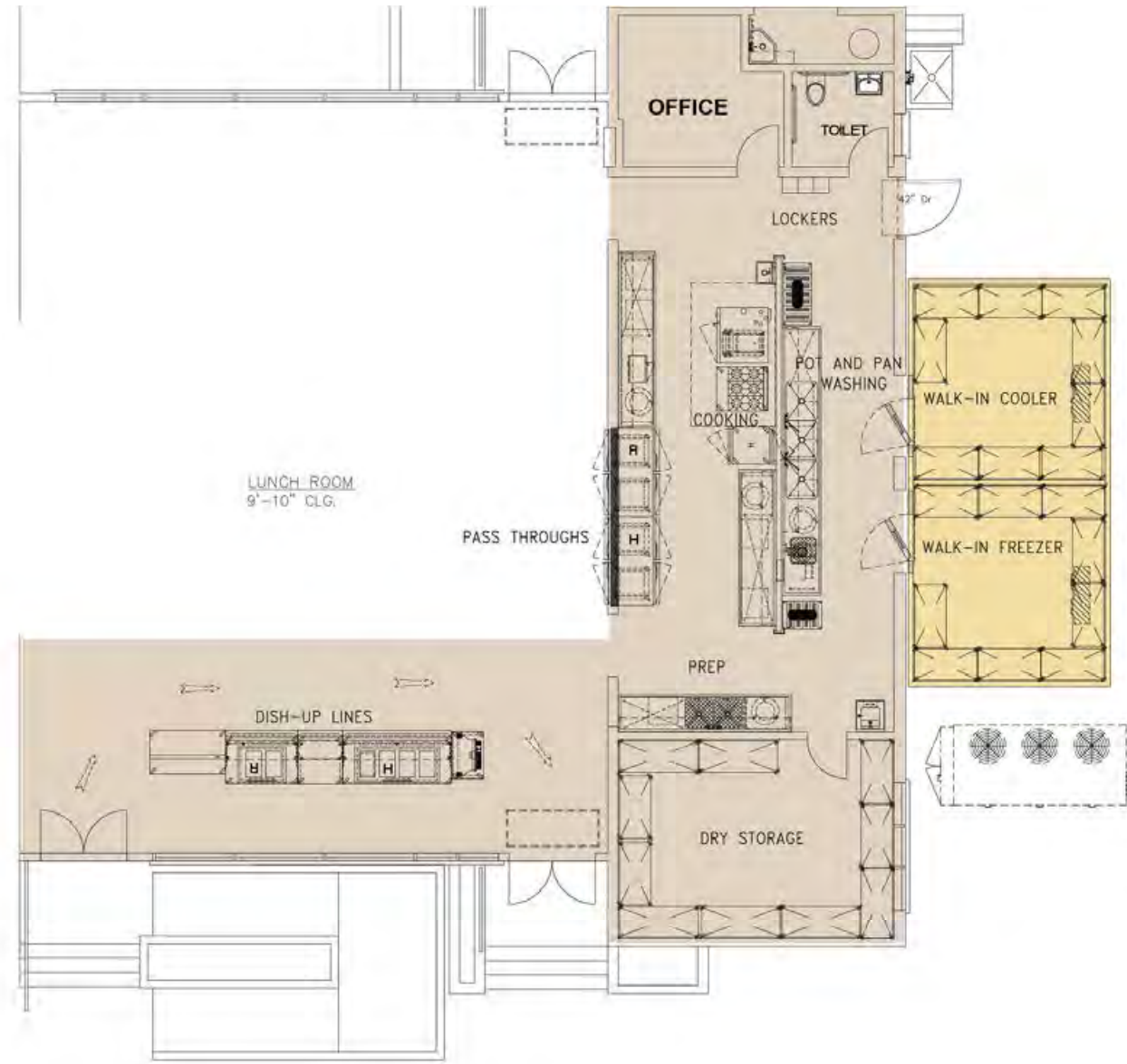
	Student Count	Loaded Clsm
2021-2022 Enrollment	521	1:30
Factored Capacity	741	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		18
Current Classroom Count		31

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	4,307 SF	2,670 SF
Auditorium	5,642 SF	3,257 SF
Library	1,235 SF	1,762 SF
Nutrition Services		
Cafeteria	1,845 SF	1,815 SF
Food Service	720 SF	1,388 SF
Lunch Shelter	1,200 SF	1,602 SF
Site		
Playground	4.56 Acres	1.4 Acres
Parking	58 Stalls	40.5 Stalls



Bixby Elementary School – Nutrition Services Plan 2022-2032

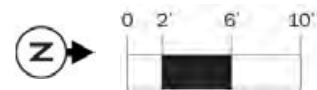


Summary Improvement Plan

Overall Evaluation:

At 720 square feet (including the Dry Storage area), the Bixby Elementary School kitchen is small and cramped. Although recently remodeled, much of the old, non-NSF, EHS and CMC compliant equipment has been reused in the space. The food service areas at Bixby Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The exposed wood guillotine style door near the disposer is not EHS code compliant. Wall flashing is required behind, and below, all wet areas including but not limited to sinks and disposers. ADA requires that exposed 'P' traps below hand sinks be insulated. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. There is no dedicated food preparation sink within the kitchen space. For a kitchen serving only pre-packaged foods, no food prep sink is required, however, if the school wants to provide fresh produce or product at this site, a dedicated food prep sink is an EHS requirement. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Bryant Elementary

4101 East Fountain Street
Long Beach, CA 90804

Planning Area
Area F Wilson
School #
6015168

Educational Specification
School Input Incomplete

Facility Condition
Facility not assessed

Capacity Utilization
94



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1934	22,841	2	1934	1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Facility not assessed



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
305	301	-4	-1%	285	106%	-16	233	83	316	233	124	357	-41	124%
				200			74%	26%		65%	35%		-11%	-68

William Cullen Bryant Elementary School – Facts & Figures

<p>Location 4101 East Fountain Street Long Beach CA 90804 562.498.3802</p>	<p>Total Campus Area 3.72 Acres</p>	<p>Years Constructed 1934, 1941, 1969, 1970, 1993, 1997, 1999, 2003, 2004</p>	<p>Total Parking -----</p>	<p>Total Building Area Permanent Construction 22,841 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 305</p>	<p>Factored Capacity 485</p>	<p>Permanent Capacity 285 Temporary Capacity 200</p>	<p>Total Building Area Portables 6,833 SF</p>



William Cullen Bryant Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Inadequate parking count and lack of parking for visitors
- B** Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

- C** Remote location of upper grade classrooms do not provide for maximized collaboration and shared use of specialty program spaces on campus
- D** Kinder classrooms lack immediate adjacency to Kinder outdoor area
- E** Lack of educational play equipment and natural elements at Kinder outdoor area

Activity Zone – Athletics/Physical Education

- F** Visibility of outdoor Kinder play from street
- G** Lack of lawn/turf area at main play area
- H** Lack of shade trees and canopied areas at play area
- J** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



William Cullen Bryant Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	8	6,697
Portable Classrooms	7	6,833
◀CAFM Designated Classroom w/Alt Use	2	1,920
Total Existing	17	15,450

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	305	1:30
Factored Capacity	485	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	11
Current Classroom Count	17

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,440 SF	1,550 SF
Auditorium	3,714 SF	1,818 SF
Library	870 SF	999 SF
Nutrition Services		
Cafeteria	1,507 SF	1,030 SF
Food Service	623 SF	787 SF
Lunch Shelter	860 SF	909 SF
Site		
Playground	2.48 Acres	1.4 Acres
Parking	N/A	25 Stalls

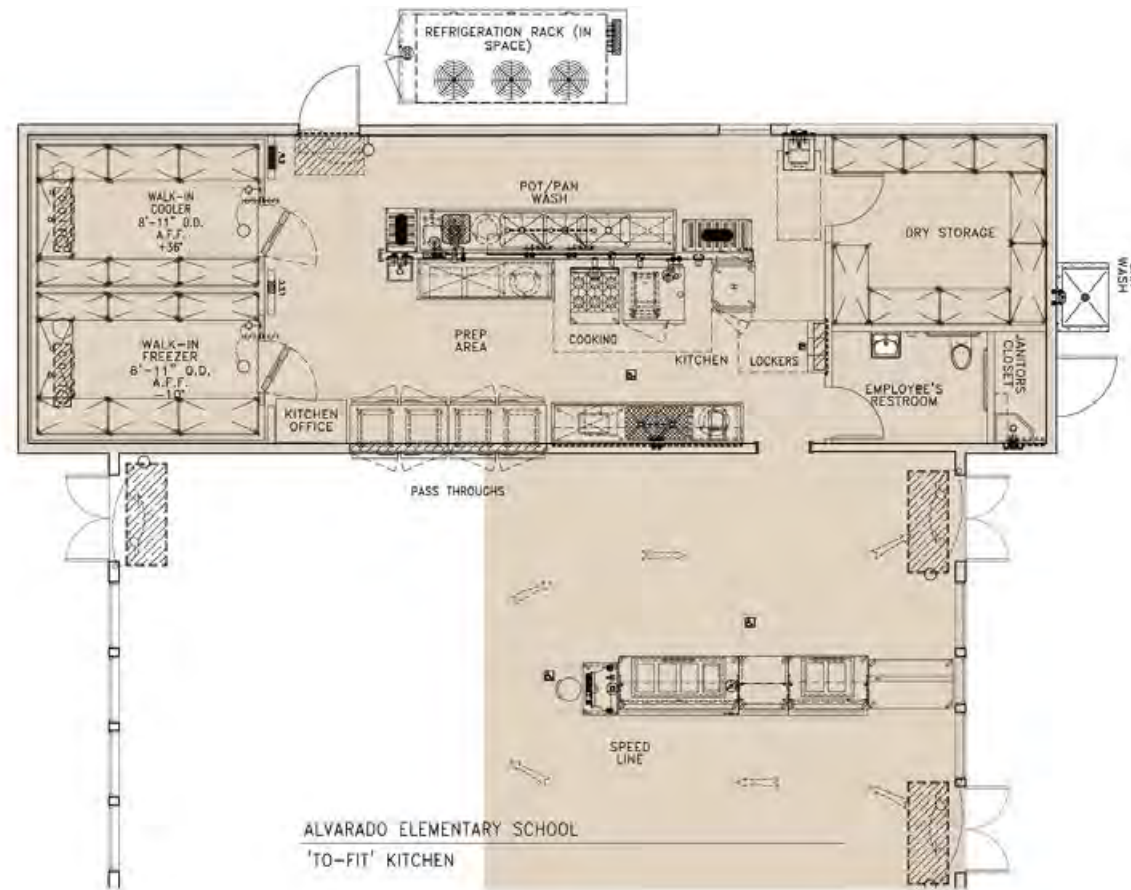


William Cullen Bryant Elementary School – Nutrition Services Plan 2022-2032 Elementary Schools

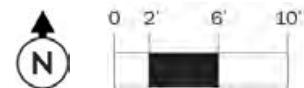
Summary Improvement Plan

Overall Evaluation:

At 623 square feet (not including the Dry Storage area –not accessible during site visit), the Bryant Elementary School kitchen is small. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Bryant Elementary School do not meet current ADA or EHS requirements. The wall behind and below the hood is not sheathed in a non-combustible wall covering per NFPA requirements. The paint on the wall behind the exhaust hood has already blistered due to excessive heat. The dry storage room doubles as the supervisor’s office area. This room was locked at time of site visit and cannot be assessed. The layout space for landing chilled product and reheated product is inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the aiseways for both students and staff are undersized and do not meet ADA requirements. There is no ADA compliant workstation within the kitchen. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. ADA requires that exposed ‘P’ traps below hand sinks be insulated. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service or production is in progress. Though the site was part of the recent District HVAC improvements, some of the old, non-NSF compliant equipment has been re-used. The layout has remained essentially the same and remains non-compliant with current ADA regulations. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



“TO FIT” DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Buffum Elementary

2350 Ximeno Avenue
Long Beach, CA 90815

Planning Area

School #

Educational Specification

School Input
Incomplete

Facility Condition

84

Capacity Utilization

100



BUILDING DATA

Year Constructed
1951

Gross S.F.
40,090

Permanent Building Count
4

Oldest Building
1951

Newest Building
2002

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
-------------	------------------

Architectural	73
Plumbing	71
Mechanical	47
Fire Protection	100
Electrical	69
Communications	100
Safety and Security	93
Structural	100
5-YR FCI Score, buildings only:	76
Civil	100
5-YR FCI Score including Civil:	84



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
0	0	0		570	0%	570	100							0	0%
				171											570

Charles A. Buffum Elementary School – Facts & Figures

<p>Location 2350 Ximeno Avenue Long Beach CA 90815 562.498.2431</p>	<p>Total Campus Area 7.75 Acres</p>	<p>Years Constructed 1951, 1955, 1997, 1998, 2000</p>	<p>Total Parking 104 Stalls</p>	<p>Total Building Area Permanent Construction 40,090 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment N/A</p>	<p>Factored Capacity 741</p>	<p>Permanent Capacity 570 Temporary Capacity 171</p>	<p>Total Building Area Portables 5,760 SF</p>



Charles A. Buffum Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Ease of access/ADA compliant parking and access to front door

Activity Zones – Academic Buildings

- B** Lack of educational play equipment and natural elements at Kinder outdoor area

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Lack of adequate apparatus play zone for younger learners
- E** Lack of adequate trees and shade structures at play area
- F** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Charles A. Buffum Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	20	19,266
Portable Classrooms	6	5,760
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	26	25,056

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	N/A	1:30
Factored Capacity	741	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	N/A
Current Classroom Count	26

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,720 SF	3,900 SF
Auditorium	2,886 SF	4,758 SF
Library	1,288 SF	2,574 SF
Nutrition Services		
Cafeteria	1,527 SF	2,652 SF
Food Service	677 SF	2,028 SF
Lunch Shelter	645 SF	2,340 SF
Site		
Playground	3.87 Acres	2.0 Acres
Parking	104 Stalls	59 Stalls





Burbank Elementary

501 Junipero Ave
Long Beach, CA 90814

Planning Area
Area F Wilson
School #
6015184

Educational Specification
School Input Incomplete

Facility Condition
98

Capacity Utilization
68



BUILDING DATA

Year Constructed
1935

Gross S.F.
46,592

Permanent Building Count
3

Oldest Building
1935

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	96
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	96
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	98
Civil	100
5-YR FCI Score including Civil:	98

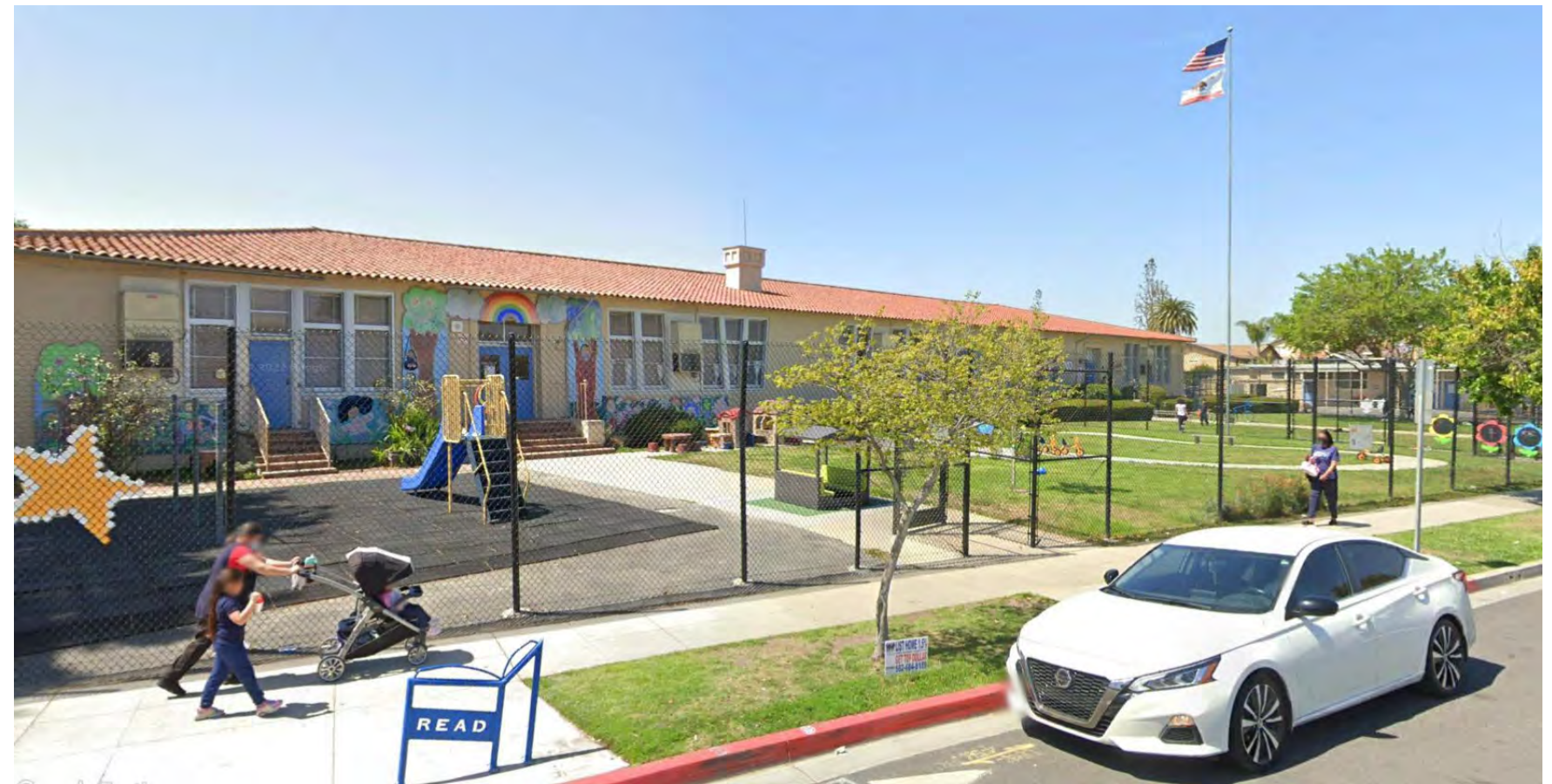


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
579	705	126	22%	536 314	132%	-169	495 85%	85 15%	580	495 72%	188 28%	683	-103 -15%	151% -273

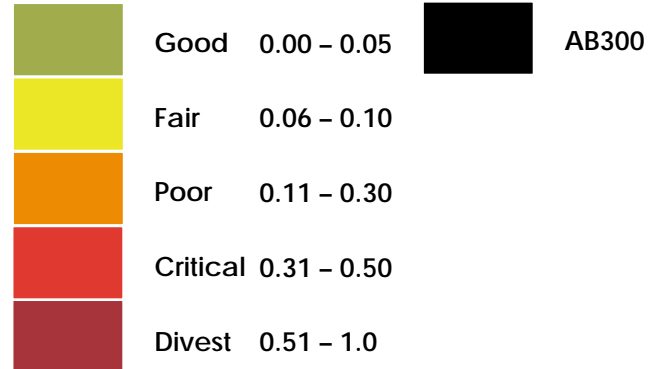
Luther Burbank Elementary School – Facts & Figures

<p>Location 501 Juniper Avenue Long Beach CA 90814 562.439.0997</p>	<p>Total Campus Area 5.55 Acres</p>	<p>Years Constructed 1935, 1950, 1954, 1966, 1967, 1997, 1998, 1999</p>	<p>Total Parking 53 Stalls</p>	<p>Total Building Area Permanent Construction 46,288 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 579</p>	<p>Factored Capacity 849</p>	<p>Permanent Capacity 536 Temporary Capacity 314</p>	<p>Total Building Area Portables 13,440 SF</p>



Luther Burbank Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

- A** Lack of ADA parking for visitors
- B** Ease of access/ADA compliance to front door

Activity Zones – Academic Buildings

- C** Remote location of portable classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- D** Lack of educational play equipment and natural elements at Kinder outdoor area
- E** Significant number of students located in portables compared to number of students in permanent buildings
- F** PK/Kinder classrooms would benefit from being co-located with shared access to single outdoor area for collaboration and ease of observation – Not all classrooms have direct access to outdoor area

Activity Zone – Core Facilities

- G** Configuration of administration relative to main campus entrance allows individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

- H** Visibility of outdoor PK/Kinder play from street
- J** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Luther Burbank Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	19	17,012
Portable Classrooms	11	10,560
◀ CAFM Designated Classroom w/Alt Use	4	2,880
Total Existing	34	30,452

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	579	1:30
Factored Capacity	849	

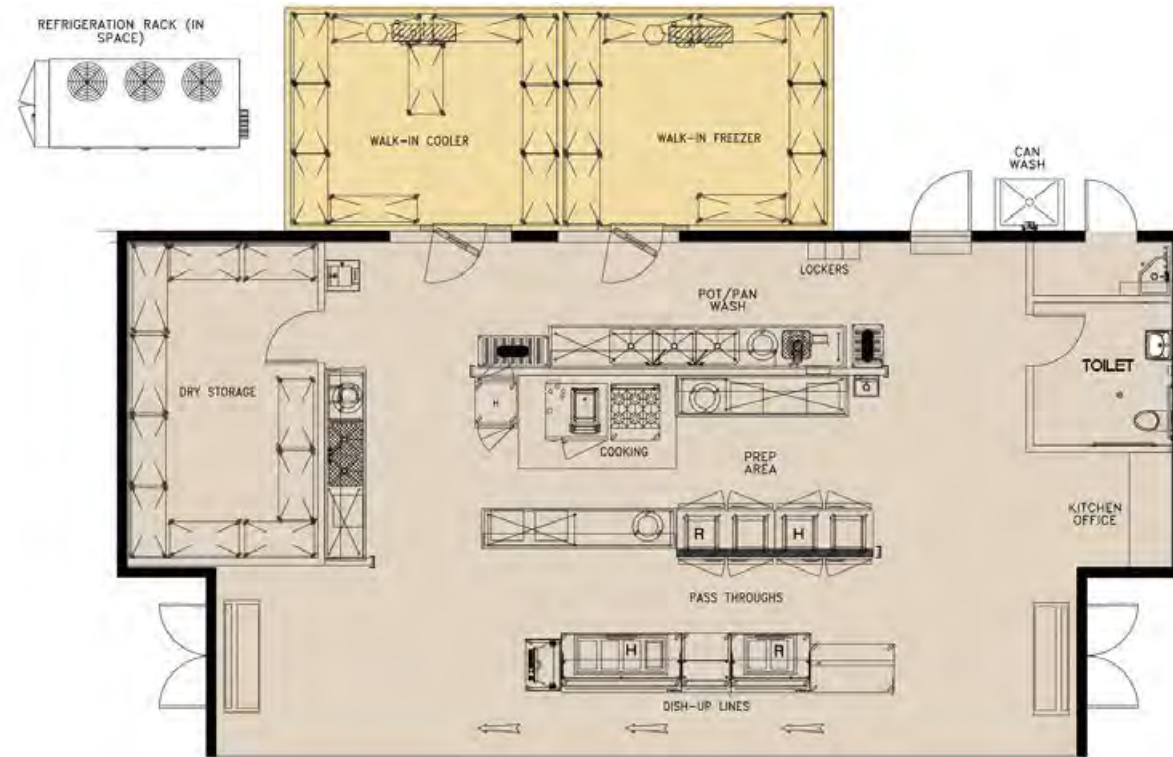
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	20
Current Classroom Count	34

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	4,695 SF	2,935 SF
Auditorium	2,531 SF	3,580 SF
Library	1,498 SF	1,937 SF
Nutrition Services		
Cafeteria	1,283 SF	1,526 SF
Food Service	746 SF	1,995 SF
Lunch Shelter	----	1,761 SF
Site		
Playground	2.59 Acres	1.7 Acres
Parking	53 Stalls	45 Stalls



Luther Burbank Elementary School – Nutrition Services Plan 2022-2032

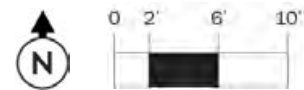


Summary Improvement Plan

Overall Evaluation:

At 746 square feet (including the Dry Storage area), the Burbank Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Burbank Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood tray rail, the wood stanchions on the food guards and the exposed wood guillotine style door near the disposer are not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. ADA requires that exposed 'P' traps below hand sinks be insulated. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Burcham Elementary

5610 East Monlaco Road
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
6015192

Educational Specification
55

Facility Condition
97

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1951	45,054	5	1951	1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	37	X	22%	8
Relationships and Collaboration	52	X	15%	8
Wellness	59	X	15%	9
Safety and Security	58	X	21%	12
Features in Learning Environment	72	X	13%	9
Operational Utility	61	X	14%	9
Educational Specification Score:				55

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	97
Plumbing	94
Mechanical	95
Fire Protection	97
Electrical	83
Communications	95
Safety and Security	100
Structural	98
5-YR FCI Score, buildings only:	
	95
Civil	100
5-YR FCI Score including Civil:	
	97



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
349	416	67	19%	599 371	70%	183	100	205 58%	149 42%	354	205 68%	96 32%	301	53 18%	61% 231

David Burcham Elementary School – Facts & Figures

<p>Location 5610 Monlaco Road Long Beach CA 90908 562.420.2685</p>	<p>Total Campus Area 10.77 Acres</p>	<p>Years Constructed 1951, 1954, 1970, 1987, 1997, 2000, 2002</p>	<p>Total Parking 18 Stalls</p>	<p>Total Building Area Permanent Construction 45,656 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 349</p>	<p>Factored Capacity 969</p>	<p>Permanent Capacity 599 Temporary Capacity 371</p>	<p>Total Building Area Portables 13,242 SF</p>



David Burcham Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Inadequate parking count and lack of parking for visitors
- B** Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

- C** Lack of educational play equipment and natural elements at Kinder outdoor area

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Lack of shade trees at play area
- F** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



David Burcham School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	21	21,052
Portable Classrooms	13	13,242
◀ CAFM Designated Classroom with Alt Use	1	960
Total Existing	35	35,254

Enrollment & Capacity

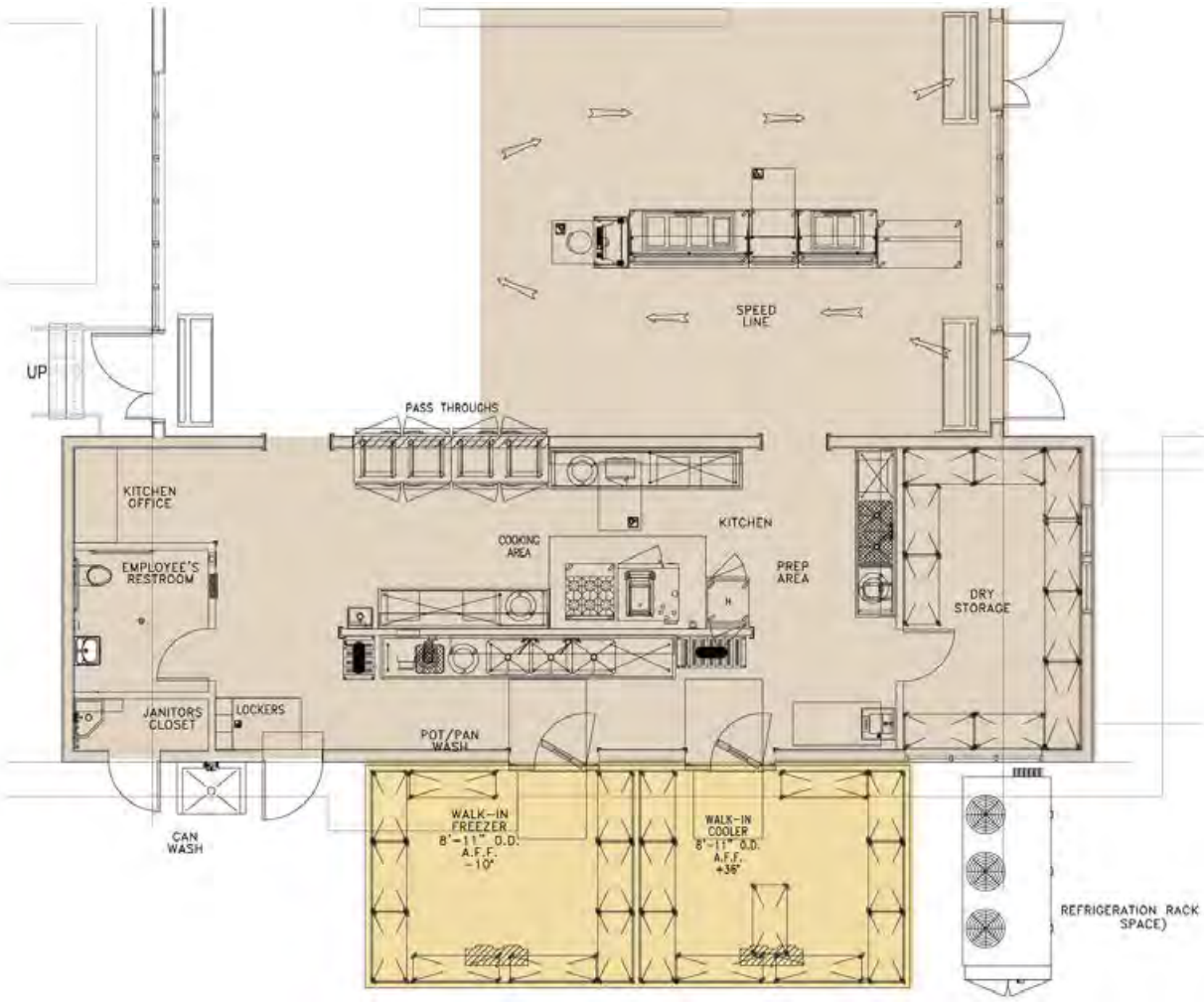
	Student Count	Loaded Clsm
2021-2022 Enrollment	349	1:30
Factored Capacity	969	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	11
Current Classroom Count	35

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,157 SF	1,700 SF
Auditorium	3,769 SF	2,074 SF
Library	1,424 SF	1,112 SF
Nutrition Services		
Cafeteria	1,237 SF	1,156 SF
Food Service	730 SF	884 SF
Lunch Shelter	1,200 SF	1,020 SF
Site		
Playground	4.7 Acres	1.4 Acres
Parking	18 Stalls	25 Stalls

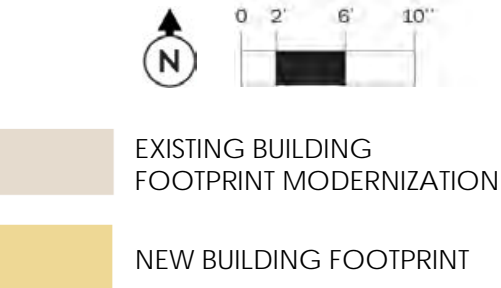




Summary Improvement Plan

At just under 730 square feet (including the Dry Storage area), the Burcham Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Burcham Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). The Health Department requires “32 linear feet of approved shelving for each 100 square feet of floor space. However, depending on the size and type of operation, additional shelving may be required.” (Plan Construction Guide for Food Facilities in Long Beach Bureau of Environmental Health Department of Health and Human Services). Interior Dry storage for Burcham Elementary consists of a single 24”x 36” 4 tier shelving unit – only 12 linear feet. There is an auxiliary exterior storage container on site, however, to access it staff must exit the kitchen, unlock the unit, gather supplies and transport them back inside. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space (note: (1) refrigerator and (1) freezer were not operational at time of site visit) and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood tray rail, the wood stanchions on the food guards and the exposed wood guillotine style door near the disposer are not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in the cafeteria are undersized. Per EHS code, air curtains should be full width of the door opening. Although there is a hand sink, there is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Carver Elementary

5335 East Pavo Street
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
6015242

Educational Specification
School Input Incomplete

Facility Condition
92

Capacity Utilization
100



BUILDING DATA

Year Constructed
1952

Gross S.F.
49,421

Permanent Building Count
5

Oldest Building
1952

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	79
Mechanical	68
Fire Protection	100
Electrical	33
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	88
Civil	100
5-YR FCI Score including Civil:	92



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
503	430	-73	-15%	650 171	66%	220	100	358 71%	143 29%	501	358 83%	71 17%	429	72 17%	55% 294

George Washington Carver Elementary School – Facts & Figures

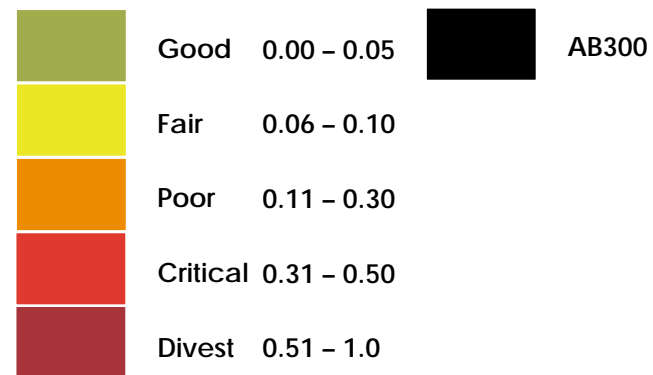
Elementary Schools

<p>Location 5335 East Pavo Street Long Beach CA 90808 562.420.2697</p>	<p>Total Campus Area 10.21 Acres</p>	<p>Years Constructed 1952, 1968, 1997, 1998, 2000, 2004</p>	<p>Total Parking 66 Stalls</p>	<p>Total Building Area Permanent Construction 49,421 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 503</p>	<p>Factored Capacity 821</p>	<p>Permanent Capacity 650 Temporary Capacity 171</p>	<p>Total Building Area Portables 7,680 SF</p>



George Washington Carver Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Lack of educational play equipment, natural elements, and shade at Kinder outdoor area
- C** Kinder classrooms do not have immediate adjacency to Kinder play

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Lack of lawn/turf area at main play area
- F** Lack of adequate shade trees and canopies at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



George Washington Carver Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	21	20,160
Portable Classrooms	6	5,760
◀ CAFM Designated Classroom w/Alt Use	7	6,720
Total Existing	34	32,640

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	503	1:30
Factored Capacity	821	

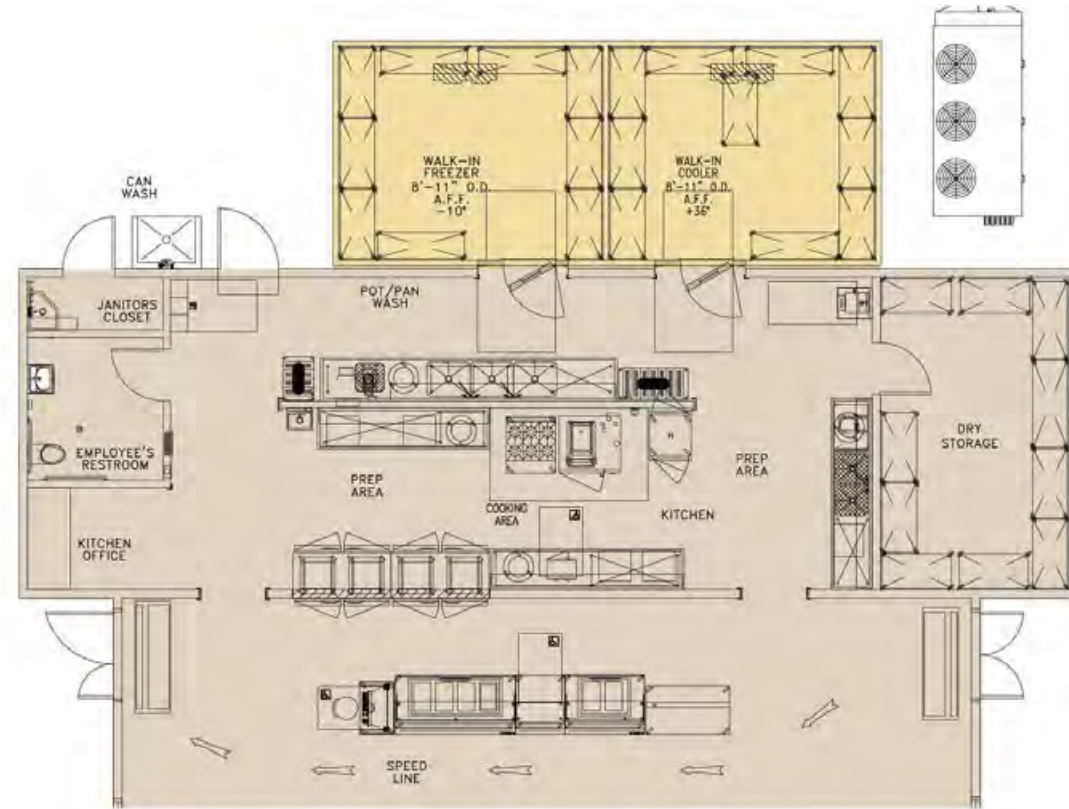
New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	17
Current Classroom Count	34

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,034 SF	2,520 SF
Auditorium	2,743 SF	3,074 SF
Library	1,455 SF	1,663 SF
Nutrition Services		
Cafeteria	2,091 SF	1,713 SF
Food Service	722 SF	1,310 SF
Lunch Shelter	2,400 SF	1,512 SF
Site		
Playground	3.64 Acres	1.4 Acres
Parking	66 Stalls	39 Stalls



George Washington Carver Elementary School – Nutrition Services Plan 2022-2032

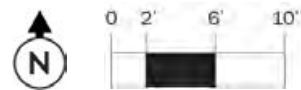


Summary Improvement Plan

Overall Evaluation:

At 722 square feet (including the Dry Storage area), the kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Carver Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage and the space is shared with the supervisor's office area, a violation of Long Beach Health Department code. Dry storage is supplemented with a remote, exterior storage container. The exhaust hood is problematic with inadequate overhangs for proper ventilation. The layout space for landing chilled product and reheated product is also inadequate. Delivery, utility, and service carts litter the kitchen. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (4) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated employee storage cabinet and exposed wood guillotine style door near the disposer is not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. They should also cover the full width of the openable door below. The air curtains in the cafeteria are undersized. The exhaust hood is problematic with inadequate overhangs for proper ventilation. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Chavez Elementary

730 West 3rd Street
Long Beach, CA 90802

Planning Area
Area D Cabrillo
School #
0107458

Educational Specification
School Input Incomplete

Facility Condition
96

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
2004	79,822	3	2004	2004

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	92
Plumbing	100
Mechanical	100
Fire Protection	93
Electrical	100
Communications	100
Safety and Security	100
Structural	98
5-YR FCI Score, buildings only:	96
Civil	100
5-YR FCI Score including Civil:	96



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
300	435	135	45%	821 0	53%	386	245 79%	65 21%	310	245 69%	110 31%	355	-45 -13%	60% 331

Cesar E. Chavez Elementary School – Facts & Figures

<p>Location 730 West Third Street Long Beach CA 90802 562.590.0904</p>	<p>Total Campus Area 5.75 Acres (2.61 Usable)</p>	<p>Years Constructed 2004</p>	<p>Total Parking 67 Stalls</p>	<p>Total Building Area Permanent Construction 79,822 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 300</p>	<p>Factored Capacity 821</p>	<p>Permanent Capacity 821 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Cesar E. Chavez Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A Vehicles may back up into the drop-off area

Activity Zones – Academic Buildings

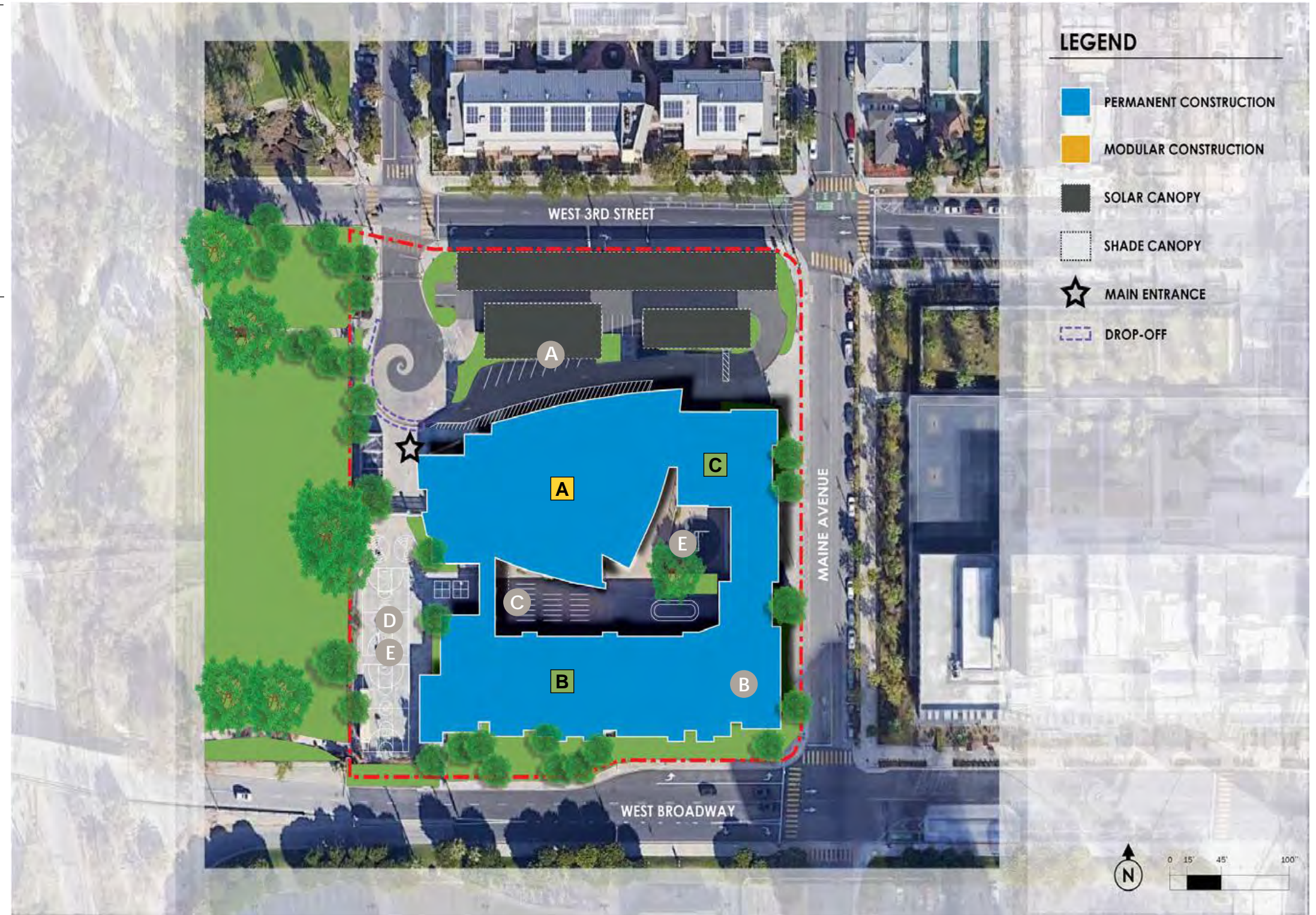
B PK classrooms are not all provided with immediate access secure outdoor play area

Activity Zone – Athletics/Physical Education

C Lack of adequately sized/equipped main play area

D Lack of adequate apparatus play for younger learners

E Lack of shade trees at play area



Cesar E. Chavez Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

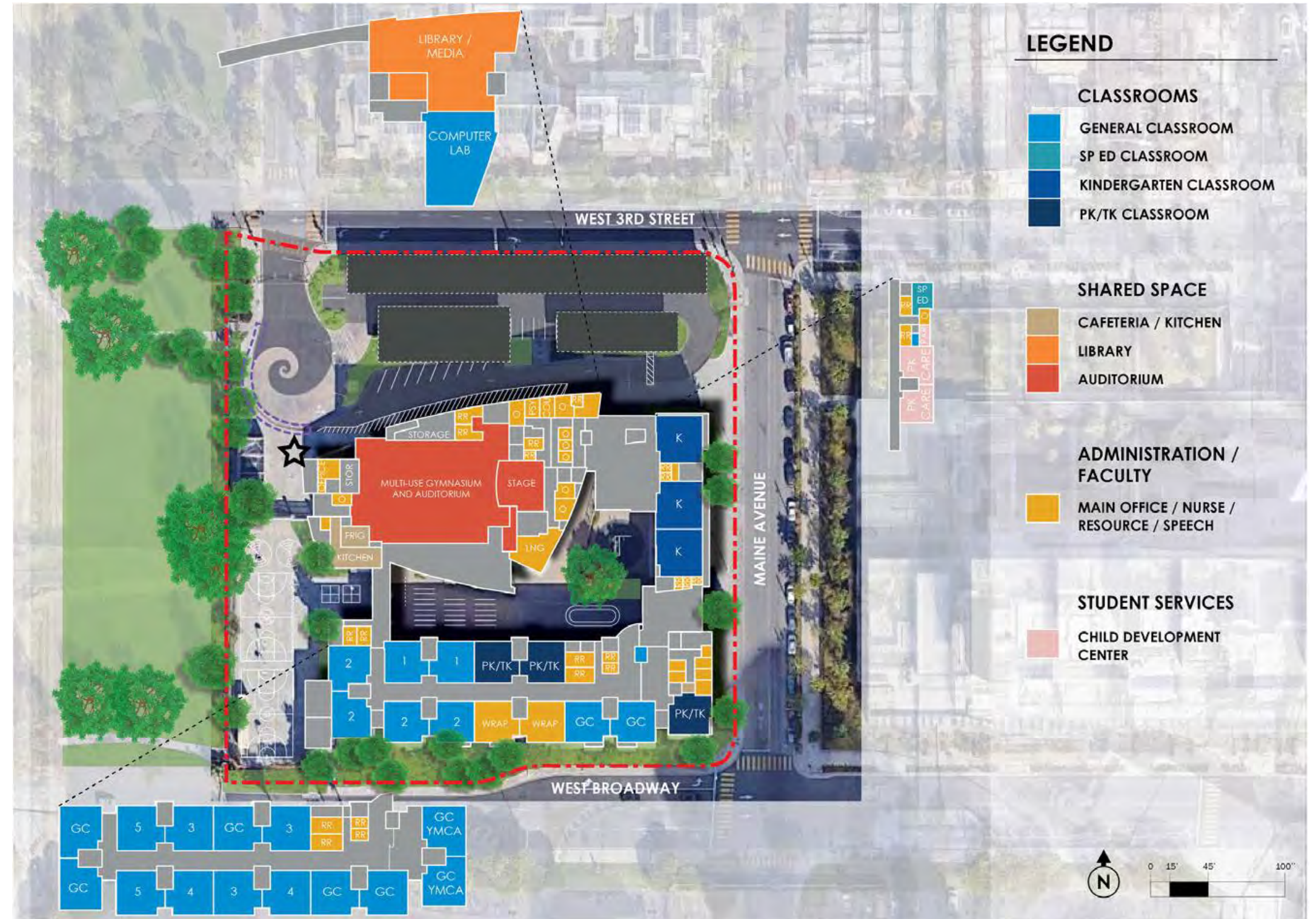
Type	#	Total SF
Permanent Classrooms	30	28,800
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	30	28,800

Enrollment & Capacity

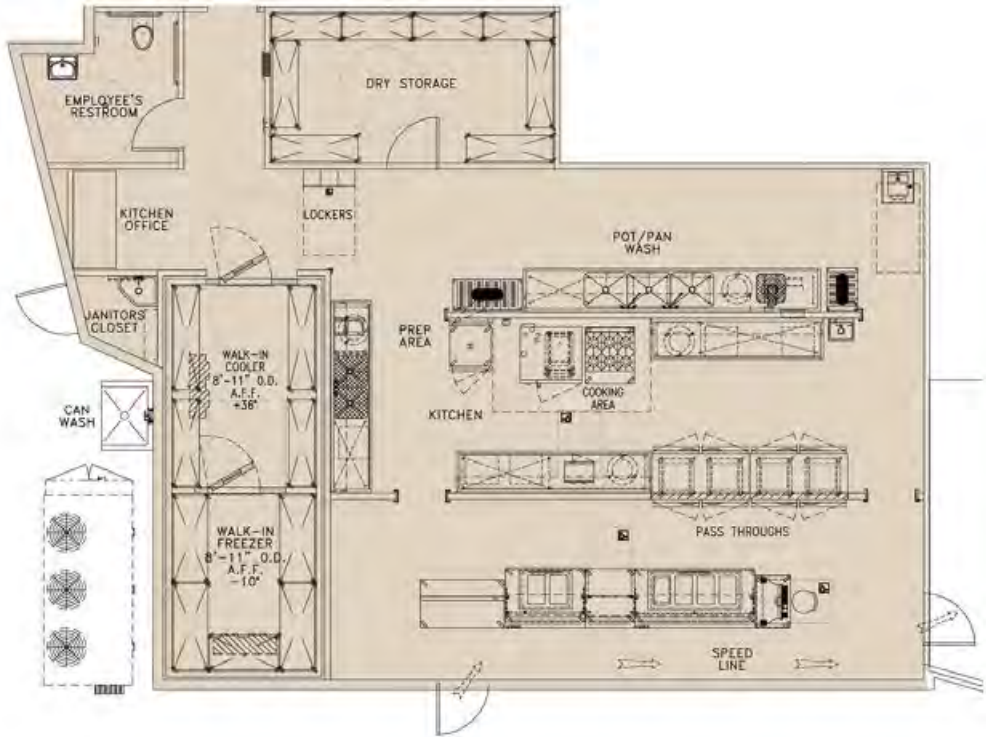
	Student Count	Loaded Clsm
2021-2022 Enrollment	300	1:30
Factored Capacity	821	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		11
Current Classroom Count		30

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	6,276 SF	1,540 SF
Gym/MPR	14,229 SF	1,878 SF
Library	2,363 SF	1,016 SF
Nutrition Services		
Cafeteria	(See MPR)	1,047 SF
Food Service	1,509 SF	800 SF
Lunch Shelter	2,695 SF	924 SF
Site		
Playground	.87 Acres	1.4 Acres
Parking (Staff)	51 Stalls	25 Stalls
Parking (Other)	67 Stalls	



Cesar E. Chavez Elementary School- Nutrition Services Plan 2022-2032

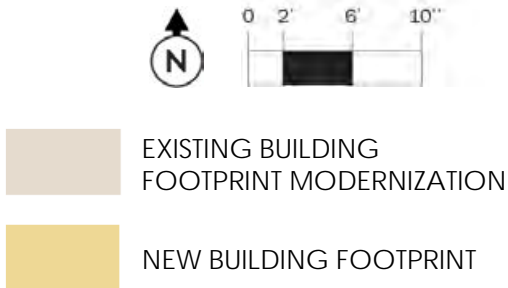


Summary Improvement Plan

Overall Evaluation:

At 1509 square feet (including the Dry Storage area and Walk-Ins), the Chavez Elementary School kitchen is adequately sized, however, the food service areas still do not meet current ADA requirements. There are no ADA compliant workstations, and the service line (while mobile) would need to be moved several inches to accommodate these requirements. Refrigeration is accommodated by a walk-in cooler and freezer. These units were locked at the time of site visit and therefore cannot be evaluated. There are an abundance of transport and utility carts on site. The exhaust hood, though newer, is oversized. This becomes problematic when tempering the air in the kitchen. An abundance of cool air ends up being exhausted and a greater amount of energy is consumed. Ultimately this results in increased utility costs for the District. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Cleveland Elementary

4760 Hackett Avenue
Lakewood, CA 90713

Planning Area
Area B Lakewood
School #
6015259

Educational Specification
50

Facility Condition
98

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1952	49,421	5	1952	1990

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	10	X	22%	2
Relationships and Collaboration	49	X	15%	7
Wellness	46	X	15%	7
Safety and Security	82	X	21%	17
Features in Learning Environment	60	X	13%	8
Operational Utility	56	X	14%	8
Educational Specification Score:				50

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	98
Plumbing	98
Mechanical	94
Fire Protection	96
Electrical	89
Communications	94
Safety and Security	100
Structural	97
5-YR FCI Score, buildings only:	
	96
Civil	100
5-YR FCI Score including Civil:	
	98



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
455	476	21	5%	667	71%	191	100	385	72	457	385	112	497	-40	78%
				200				84%	16%		77%	23%		-8%	149

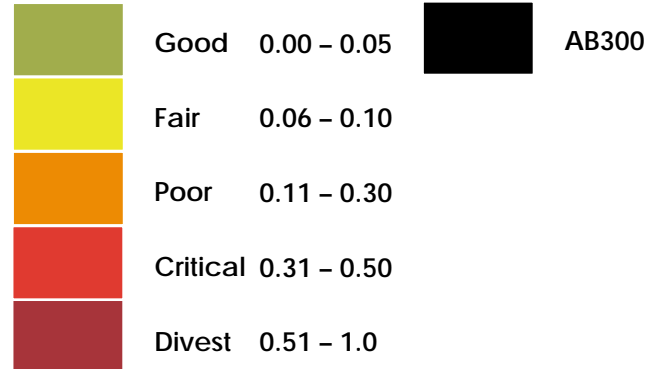
Grover Cleveland Elementary School – Facts & Figures

<p>Location 4760 Hackett Avenue Lakewood CA 90713 562.420.7552</p>	<p>Total Campus Area 10.78 Acres</p>	<p>Years Constructed 1952, 1953, 1954, 1967, 1987, 1990, 1999</p>	<p>Total Parking 20 Stalls</p>	<p>Total Building Area Permanent Construction 49,421 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 455</p>	<p>Factored Capacity 866</p>	<p>Permanent Capacity 667 Temporary Capacity 200</p>	<p>Total Building Area Portables 6,720 SF</p>



Grover Cleveland Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

B Lack of educational play equipment and natural elements at Kinder outdoor area

C Lack of immediate adjacency of all Kinder classrooms to outdoor area

Activity Zone – Athletics/Physical Education

D Visibility of outdoor Kinder play from street

E Lack of adequate lawn/turf area at main play area

F Lack of shade trees and natural elements at play area

G Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Grover Cleveland Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	21	20,103
Portable Classrooms	7	6,720
◀ CAFM Designated Classroom with Alt Use	3	2,880
Total Existing	31	29,703

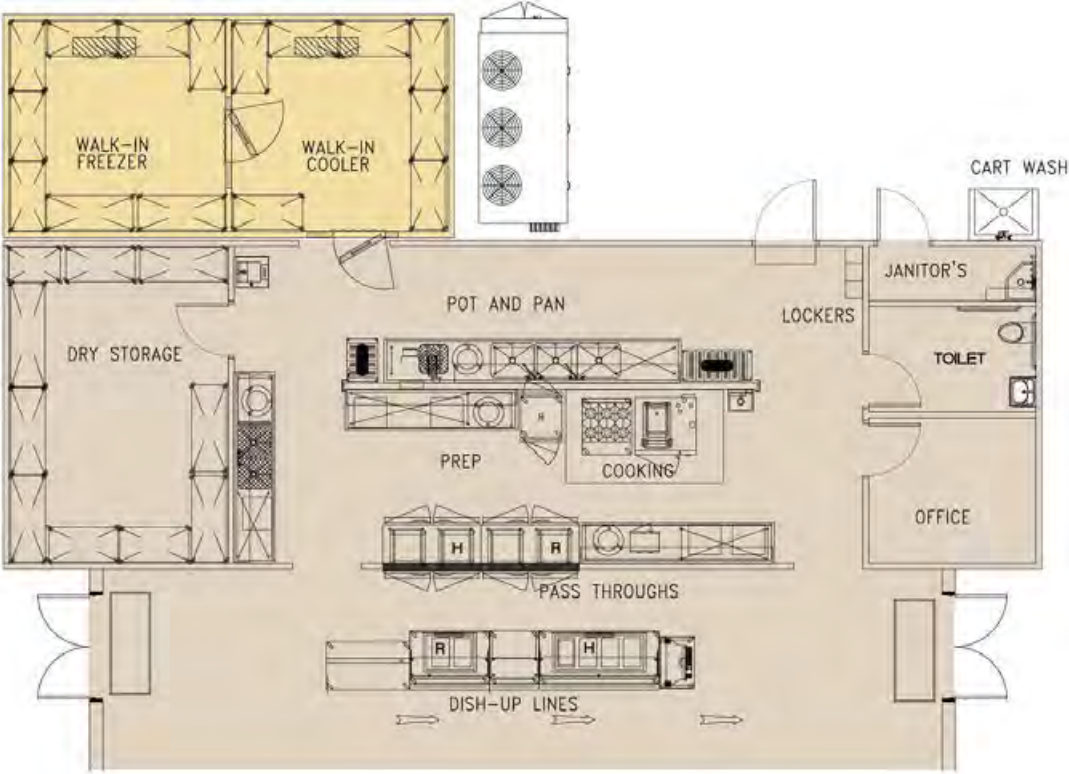
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	455	1:30
Factored Capacity	866	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		16
Current Classroom Count		31

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,954 SF	2,300 SF
Auditorium	2,511 SF	2,806 SF
Library	1,539 SF	1,518 SF
Nutrition Services		
Cafeteria	2,279 SF	1,564 SF
Food Service	723 SF	1,196 SF
Lunch Shelter	820 SF	1,380 SF
Site		
Playground	6.4 Acres	1.4 Acres
Parking	20 Stalls	36 Stalls



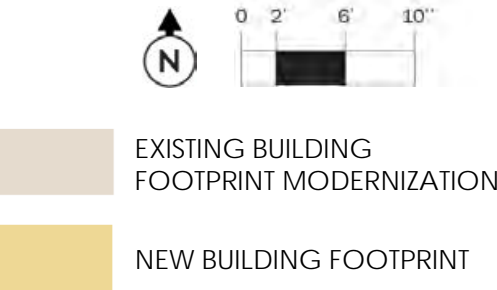


Summary Improvement Plan

Overall Evaluation:

At 723 square feet (including the Dry Storage area), the Cleveland Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Cleveland Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area – an EHS code violation). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Dry storage is supplemented with a remote, exterior storage container. There is no exterior ramp for the storage container which necessitates a step up to access the interior. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood utility carts, wood end cap to serving counter and the exposed wood guillotine style door near the disposer are not EHS code compliant. One air curtain in the cafeteria is either wired to be switch activated or non-operational at time of site visit. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Five of the dining tables in the cafeteria do not properly lock in the open position. This is a safety issue for students and staff. The current placement of the cooking equipment below the exhaust hood takes away the required side overhangs and renders the hood non-compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Dooley Elementary

5075 Long Beach Boulevard
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
0114603

Educational Specification
School Input Incomplete

Facility Condition
96

Capacity Utilization
100



BUILDING DATA

Year Constructed
2007

Gross S.F.
101,500

Permanent Building Count
4

Oldest Building
2007

Newest Building
2007

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	92
Plumbing	97
Mechanical	99
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	96
Civil	100
5-YR FCI Score including Civil:	96



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
782	730	-52	-7%	1,568 0	47%	838	100	659 85%	119 15%	778	659 79%	172 21%	831	-53 -6%	50% 789

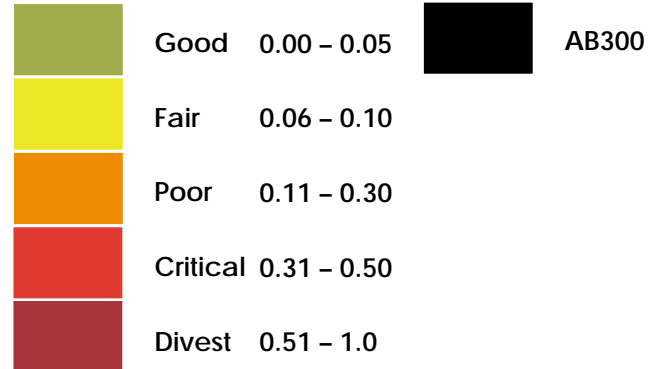
Dooley Elementary School – Facts & Figures (Formerly Sutter)

<p>Location 5075 Long Beach Boulevard Long Beach, CA 90805 562.423.6451</p>	<p>Total Campus Area 9.24 Acres</p>	<p>Years Constructed 2007</p>	<p>Total Parking 125 Stalls</p>	<p>Total Building Area Permanent Construction 68,983 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 782</p>	<p>Factored Capacity 1,568</p>	<p>Permanent Capacity 1,568 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Dooley Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Visibility of outdoor Kinder play from street



Dooley Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	40	38,400
Portable Classrooms	-----	-----
◀ CAFM Designated Classroom w/Alt Use	16	14,480
Total Existing	56	52,880

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	782	1:30
Factored Capacity	1,568	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	27
Current Classroom Count	56

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	5,114 SF	3,975 SF
Multipurpose	5,158 SF	4,849 SF
Library	3,868 SF	2,623 SF
Nutrition Services		
Cafeteria	(See MPR)	2,703 SF
Food Service	1,309 SF	2,067 SF
Lunch Shelter	-----	2,385 SF
Site		
Playground	5.16 Acres	2.0 Acres
Parking	125 Stalls	61 Stalls

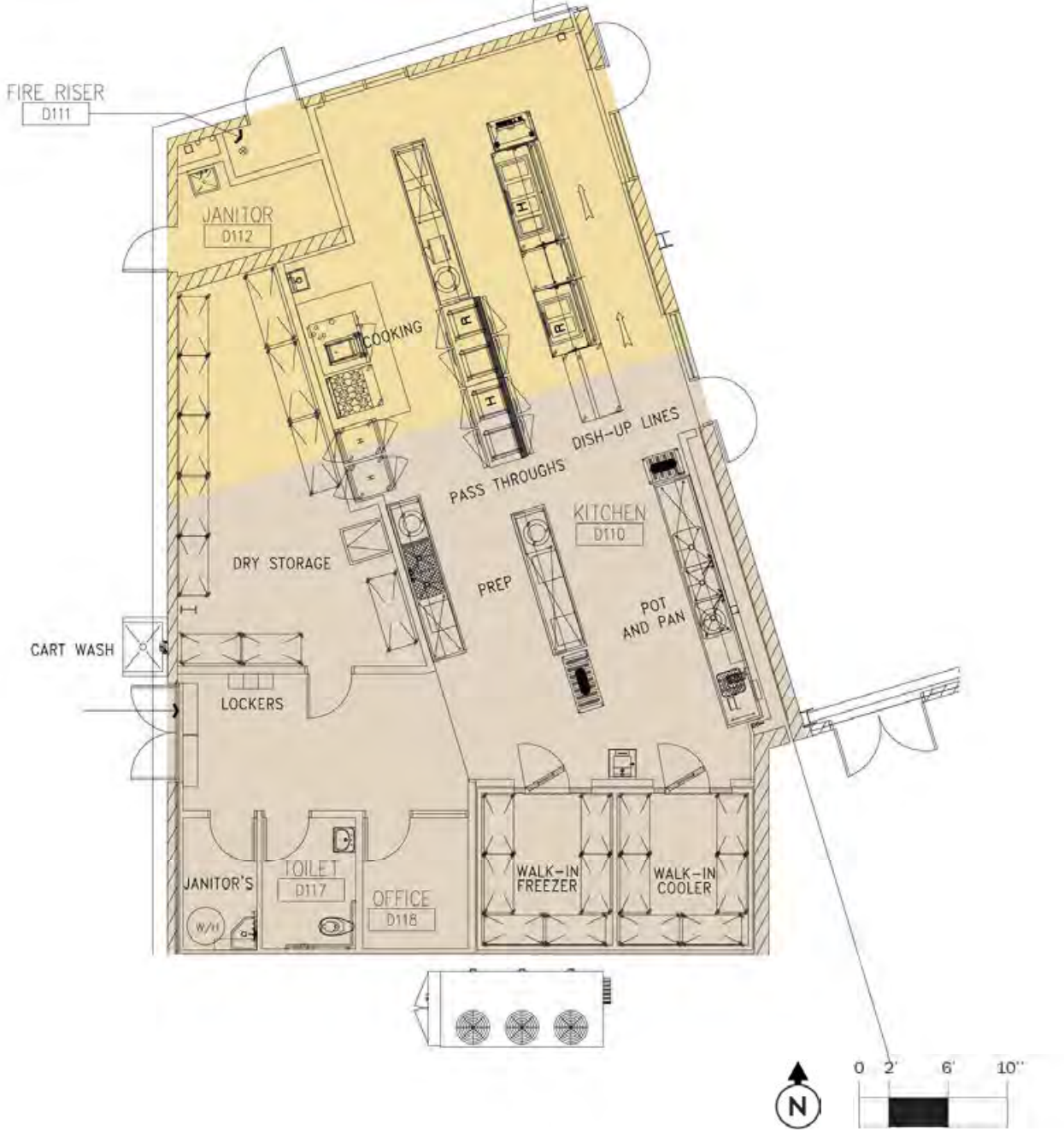


Dooley Elementary School – Nutrition Services Plan 2022-2032

Summary Improvement Plan

Overall Evaluation:

At 1309 square feet (including the Dry Storage area), the Dooley Elementary School kitchen is large. This space is oversized for the 2021-2022 Enrollment and service model. The kitchen has sufficient dedicated dry storage. Refrigeration is accommodated by a walk-in cooler and freezer. These units were locked at the time of site visit and therefore cannot be evaluated. The walk-ins are supplemented with a self-contained refrigerator and (2) milk coolers within the kitchen space and an additional refrigerator in the cafeteria. The food service areas at Dooley Elementary School meet current ADA and EHS requirements, however, the ingress and egress for the mobile service line is not ADA compliant. The line would need to be moved 1 to 2 feet deeper into the kitchen (measurement is dependent on whether the tray rails are being utilized) to accommodate ADA requirements. The service aisle for the staff would then be out of compliance for the very same reason. There are (3) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



“TO FIT” DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Edison Elementary

625 Maine Avenue
Long Beach, CA 90802

Planning Area
Area D Cabrillo
School #
6015275

Educational Specification
School Input Incomplete

Facility Condition
88

Capacity Utilization
100



BUILDING DATA

Year Constructed
1935

Gross S.F.
62,794

Permanent Building Count
8

Oldest Building
1935

Newest Building
2001

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	94
Plumbing	98
Mechanical	76
Fire Protection	98
Electrical	66
Communications	98
Safety and Security	100
Structural	98
5-YR FCI Score, buildings only:	90
Civil	80
5-YR FCI Score including Civil:	88

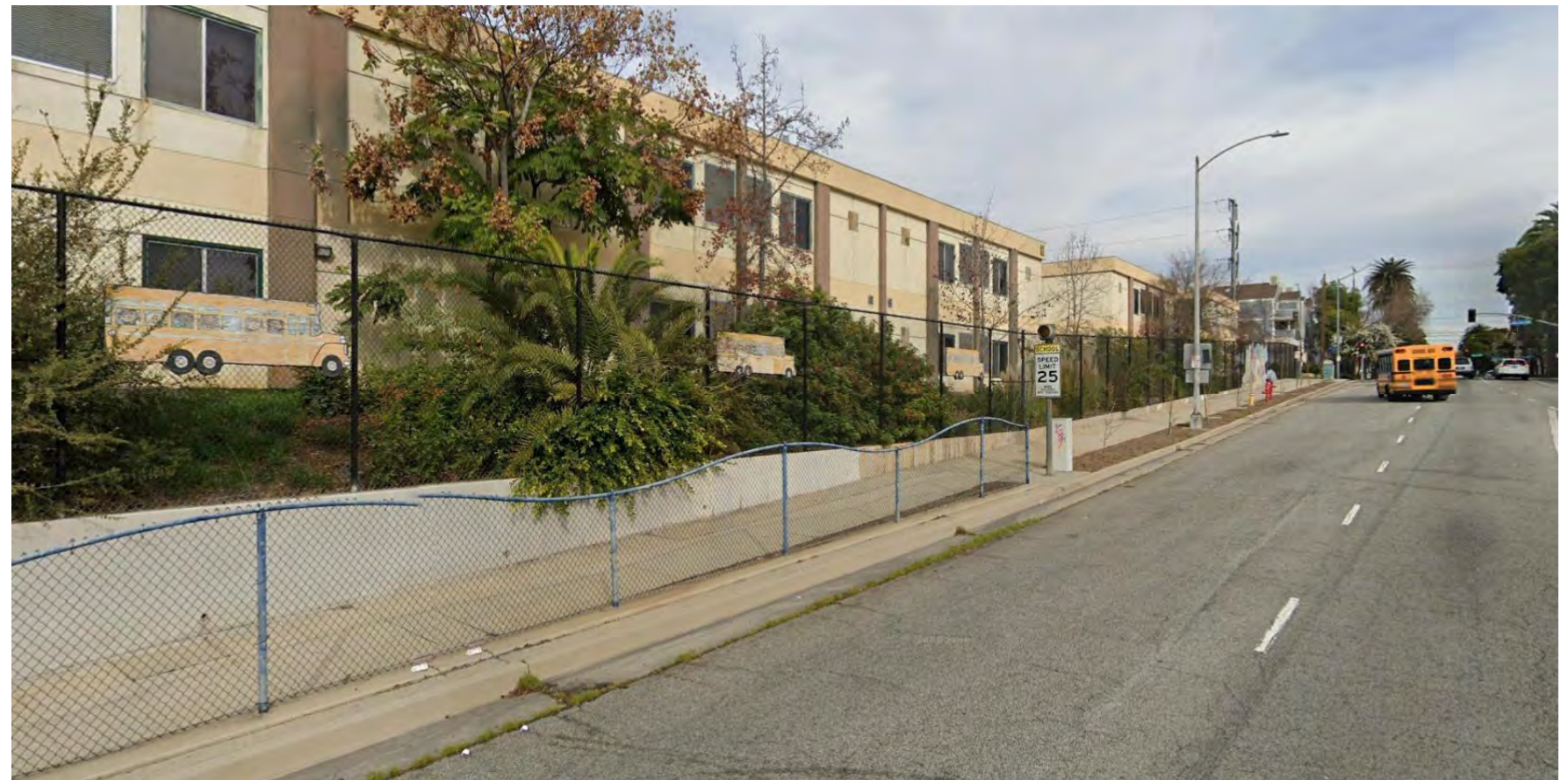


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
425	423	-2	0%	1,237	34%	814	100	340	96	436	340	87	427	9	34%
				57				78%	22%		80%	20%		2%	812

Thomas A. Edison Elementary School – Facts & Figures

<p>Location 625 Maine Avenue Long Beach CA 90813 562.590.8481</p>	<p>Total Campus Area 5.7 Acres</p>	<p>Years Constructed 1935, 1944, 1948, 1950, 1953, 1966, 1967, 1990, 1993, 1995, 1997, 1999, 2000, 2001</p>	<p>Total Parking 68 Stalls</p>	<p>Total Building Area Permanent Construction 62,794 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 425</p>	<p>Factored Capacity 1,294</p>	<p>Permanent Capacity 1,237 Temporary Capacity 57</p>	<p>Total Building Area Portables 1,722 SF</p>



Thomas A. Edison Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Lack of unified program layout with grades split on both sides of roadway making it difficult to offer same grade PBL and teacher collaboration
- B** Kinder groups clustered in multiple groups with roadway bisecting access and shared use

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Lack of lawn/turf area at main play area
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Thomas A. Edison Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	34	31,280
Portable Classrooms	2	1,920
◀ CAFM Designated Classroom w/Alt Use	11	10,560
Total Existing	47	43,760

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	425	1:30
Factored Capacity	1,294	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	15
Current Classroom Count	47

2021-2022 Planning Capacity

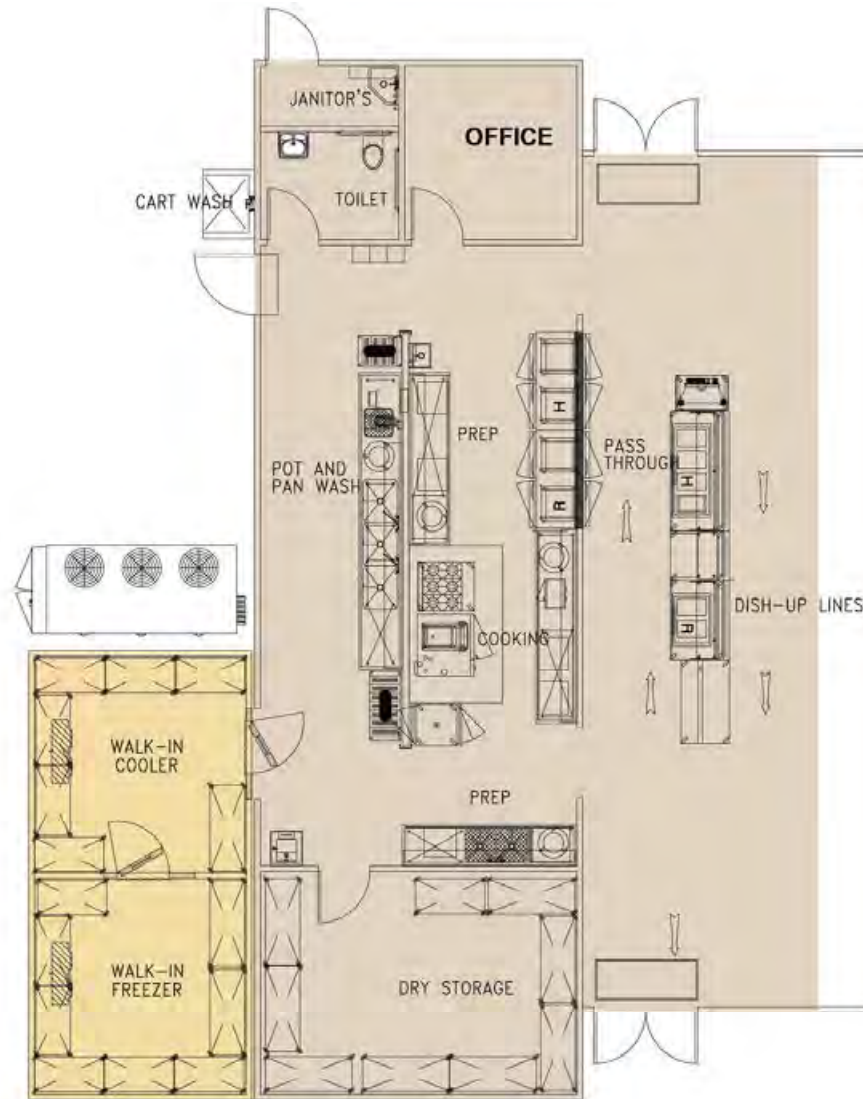
Category	Existing	Planning Capacity
Administration	2,190 SF	2,205 SF
Auditorium	2,182 SF	2,690 SF
Library	1,667 SF	1,455 SF
Nutrition Services		
Cafeteria	1,546 SF	1,499 SF
Food Service	732 SF	1,146 SF
Lunch Shelter	890 SF	1,323 SF
Site		
Playground	-----	1.4 Acres
Parking	68 Stalls	34 Stalls



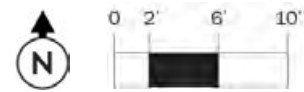
Summary Improvement Plan

Overall Evaluation:

At 732 square feet (including the Dry Storage area), the Edison Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Edison Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The existing exhaust hood is not UL Listed, has inadequate ventilation as required by UMC code and does not comply with NFPA code with regard to fire suppression and wall sheathing. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (8) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated employee storage cabinet and the guillotine style door near the disposer is not EHS code compliant. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Codes require a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. A non-combustible wall finish is required behind the cooking equipment. Wall flashing is also required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Emerson Parkside Academy

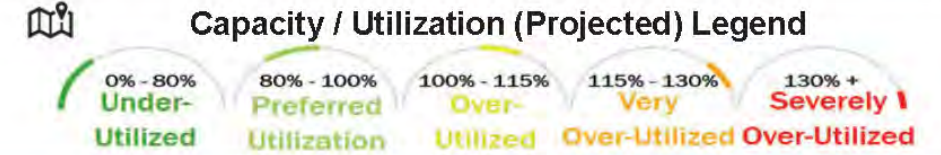
2625 Josie Avenue
Long Beach, CA 90815

Planning Area
Area C Millikan
School #
6015283

Educational Specification
50

Facility Condition
91

Capacity Utilization
100



BUILDING DATA

Year Constructed
1952

Gross S.F.
47,154

Permanent Building Count
4

Oldest Building
1952

Newest Building
2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	26	X	22%	6
Relationships and Collaboration	44	X	15%	7
Wellness	39	X	15%	6
Safety and Security	82	X	21%	17
Features in Learning Environment	57	X	13%	7
Operational Utility	52	X	14%	7
Educational Specification Score:				50

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	94
Plumbing	70
Mechanical	51
Fire Protection	93
Electrical	82
Communications	90
Safety and Security	100
Structural	95
5-YR FCI Score, buildings only:	
	86
Civil	100
5-YR FCI Score including Civil:	
	91



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
328	338	10	3%	713 371	47%	375	100	202 62%	125 38%	327	202 75%	69 25%	271	56 21%	39% 432

Emerson Parkside Academy School – Facts & Figures

<p>Location 2625 Josie Avenue Long Beach CA 90815 562.420.2631</p>	<p>Total Campus Area 10.22 Acres</p>	<p>Years Constructed 1952, 1955, 1956, 1988, 1996, 2000, 2003, 2004</p>	<p>Total Parking 30 Stalls</p>	<p>Total Building Area Permanent Construction 47,154 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 328</p>	<p>Factored Capacity 1,083</p>	<p>Permanent Capacity 713 Temporary Capacity 371</p>	<p>Total Building Area Portables 11,736 SF</p>



Emerson Parkside Academy School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

B Remote location of upper grade classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

C Significantly larger number of students located in portables compared to number of students in permanent buildings

Activity Zone – Core Facilities

D Lack of adequate fencing at entry

Activity Zone – Athletics/Physical Education

E Visibility of outdoor Kinder play from street

F Lack of ample shade trees and canopies at play area

G Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Emerson Parkside Academy School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	29	24,234
Portable Classrooms	13	11,736
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	42	35,970

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	328	1:30
Factored Capacity	1,083	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	11
Current Classroom Count	42

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,709 SF	1,660 SF
Auditorium	2,752 SF	2,025 SF
Library	1,186 SF	1,095 SF
Nutrition Services		
Cafeteria	2,092 SF	1,128 SF
Food Service	729 SF	863 SF
Lunch Shelter	820 SF	996 SF
Site		
Playground	6.6 Acres	1.4 Acres
Parking	30 Stalls	25 Stalls

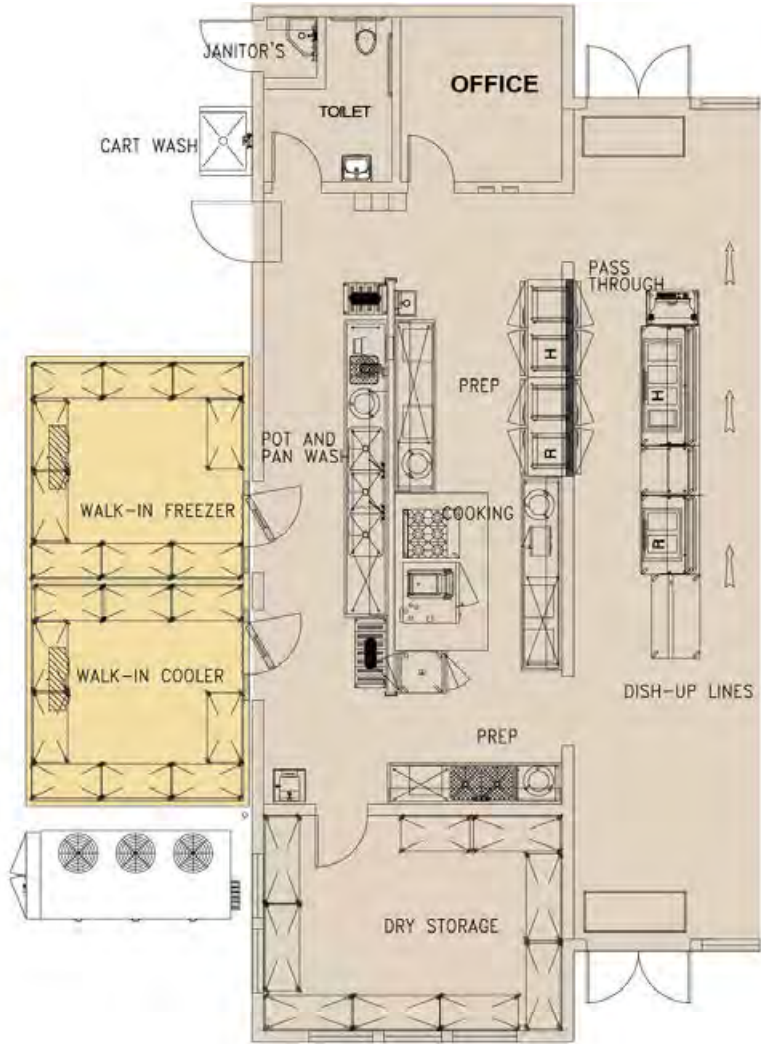


Emerson Parkside Academy School – Nutrition Services Plan 2022-2032

Summary Improvement Plan

Overall Evaluation:

At 729 square feet (including the Dry Storage area), the Emerson Elementary School kitchen is undersized. The service line is accessed within the kitchen space. Though recently renovated as part of the LBUSD HVAC Construction project, the layout remained the same. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by a walk-in cooler and freezer. These units were locked at the time of site visit and therefore cannot be evaluated. The walk-ins are supplemented with (2) self-contained refrigerators and a milk cooler within the kitchen space and an additional milk cooler in the cafeteria. The air curtains in both the kitchen and cafeteria are full width and plunger activated. There is an employee hand sink and a dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



"TO FIT" DESIGN





Fremont Elementary

4000 East 4th Street
Long Beach, CA 90814

Planning Area
Area F Wilson
School #
6015309

Educational Specification
School Input Incomplete

Facility Condition
96

Capacity Utilization
91



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1934	32,729	5	1934	1995

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	95
Plumbing	97
Mechanical	93
Fire Protection	95
Electrical	86
Communications	92
Safety and Security	97
Structural	100
5-YR FCI Score, buildings only:	95
Civil	100
5-YR FCI Score including Civil:	96



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
449	464	15	3%	428	109%	-37	91	304	145	449	304	63	367	82	89%
				143				68%	32%		83%	17%		22%	46

John C. Fremont Elementary School – Facts & Figures

<p>Location 4000 East Fourth Street Long Beach CA 90814 562.439.6873</p>	<p>Total Campus Area 3.73 Acres</p>	<p>Years Constructed 1934, 1950, 1967, 1994, 1997</p>	<p>Total Parking -----</p>	<p>Total Building Area Permanent Construction 30,529 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 449</p>	<p>Factored Capacity 570</p>	<p>Permanent Capacity 428 Temporary Capacity 143</p>	<p>Total Building Area Portables 5,760 SF</p>



John C. Fremont Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- (A) Inadequate secured parking from play area
- (B) ADA compliant parking to front door

Pedestrian Circulation

- (C) Unprotected areas where security fencing is not present
- (D) Fencing height allows access onto site

Activity Zone – Athletics/Physical Education

- (E) Visibility of outdoor Kinder play from street
- (F) Lack of lawn/turf area at main play area
- (G) Lack of shade trees and canopies at play area
- (H) Difficult to read ground games / lack light-colored surfaces
- (J) Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



John C. Fremont Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	15	13,522
Portable Classrooms	5	4,800
◀CAFM Designated Classroom w/Alt Use	1	960
Total Existing	21	19,312

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	449	1:30
Factored Capacity	570	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	16
Current Classroom Count	21

2021-2022 Planning Capacity

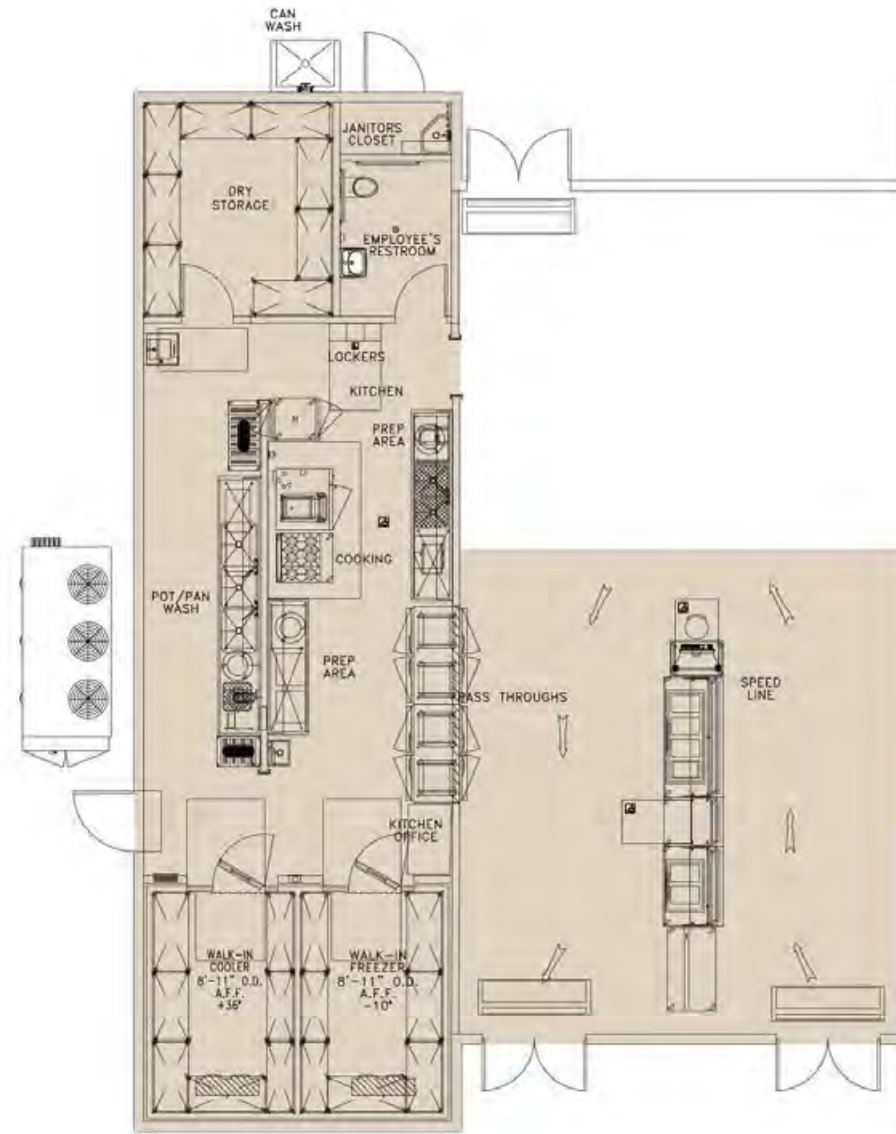
Category	Existing	Planning Capacity
Administration	1,526 SF	2,255 SF
Auditorium	2,684 SF	2,751 SF
Library	1,312 SF	1,488 SF
Nutrition Services		
Cafeteria	1,285 SF	1,533 SF
Food Service	728 SF	1,172 SF
Lunch Shelter	860 SF	1,353 SF
Site		
Playground	1.82 Acres	1.4 Acres
Parking	N/A	36 Stalls



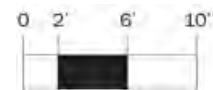
Summary Improvement Plan

Overall Evaluation:

At 728 square feet (including the Dry Storage area), the Fremont Elementary School kitchen is small and cramped. Though recently renovated as part of the LBusd HVAC Construction project, the food service areas at Fremont Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. There is only one production table located with the kitchen space. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space. One of the air curtains in the cafeteria is wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Air curtains must cover the full width of the door opening below. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Gant Elementary

1854 North Britton Drive
Long Beach, CA 90815

Planning Area
Area F Wilson
School #
6015317

Educational Specification
56

Facility Condition
85

Capacity Utilization
100



BUILDING DATA

Year Constructed
1951

Gross S.F.
42,399

Permanent Building Count
4

Oldest Building
1951

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	30	X	22%	7
Relationships and Collaboration	51	X	15%	8
Wellness	62	X	15%	9
Safety and Security	84	X	21%	18
Features in Learning Environment	57	X	13%	7
Operational Utility	51	X	14%	7
Educational Specification Score:				56

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	87
Plumbing	96
Mechanical	72
Fire Protection	95
Electrical	45
Communications	62
Safety and Security	21
Structural	100
5-YR FCI Score, buildings only:	
	83
Civil	100
5-YR FCI Score including Civil:	
	85

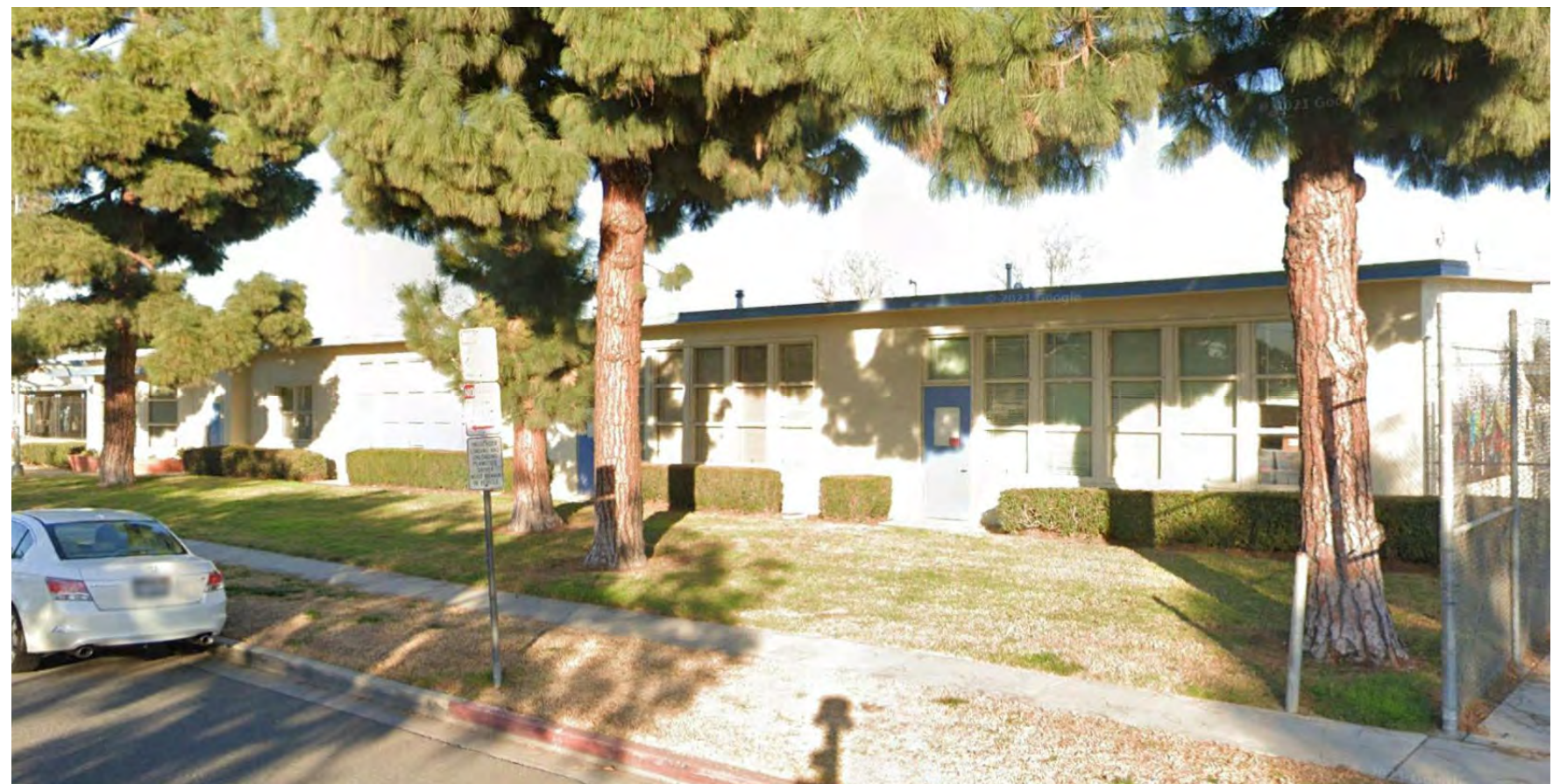


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
593	578	-15	-3%	599	97%	21	100	341	257	598	341	42	383	215	61%
				342				57%	43%		89%	11%		56%	231

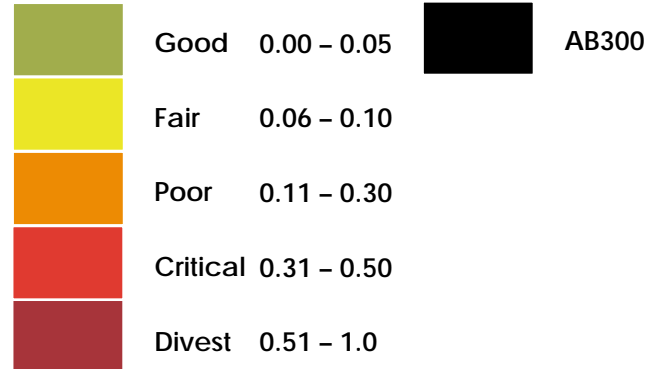
Minnie Gant Elementary School – Facts & Figures

<p>Location 1854 Britton Drive Long Beach CA 90815 562.30.3384</p>	<p>Total Campus Area 9.1 Acres</p>	<p>Years Constructed 1935, 1951, 1960, 1968, 1988, 1997</p>	<p>Total Parking 124 Stalls</p>	<p>Total Building Area Permanent Construction 42,399 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 593</p>	<p>Factored Capacity 941</p>	<p>Permanent Capacity 599 Temporary Capacity 342</p>	<p>Total Building Area Portables 10,560 SF</p>



Minnie Gant Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Lack of co-location of Kinder programs and direct access to Kinder play area
- C** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Lack of adequate shade trees and canopies at play area
- F** Difficult to read ground games / lack light-colored surfaces
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Minnie Gant Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	19	19,229
Portable Classrooms	12	10,560
◀ CAFM Designated Classroom w/Alt Use	4	2,880
Total Existing	35	32,669

Enrollment & Capacity

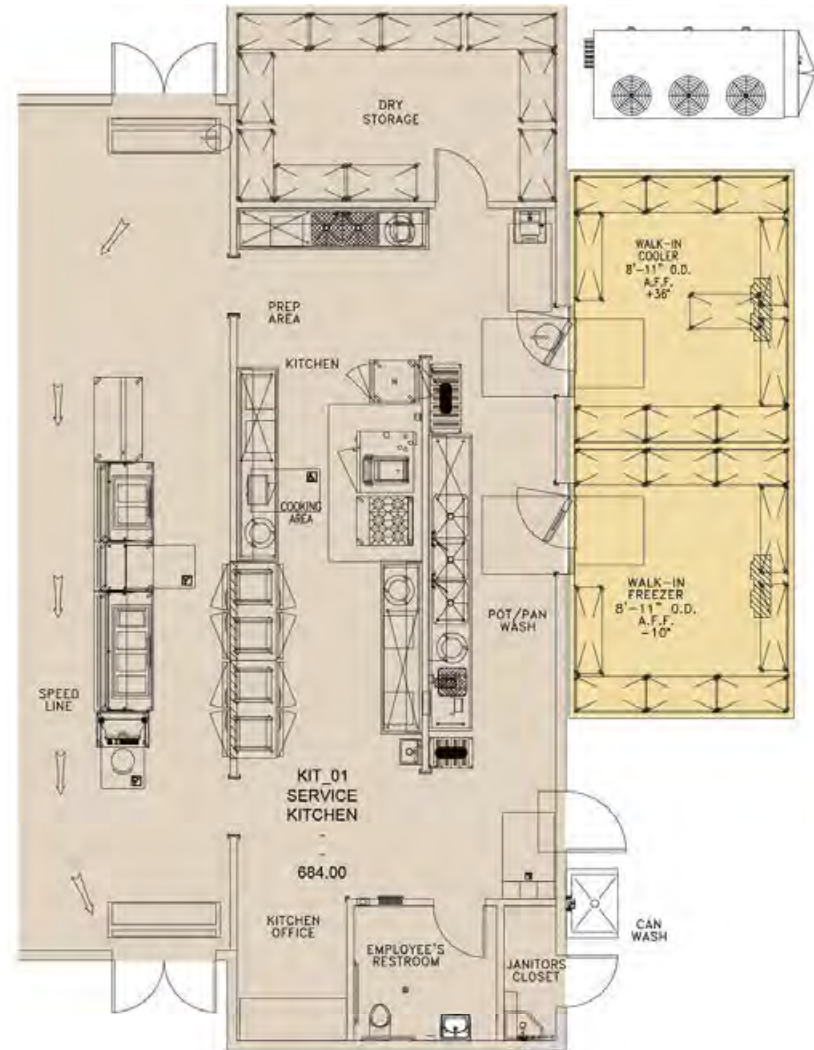
	Student Count	Loaded Clsm
2021-2022 Enrollment	593	1:30
Factored Capacity	941	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		20
Current Classroom Count		35

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,089 SF	2,955 SF
Auditorium	2,285 SF	3,605 SF
Library	1,512 SF	1,950 SF
Nutrition Services		
Cafeteria	1,495 SF	2,009 SF
Food Service	729 SF	1,536 SF
Lunch Shelter	860 SF	1,773 SF
Site		
Playground	4.5 Acres	1.7 Acres
Parking	124 Stalls	45 Stalls



Minnie Gant Elementary School – Nutrition Services Plan 2022-2032

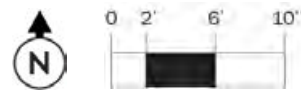


Summary Improvement Plan

Overall Evaluation:

At 729 square feet (including the Dry Storage area), the Gant Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Gant Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated employee storage cabinet and the exposed wood guillotine style door near the disposer are not EHS code compliant. One of the air curtains in the cafeteria is either wired to be switch activated or non-operational at time of site visit. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Codes require a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. A non-combustible wall finish is required behind the cooking equipment. Wall flashing is also required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains should cover the full width of the door opening below. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Garfield Elementary

2240 Baltic Avenue
Long Beach, CA 90810

Planning Area
Area D Cabrillo
School #
6015325

Educational Specification
55

Facility Condition
92

Capacity Utilization
100



BUILDING DATA

Year Constructed
1935

Gross S.F.
63,439

Permanent Building Count
6

Oldest Building
1935

Newest Building
1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	33	X	22%	7
Relationships and Collaboration	47	X	15%	7
Wellness	57	X	15%	9
Safety and Security	84	X	21%	18
Features in Learning Environment	47	X	13%	6
Operational Utility	63	X	14%	9
Educational Specification Score:				55

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	90
Plumbing	97
Mechanical	90
Fire Protection	90
Electrical	84
Communications	91
Safety and Security	100
Structural	91
5-YR FCI Score, buildings only:	
	90
Civil	100
5-YR FCI Score including Civil:	
	92



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
573	546	-27	-5%	884	62%	338	100	512	56	568	512	148	660	-92	72%
				342				90%	10%		78%	22%		-14%	251

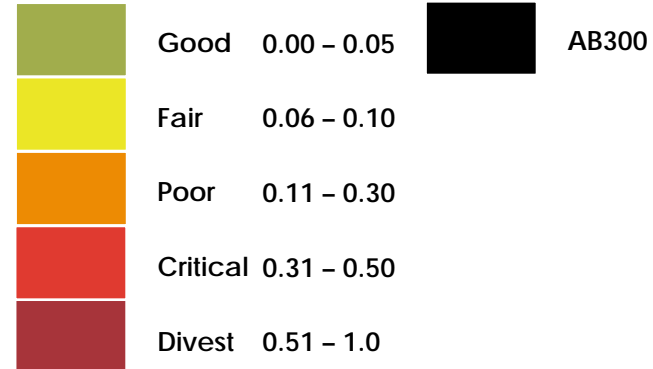
James A. Garfield Elementary School – Facts & Figures

<p>Location 2240 Baltic Avenue Long Beach CA 90818 562.424.8167</p>	<p>Total Campus Area 8.36 Acres</p>	<p>Years Constructed 1935, 1945, 1948, 1951, 1952, 1953, 1966, 1967, 1987, 1993, 1997</p>	<p>Total Parking 65 Stalls</p>	<p>Total Building Area Permanent Construction 63,439 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 573</p>	<p>Factored Capacity 1,226</p>	<p>Permanent Capacity 884 Temporary Capacity 342</p>	<p>Total Building Area Portables 19,764 SF</p>



James A. Garfield Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Pedestrian Circulation

A Fencing height allows access onto site

Activity Zones – Academic Buildings

B Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

C Lack of co-location of Kinder programs and direct access to Kinder play area

D Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

E Visibility of outdoor Kinder play from street

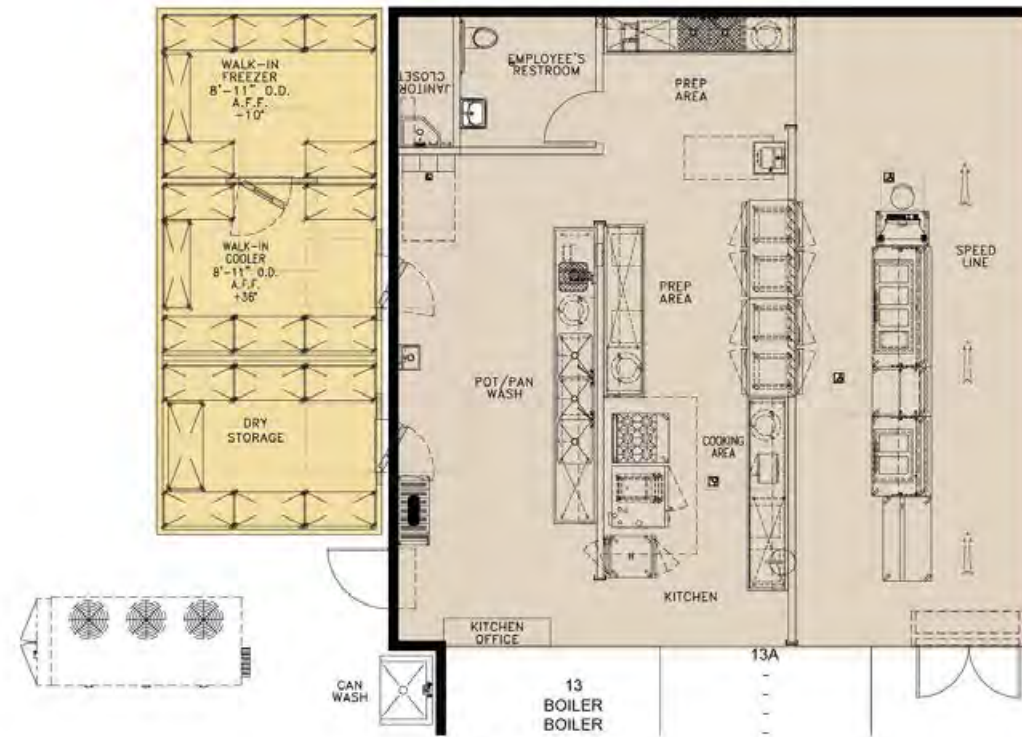
F Lack of lawn/turf zones at main play area

G Lack of adequate shade trees and canopies at play area

H Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



James A. Garfield Elementary School – Nutrition Services Plan 2022-2032

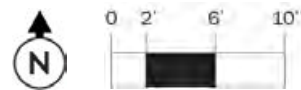


Summary Improvement Plan

Overall Evaluation:

At 990 square feet (including the service line, Dry Storage, restroom, locker and office area, *and* the custodial room), the Garfield Elementary School kitchen is undersized and lacks efficient flow. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Garfield Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the aisleways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by (8) units within the kitchen space and supplemented with minimal overflow refrigerated equipment in the cafeteria. The pot and pan sink is non-NSF compliant with lap seams and the wall behind the sink has no non-corrosive wall flashing. Wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood hinged door near the soiled table is not EHS code compliant. The air curtains in both the kitchen and cafeteria are plunger activated. There is no dedicated food preparation sink within the kitchen space. The service line is located within the kitchen, thus taking up a large portion of what could be useable kitchen space, contributing to the cramped layout. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Gompers Elementary

5206 Briercrest Avenue
Lakewood, CA 90713

Planning Area
Area B Lakewood
School #
6015333

Educational Specification 48	Facility Condition 88	Capacity Utilization 40
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BUILDING DATA

Year Constructed 1952	Gross S.F. 56,449	Permanent Building Count 7	Oldest Building 1952	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	27	X	22%	6
Relationships and Collaboration	40	X	15%	6
Wellness	39	X	15%	6
Safety and Security	77	X	21%	16
Features in Learning Environment	47	X	13%	6
Operational Utility	59	X	14%	8
Educational Specification Score:				48

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	93
Plumbing	89
Mechanical	38
Fire Protection	85
Electrical	56
Communications	75
Safety and Security	88
Structural	100
5-YR FCI Score, buildings only: 83	
Civil	100
5-YR FCI Score including Civil: 88	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
342	558	216	63%	348 200	160%	-210	40	261 74%	91 26%	352	261 73%	95 27%	356	-4 -1%	165% -224

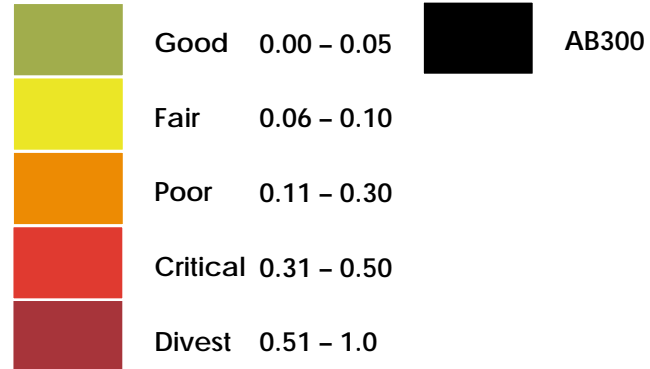
Samuel Gompers Elementary School – Facts & Figures

<p>Location 5206 Briercrest Avenue Lakewood CA 90713 562.925.2285</p>	<p>Total Campus Area 10.22 Acres</p>	<p>Years Constructed 1952, 1954, 1955, 1967, 1987, 1997</p>	<p>Total Parking 35 Stalls</p>	<p>Total Building Area Permanent Construction 56,449 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 342</p>	<p>Factored Capacity 547</p>	<p>Permanent Capacity 348 Temporary Capacity 200</p>	<p>Total Building Area Portables 11,520 SF</p>



Samuel Gompers Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Lack of adequate shade at Kinder outdoor area
- C** Lack of co-location of Kinder programs and direct access to Kinder play area
- D** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Core Facilities

- E** Configuration of main entrance allows individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

- F** Visibility of outdoor Kinder play from street
- G** Lack of adequate lawn/turf area at main play area
- H** Lack of shade trees and canopies at play area
- J** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Samuel Gompers Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	28	24,370
Portable Classrooms	7	6,720
◀ CAFM Designated Classroom w/Alt Use	9	9,640
Total Existing	44	41,690

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	342	1:30
Factored Capacity	547	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	12
Current Classroom Count	44

2021-2022 Planning Capacity

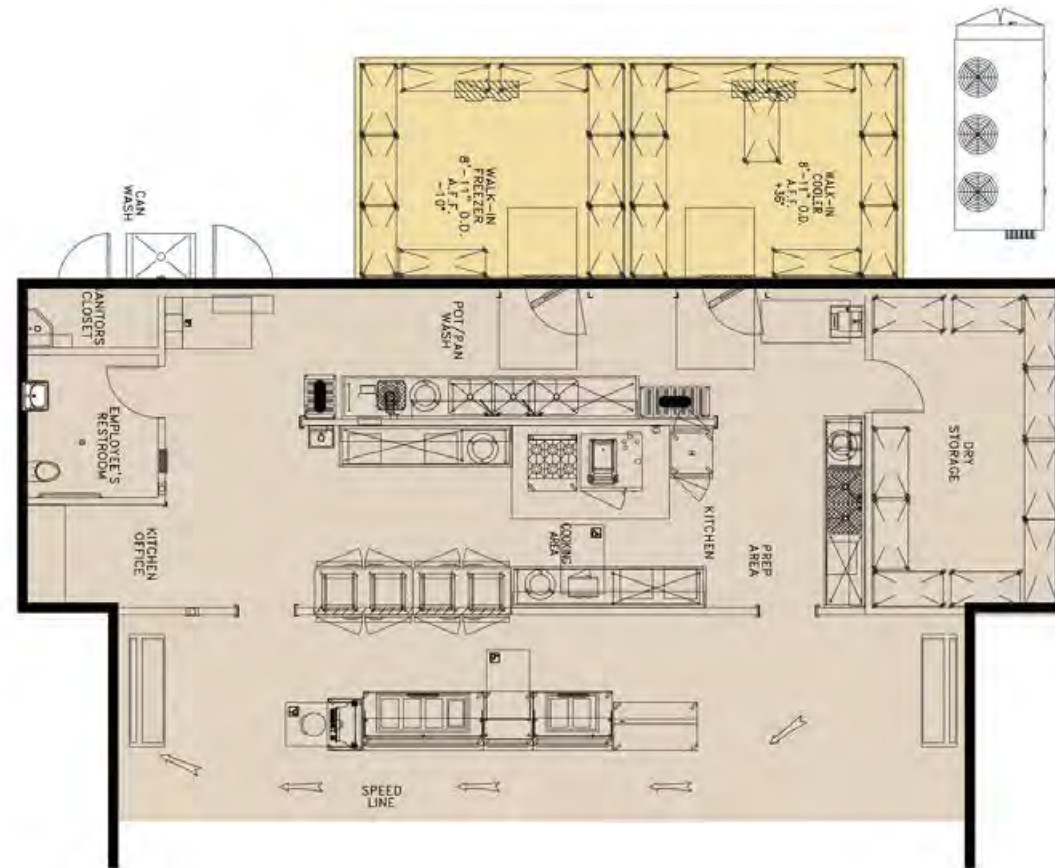
Category	Existing	Planning Capacity
Administration	3,581 SF	1,755 SF
Auditorium	3,005 SF	2,141 SF
Library	1,113 SF	1,158 SF
Nutrition Services		
Cafeteria	1,869 SF	1,193 SF
Food Service	781 SF	912 SF
Lunch Shelter	860 SF	1,053 SF
Site		
Playground	5.02 Acres	1.4 Acres
Parking	35 Stalls	27 Stalls



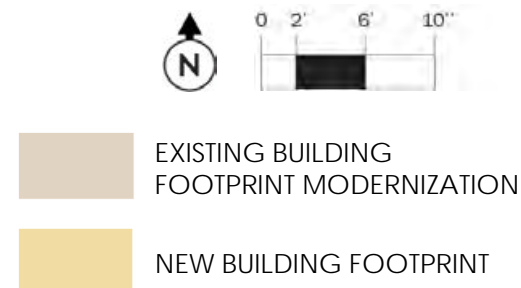
Summary Improvement Plan

Overall Evaluation:

At 606 square feet (including the Dry Storage area), the kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Gompers K-8 School do not meet current ADA, EHS or NSF requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area), refrigeration and prep areas. The ware washing area, cooking area and the prep areas overlap and create a cross contamination hazard. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed by entering the primary kitchen. Students are provided a choice of entrees and side dish options for the lunch meal service (Offer v Serve). The dish-up line lacks recessed hot and cold wells. This requires that the meals must be pre-plated and served from a heated cart. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



"TO FIT" DESIGN





Grant Elementary

1225 East 64th Street
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6015341

Educational Specification
46

Facility Condition
75

Capacity Utilization
100



BUILDING DATA

Year Constructed
1934

Gross S.F.
61,531

Permanent Building Count
7

Oldest Building
1934

Newest Building
1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	32	X	22%	7
Relationships and Collaboration	61	X	15%	9
Wellness	28	X	15%	4
Safety and Security	58	X	21%	12
Features in Learning Environment	47	X	13%	6
Operational Utility	50	X	14%	7
Educational Specification Score:				46

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	56
Plumbing	96
Mechanical	56
Fire Protection	92
Electrical	76
Communications	89
Safety and Security	100
Structural	71
5-YR FCI Score, buildings only:	
	65
Civil	100
5-YR FCI Score including Civil:	
	75



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
991	881	-110	-11%	1,060	83%	179	100	778	206	984	778	146	924	60	77%
				342				79%	21%		84%	16%		6%	246

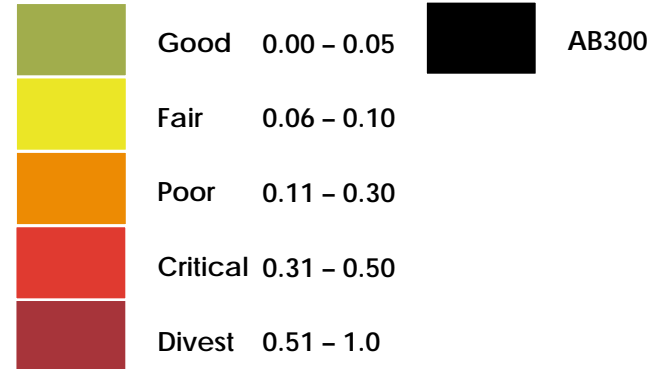
Ulysses S. Grant Elementary School – Facts & Figures

<p>Location 1225 East 64th Street Long Beach CA 90805 562.428.4616</p>	<p>Total Campus Area 10.51 Acres</p>	<p>Years Constructed 1934, 1936, 1949, 1950, 1952, 1953, 1954, 1968, 1988, 1970, 1996, 1997</p>	<p>Total Parking 52 Stalls</p>	<p>Total Building Area Permanent Construction 61,531 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 991</p>	<p>Factored Capacity 1,402</p>	<p>Permanent Capacity 1,060 Temporary Capacity 342</p>	<p>Total Building Area Portables 18,066 SF</p>



Ulysses S. Grant Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Lack of adequate shade at Kinder outdoor area
- C** Lack of Kinder direct access to play area
- D** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- E** Visibility of outdoor Kinder play from street
- F** Lack of adequate lawn/turf area at main play area
- G** Lack of shade trees and canopies at main play area
- H** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Ulysses S. Grant Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	41	39,360
Portable Classrooms	12	10,197
◀ CAFM Designated Classroom w/Alt Use	9	7,869
Total Existing	62	57,426

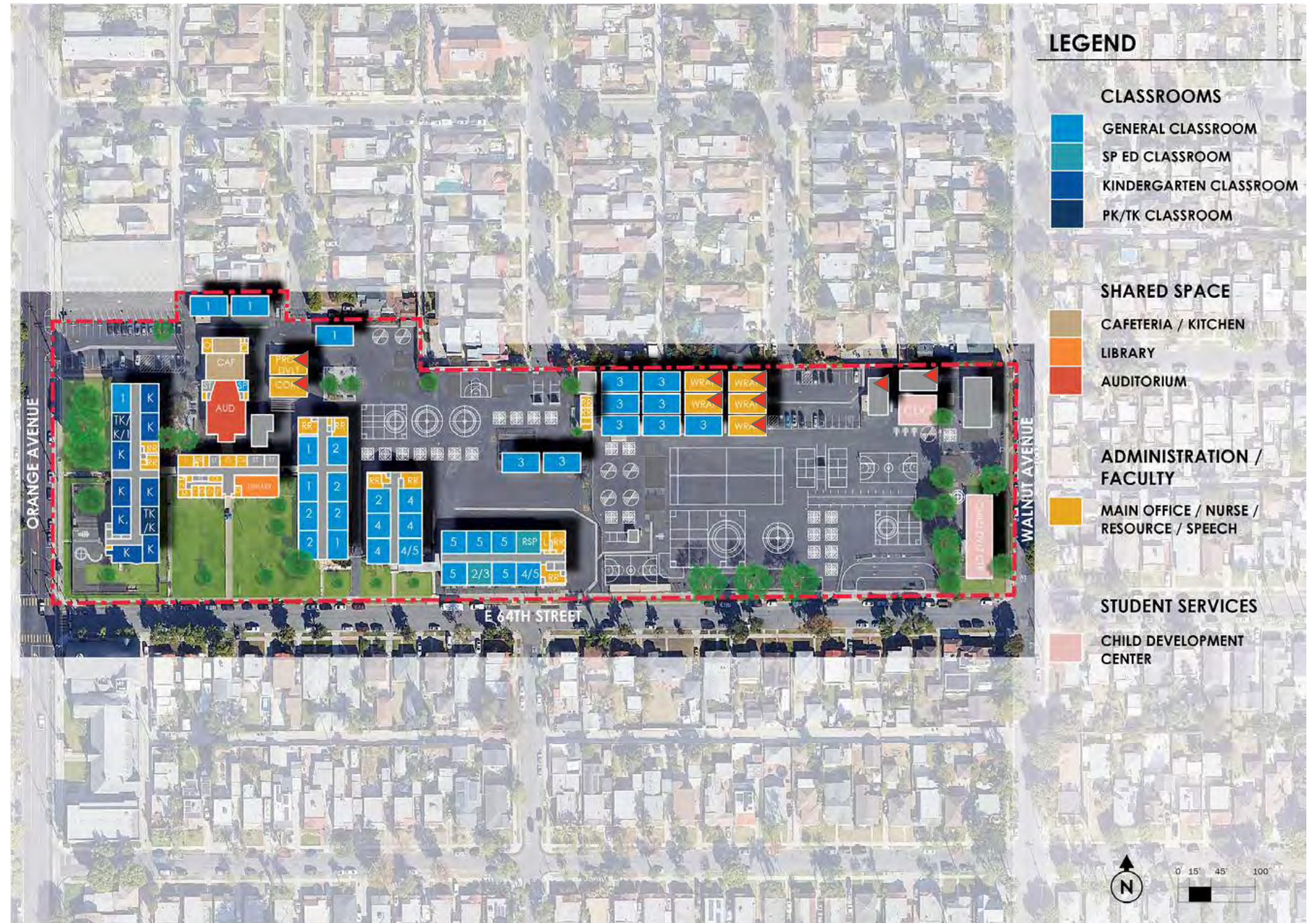
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	991	1:30
Factored Capacity	1,402	

New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	33
Current Classroom Count	62

2021-2022 Planning Capacity

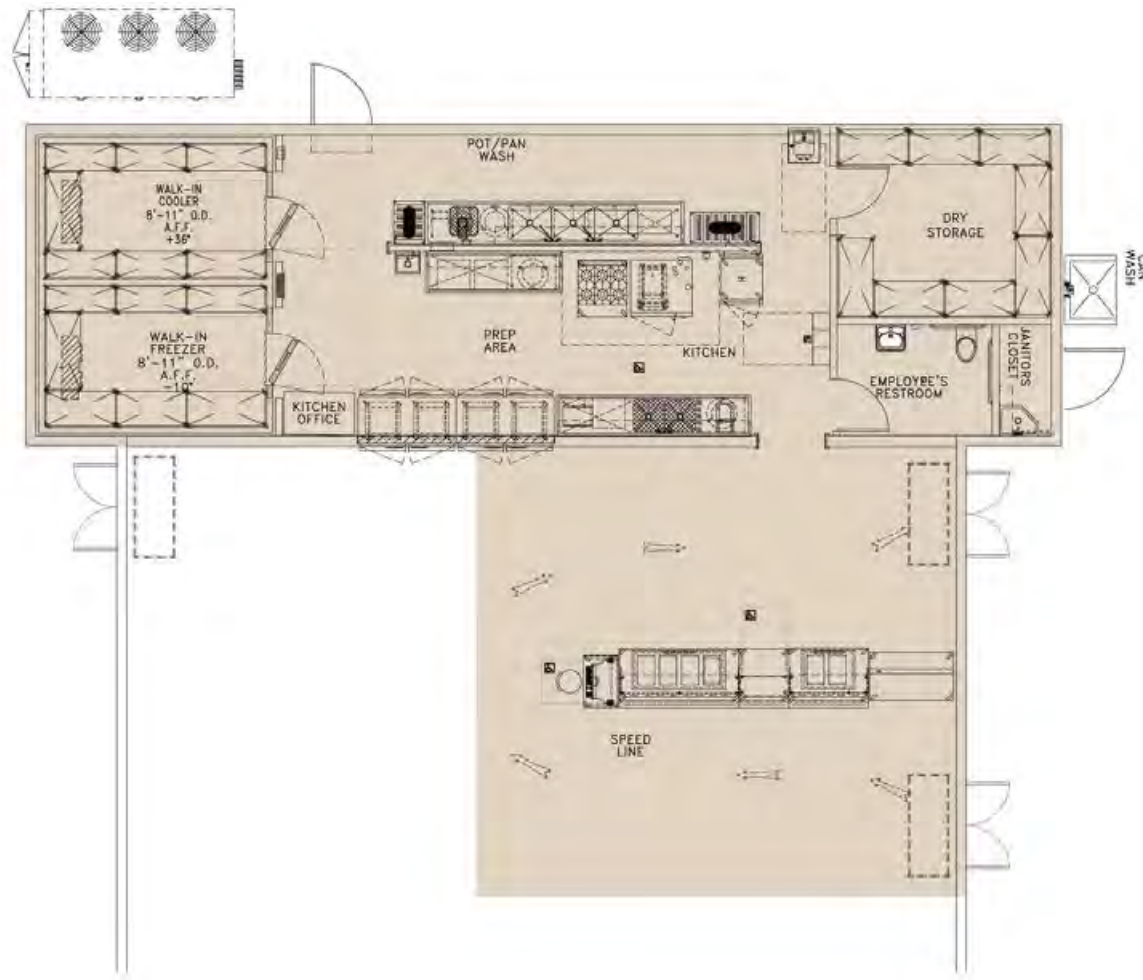
Category	Existing	Planning Capacity
Administration	3,711 SF	3,117 SF
Auditorium	3,044 SF	5,922 SF
Library	1,317 SF	3,117 SF
Nutrition Services		
Cafeteria	1,818 SF	3,532 SF
Food Service	712 SF	1,454 SF
Lunch Shelter	820 SF	3,117 SF
Site		
Playground	3.3 Acres	2.0 Acres
Parking	52 Stalls	83 Stalls



Summary Improvement Plan

Overall Evaluation:

At 712 square feet (including the Dry Storage area), the Grant Elementary School kitchen is small. Though recently renovated as part of the LBSD HVAC Construction project, the food service areas at Grant Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the cafeteria. Due to the size constraints of the kitchen, the aiseways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood guillotine style door near the disposer is not EHS code compliant. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



“TO FIT” DESIGN

EXISTING BUILDING
 FOOTPRINT MODERNIZATION

NEW BUILDING FOOTPRINT



Harte Elementary

1671 East Phillips Street
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6015358

Educational Specification 52	Facility Condition 76	Capacity Utilization 12
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Educational Specification Legend

- 0 - 50 **Critical**
- 51 - 60 **Poor**
- 61 - 70 **Fair**
- 71 - 80 **Good**
- 81 - 100 **Excellent**

Facility Condition Legend

- 0 - 69 **Critical**
- 70 - 89 **Poor**
- 90 - 94 **Fair**
- 95 - 99 **Good**
- 100 **Excellent**

Capacity / Utilization (Projected) Legend

- 0% - 80% **Under-Utilized**
- 80% - 100% **Preferred Utilization**
- 100% - 115% **Over-Utilized**
- 115% - 130% **Very Over-Utilized**
- 130%+ **Severely Over-Utilized**

BUILDING DATA

Year Constructed 1948	Gross S.F. 33,956	Permanent Building Count 3	Oldest Building 1948	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	21	X	22%	5
Relationships and Collaboration	51	X	15%	8
Wellness	56	X	15%	8
Safety and Security	78	X	21%	16
Features in Learning Environment	61	X	13%	8
Operational Utility	45	X	14%	6
Educational Specification Score:				52

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	33
Plumbing	81
Mechanical	71
Fire Protection	100
Electrical	98
Communications	100
Safety and Security	86
Structural	100
5-YR FCI Score, buildings only: 64	
Civil	100
5-YR FCI Score including Civil: 76	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
795	685	-110	-14%	365	188%	-320	708	87	795	708	171	879	-84	211%
				542			89%	11%		81%	19%		-10%	-404

Bret Harte Elementary School – Facts & Figures

<p>Location 1671 East Phillips Street Long Beach CA 90805 562.428.0333</p>	<p>Total Campus Area 7.16 Acres</p>	<p>Years Constructed 1948, 1949, 1968, 1988</p>	<p>Total Parking 30 Stalls</p>	<p>Total Building Area Permanent Construction 33,956 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 795</p>	<p>Factored Capacity 906</p>	<p>Permanent Capacity 365 Temporary Capacity 542</p>	<p>Total Building Area Portables 22,992 SF</p>



Bret Harte Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Lack of fencing separating cars from education buildings

Activity Zones – Academic Buildings

- B** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- C** Lack of co-location of PK/Kinder programs
- D** Lack of adequate shade at PK/Kinder outdoor area
- E** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- F** Visibility of outdoor PK/Kinder play from street
- G** Lack of adequate lawn/turf area at main play area
- H** Lack of shade trees and canopies at main play area
- J** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Bret Harte Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	16	14,372
Portable Classrooms	19	19,152
◀ CAFM Designated Classroom w/Alt Use	5	5,040
Total Existing	40	38,564

Enrollment & Capacity

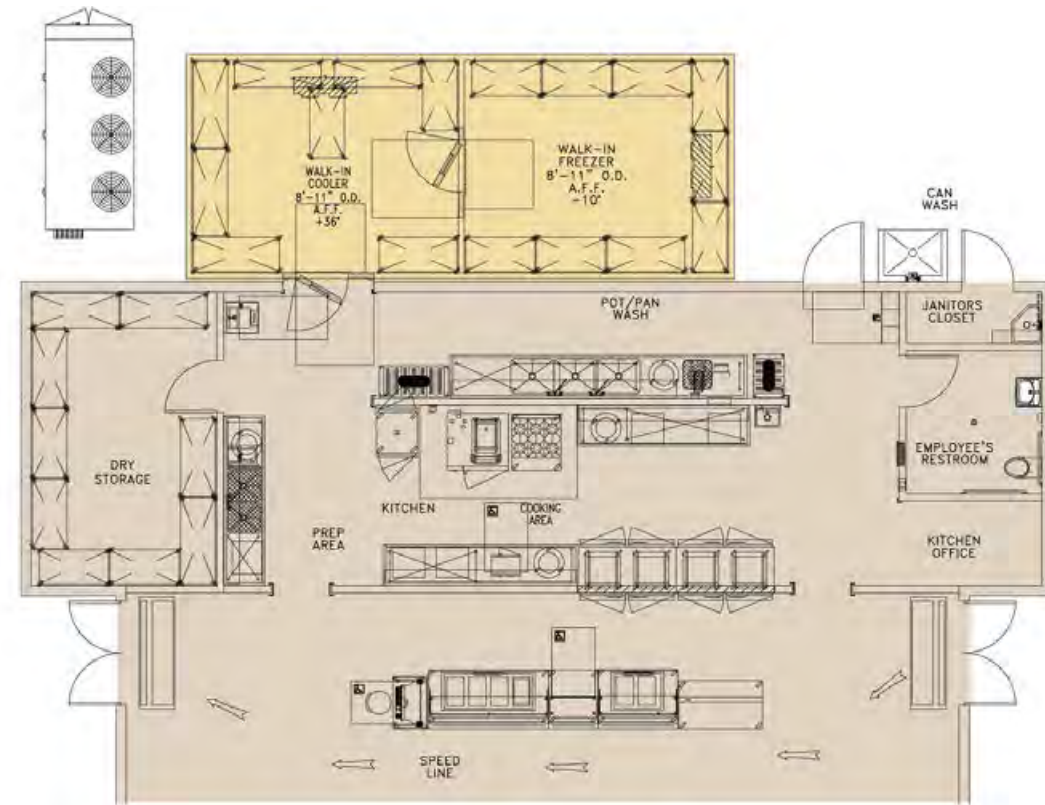
	Student Count	Loaded Clsm
2021-2022 Enrollment	795	1:30
Factored Capacity	906	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	27
Current Classroom Count	40

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,137 SF	3,115 SF
Auditorium	2,220 SF	4,883 SF
Library	1,244 SF	2,610 SF
Nutrition Services		
Cafeteria	1,463 SF	2,862 SF
Food Service	842 SF	1,699 SF
Lunch Shelter	2,300 SF	2,526 SF
Site		
Playground	2.85 Acres	2.0 Acres
Parking	30 Stalls	68 Stalls



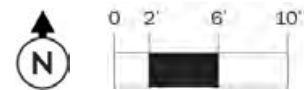


Summary Improvement Plan

Overall Evaluation:

At 842 square feet (including the Dry Storage area), the Harte Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Harte Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood stanchions on the food guards, wood base molding near the servery and the painted wood employee’s storage cabinet are not EHS code compliant. The air curtains in both the kitchen and cafeteria are plunger activated. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs

“TO FIT” DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Patrick Henry Elementary

3720 Canehill Avenue
Long Beach, CA 90808

Planning Area
Area B Lakewood
School #
6015366

Educational Specification 50	Facility Condition 90	Capacity Utilization 38
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BUILDING DATA

Year Constructed 1950	Gross S.F. 47,859	Permanent Building Count 6	Oldest Building 1950	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	25	X	22%	5
Relationships and Collaboration	42	X	15%	6
Wellness	60	X	15%	9
Safety and Security	73	X	21%	15
Features in Learning Environment	51	X	13%	7
Operational Utility	51	X	14%	7
Educational Specification Score:				50

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	86
Plumbing	89
Mechanical	98
Fire Protection	99
Electrical	35
Communications	99
Safety and Security	91
Structural	99
5-YR FCI Score, buildings only:	
	86
Civil	100
5-YR FCI Score including Civil:	
	90



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
840	805	-35	-4%	496	162%	-309	38	397	440	837	397	99	496	341	93%
				257				47%	53%		80%	20%		69%	35

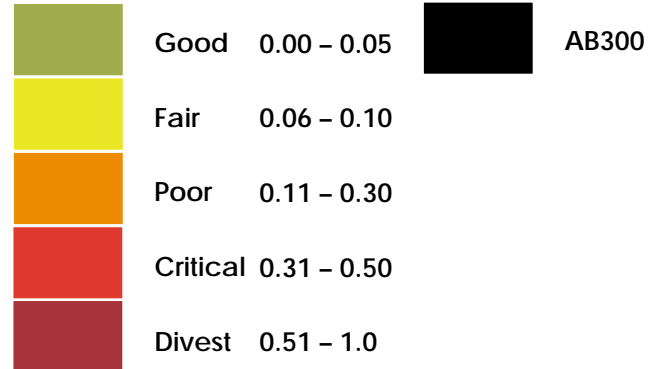
Patrick Henry Elementary School – Facts & Figures

<p>Location 3720 Canehill Avenue Long Beach CA 90808 562.421.3754</p>	<p>Total Campus Area 10.02 Acres</p>	<p>Years Constructed 1950, 1952, 1955, 1968, 1987, 1996, 1997</p>	<p>Total Parking 29 Stalls</p>	<p>Total Building Area Permanent Construction 47,859 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 840</p>	<p>Factored Capacity 752</p>	<p>Permanent Capacity 496 Temporary Capacity 257</p>	<p>Total Building Area Portables 11,328 SF</p>



Patrick Henry Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Pedestrian Circulation

A Unprotected areas where security fencing is not present

Activity Zones – Academic Buildings

B Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

C Visibility of outdoor Kinder play from street

D Lack of adequate lawn/turf area at main play area

E Lack of shade trees and canopies at play area

F Difficult to read ground games / lack light-colored surfaces

G Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Patrick Henry Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	20	19,200
Portable Classrooms	9	8,640
◀ CAFM Designated Classroom w/Alt Use	4	3,840
Total Existing	33	31,680

Enrollment & Capacity

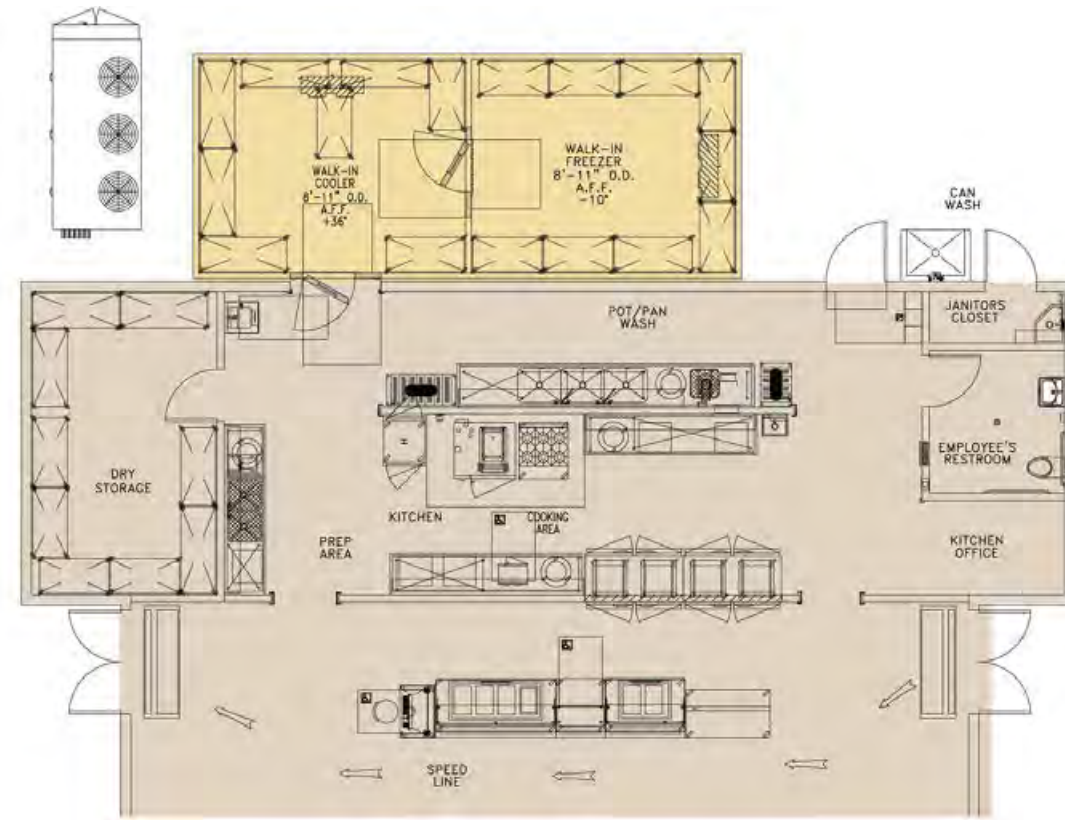
	Student Count	Loaded Clsm
2021-2022 Enrollment	840	1:30
Factored Capacity	752	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	28
Current Classroom Count	33

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,576 SF	3,115 SF
Auditorium	2,302 SF	4,877 SF
Library	1,265 SF	7,569 SF
Nutrition Services		
Cafeteria	1,281 SF	2,859 SF
Food Service	724 SF	1,597 SF
Lunch Shelter	860 SF	2,523 SF
Site		
Playground	6.02 Acres	2.0 Acres
Parking	29 Stalls	63 Stalls



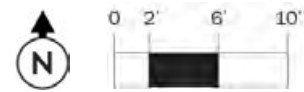


Summary Improvement Plan

Overall Evaluation:

At 724 square feet (including the Dry Storage area), the Henry Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Henry Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The damaged wood guillotine style door near the disposer is not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. The disposer is not operating properly at the time of site visit. One of the large refrigerators has a leg that is torqued, the unit is slightly tipped, and the door is not seated properly. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Nieto Herrera Elementary

1620 Temple Ave
Long Beach, CA 90804

Planning Area
Area F Wilson
School #
6015432

Educational Specification
School Input Incomplete

Facility Condition
98

Capacity Utilization
100



BUILDING DATA

Year Constructed
1935

Gross S.F.
57,914

Permanent Building Count
5

Oldest Building
1935

Newest Building
2001

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	96
Plumbing	99
Mechanical	99
Fire Protection	100
Electrical	99
Communications	99
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	98
Civil	100
5-YR FCI Score including Civil:	98



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
742	623	-119	-16%	1,140 29	55%	517	100	680 91%	71 9%	751	680 77%	206 23%	886	-135 -15%	67% 373

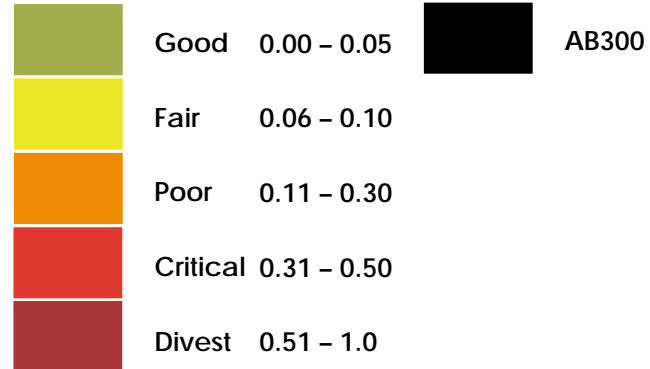
Nieto Herrera Elementary School – Facts & Figures

<p>Location 1620 Temple Avenue Long Beach CA 90804 562.494.5101</p>	<p>Total Campus Area 3.72 Acres</p>	<p>Years Constructed 1935, 1949, 1966, 1967, 1968, 1988, 1994, 1996, 1997, 2001</p>	<p>Total Parking -----</p>	<p>Total Building Area Permanent Construction 57,914 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 742</p>	<p>Factored Capacity 1,169</p>	<p>Permanent Capacity 1,140 Temporary Capacity 29</p>	<p>Total Building Area Portables 4,800 SF</p>



Nieto Herrera Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

- A** Inadequate parking count and lack of parking for visitors
- B** ADA compliance to front door

Activity Zones – Academic Buildings

- C** Lack of educational play equipment and natural elements at Kinder outdoor area
- D** Lack of immediate access to kinder play area from classrooms

Activity Zone – Core Facilities

- E** Configuration of main entrance allows individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

- F** Visibility of outdoor Kinder play from street
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Nieto Herrera Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	31	31,090
Portable Classrooms	1	960
◀ CAFM Designated Classroom w/Alt Use	12	9,360
Total Existing	44	41,410

Enrollment & Capacity

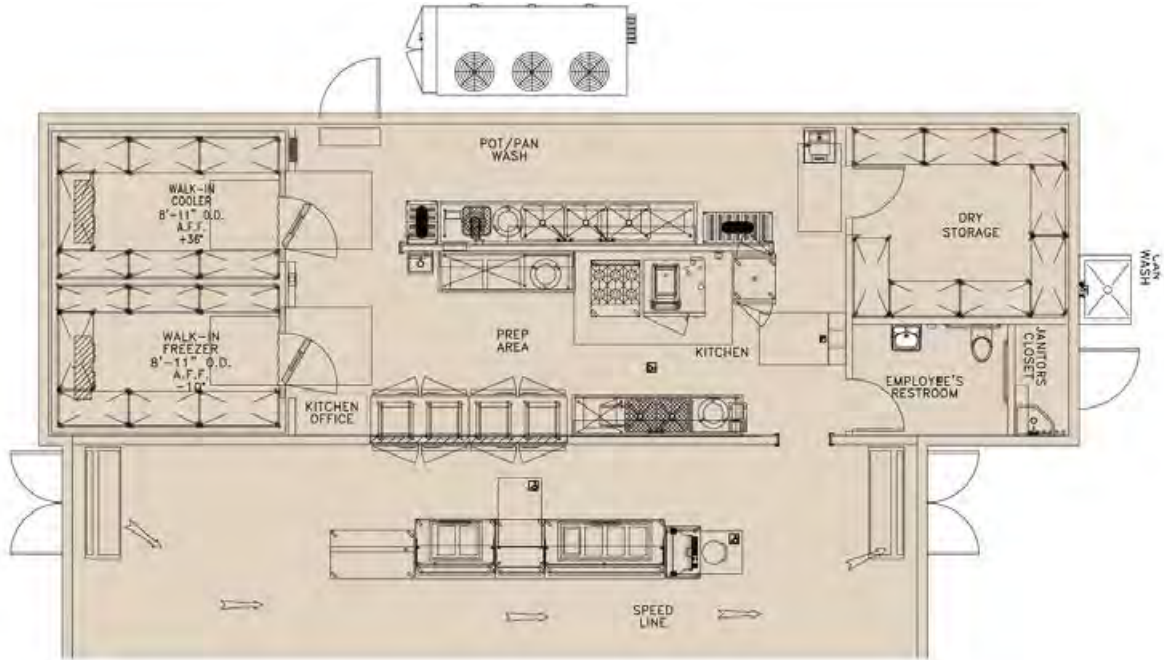
	Student Count	Loaded Clsm
2021-2022 Enrollment	742	1:30
Factored Capacity	1,169	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	25
Current Classroom Count	44

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,382 SF	2,741 SF
Auditorium	2,306 SF	4,297 SF
Library	1,366 SF	2,223 SF
Nutrition Services		
Cafeteria	1,299 SF	2,519 SF
Food Service	920 SF	1,407 SF
Lunch Shelter	----	2,223 SF
Site		
Playground	2.75 Acres	1.7 Acres
Parking	N/A	57 Stalls



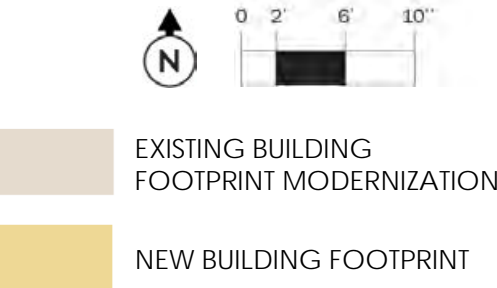


Summary Improvement Plan

Overall Evaluation:

Though recently renovated as part of the LBUSD HVAC Construction project and expanded from the original footprint, the food service areas at Herrera Elementary School do not meet current ADA requirements. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by a walk-in cooler and freezer. The kitchen has sufficient dedicated dry storage by means of an ambient room created between the walk-in cooler and walk-in freezer. There is an employee hand sink and a dedicated food preparation sink within the kitchen space. Located in the cafeteria is a small, mobile NSF compliant salad bar. The layout space for landing chilled product and reheated product is inadequate. There are (2) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Holmes Elementary

5020 Barlin Avenue
Lakewood, CA 90712

Planning Area
Area B Lakewood
School #
6015374

Educational Specification 52	Facility Condition 77	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1952	Gross S.F. 49,785	Permanent Building Count 5	Oldest Building 1952	Newest Building 1996
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	24	X	22%	5
Relationships and Collaboration	49	X	15%	7
Wellness	55	X	15%	8
Safety and Security	79	X	21%	17
Features in Learning Environment	56	X	13%	7
Operational Utility	55	X	14%	8
Educational Specification Score:				52

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	58
Plumbing	98
Mechanical	76
Fire Protection	95
Electrical	23
Communications	67
Safety and Security	3
Structural	96
5-YR FCI Score, buildings only: 66	
Civil	100
5-YR FCI Score including Civil: 77	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
393	477	84	21%	616 285	77%	139	100	327 83%	65 17%	392	327 65%	179 35%	506	-114 -23%	96% 26

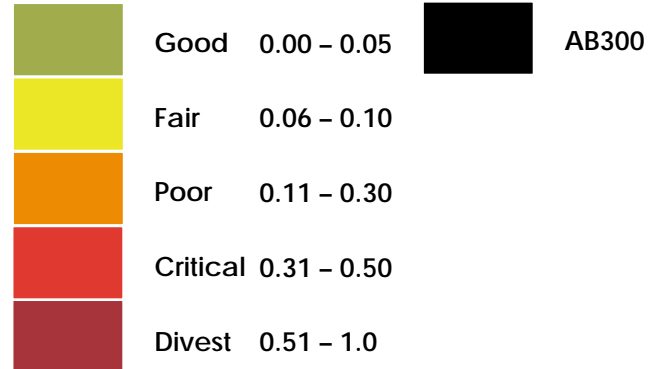
Oliver Wendell Holmes Elementary School – Facts & Figures

<p>Location 5020 Barlin Avenue Lakewood CA 90712 562.633.4427</p>	<p>Total Campus Area 10.41 Acres</p>	<p>Years Constructed 1952, 1953, 1954, 1955, 1967, 1987, 1991</p>	<p>Total Parking 35 Stalls</p>	<p>Total Building Area Permanent Construction 49,785 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 393</p>	<p>Factored Capacity 901</p>	<p>Permanent Capacity 616 Temporary Capacity 285</p>	<p>Total Building Area Portables 12,360 SF</p>



Oliver Wendell Holmes Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Pedestrian Circulation

B Unprotected areas where security fencing is not present

Activity Zones – Academic Buildings

C Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

D Lack of educational play equipment and natural elements at Kinder outdoor area

E Large number of students located in portables compared to number of students in permanent buildings

F Lack of immediate access to kinder play area from classrooms

Activity Zone – Athletics/Physical Education

G Visibility of outdoor Kinder play from street

H Lack of lawn/turf area at main play area

J Lack of adequate apparatus play zone for younger learners

K Lack of shade trees at play area

L Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Oliver Wendell Holmes Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	25	20,641
Portable Classrooms	10	11,400
◀ CAFM Designated Classroom w/Alt Use	1	960
Total Existing	36	33,001

Enrollment & Capacity

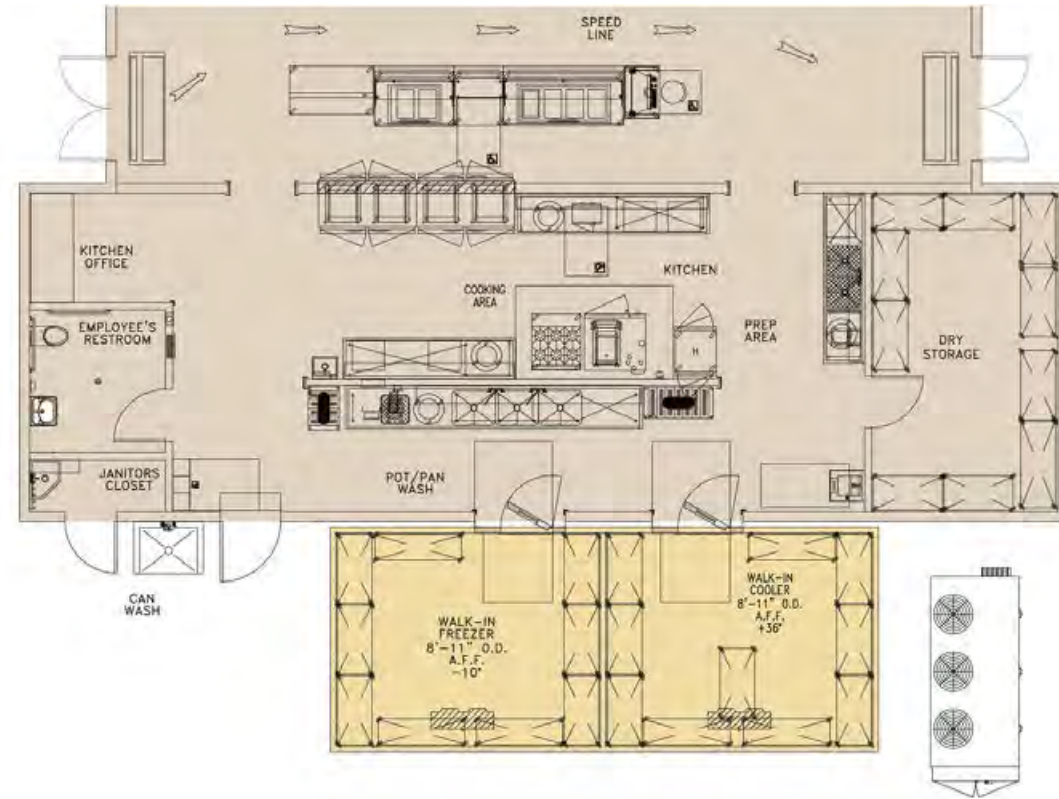
	Student Count	Loaded Clsrm
2021-2022 Enrollment	393	1:30
Factored Capacity	901	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		13
Current Classroom Count		36

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,679 SF	2,050 SF
Auditorium	3,497 SF	2,501 SF
Library	1,159 SF	1,353 SF
Nutrition Services		
Cafeteria	1,875 SF	1,394 SF
Food Service	886 SF	1,066 SF
Lunch Shelter	----	1,230 SF
Site		
Playground	6.2 Acres	1.4 Acres
Parking	35 Stalls	33 Stalls



Oliver Wendell Holmes Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

The Holmes Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Holmes Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The air curtain in the cafeteria is not full width. Per EHS requirements, air curtains should cover the full width of the door opening below. There is a second exit door in the cafeteria that does not have an EHS required, full width, plunger activated air curtain. Codes require a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. The wall behind the hood must be sheathed in a non-combustible wall covering. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Hudson Elementary

2335 Webster Ave
Long Beach, CA 90810

Planning Area
Area D Cabrillo
School #
6015382

Educational Specification
54

Facility Condition
80

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1969	63,985	6	1969	1998

EDUCATIONAL SPECIFICATION				
Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	29	X	22%	6
Relationships and Collaboration	45	X	15%	7
Wellness	57	X	15%	9
Safety and Security	86	X	21%	18
Features in Learning Environment	52	X	13%	7
Operational Utility	55	X	14%	8
Educational Specification Score:				54

FACILITY CONDITION ASSESSMENT	
Disciplines	5 Year DCI Score
Architectural	58
Plumbing	86
Mechanical	56
Fire Protection	100
Electrical	75
Communications	94
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only: 72	
Civil	100
5-YR FCI Score including Civil: 80	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
276	454	178	64%	912 143	50%	458	100	174 59%	120 41%	294	174 66%	91 34%	265	29 11%	49% 469

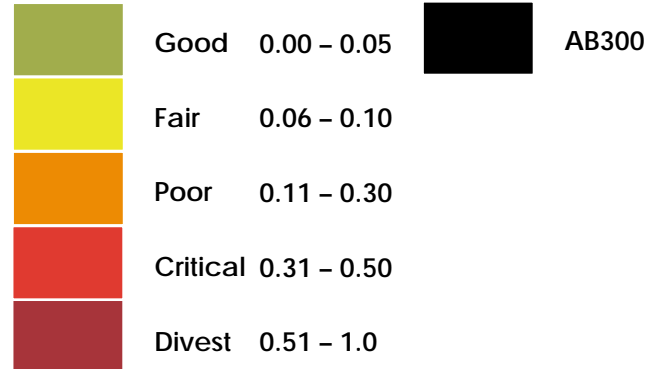
Elizabeth Hudson Elementary School – Facts & Figures

<p>Location 2335 Webster Avenue Long Beach CA 90810 562.426.0470</p>	<p>Total Campus Area 16.31 Acres</p>	<p>Years Constructed 1968, 1969, 1970, 1996, 1997</p>	<p>Total Parking 82 Stalls</p>	<p>Total Building Area Permanent Construction 63,985 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 276</p>	<p>Factored Capacity 1,055</p>	<p>Permanent Capacity 912 Temporary Capacity 143</p>	<p>Total Building Area Portables 10,560 SF</p>



Elizabeth Hudson Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Elizabeth Hudson Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	46	44,160
Portable Classrooms	5	4,743
◀ CAFM Designated Classroom w/Alt Use	7	6,663
Total Existing	58	55,556

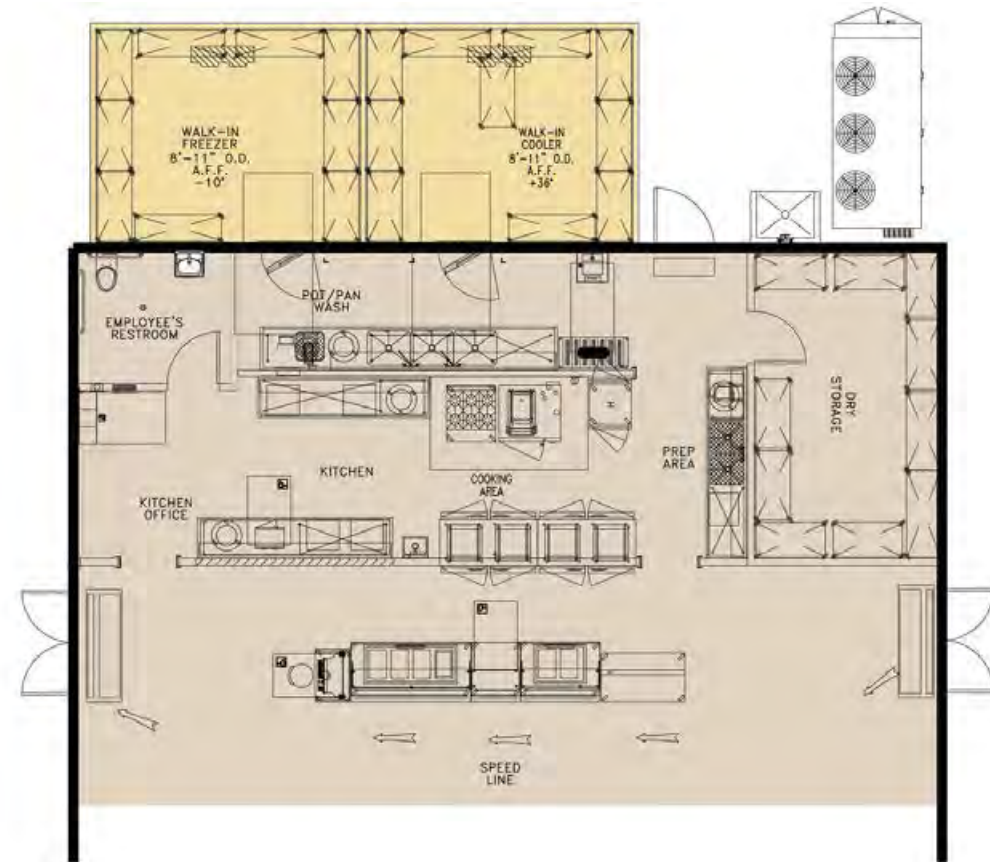
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	276	1:30
Factored Capacity	1,055	
New Classrooms to Be Constructed	----	
Total # Loaded Classrooms Required	10	
Current Classroom Count	58	

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	5,875 SF	1,435 SF
Auditorium	4,231 SF	1,750 SF
Library	2,359 SF	947 SF
Nutrition Services		
Cafeteria/MPR	3,326 SF	975 SF
Food Service	878 SF	746 SF
Lunch Shelter	----	861 SF
Site		
Playground	9.7 Acres	1.4 Acres
Parking	82 Stalls	23 Stalls



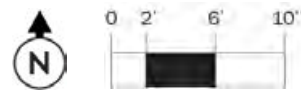


Summary Improvement Plan

Overall Evaluation:

Overall Evaluation: At an overall square footage of 1251, the Hudson K-8 kitchen is small and cramped. The food service areas at Hudson K-8 School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The layout space for landing chilled product and reheated product is also inadequate. The primary service line is accessed by entering the kitchen. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by seven units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no hand sink or dedicated food preparation sink within the kitchen space. There are five exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. The wall and the floor next to the kitchens exit door is crumbling. The welds on the picnic tables in the cafeteria are brittle. On the date of the site visit, upon sitting on a bench in the MPR, the unit broke off entirely. It was fortunate that this did not occur while a student had sat down. This is a hazard and a risk management issue. Broken, dilapidated equipment that poses a danger to staff and students should receive first priority from the District for repair or replacement. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Kettering Elementary

550 Silvera Avenue
Long Beach, CA 90803

Planning Area
Area F Wilson
School #
6015408

Educational Specification 54	Facility Condition 99	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1959	Gross S.F. 38,993	Permanent Building Count 4	Oldest Building 1959	Newest Building 2017
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	16	X	22%	3
Relationships and Collaboration	55	X	15%	8
Wellness	59	X	15%	9
Safety and Security	78	X	21%	16
Features in Learning Environment	71	X	13%	9
Operational Utility	54	X	14%	8
Educational Specification Score:				54

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	100
Mechanical	98
Fire Protection	99
Electrical	97
Communications	98
Safety and Security	100
Structural	98
5-YR FCI Score, buildings only: 98	
Civil	100
5-YR FCI Score including Civil: 99	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
295	262	-33	-11%	456 200	57%	194	100	137 45%	165 55%	302	137 82%	31 18%	168	134 80%	30% 321







Charles F. Kettering Elementary School – Facts & Figures

<p>Location 550 Silvera Avenue Long Beach CA 90803 562.598.9486</p>	<p>Total Campus Area 10.32 Acres</p>	<p>Years Constructed 1954, 1959, 1967, 1988, 1991, 1996, 1997</p>	<p>Total Parking 75 Stalls</p>	<p>Total Building Area Permanent Construction 38,993 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 295</p>	<p>Factored Capacity 656</p>	<p>Permanent Capacity 456 Temporary Capacity 200</p>	<p>Total Building Area Portables 6,632 SF</p>



Charles F. Kettering Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Pedestrian Circulation

A Unprotected areas where security fencing is not present

Activity Zone – Athletics/Physical Education

B Visibility of outdoor Kinder play from street

C Lack of shade trees at play area

D Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Charles F. Kettering Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	16	15,160
Portable Classrooms	7	6,632
Vacant Portable Classrooms (11)	----	----
Total Existing	27	21,792

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	295	1:30
Factored Capacity	656	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		11
Current Classroom Count		27

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,660 SF	1,530 SF
Auditorium	3,591 SF	1,866 SF
Library	1,533 SF	1,009 SF
Nutrition Services		
Cafeteria	2,135 SF	1,040 SF
Food Service	954 SF	795 SF
Lunch Shelter	1,920 SF	918 SF
Site		
Playground	6.2 Acres	1.4 Acres
Parking	75 Stalls	25 Stalls



LEGEND

CLASSROOMS

- GENERAL CLASSROOM
- SP ED CLASSROOM
- KINDERGARTEN CLASSROOM
- PK/TK CLASSROOM

SHARED SPACE

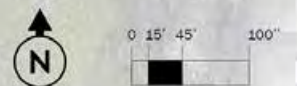
- CAFETERIA / KITCHEN
- LIBRARY
- AUDITORIUM

ADMINISTRATION / FACULTY

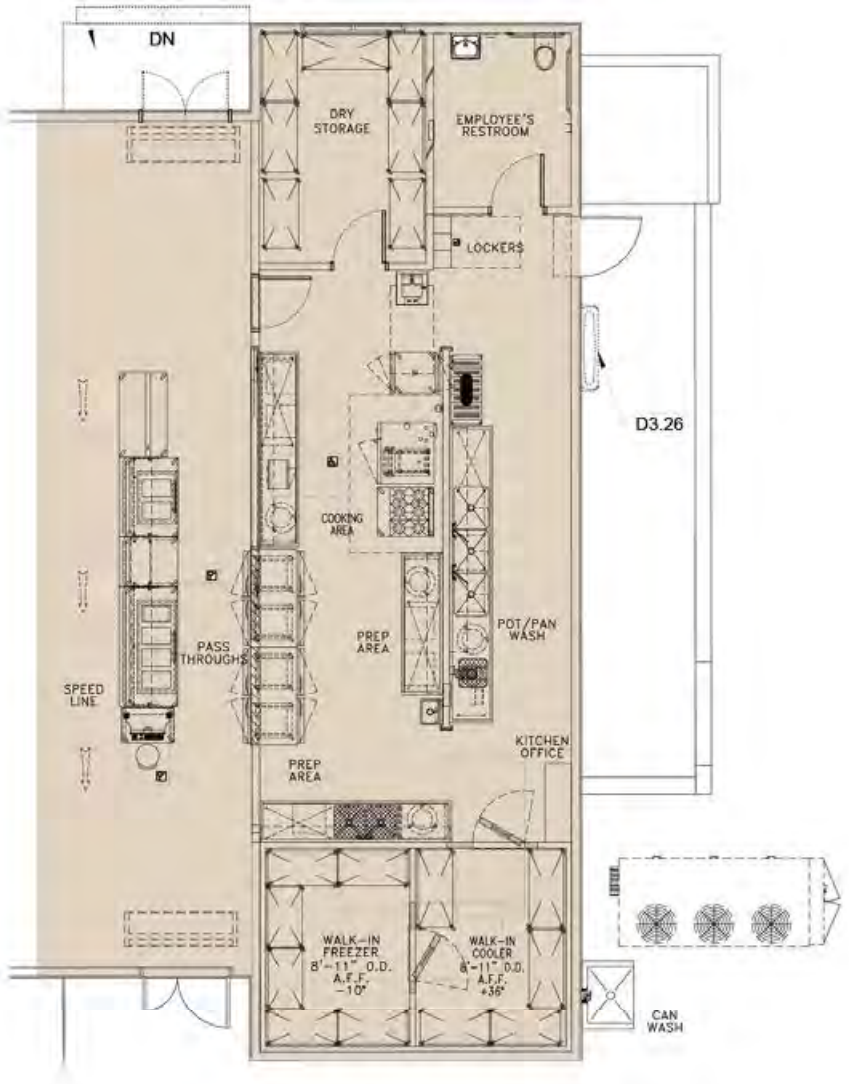
- MAIN OFFICE / NURSE / RESOURCE / SPEECH

STUDENT SERVICES

- CHILD DEVELOPMENT CENTER



Charles F. Kettering Elementary School- Nutrition Services Plan 2022-2032

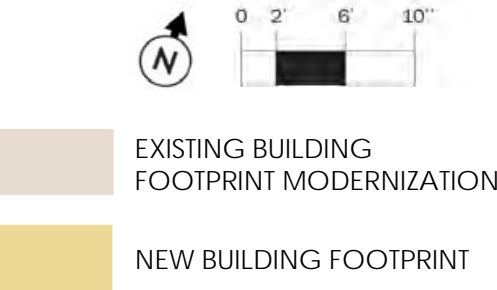


Summary Improvement Plan

Overall Evaluation:

The Kettering Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Kettering Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (4) units within the kitchen space and supplemented with minimal overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated guillotine style door near the disposer are not EHS code compliant. There are (2) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. ADA requires that exposed 'P' traps below hand sinks be insulated. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN





Starr King Elementary

145 East Artesia Boulevard
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6015416

Educational Specification 50	Facility Condition 76	Capacity Utilization 75
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BUILDING DATA

Year Constructed 1934	Gross S.F. 33,985	Permanent Building Count 4	Oldest Building 1934	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	35	X	22%	8
Relationships and Collaboration	36	X	15%	5
Wellness	59	X	15%	9
Safety and Security	76	X	21%	16
Features in Learning Environment	47	X	13%	6
Operational Utility	45	X	14%	6
Educational Specification Score:				50

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	42
Plumbing	81
Mechanical	79
Fire Protection	100
Electrical	72
Communications	100
Safety and Security	85
Structural	94
5-YR FCI Score, buildings only:	
	66
Civil	100
5-YR FCI Score including Civil:	
	76



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
639	584	-55	-9%	467	125%	-117	75	568	76	644	568	116	684	-40	135%
				599				88%	12%		83%	17%		-6%	-162

Starr King Elementary School – Facts & Figures

<p>Location 145 East Artesia Boulevard Long Beach CA 90805 562.428.1232</p>	<p>Total Campus Area 5.03 Acres</p>	<p>Years Constructed 1934, 1949, 1954, 1966, 1967, 1968, 1970, 1988, 1994, 1997</p>	<p>Total Parking 63 Stalls</p>	<p>Total Building Area Permanent Construction 33,985 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 639</p>	<p>Factored Capacity 1,066</p>	<p>Permanent Capacity 467 Temporary Capacity 599</p>	<p>Total Building Area Portables 21,120 SF</p>



Starr King Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

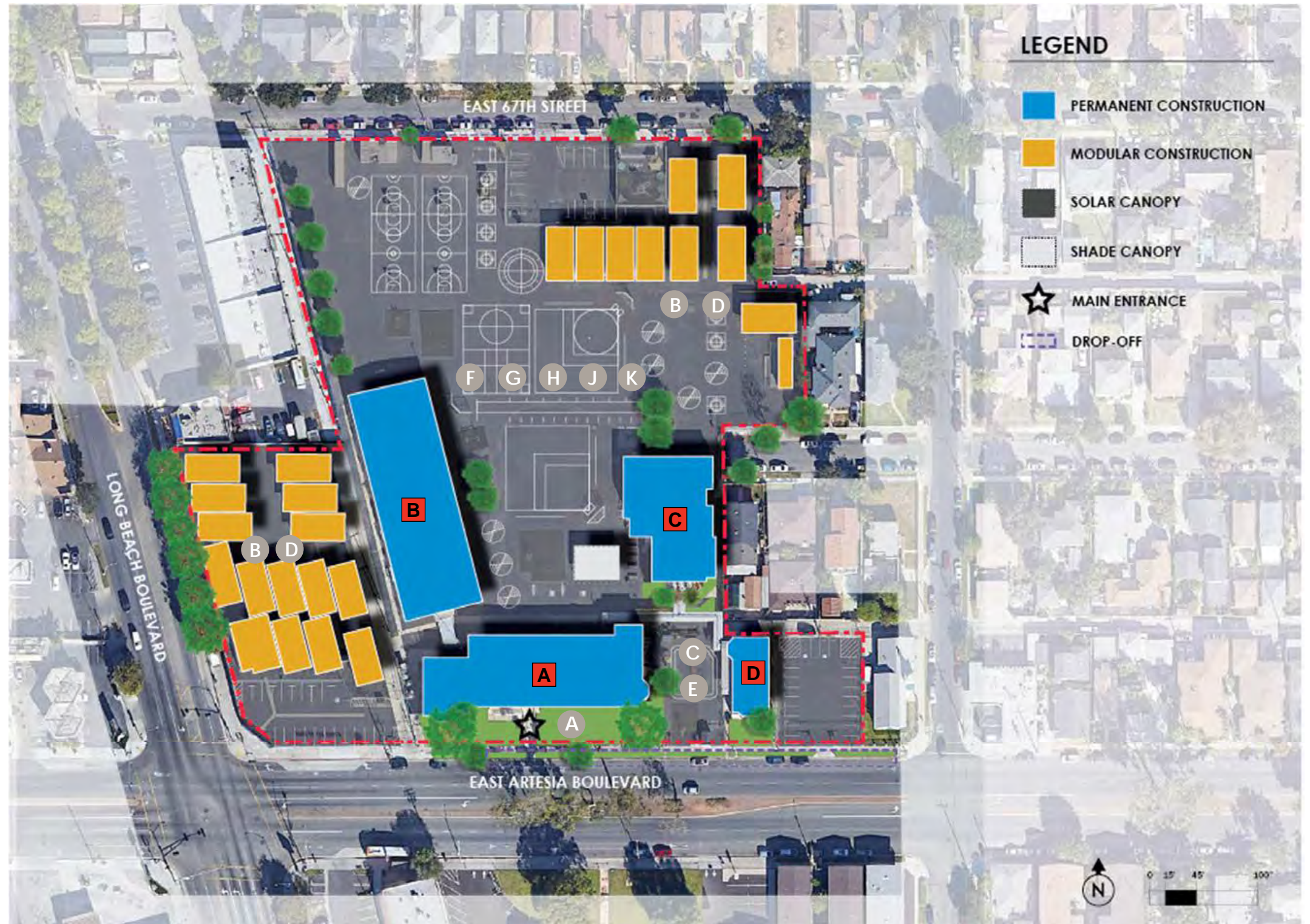
- A** Ease of drop-off/pick-up at front door along Artesia Boulevard

Activity Zones – Academic Buildings

- B** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- C** Lack of educational play equipment and natural elements at Kinder outdoor area
- D** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- E** Visibility of outdoor Kinder play from street
- F** Lack of lawn/turf area at main play area
- G** Lack of adequate apparatus play zone for younger learners
- H** Lack of shade trees at play area
- J** Difficult to read ground games / lack light-colored surfaces
- K** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Starr King Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	17	16,502
Portable Classrooms	21	19,200
◀ CAFM Designated Classroom w/Alt Use	2	1,920
Total Existing	40	37,622

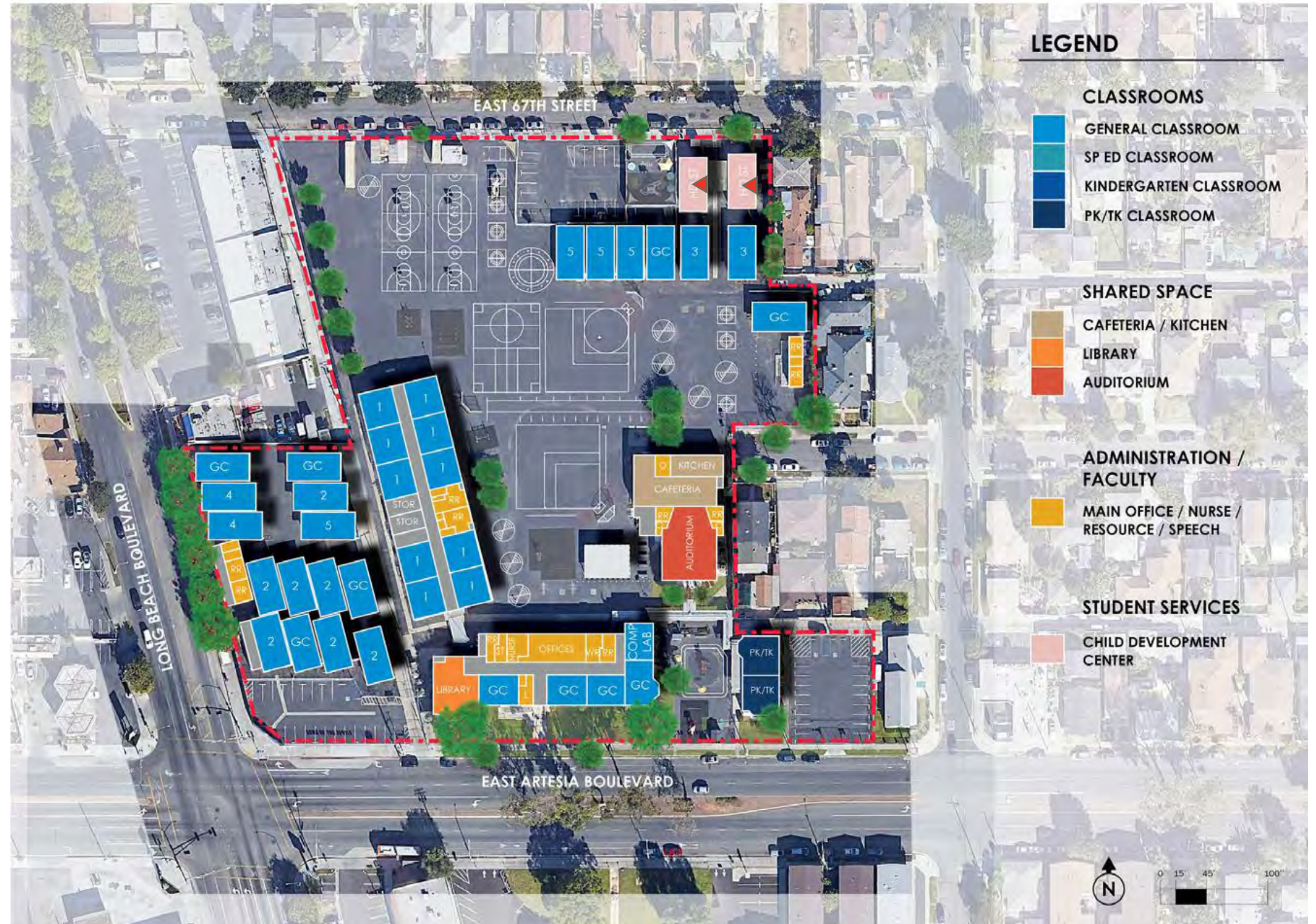
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	639	1:30
Factored Capacity	1,066	

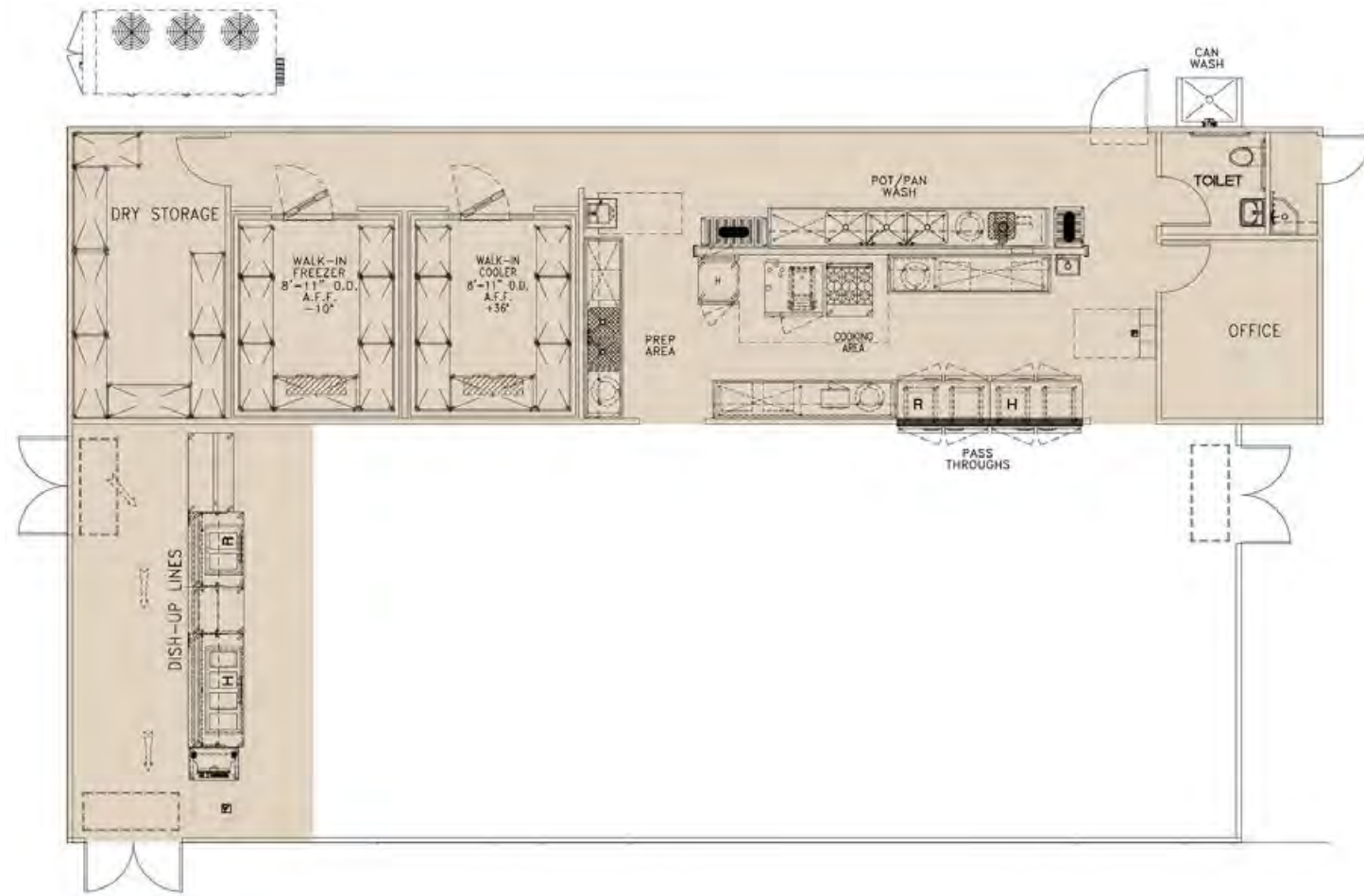
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	21
Current Classroom Count	40

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,094 SF	2,453 SF
Auditorium	2,960 SF	3,845 SF
Library	1,589 SF	1,989 SF
Nutrition Services		
Cafeteria	2,181 SF	2,254 SF
Food Service	934 SF	1,260 SF
Lunch Shelter	860 SF	1,989 SF
Site		
Playground	2.5 Acres	1.7 Acres
Parking	59 Stalls	53 Stalls



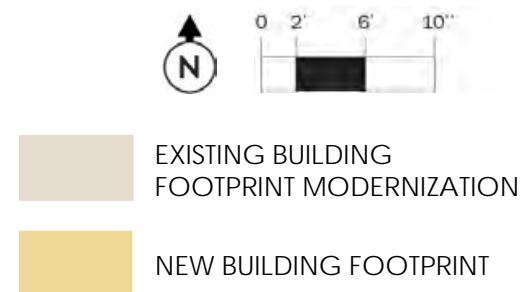
Starr King Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

The King Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at King Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The laminate clad wood service counter, the wood stanchions on the food guards and the painted wood guillotine style door near the disposer are not EHS code compliant. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. There is also a double exit door in the cafeteria that has no EHS required, full width, plunger activated air curtain. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Lafayette Elementary

2445 Chestnut Avenue
Long Beach, CA 90806

Planning Area
Area D Cabrillo
School #
6015424

Educational Specification
41

Facility Condition
90

Capacity Utilization
60



BUILDING DATA

Year Constructed
1936

Gross S.F.
41,238

Permanent Building Count
2

Oldest Building
1936

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	27	X	22%	6
Relationships and Collaboration	31	X	15%	5
Wellness	48	X	15%	7
Safety and Security	61	X	21%	13
Features in Learning Environment	42	X	13%	6
Operational Utility	38	X	14%	5
Educational Specification Score:				41

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	91
Plumbing	97
Mechanical	72
Fire Protection	91
Electrical	78
Communications	89
Safety and Security	100
Structural	94
5-YR FCI Score, buildings only:	
	88
Civil	100
5-YR FCI Score including Civil:	
	90

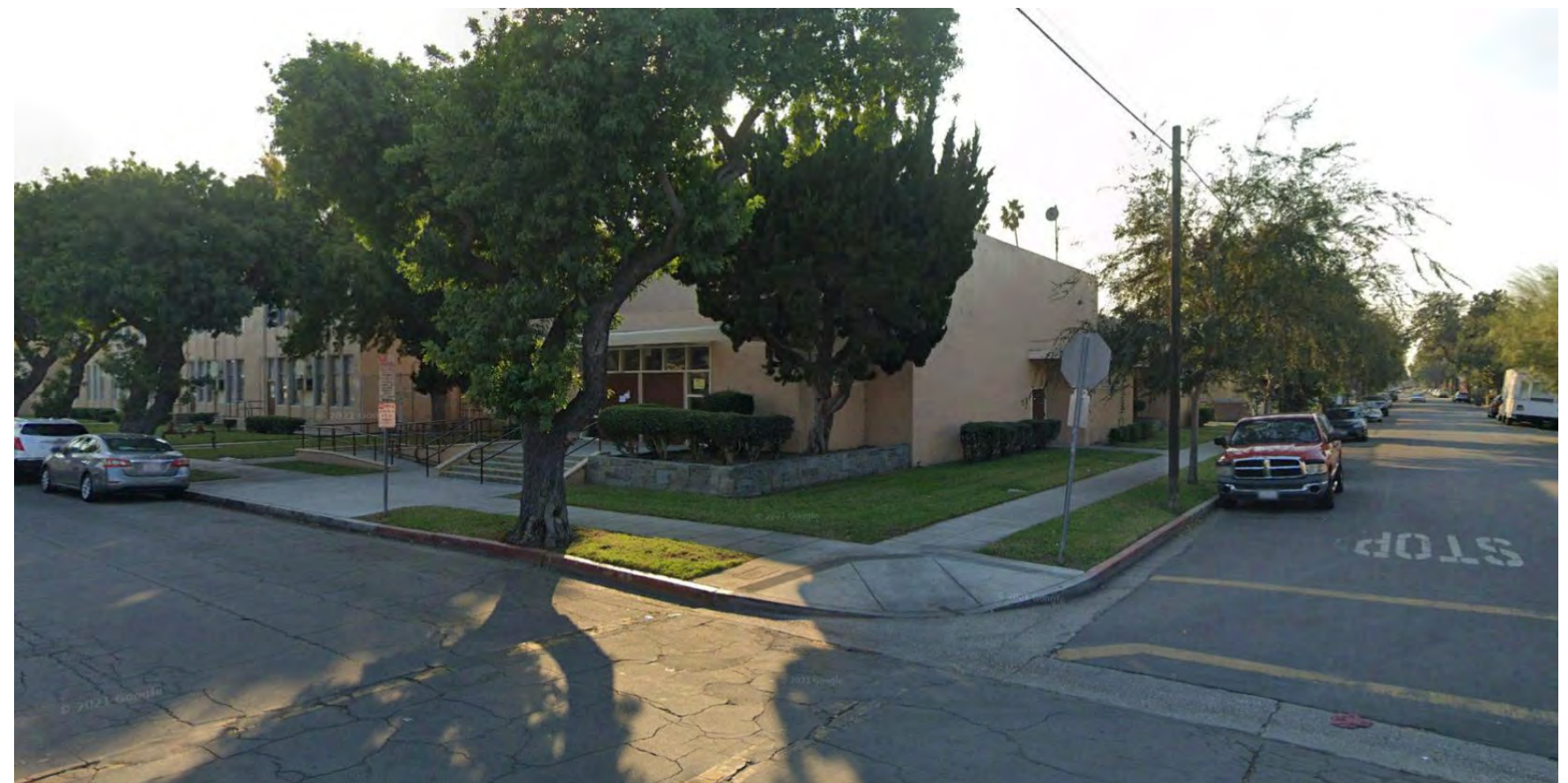


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
885	838	-47	-5%	599	140%	-240	60	684	194	878	684	261	945	-67	150%
				485				78%	22%		72%	28%		-7%	-300

Lafayette Elementary School – Facts & Figures

<p>Location 2445 Chestnut Avenue Long Beach CA 90806 562.426.7075</p>	<p>Total Campus Area 3.72 Acres</p>	<p>Years Constructed 1936, 1951, 1967, 1970, 1994, 1996, 1997</p>	<p>Total Parking 24 Stalls</p>	<p>Total Building Area Permanent Construction 41,238 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 885</p>	<p>Factored Capacity 1,083</p>	<p>Permanent Capacity 599 Temporary Capacity 485</p>	<p>Total Building Area Portables 16,320 SF</p>



Lafayette Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

B Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

C Lack of educational play equipment and natural elements at Kinder outdoor area

D Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

E Visibility of outdoor Kinder play from street

F Lack of lawn/turf area at main play area

G Lack of adequate apparatus play zone for younger learners

H Lack of shade trees at play area

J Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Lafayette Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	21	18,377
Portable Classrooms	17	16,320
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	38	34,697

Enrollment & Capacity

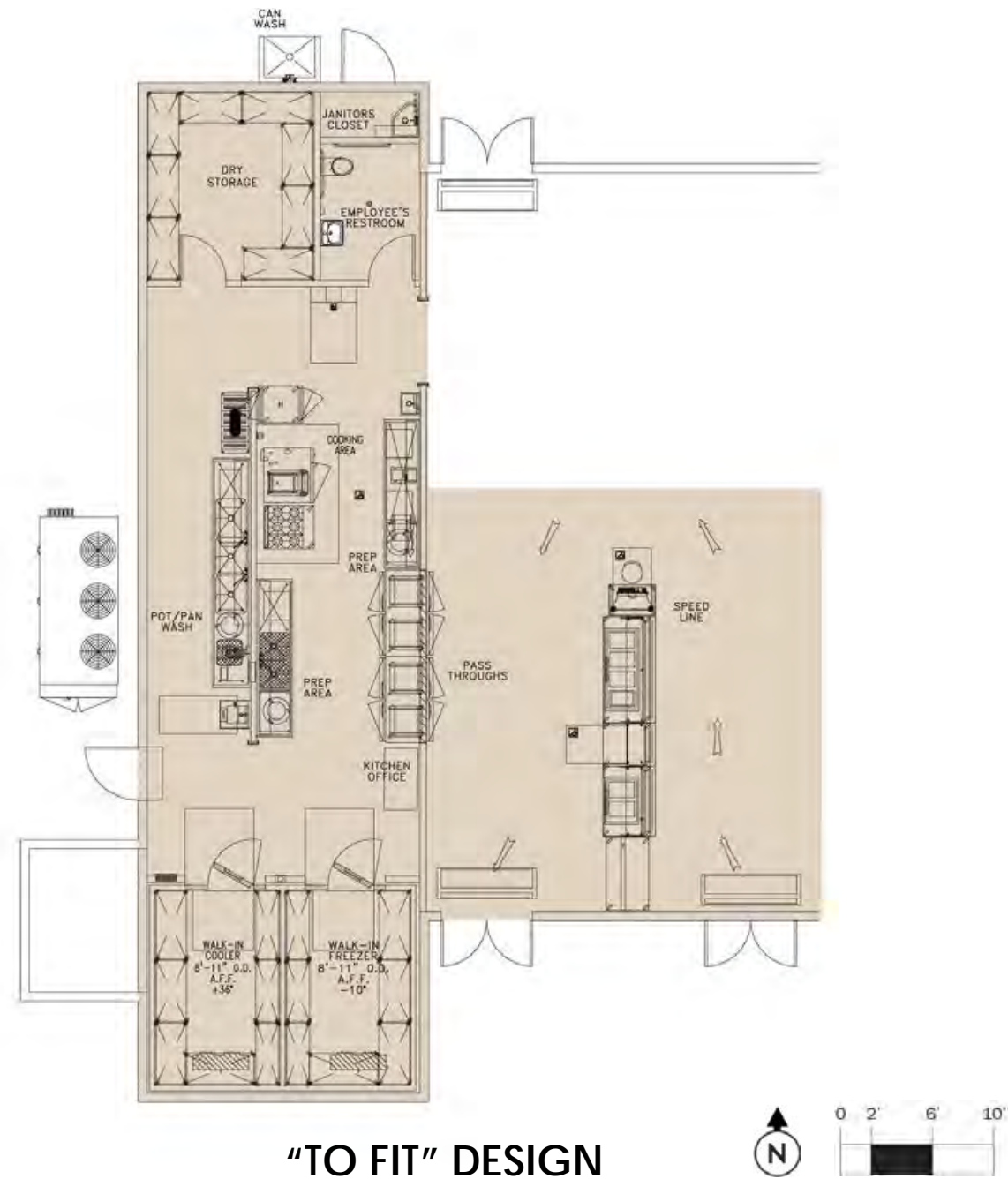
	Student Count	Loaded Clsm
2021-2022 Enrollment	885	1:30
Factored Capacity	1,083	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		30
Current Classroom Count		38

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,971 SF	3,312 SF
Auditorium	1,676 SF	5,191 SF
Library	993 SF	2,685 SF
Nutrition Services		
Cafeteria	1,288 SF	3,043 SF
Food Service	915 SF	1,700 SF
Lunch Shelter	----	2,684 SF
Site		
Playground	1.86 Acres	2.0 Acres
Parking	24 Stalls	68 Stalls



Lafayette Elementary School – Nutrition Services Plan 2022-2032



"TO FIT" DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

Summary Improvement Plan

Though recently renovated as part of the LBusD HVAC Construction project, the food service areas at Lafayette Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the cafeteria. Due to the size constraints of the kitchen, the aiseways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by a walk-in cooler, walk-in freezer and (2) self-contained units within the kitchen space and supplemented with (3) milk coolers in the cafeteria. There are (2) full width air curtains in the cafeteria that are either switch operated or were non-operational at the time of site visit. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Though fairly new, the hood must have certain overhang clearances to be deemed code compliant, however this hood does not meet these requirements. ADA requires that exposed 'P' traps below hand sinks be insulated. The interiors of the walk-in cooler and the walk-in freezer are clad in FRP. This is not only against EHS code, it also leads to delamination and increases the potential for mold. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



Lincoln Elementary

1175 East 11th Street
Long Beach, CA 90808

Planning Area
Area E Polytechnic
School #
6015440

Educational Specification 48	Facility Condition 97	Capacity Utilization 98
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BUILDING DATA

Year Constructed 1935	Gross S.F. 35,799	Permanent Building Count 5	Oldest Building 1935	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	28	X	22%	6
Relationships and Collaboration	40	X	15%	6
Wellness	49	X	15%	7
Safety and Security	78	X	21%	16
Features in Learning Environment	46	X	13%	6
Operational Utility	41	X	14%	6
Educational Specification Score:				48

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	94
Plumbing	100
Mechanical	94
Fire Protection	100
Electrical	95
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only: 96	
Civil	100
5-YR FCI Score including Civil: 97	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
830	695	-135	-16%	684	102%	-11	98	737	101	838	737	147	884	-46	110%
				627				88%	12%		83%	17%		-5%	-65

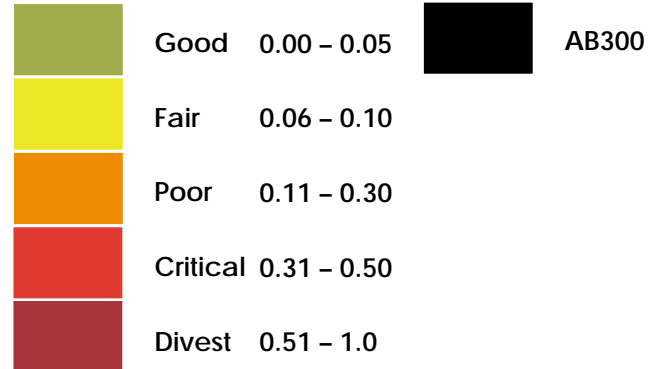
Abraham Lincoln Elementary School – Facts & Figures

<p>Location 1175 East Eleventh Street Long Beach CA 90813 562.599.5005</p>	<p>Total Campus Area 5.87 Acres</p>	<p>Years Constructed 1935, 1949, 1952, 1954, 1966, 1967, 1969, 1994</p>	<p>Total Parking 58 Stalls</p>	<p>Total Building Area Permanent Construction 28,799 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 830</p>	<p>Factored Capacity 1,311</p>	<p>Permanent Capacity 684 Temporary Capacity 627</p>	<p>Total Building Area Portables 20,032 SF</p>



Abraham Lincoln Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

B Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

C Lack of educational play equipment and natural elements at Kinder outdoor area

D Large number of students located in portables compared to number of students in permanent buildings

E Lack of immediate access to kinder play area from classrooms

Activity Zone – Athletics/Physical Education

F Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Abraham Lincoln Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	22	19,867
Portable Classrooms	22	16,192
◀ CAFM Designated Classroom w/Alt Use	5	3,680
Total Existing	49	39,739

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	830	1:30
Factored Capacity	1,311	

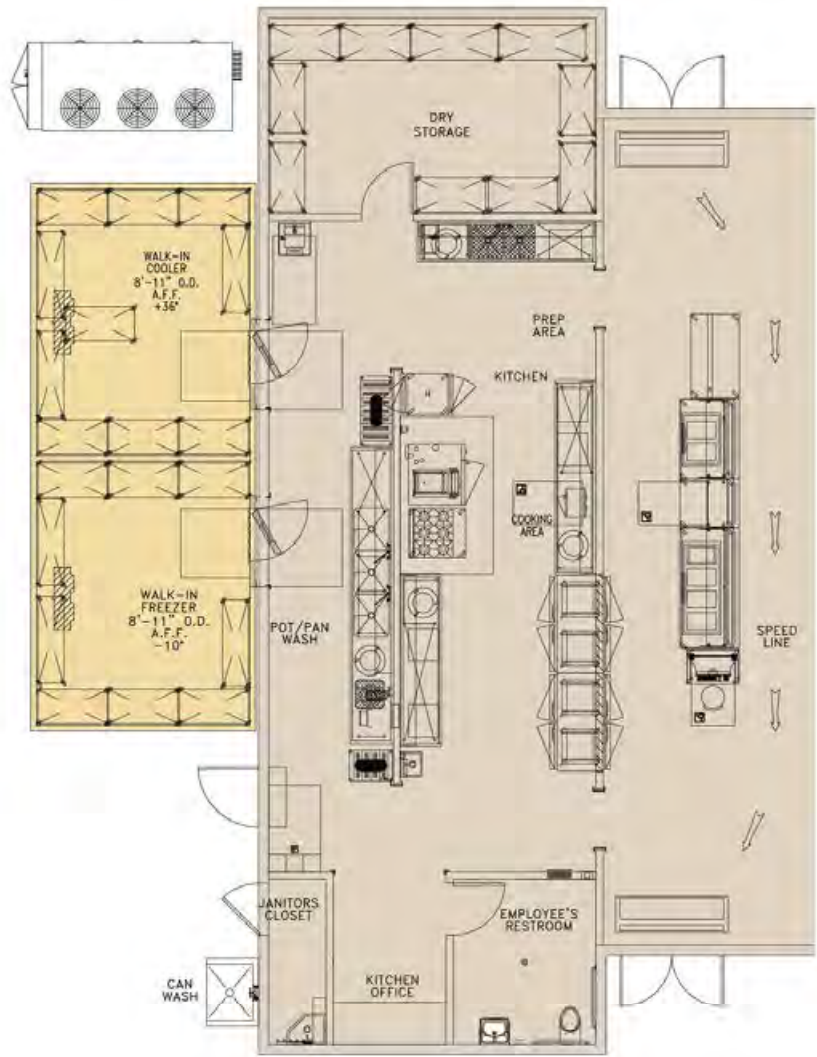
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	28
Current Classroom Count	49

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,732 SF	3,108 SF
Auditorium	2,651 SF	4,872 SF
Library	1,355 SF	2,520 SF
Nutrition Services		
Cafeteria	1,358 SF	2,856 SF
Food Service	897 SF	1,596 SF
Lunch Shelter	860 SF	2,520 SF
Site		
Playground	2.3 Acres	2.0 Acres
Parking	58 Stalls	63 Stalls



Abraham Lincoln Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

The Lincoln Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Lincoln Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. There is no exterior ramp for the storage container which necessitates a step up to access the interior. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The laminate clad wood service counter, the wood stanchions on the food guards and the wood guillotine style door near the disposer are not EHS code compliant. There are (2) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Longfellow Elementary

3800 North Olive Avenue
Long Beach, CA 90807

Planning Area
Area E Polytechnic
School #
6015457

Educational Specification
46

Facility Condition
99

Capacity Utilization
96



BUILDING DATA

Year Constructed
1935

Gross S.F.
43,891

Permanent Building Count
5

Oldest Building
1935

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	11	X	22%	2
Relationships and Collaboration	51	X	15%	8
Wellness	57	X	15%	9
Safety and Security	61	X	21%	13
Features in Learning Environment	55	X	13%	7
Operational Utility	54	X	14%	8
Educational Specification Score:				46

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	99
Mechanical	97
Fire Protection	99
Electrical	97
Communications	98
Safety and Security	100
Structural	99
5-YR FCI Score, buildings only:	
	98
Civil	100
5-YR FCI Score including Civil:	
	99



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
883	771	-112	-13%	741	104%	-30	96	821	72	893	821	188	1,009	-116	121%
				257				92%	8%		81%	19%		-11%	-156

Henry W. Longfellow Elementary School – Facts & Figures

<p>Location 3800 Olive Avenue Long Beach CA 90807 562.595.0308</p>	<p>Total Campus Area 5.68 Acres</p>	<p>Years Constructed 1935, 1945, 1950, 1952, 1954, 1969, 1988, 1997</p>	<p>Total Parking 21 Stalls</p>	<p>Total Building Area Permanent Construction 43,891 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 883</p>	<p>Factored Capacity 998</p>	<p>Permanent Capacity 741 Temporary Capacity 257</p>	<p>Total Building Area Portables 11,921 SF</p>



Henry W. Longfellow Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

- B** Lack of educational play equipment and natural elements at Kinder outdoor area

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Lack of shade trees at play area
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Henry W. Longfellow Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	22	21,120
Portable Classrooms	9	10,001
◀ CAFM Designated Classroom w/Alt Use	7	4,744
Total Existing	38	35,865

Enrollment & Capacity

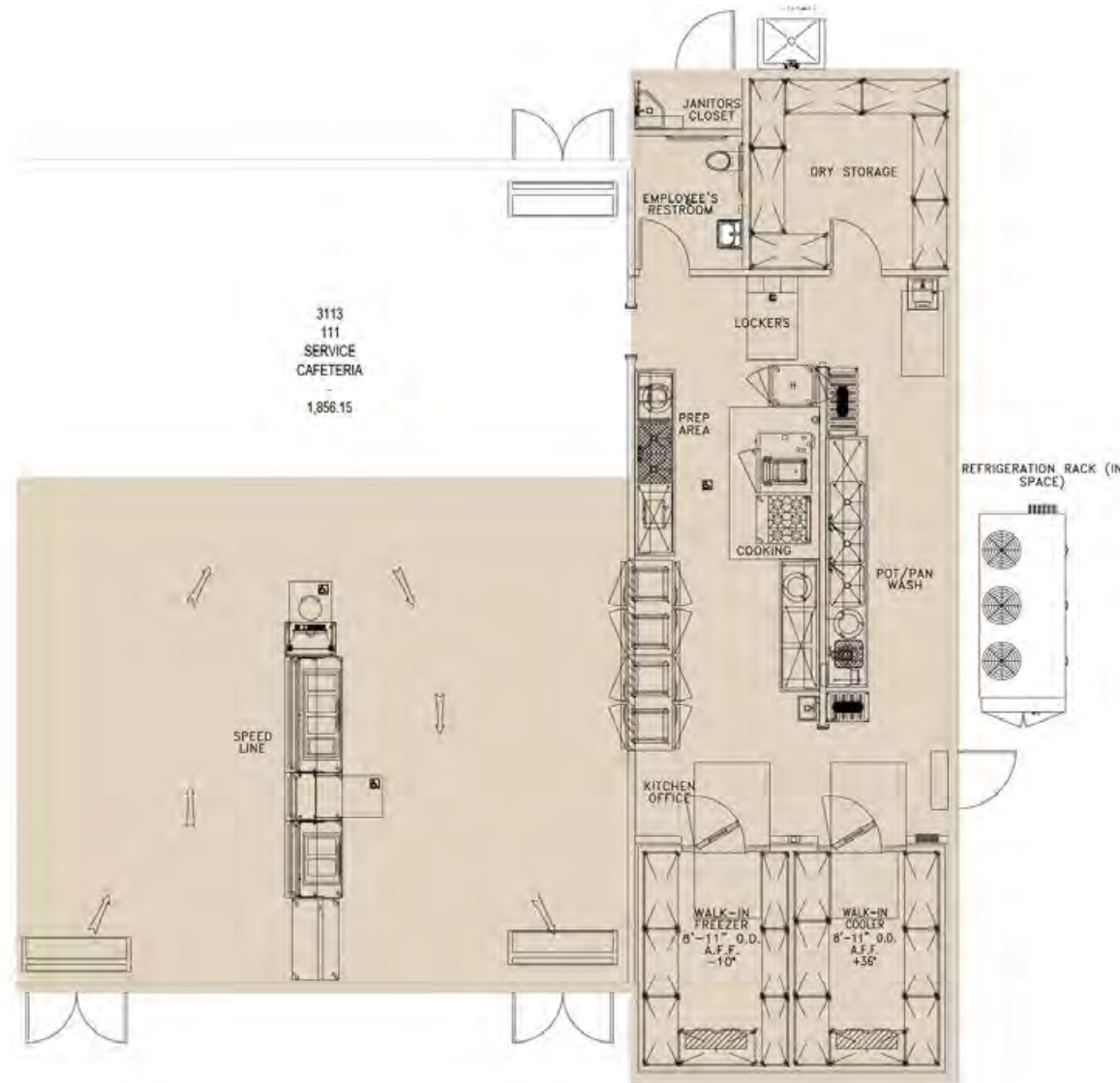
	Student Count	Loaded Clrm
2021-2022 Enrollment	883	1:30
Factored Capacity	998	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		29
Current Classroom Count		38

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,261 SF	2,799 SF
Auditorium	3,379 SF	5,318 SF
Library	1,440 SF	3,079 SF
Nutrition Services		
Cafeteria	1,856 SF	3,172 SF
Food Service	781 SF	2,425 SF
Lunch Shelter	----	2,799 SF
Site		
Playground	3.4 Acres	2.0 Acres
Parking	21 Stalls	73 Stalls



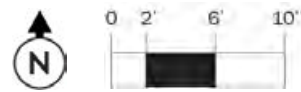
Henry W. Longfellow Elementary School– Nutrition Services Plan 2022-2032



Summary Improvement Plan

Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Lafayette Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the cafeteria. Due to the size constraints of the kitchen, the aisleways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by a walk-in cooler, walk-in freezer and (2) self-contained units within the kitchen space and supplemented with (3) milk coolers in the cafeteria. There are (2) full width air curtains in the cafeteria that are either switch operated or were non-operational at the time of site visit. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Though fairly new, the hood must have certain overhang clearances to be deemed code compliant, however this hood does not meet these requirements. ADA requires that exposed 'P' traps below hand sinks be insulated. The interiors of the walk-in cooler and the walk-in freezer are clad in FRP. This is not only against EHS code, it also leads to delamination and increases the potential for mold. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Los Cerritos Elementary

515 West San Antonio Drive
Long Beach, CA 90807

Planning Area
Area E Polytechnic
School #
6015465

Educational Specification 43	Facility Condition 63	Capacity Utilization 0
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BUILDING DATA

Year Constructed 1935	Gross S.F. 30,246	Permanent Building Count 3	Oldest Building 1935	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	7	X	22%	1
Relationships and Collaboration	42	X	15%	6
Wellness	59	X	15%	9
Safety and Security	59	X	21%	12
Features in Learning Environment	55	X	13%	7
Operational Utility	50	X	14%	7
Educational Specification Score:				43

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	26
Plumbing	47
Mechanical	48
Fire Protection	100
Electrical	34
Communications	100
Safety and Security	54
Structural	81
5-YR FCI Score, buildings only:	
	46
Civil	100
5-YR FCI Score including Civil:	
	63



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis			
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus	
457	408	-49	-11%	171	239%	-237	0	377	79	456	377	88	465	-9	243%	
				143				83%	17%		81%	19%		-2%	-245	

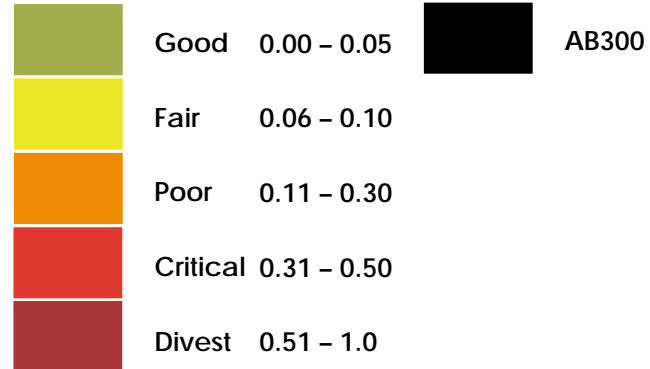
Los Cerritos Elementary School – Facts & Figures

<p>Location 515 West San Antonio Drive Long Beach CA 90807 562.595.6337</p>	<p>Total Campus Area 5.94 Acres</p>	<p>Years Constructed 1935, 1951, 1954, 1970, 1997</p>	<p>Total Parking 3</p>	<p>Total Building Area Permanent Construction 30,246 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 457</p>	<p>Factored Capacity 314</p>	<p>Permanent Capacity 171 Temporary Capacity 143</p>	<p>Total Building Area Portables 7,680 SF</p>



Los Cerritos Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

A Lack of onsite parking

Activity Zones – Academic Buildings

B Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

Activity Zone – Athletics/Physical Education

- C** Lack of lawn/turf area at main play area
- D** Lack of adequate apparatus play zone for younger learners
- E** Lack of shade trees at play area
- F** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Los Cerritos Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	12	10,369
Portable Classrooms	5	4,800
◀ CAFM Designated Classroom w/Alt Use	3	2,670
Total Existing	20	17,839

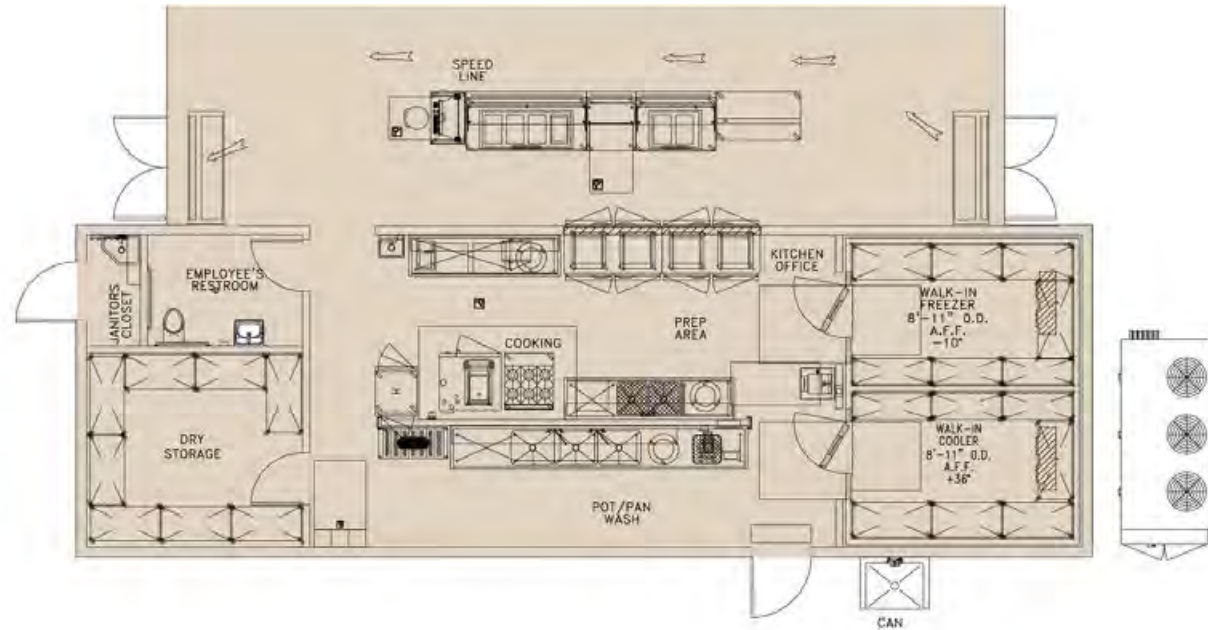
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	457	1:30
Factored Capacity	314	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		16
Current Classroom Count		20

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,751 SF	2,370 SF
Auditorium	3,104 SF	2,891 SF
Library	1,365 SF	1,564 SF
Nutrition Services		
Cafeteria	1,223 SF	1,611 SF
Food Service	651 SF	1,234 SF
Lunch Shelter	820 SF	1,422 SF
Site		
Playground	2.9 Acres	1.4 Acres
Parking	3 Stalls	36 Stalls

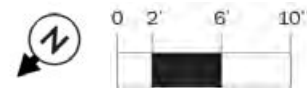




Summary Improvement Plan

The Los Cerritos Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Los Cerritos Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with minimal overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood stanchions on the food guards; the wood window frames above the sink and the exposed wood guillotine style door near the disposer are not EHS code compliant. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. There is a double exit door in the cafeteria that do not have EHS required, full width, plunger activated air curtains. The exhaust hood is grossly undersized, non-UL Listed and has no fire suppression system. There is no employee hand sink or dedicated food preparation sink within the kitchen space. There is no ADA accessible entrance to either the kitchen or the cafeteria. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Lowell Elementary

5201 East Broadway
Long Beach, CA 90803

Planning Area
Area F Wilson
School #
6015473

Educational Specification
School Input Incomplete

Facility Condition
99

Capacity Utilization
98



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	46,044	5	1935	1999

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	97
5-YR FCI Score, buildings only:	99
Civil	100
5-YR FCI Score including Civil:	99



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
534	654	120	22%	644	102%	-10	98	422	110	532	422	60	482	50	93%
				57				79%	21%		88%	12%		10%	42

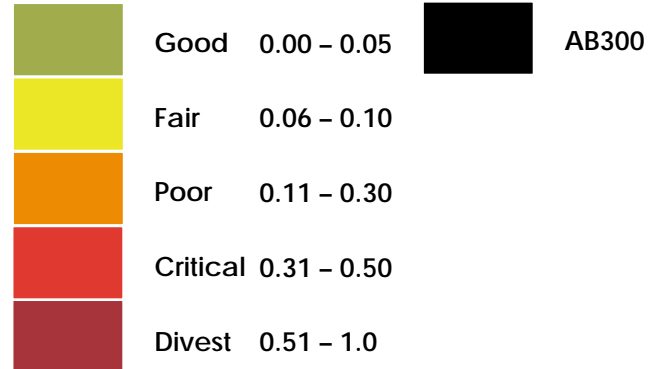
James R. Lowell Bayside Academy – Facts & Figures

<p>Location 5201 East Broadway Long Beach CA 90803</p>	<p>Total Campus Area 5.09 Acres</p>	<p>Years Constructed 1935, 1949, 1952, 1960, 1969, 1997</p>	<p>Total Parking -----</p>	<p>Total Building Area Permanent Construction 46,044 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 534</p>	<p>Factored Capacity 701</p>	<p>Permanent Capacity 644 Temporary Capacity 57</p>	<p>Total Building Area Portables 6,720 SF</p>



James R. Lowell Bayside Academy – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

- A** Lack of onsite parking
- B** Ease of access/ADA compliance from parking to front door

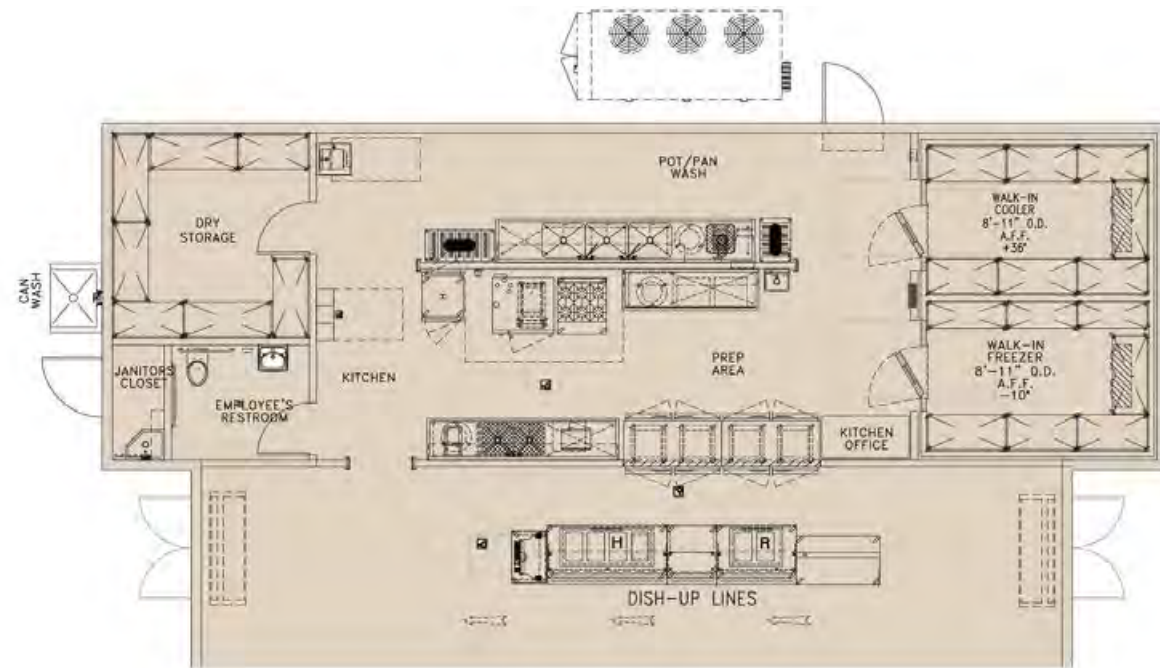
Activity Zones – Academic Buildings

- C** Lack of immediate access to kinder play area from classrooms

Activity Zone – Athletics/Physical Education

- D** Visibility and fencing height at outdoor Kinder play from street
- E** Lack of lawn/turf area at main play area
- F** Lack of shade trees at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play

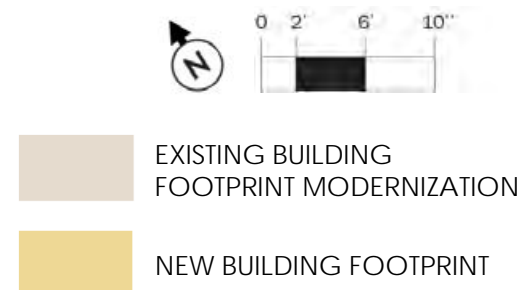




Summary Improvement Plan

The Lowell Elementary School kitchen is small and cramped. Though recently renovated as part of the LBusD HVAC Construction project, the food service areas at Lowell Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with an additional unit in the cafeteria. There are (2) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN





Macarthur Elementary

6011 Centralia Street
Lakewood, CA 90713

Planning Area
Area B Lakewood
School #
6015481

Educational Specification 49	Facility Condition 99	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1942	Gross S.F. 51,959	Permanent Building Count 5	Oldest Building 1942	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	23	X	22%	5
Relationships and Collaboration	54	X	15%	8
Wellness	41	X	15%	6
Safety and Security	57	X	21%	12
Features in Learning Environment	66	X	13%	9
Operational Utility	66	X	14%	9
Educational Specification Score:				49

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	97
Mechanical	98
Fire Protection	99
Electrical	98
Communications	99
Safety and Security	100
Structural	98
5-YR FCI Score, buildings only: 98	
Civil	100
5-YR FCI Score including Civil: 99	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
294	313	19	6%	667 314	47%	354	100	232 79%	62 21%	294	232 65%	125 35%	357	-63 -18%	56% 291

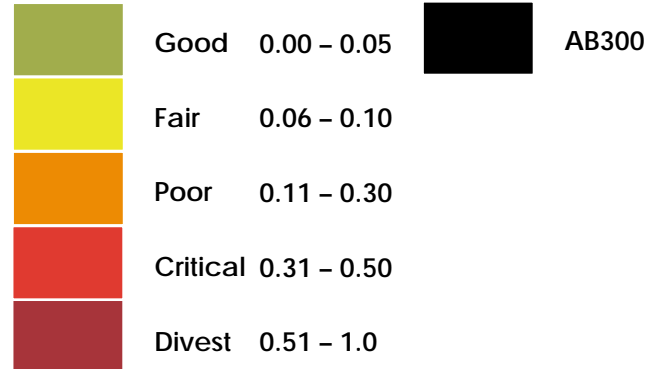
Douglas MacArthur Elementary School – Facts & Figures

<p>Location 6011 Centralia Street Lakewood CA 90713 562.420.3588</p>	<p>Total Campus Area 9.82 Acres</p>	<p>Years Constructed 1942, 1943, 1950, 1955, 1967, 1988, 1997</p>	<p>Total Parking 50 Stalls</p>	<p>Total Building Area Permanent Construction 51,959 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 294</p>	<p>Factored Capacity 980</p>	<p>Permanent Capacity 667 Temporary Capacity 314</p>	<p>Total Building Area Portables 12,514 SF</p>



Douglas MacArthur Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

A Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

Activity Zone – Athletics/Physical Education

- B** Visibility of outdoor Kinder play from street
- C** Lack of lawn/turf area at main play area
- D** Lack of educational play equipment and natural elements at outdoor play area
- E** Lack of adequate apparatus play zone for younger learners
- F** Lack of shade trees at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Douglas MacArthur Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	27	22,298
Portable Classrooms	11	12,514
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	38	34,812

Enrollment & Capacity

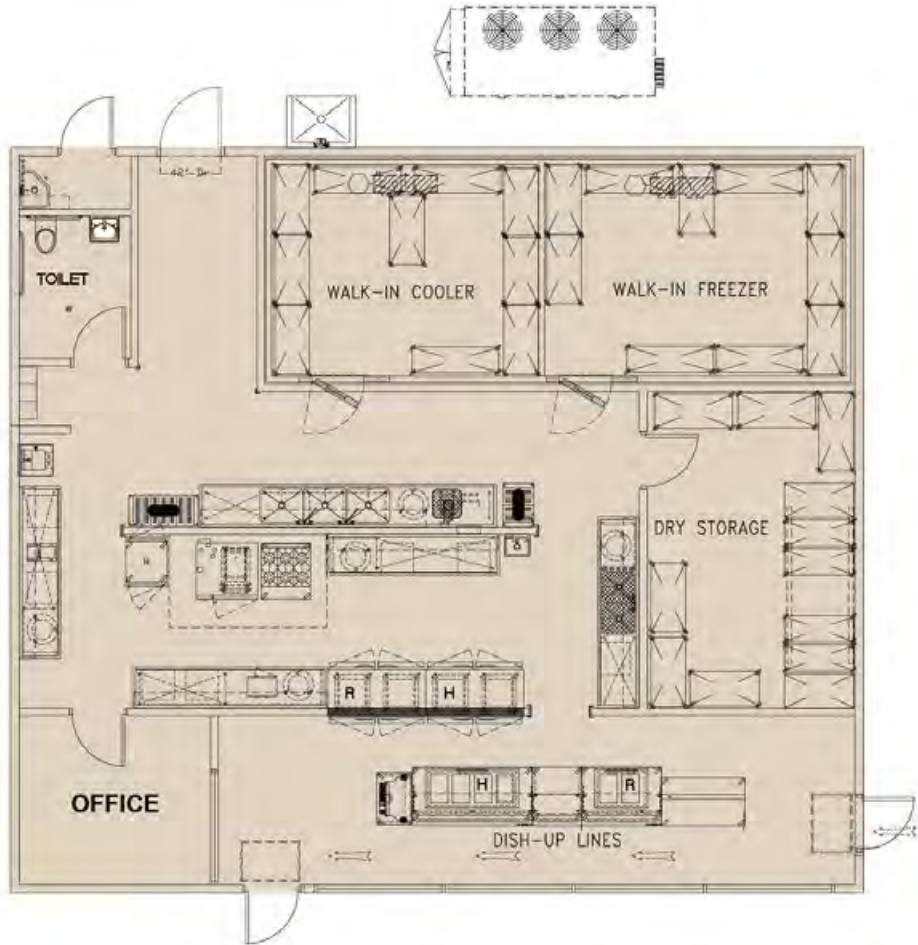
	Student Count	Loaded Clsm
2021-2022 Enrollment	294	1:30
Factored Capacity	980	

New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	10
Current Classroom Count	38

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,160 SF	1,505 SF
Auditorium	3,281 SF	1,836 SF
Library	1,596 SF	993 SF
Nutrition Services		
Cafeteria	1,236 SF	1,023 SF
Food Service	717 SF	783 SF
Lunch Shelter	820 SF	903 SF
Site		
Playground	4.9 Acres	1.4 Acres
Parking	50 Stalls	23 Stalls





Summary Improvement Plan

The MacArthur Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at MacArthur Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the working aisles for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood tray rail and the wood stanchions on the food guards are not EHS code compliant. The air curtain in the kitchen is wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service or production is in process. There are (2) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN

EXISTING BUILDING FOOTPRINT
 FOOTPRINT MODERNIZATION
 NEW BUILDING FOOTPRINT



Madison Elementary

2801 Bomberry Street
Lakewood, CA 90712

Planning Area
Area B Lakewood
School #
6015499

Educational Specification
School Input Incomplete

Facility Condition
97

Capacity Utilization
100



BUILDING DATA

Year Constructed
1955

Gross S.F.
49,082

Permanent Building Count
4

Oldest Building
1955

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
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Architectural	98
Plumbing	98
Mechanical	92
Fire Protection	95
Electrical	87
Communications	93
Safety and Security	100
Structural	93
5-YR FCI Score, buildings only:	95
Civil	100
5-YR FCI Score including Civil:	97



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
345	371	26	8%	707 285	52%	336	100	178 50%	176 50%	354	178 78%	51 22%	229	125 55%	36% 452

James Madison Elementary School – Facts & Figures

<p>Location 2801 Bomberly Street Lakewood CA 90712</p>	<p>Total Campus Area 10.06 Acres</p>	<p>Years Constructed 1953, 1955, 1956, 1968, 1987, 1988, 1997, 1998</p>	<p>Total Parking 60 Stalls</p>	<p>Total Building Area Permanent Construction 49,082 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 345</p>	<p>Factored Capacity 992</p>	<p>Permanent Capacity 707 Temporary Capacity 285</p>	<p>Total Building Area Portables 11,509 SF</p>



James Madison Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Vehicular parking in educational areas without adequate fencing to separate vehicles and pedestrians

Pedestrian Circulation

- B** Unprotected areas where security fencing is not present

Activity Zones – Academic Buildings

- C** Lack of Kinder direct access to play area

Activity Zone – Core Facilities

- D** Configuration of main entrance allows for individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

- E** Visibility of outdoor Kinder play from street
- F** Lack of lawn/turf area at main play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



James Madison Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	27	25,920
Portable Classrooms	10	11,509
◀ CAFM Designated Classroom w/Alt Use		
Total Existing	37	37,429

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	345	1:30
Factored Capacity	992	

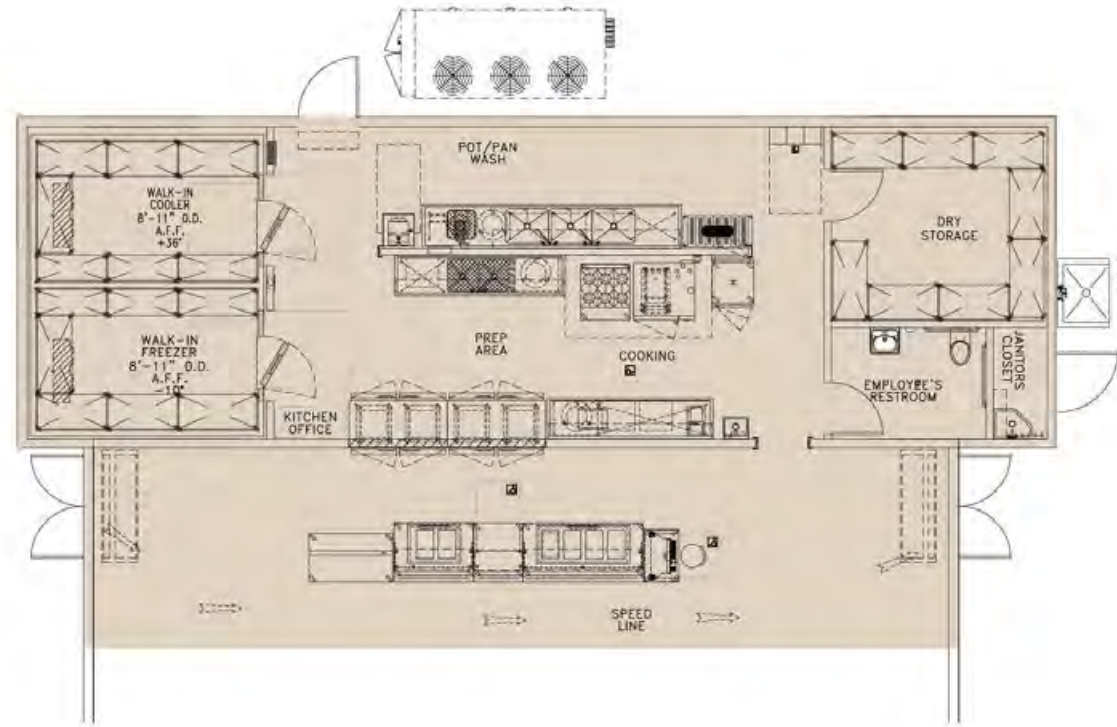
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	12
Current Classroom Count	37

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,694 SF	1,740 SF
Auditorium	3,751 SF	2,123 SF
Library	1,238 SF	1,148 SF
Nutrition Services		
Cafeteria	2,023 SF	1,183 SF
Food Service	716 SF	905 SF
Lunch Shelter	820 SF	1,044 SF
Site		
Playground	5.8 Acres	1.4 Acres
Parking	60 Stalls	27 Stalls



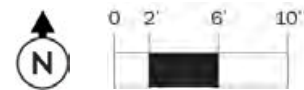
James Madison Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

At 716 sf (including Dry Storage), the Madison Elementary School kitchen is small. Although recently remodeled, much of the old equipment has been utilized. The layout has remained essentially the same, therefore the food service areas at Madison Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service and production aiseways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. ADA requires that exposed ‘P’ traps below hand sinks be insulated. There is no dedicated food preparation sink within the kitchen space. The students exterior seating is damaged. Several benches have sharp edges and are rusting. This is a hazard. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Mann Elementary

257 Coronado Avenue
Long Beach, CA 90803

Planning Area
Area F Wilson
School #
6015507

Educational Specification 51	Facility Condition 91	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1935	Gross S.F. 41,077	Permanent Building Count 4	Oldest Building 1935	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	15	X	22%	3
Relationships and Collaboration	56	X	15%	8
Wellness	56	X	15%	8
Safety and Security	79	X	21%	17
Features in Learning Environment	56	X	13%	7
Operational Utility	53	X	14%	7
Educational Specification Score:				51

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	84
Plumbing	99
Mechanical	89
Fire Protection	97
Electrical	80
Communications	96
Safety and Security	93
Structural	97
5-YR FCI Score, buildings only: 88	
Civil	100
5-YR FCI Score including Civil: 91	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
303	288	-15	-5%	371	78%	83	100	195	113	308	195	93	288	20	74%
				228				63%	37%		68%	32%		7%	98

Horace Mann Elementary School – Facts & Figures

<p>Location 257 Coronado Avenue Long Beach CA 90803 562.439.6897</p>	<p>Total Campus Area 3.72 Acres</p>	<p>Years Constructed 1935, 1948, 1950, 1968, 1970, 1997</p>	<p>Total Parking 12 Stalls</p>	<p>Total Building Area Permanent Construction 35,877 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 303</p>	<p>Factored Capacity 599</p>	<p>Permanent Capacity 371 Temporary Capacity 228</p>	<p>Total Building Area Portables 6,993 SF</p>



Horace Mann Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A Lack of onsite parking

Activity Zones – Academic Buildings

B Lack of Kinder direct access to play area

Activity Zone – Core Facilities

C Configuration of main entrance allows for individuals to come onto campus without first passing through Main Office

Activity Zone – Athletics/Physical Education

D Visibility of outdoor Kinder play from street

E Lack of lawn/turf area at main play area

F Lack of shade trees at play area

G Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Horace Mann Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	15	13,036
Portable Classrooms	8	6,993
◀ CAFM Designated Classroom w/Alt Use		
Total Existing	23	20,029

Enrollment & Capacity

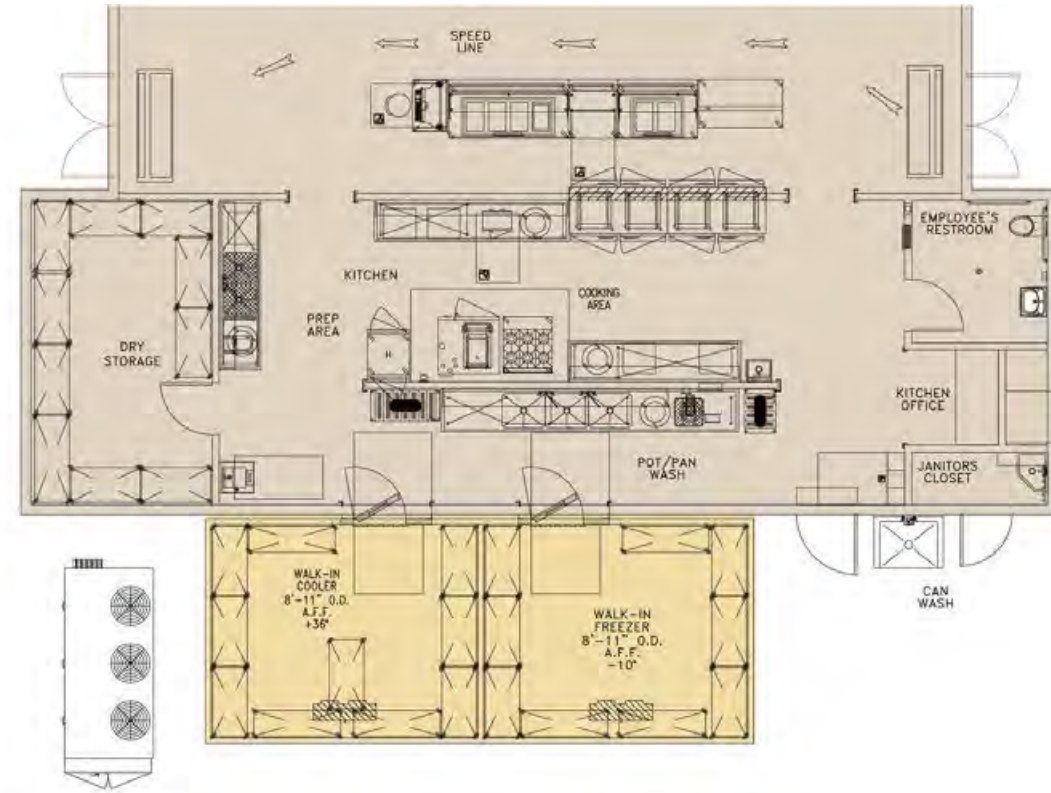
	Student Count	Loaded Clsm
2021-2022 Enrollment	303	1:30
Factored Capacity	599	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		11
Current Classroom Count		23

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,675 SF	1,605 SF
Auditorium	3,316 SF	1,958 SF
Library	1,247 SF	1,059 SF
Nutrition Services		
Cafeteria	1,299 SF	1,091 SF
Food Service	724 SF	835 SF
Lunch Shelter	N/A	963 SF
Site		
Playground	2.2 Acres	1.4 Acres
Parking	12 Stalls	25 Stalls



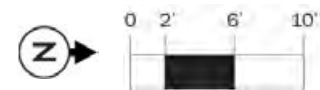
Horace Mann Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation: At 724 square feet (including the Dry Storage area), the Horace Mann Elementary School kitchen is small and cramped. Though recently renovated as part of the LBSD HVAC Construction project, the food service areas at Horace Mann Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space and supplemented with an overflow milk cooler in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood window frames directly above the pot was sink and the exposed wood guillotine style door near the disposer are not EHS code compliant. The hood must have certain overhang clearances to be deemed code compliant. This hood does not meet these requirements. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Mckinley Elementary

6822 Paramount Boulevard
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6015515

Educational Specification
59

Facility Condition
92

Capacity Utilization
100



BUILDING DATA

Year Constructed
1934

Gross S.F.
46,841

Permanent Building Count
5

Oldest Building
1934

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	34	X	22%	8
Relationships and Collaboration	53	X	15%	8
Wellness	62	X	15%	9
Safety and Security	81	X	21%	17
Features in Learning Environment	67	X	13%	9
Operational Utility	61	X	14%	9
Educational Specification Score:				59

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	91
Plumbing	93
Mechanical	86
Fire Protection	91
Electrical	76
Communications	88
Safety and Security	100
Structural	94
5-YR FCI Score, buildings only:	
	89
Civil	100
5-YR FCI Score including Civil:	
	92

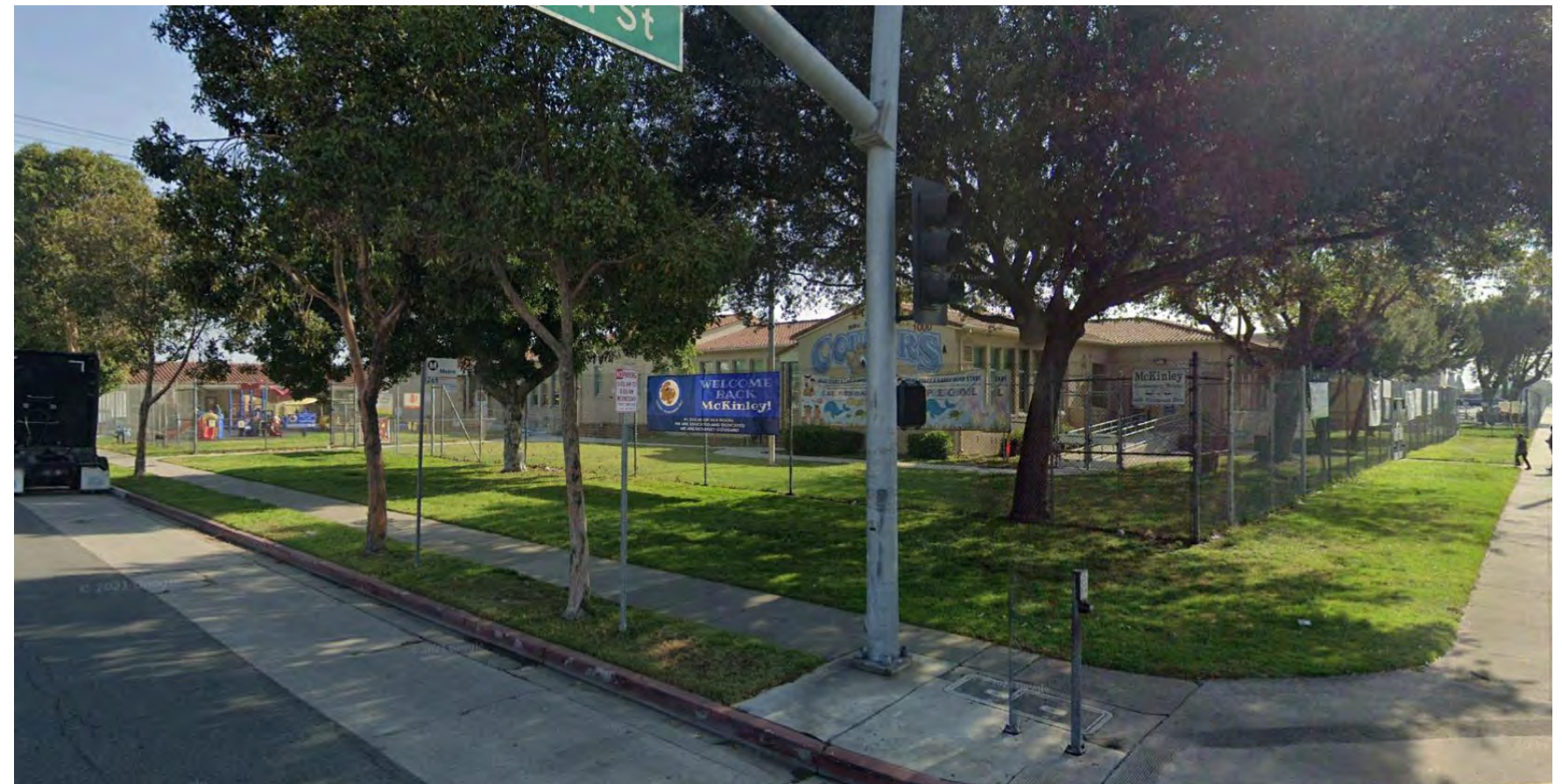


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
523	435	-88	-17%	690 485	63%	255	100	490 95%	26 5%	516	490 72%	186 28%	676	-160 -24%	85% 102

William McKinley Elementary School – Facts & Figures

<p>Location 6822 North Paramount Boulevard Long Beach CA 90805 562.630.6200</p>	<p>Total Campus Area 7.78 Acres</p>	<p>Years Constructed 1934, 1950, 1952, 1954, 1960, 1966, 1997</p>	<p>Total Parking 78 Stalls</p>	<p>Total Building Area Permanent Construction 46,841 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 523</p>	<p>Factored Capacity 1,174</p>	<p>Permanent Capacity 690 Temporary Capacity 485</p>	<p>Total Building Area Portables 16,230 SF</p>



William McKinley Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Lack of lawn/turf area at main play area
- E** Lack of adequate apparatus play zone for younger learners
- F** Lack of shade trees at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



William McKinley Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	23	23,105
Portable Classrooms	17	16,230
◀CAFM Designated Classroom w/Alt Use	3	2,880
Total Existing	43	42,215

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	523	1:30
Factored Capacity	1,174	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	18
Current Classroom Count	43

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,825 SF	2,590 SF
Auditorium	3,162 SF	3,160 SF
Library	2,663 SF	1,709 SF
Nutrition Services		
Cafeteria	1,262 SF	1,761 SF
Food Service	1,290 SF	1,347 SF
Lunch Shelter	820 SF	1,554 SF
Site		
Playground	4.8 Acres	1.4 Acres
Parking	78 Stalls	41 Stalls

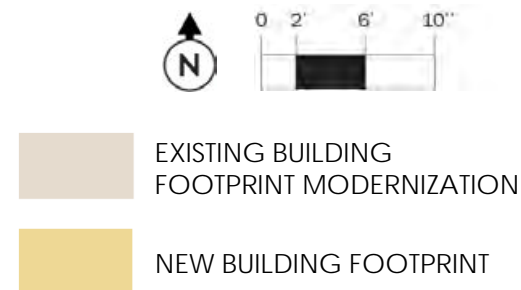




Summary Improvement Plan

The McKinley Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at McKinley Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is in the cafeteria. Due to the size constraints of the kitchen, the aisleways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by (7) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood window mullions above the pot sink are not EHS code compliant. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. The hood must have certain overhang clearances to be deemed code compliant. This hood does not meet these requirements. There is no dedicated food preparation sink within the kitchen space. One of the large two door refrigerators was mounted on small wooden dollies during the site visit. This is a risk management issue. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Naples Elementary

5537 East The Toledo
Long Beach, CA 90803

Planning Area
Area F Wilson
School #
6015549

Educational Specification
58

Facility Condition
100

Capacity Utilization
66



BUILDING DATA

Year Constructed
1934

Gross S.F.
18,413

Permanent Building Count
3

Oldest Building
1934

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	28	X	22%	6
Relationships and Collaboration	50	X	15%	7
Wellness	72	X	15%	11
Safety and Security	84	X	21%	18
Features in Learning Environment	65	X	13%	8
Operational Utility	56	X	14%	8
Educational Specification Score:				58

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only: 100	
Civil	100
5-YR FCI Score including Civil: 100	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
293	267	-26	-9%	200 257	134%	-68	201 69%	92 31%	293	201 88%	28 12%	229	64 28%	102% -4

Naples Elementary School – Facts & Figures

<p>Location 5537 The Toledo Long Beach CA 90803 562.433.0489</p>	<p>Total Campus Area 4.37 Acres</p>	<p>Years Constructed 1934, 1949, 1952, 1954, 1956, 1997</p>	<p>Total Parking 6 Stalls</p>	<p>Total Building Area Permanent Construction 18,413 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 293</p>	<p>Factored Capacity 456</p>	<p>Permanent Capacity 200 Temporary Capacity 257</p>	<p>Total Building Area Portables 7,428 SF</p>



Naples Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Lack of onsite parking

Activity Zones – Academic Buildings

- B** Lack of natural elements at Kinder outdoor play area

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Lack of lawn/turf area at main play area
- E** Lack of shade trees at play area
- F** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Naples Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	5	4,392
Portable Classrooms	9	7,428
◀ CAFM Designated Classroom w/Alt Use	1	960
Total Existing	15	12,780

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	293	1:30
Factored Capacity	456	

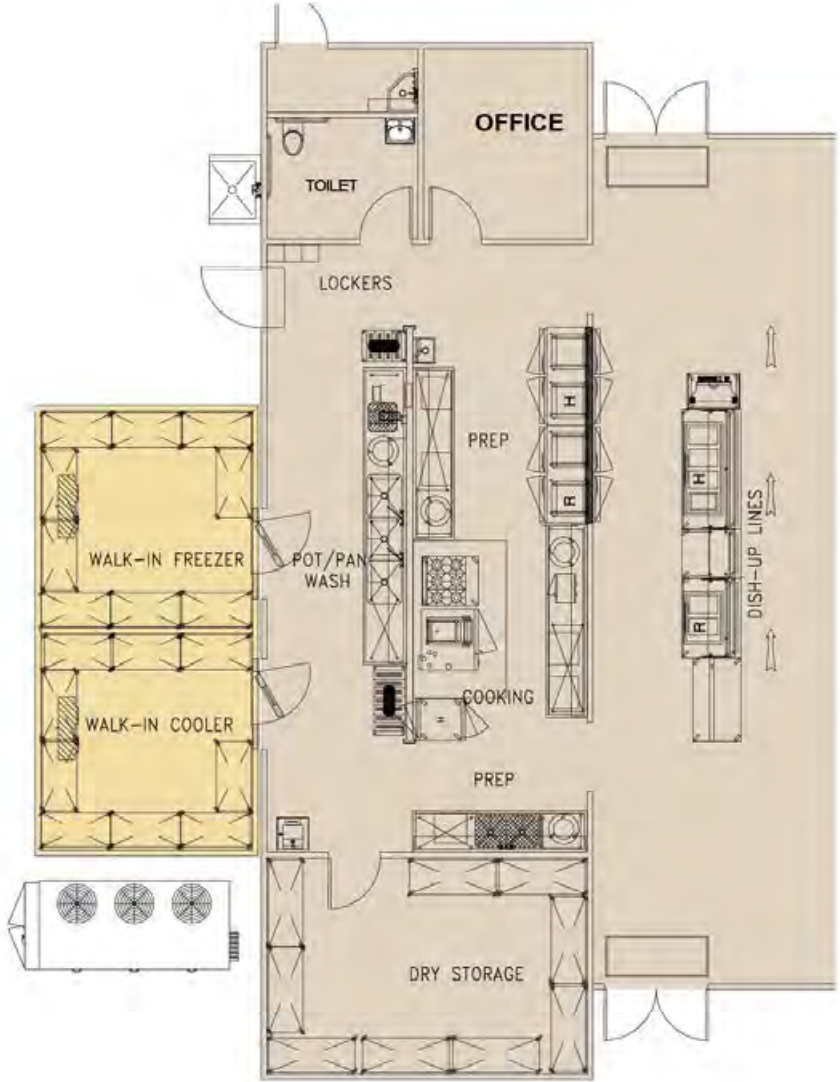
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	10
Current Classroom Count	15

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,027 SF	1,445 SF
Auditorium	2,993 SF	1,763 SF
Library	1,474 SF	954 SF
Nutrition Services		
Cafeteria	1,262 SF	983 SF
Food Service	673 SF	751 SF
Lunch Shelter	1,640 SF	867 SF
Site		
Playground	2.1 Acres	1.4 Acres
Parking	6 Stalls	25 Stalls



Naples Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Though this site was recently a part of the LBUUSD HVAC improvements, at 732 square feet (including the Dry Storage area), the Naples Elementary School kitchen is small and cramped. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area – an EHS code violation). The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (4) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. There are (2) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. Though new, due to the equipment placement under the exhaust hood, the overhang clearances do not meet EHS code. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Jenny Oropeza Elementary

700 Locust Avenue
Long Beach, CA 90813

Planning Area
Area E Polytechnic
School #
6108013

Educational Specification
53

Facility Condition
99

Capacity Utilization
100



BUILDING DATA

Year Constructed
1999

Gross S.F.
60,997

Permanent Building Count
3

Oldest Building
1999

Newest Building
1999

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	13	X	22%	3
Relationships and Collaboration	53	X	15%	8
Wellness	60	X	15%	9
Safety and Security	81	X	21%	17
Features in Learning Environment	54	X	13%	7
Operational Utility	63	X	14%	9
Educational Specification Score:				53

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	100
Mechanical	93
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	
	99
Civil	100
5-YR FCI Score including Civil:	
	99



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
568	506	-62	-11%	918 0	55%	412	100	477 84%	94 16%	571	477 77%	144 23%	621	-50 -8%	61% 359







Jenny Oropeza Elementary School – Facts & Figures

<p>Location 700 Locust Avenue Long Beach CA 90813 562.436.4420</p>	<p>Total Campus Area 2.67 Acres</p>	<p>Years Constructed 1999</p>	<p>Total Parking 67 Stalls</p>	<p>Total Building Area Permanent Construction 32,403 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 568</p>	<p>Factored Capacity 918</p>	<p>Permanent Capacity 918 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Jenny Oropeza Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Lack of educational play equipment and natural elements at Kinder outdoor area
- B** Lack of lawn/turf area at main play area
- C** Lack of adequate apparatus play zone for younger learners
- D** Lack of shade trees at play area
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Jenny Oropeza Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	35	32,403
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	35	32,403

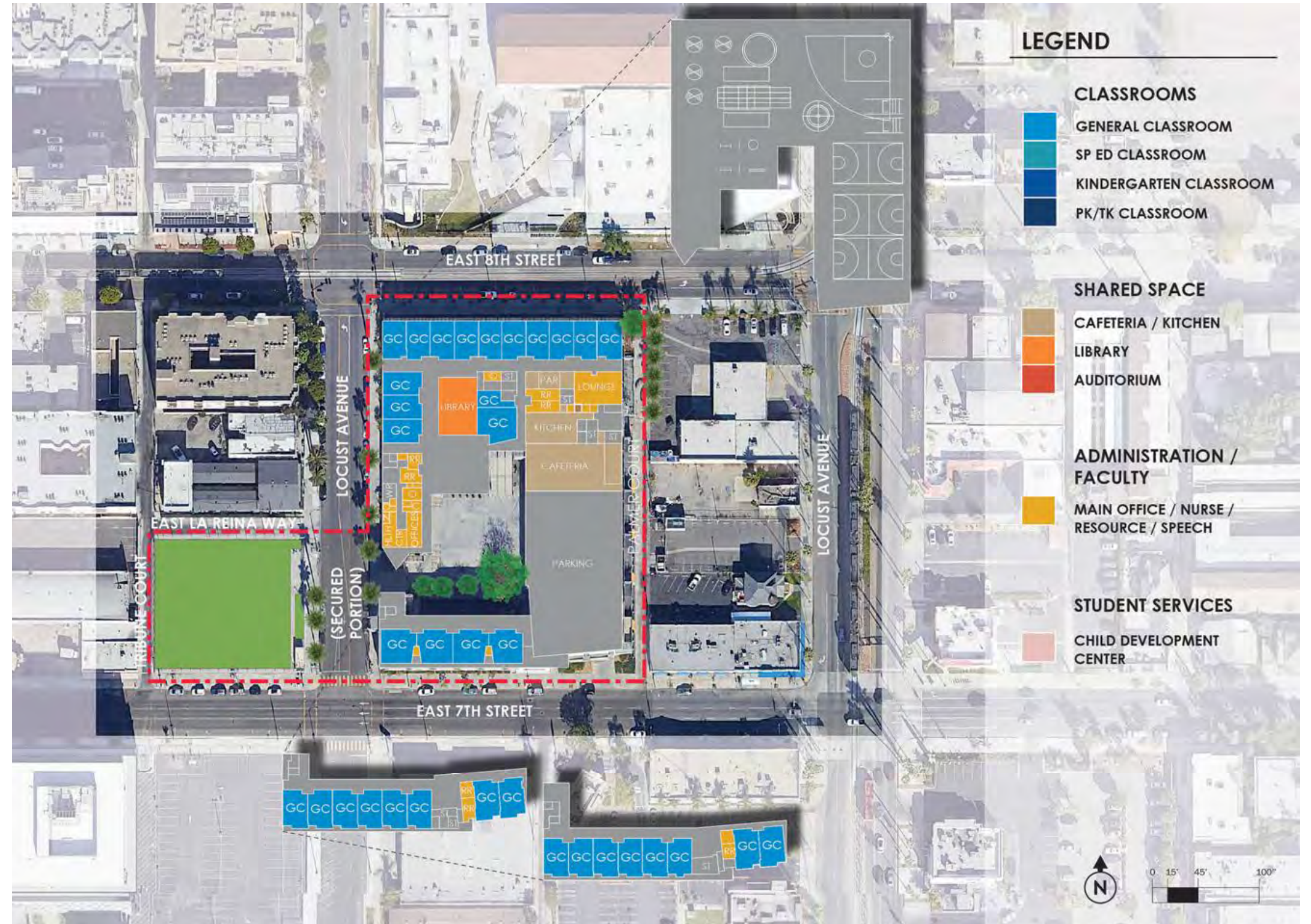
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	568	1:30
Factored Capacity	918	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	20
Current Classroom Count	35

2021-2022 Planning Capacity

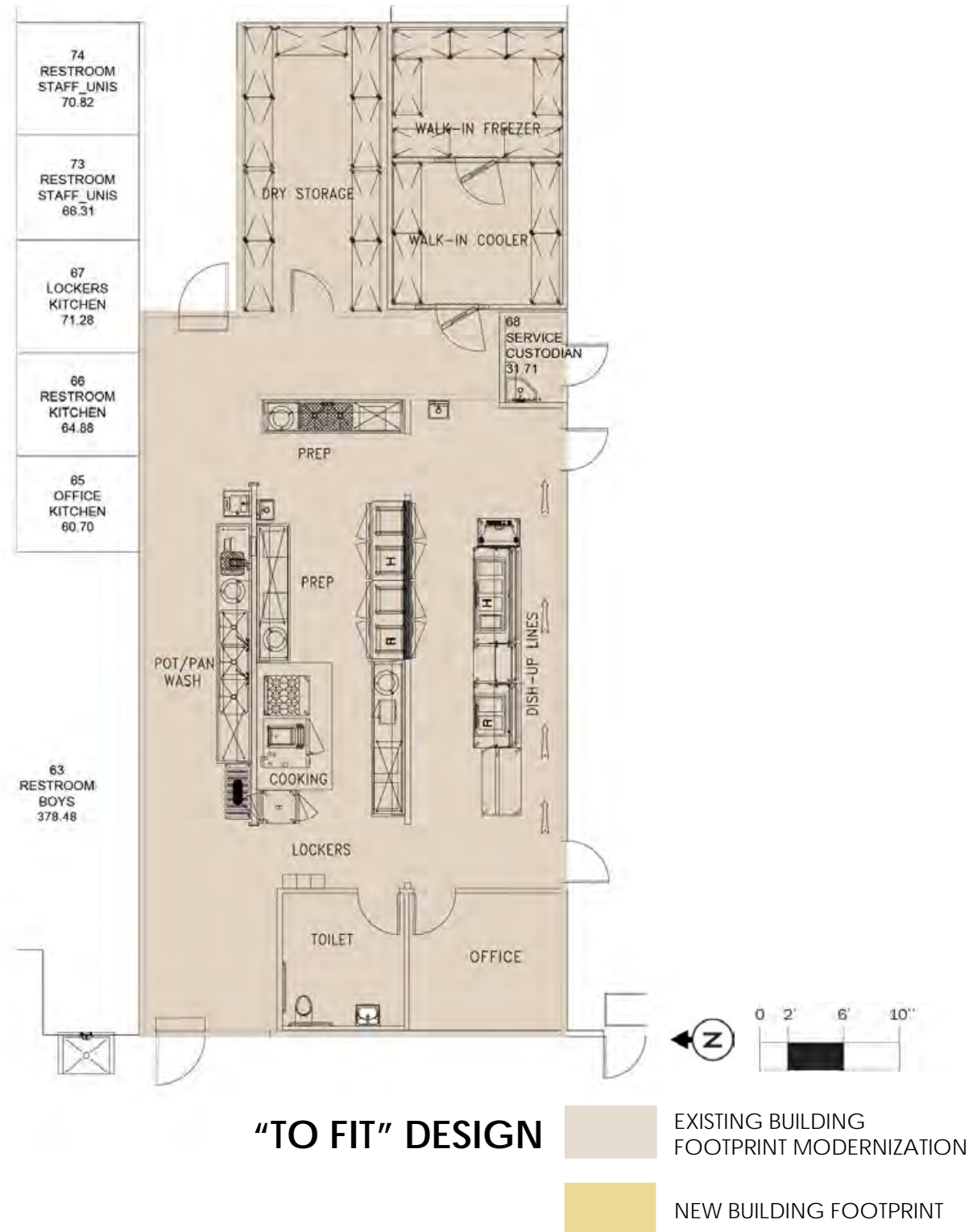
Category	Existing	Planning Capacity
Administration	2,578 SF	2,875 SF
Auditorium	4,161 SF	3,508 SF
Library	2,680 SF	1,896 SF
Nutrition Services		
Cafeteria	3,940 SF	1,955 SF
Food Service	2,270 SF	1,495 SF
Lunch Shelter	----	1,725 SF
Site		
Playground	N/A	1.4 Acres
Parking	67 Stalls	45 Stalls



Jenny Oropeza Elementary School – Nutrition Services Plan 2022-2032

Summary Improvement Plan

At an all-inclusive 2270 square feet, the Oropeza Elementary School kitchen is set up as a full production kitchen and is quite large. Oropeza ES has an enrollment of 575 students and serves a total of 712 meals daily. This space is oversized for the 2021-2022 Enrollment and service mode. The food service areas at Oropeza Elementary School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage. Refrigeration is accommodated by a walk-in cooler and freezer. These units were locked at the time of site visit and therefore cannot be evaluated, however, it was observed that there is duct tape at the coved base on the interior of the walk-in freezer. This issue requires further assessment. The condensate for the walk-ins drains into a floor sink located in the dry storage room. This floor sink is not easily accessible for cleaning. The walk-ins are supplemented with a self-contained refrigerator and (3) milk coolers within the kitchen space.





Prisk Elementary

2375 Fanwood Avenue
Long Beach, CA 90815

Planning Area
Area C Millikan
School #
6015580

Educational Specification
54

Facility Condition
99

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1953	49,635	4	1953	1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	21	X	22%	5
Relationships and Collaboration	45	X	15%	7
Wellness	62	X	15%	9
Safety and Security	79	X	21%	16
Features in Learning Environment	63	X	13%	8
Operational Utility	64	X	14%	9
Educational Specification Score:				54

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	99
Mechanical	98
Fire Protection	99
Electrical	95
Communications	98
Safety and Security	100
Structural	99
5-YR FCI Score, buildings only: 98	
Civil	100
5-YR FCI Score including Civil: 99	

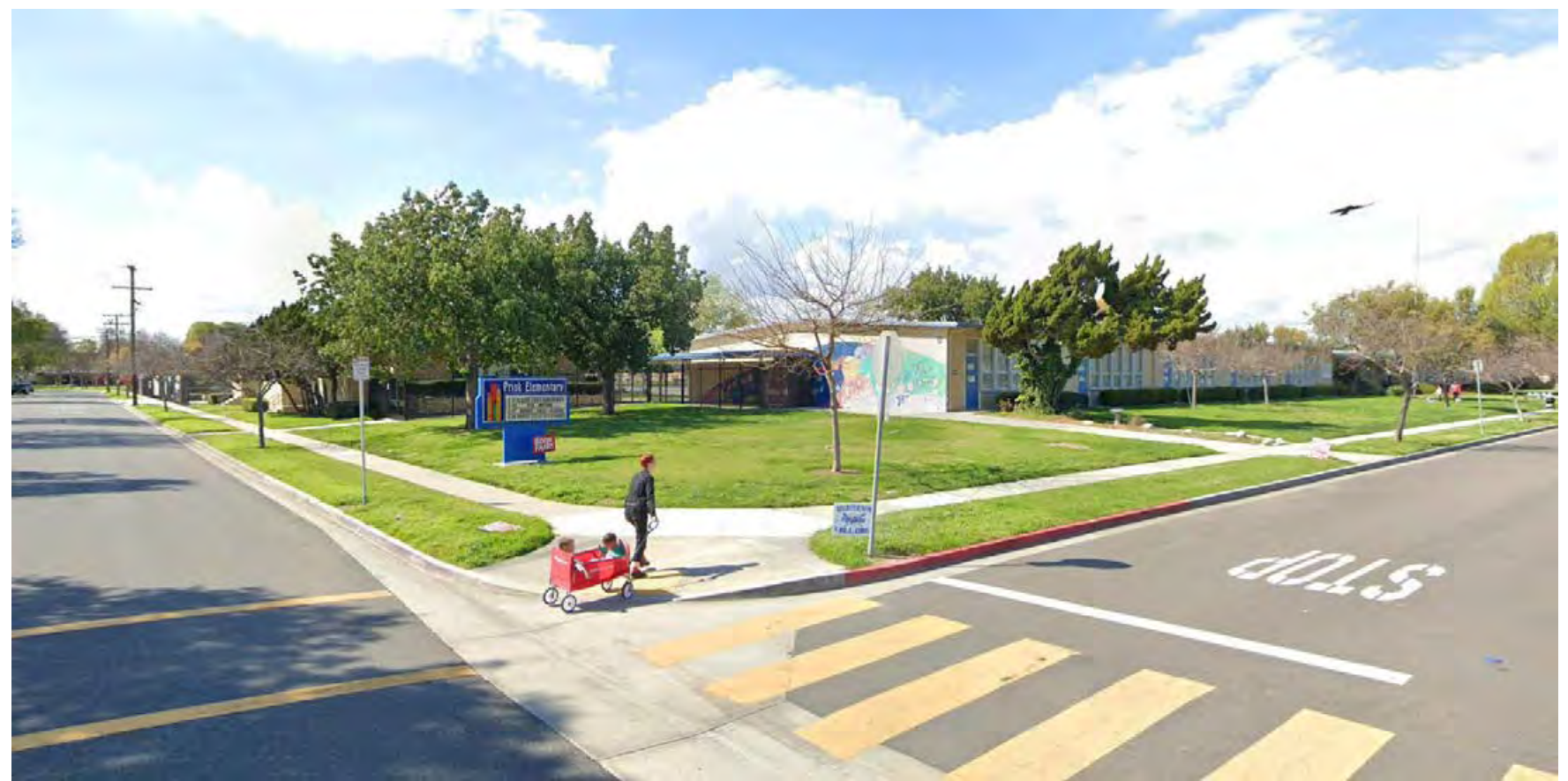


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
486	426	-60	-12%	770 428	55%	344	100	292 60%	195 40%	487	292 82%	64 18%	356	131 37%	38% 474

William F. Prisk Elementary School – Facts & Figures

<p>Location 2375 Fanwood Avenue Long Beach CA 90815 562.598.9601</p>	<p>Total Campus Area 10.3 Acres</p>	<p>Years Constructed 1953, 1955, 1968, 1987, 1988, 1997</p>	<p>Total Parking 31 Stalls</p>	<p>Total Building Area Permanent Construction 49,635 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 486</p>	<p>Factored Capacity 1,197</p>	<p>Permanent Capacity 770 Temporary Capacity 428</p>	<p>Total Building Area Portables 14,400 SF</p>



William F. Prisk Elementary School – Existing Campus

Facility Condition (by Bldg)

Good	0.00 – 0.05	AB300
Fair	0.06 – 0.10	
Poor	0.11 – 0.30	
Critical	0.31 – 0.50	
Divest	0.51 – 1.0	

Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Lack of natural elements at Kinder outdoor area
- C** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



William F. Prisk Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	27	25,598
Portable Classrooms	15	14,400
◀ CAFM Designated Classroom w/Alt Use	1	
Total Existing	43	39,998

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	486	1:30
Factored Capacity	1,197	

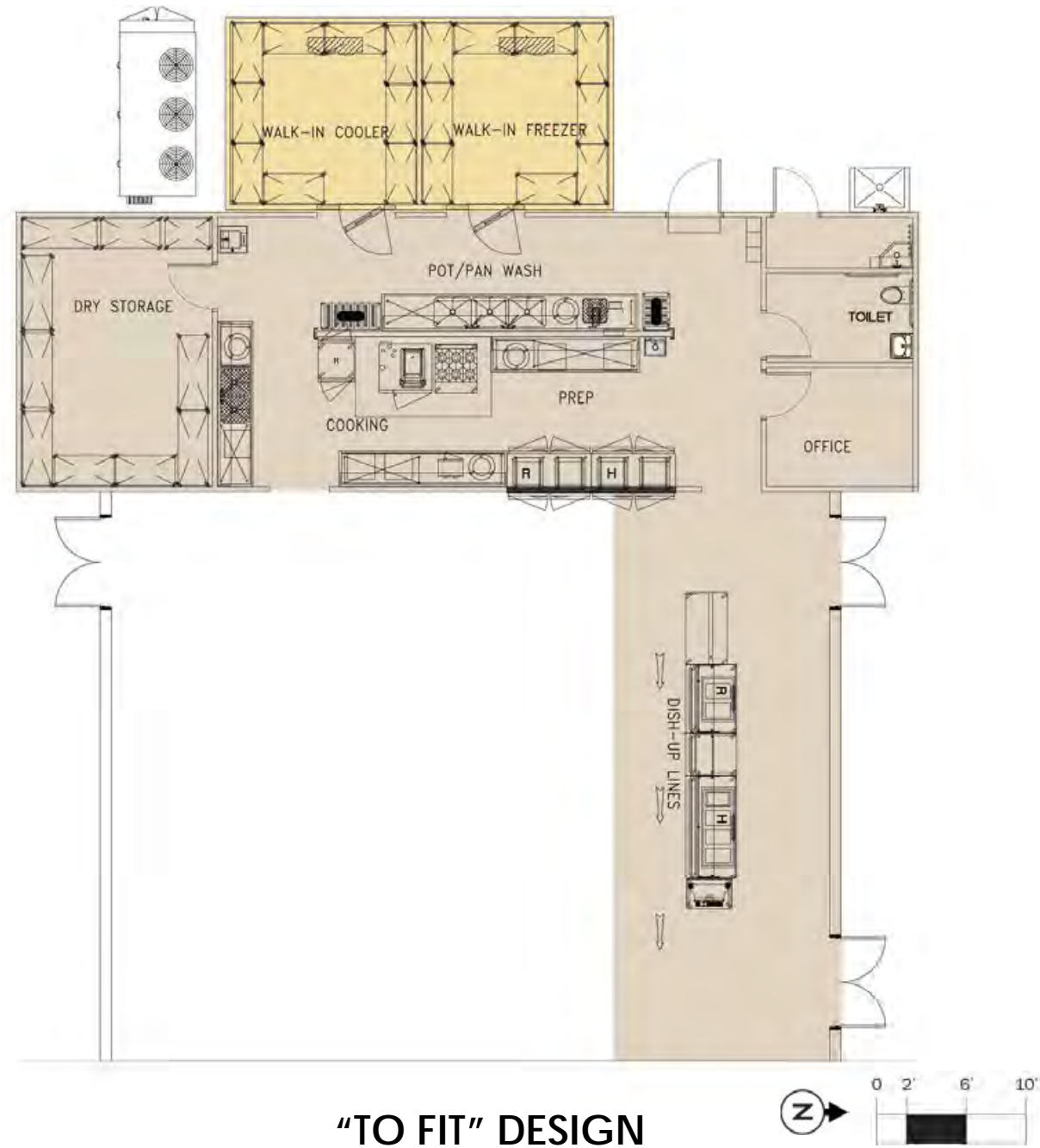
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	17
Current Classroom Count	43

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,038 SF	2,440 SF
Auditorium	3,578 SF	2,977 SF
Library	1,586 SF	1,610 SF
Nutrition Services		
Cafeteria	2,052 SF	1,659 SF
Food Service	718 SF	1,269 SF
Lunch Shelter	820 SF	1,464 SF
Site		
Playground	6.2 Acres	1.4 Acres
Parking	31 Stalls	39 Stalls



William F. Prisk Elementary School – Nutrition Services Plan 2022-2032



"TO FIT" DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

Summary Improvement Plan

Overall Evaluation:

At 718 square feet (including the Dry Storage area), the Prisk Elementary School kitchen is undersized. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Prisk Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled and reheated product is also inadequate. The service aisle is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by a walk-in cooler and walk-in freezer. It is supplemented by (1) refrigerated unit within the kitchen space and (3) milk coolers in the cafeteria. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. The floor sink below the pot wash sink is not accessible for cleaning. The location of the equipment below the exhaust hood renders the hood non-compliant. The placement of the equipment does not allow the fire suppression system to provide full coverage for the range. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



Riley Elementary

3319 Sandwood Street
Lakewood, CA 90712

Planning Area
Area B Lakewood
School #
6015598

Educational Specification
School Input Incomplete

Facility Condition
98

Capacity Utilization
100



BUILDING DATA

Year Constructed
1952

Gross S.F.
50,035

Permanent Building Count
5

Oldest Building
1952

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	98
Plumbing	92
Mechanical	99
Fire Protection	99
Electrical	87
Communications	99
Safety and Security	100
Structural	99
5-YR FCI Score, buildings only: 97	
Civil	100
5-YR FCI Score including Civil: 98	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
334	318	-16	-5%	798	40%	480	159	179	338	159	74	233	105	27%
				570			47%	53%		68%	32%		45%	581

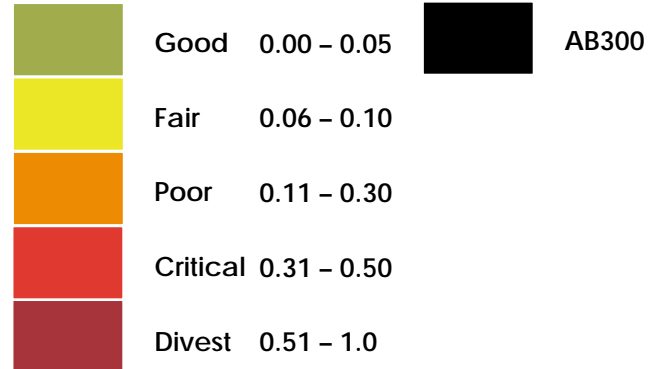
James Whitcomb Riley Elementary School – Facts & Figures

<p>Location 3319 Sandalwood Street Lakewood CA 90712 562.420.9595</p>	<p>Total Campus Area 11.11 Acres</p>	<p>Years Constructed 1952, 1953, 1955, 1965, 1968, 1988, 1991, 1997</p>	<p>Total Parking 21 Stalls</p>	<p>Total Building Area Permanent Construction 50,035 SF</p>
<p>Type K-5</p>	<p>2021-2022 Enrollment 334</p>	<p>Factored Capacity 1,368</p>	<p>Permanent Capacity 798 Temporary Capacity 570</p>	<p>Total Building Area Portables 18,240 SF</p>



James Whitcomb Riley Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Lack of shade trees at play area
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



James Whitcomb Riley Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	21	20,160
Portable Classrooms	20	18,240
◀ CAFM Designated Classroom w/Alt Use	6	4,695
Total Existing	47	43,095

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	334	1:30
Factored Capacity	1,368	

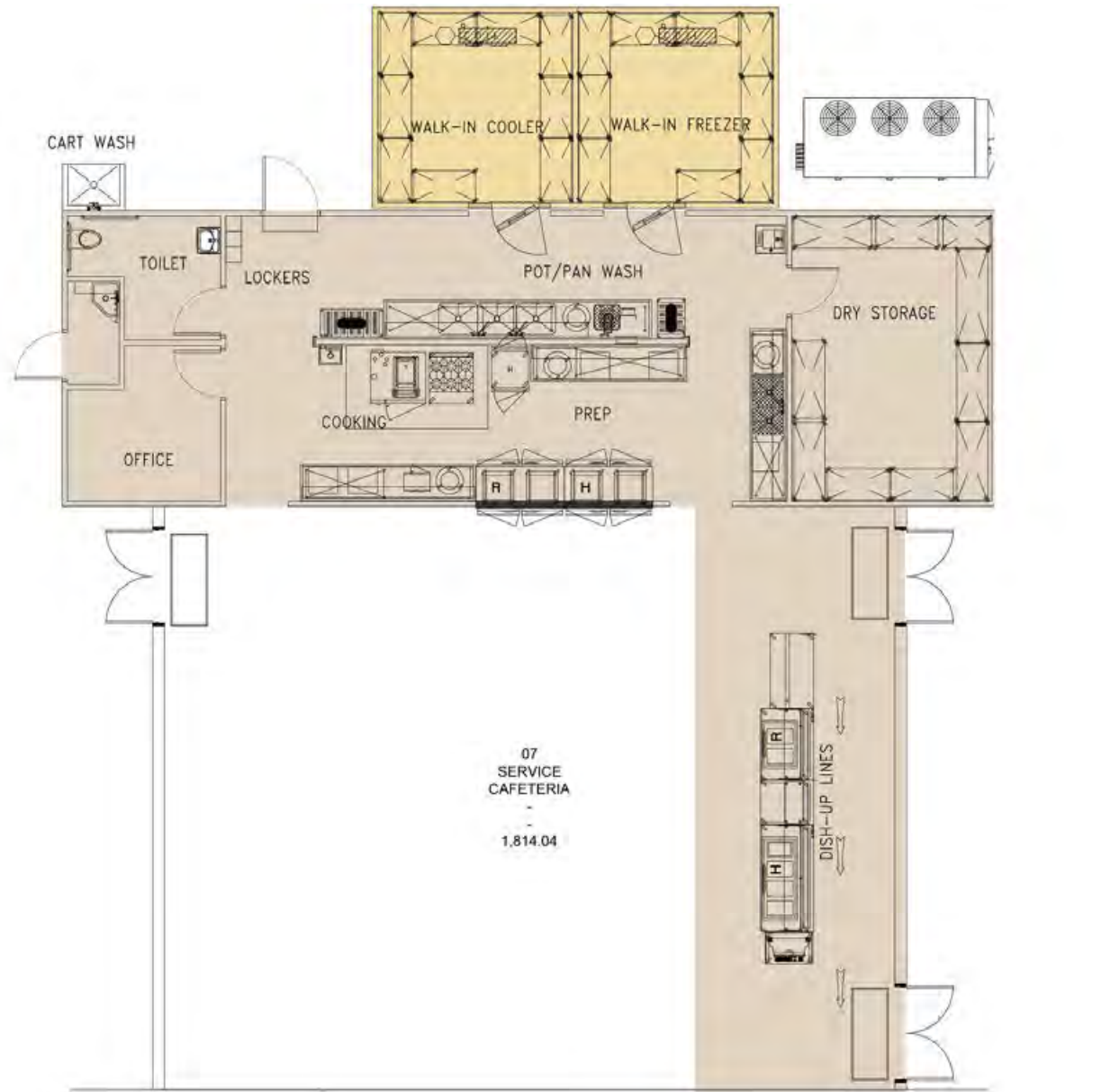
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	12
Current Classroom Count	47

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,324 SF	1,715 SF
Auditorium	4,117 SF	2,092 SF
Library	1,613 SF	1,131 SF
Nutrition Services		
Cafeteria	1,814 SF	1,166 SF
Food Service	718 SF	892 SF
Lunch Shelter	N/A	1,029 SF
Site		
Playground	5.8 Acres	1.4 Acres
Parking	21 Stalls	27 Stalls



James Whitcomb Riley Elementary School – Nutrition Services Plan 2022-2032 Elementary Schools



"TO FIT" DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

Summary Improvement Plan

Overall Evaluation:

At 718 square feet (including the Dry Storage area), the Riley Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Riley Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (4) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood window mullions above the pot sink and the wood guillotine style door near the disposer are not EHS code compliant. A non-combustible wall finish is required behind the cooking equipment. Wall flashing is also required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. There is an electrical stub-up in the middle of the floor. This is a risk management issue. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



Roosevelt Elementary

1574 Linden Avenue
Long Beach, CA 90813

Planning Area
Area E Polytechnic
School #
6015606

Educational Specification
School Input Incomplete

Facility Condition
100

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	122,000	2	1935	1949

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program	School Input Incomplete		
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	100
Civil	100
5-YR FCI Score including Civil:	100



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
891	800	-91	-10%	1,208 0	66%	408	100	801 91%	80 9%	881	801 82%	170 18%	971	-90 -9%	73% 328

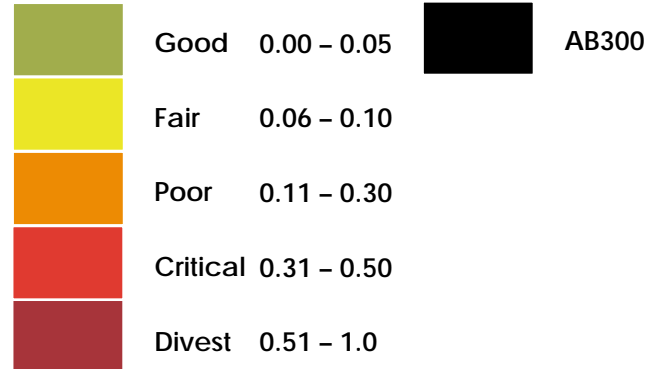
Theodore Roosevelt Elementary School – Facts & Figures

<p>Location 1574 Linden Avenue Long Beach CA 90813 562.599.1888</p>	<p>Total Campus Area 3.85 Acres</p>	<p>Years Constructed 1935, 1949, 1952, 1954, 1966, 1967, 1969, 1994, 1997</p>	<p>Total Parking 65 Stalls</p>	<p>Total Building Area Permanent Construction 36,103 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 891</p>	<p>Factored Capacity 1,208</p>	<p>Permanent Capacity 1,208 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Theodore Roosevelt Elementary School – Existing Campus

Facility Condition (by Bldg)



Theodore Roosevelt Elementary School – Existing Space Utilization

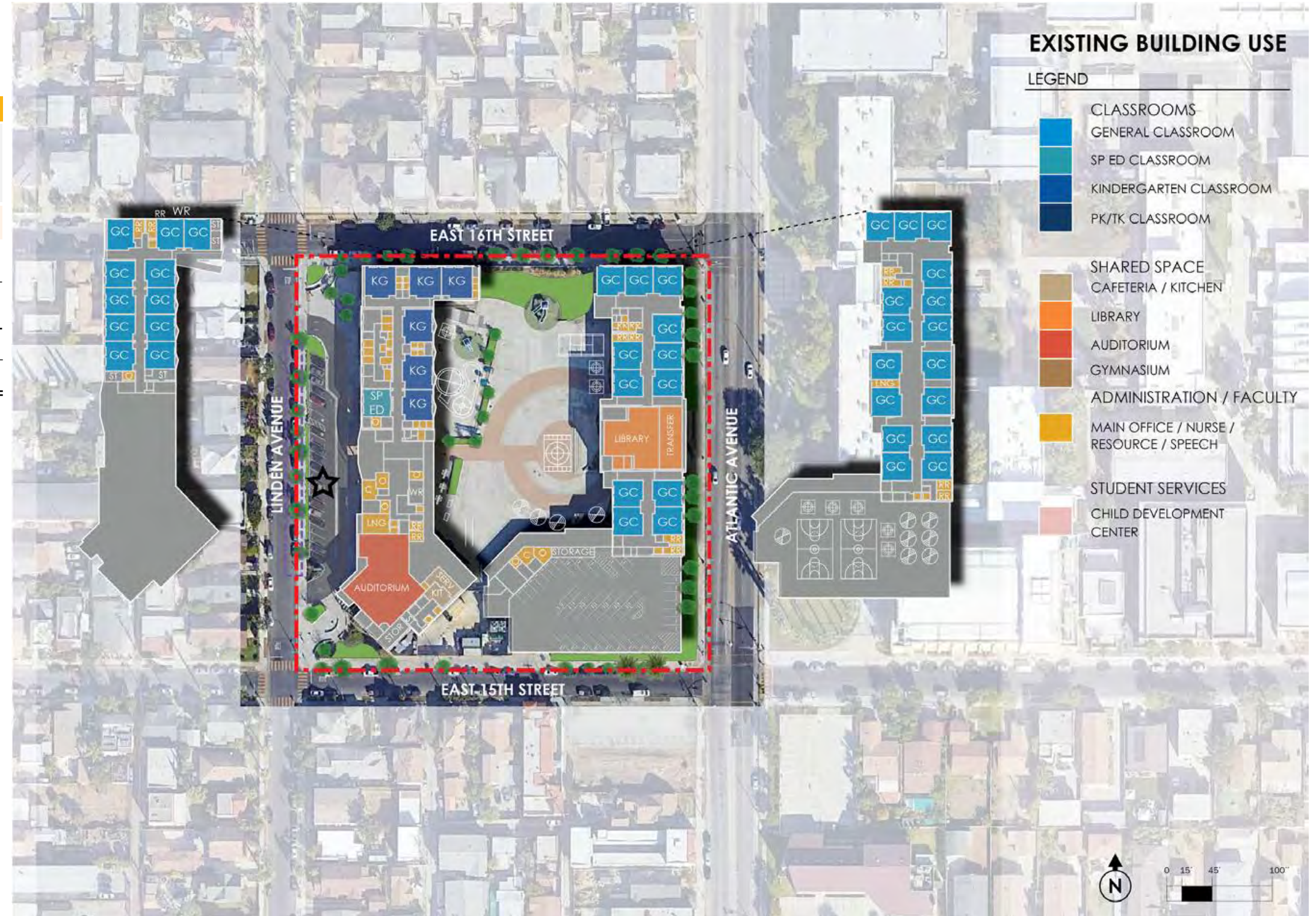
Core Facilities Data

Existing Classroom Count

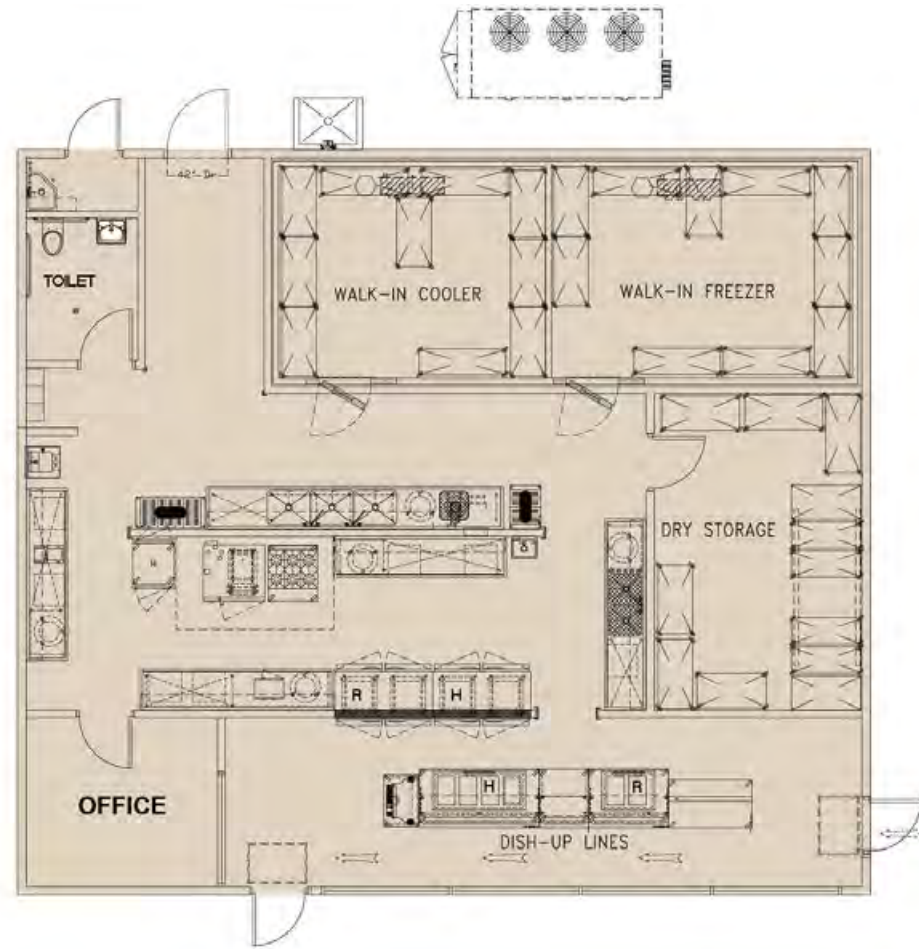
Type	#	Total SF
Permanent Classrooms	45	44,772
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	45	44,772

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	891	1:30
Factored Capacity	1,208	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		30
Current Classroom Count		45



Theodore Roosevelt Elementary School – Nutrition Services Plan 2022-2032

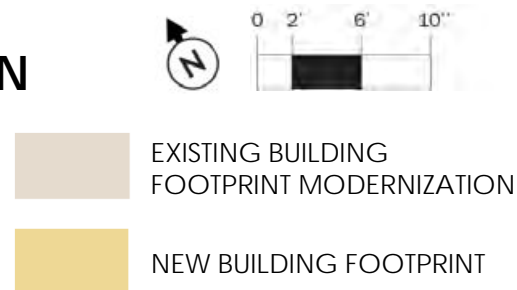


Summary Improvement Plan

Overall Evaluation:

At an all-inclusive 2036 square feet, the kitchen at Roosevelt Elementary School is large and adequate to serve the student population and daily meal units. At the time of site visit, the servery area was not ADA compliant. The configuration of the equipment does not provide adequately wide aisles, however, the equipment is mobile, and this can be easily remedied. One milk cooler was "Out of Service" at time of site visit. The cafeteria was locked at the time of site visit and therefore cannot be evaluated. The Roosevelt Elementary School kitchen has been updated and upgraded to comply with current codes.

PROTOTYPE DESIGN





Signal Hill Elementary

2285 Walnut Avenue
Signal Hill, CA 90755

Planning Area
Area E Polytechnic
School #
6015614

Educational Specification
School Input Incomplete

Facility Condition
91

Capacity Utilization
60



BUILDING DATA

Year Constructed
1980

Gross S.F.
30,940

Permanent Building Count
4

Oldest Building
1980

Newest Building
1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	91
Plumbing	89
Mechanical	42
Fire Protection	93
Electrical	81
Communications	100
Safety and Security	71
Structural	100
5-YR FCI Score, buildings only:	84
Civil	100
5-YR FCI Score including Civil:	91



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
670	597	-73	-11%	428	140%	-170	60	520	152	672	520	121	641	31	133%
				542				77%	23%		81%	19%		5%	-141

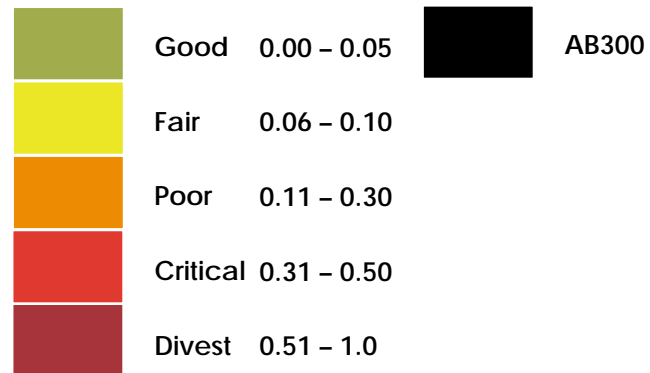
Signal Hill Elementary School – Facts & Figures

<p>Location 2285 Walnut Avenue Signal Hill CA 90755 562.426.8170</p>	<p>Total Campus Area 9.93 Acres</p>	<p>Years Constructed 1980, 1996</p>	<p>Total Parking 54 Stalls</p>	<p>Total Building Area Permanent Construction 25,188 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 670</p>	<p>Factored Capacity 969</p>	<p>Permanent Capacity 428 Temporary Capacity 542</p>	<p>Total Building Area Portables 22,304 SF</p>



Signal Hill Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- C** Visibility of outdoor Kinder play from street
- D** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Signal Hill Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	14	13,421
Portable Classrooms	19	18,464
◀ CAFM Designated Classroom w/Alt Use	7	6,720
Total Existing	40	38,605

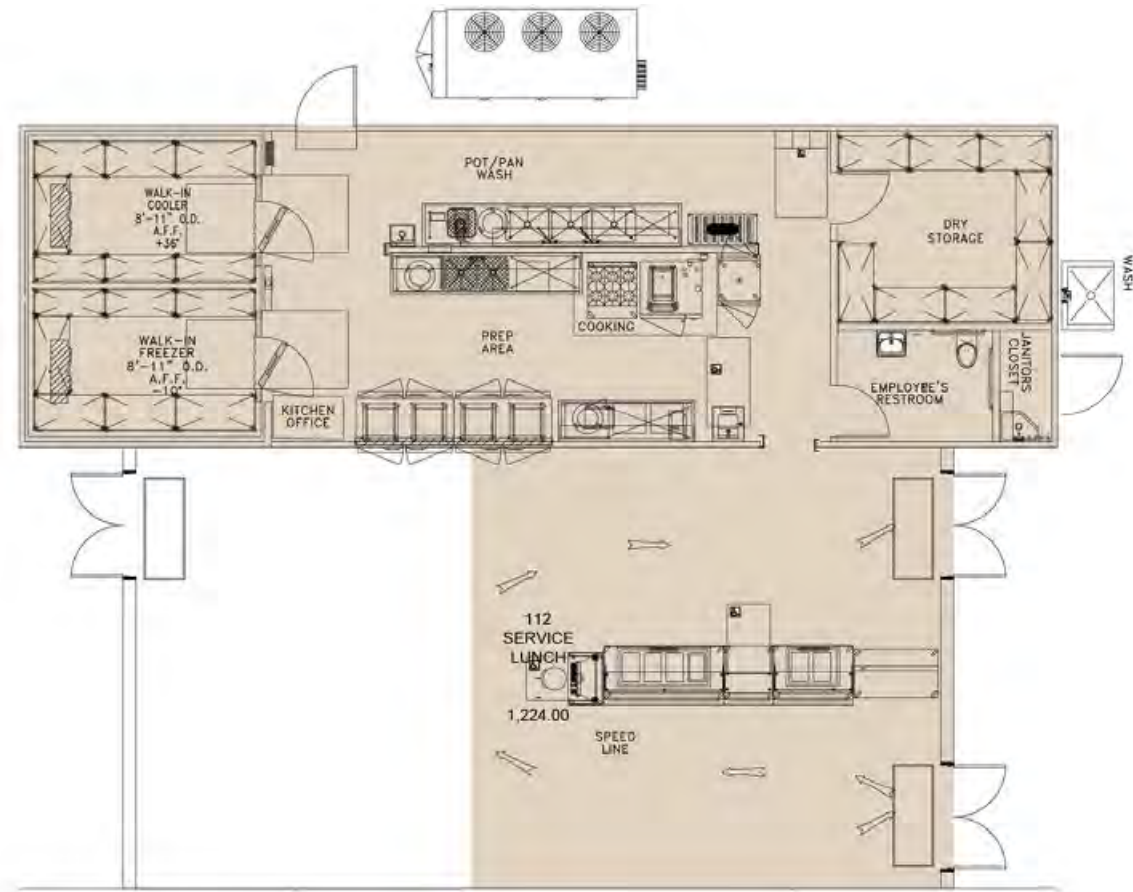
Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	670	1:30
Factored Capacity	969	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		23
Current Classroom Count		40

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,204 SF	2,527 SF
Auditorium	2,734 SF	3,961 SF
Library	1,450 SF	2,049 SF
Nutrition Services		
Cafeteria	1,224 SF	2,322 SF
Food Service	735 SF	1,298 SF
Lunch Shelter	N/A	2,049 SF
Site		
Playground	4.9 Acres	1.7 Acres
Parking	54 Stalls	58 Stalls



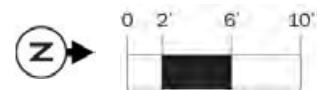


Summary Improvement Plan

Overall Evaluation:

At 735 square feet (including the Dry Storage area), the Signal Hill Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Signal Hill Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood service cabinet, the wood stanchions on the food guards and the exposed wood guillotine style door near the disposer are not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. The type II exhaust hood is not code compliant. A type I exhaust hood with a UL 300 Fire Suppression System is required. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Bobbie Smith Elementary

565 East Hill Street
Long Beach, CA 90806

Planning Area
Area E Polytechnic
School #
6015200

Educational Specification 61	Facility Condition 88	Capacity Utilization 48
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Educational Specification Legend

- 0 - 50 Critical
- 51 - 60 Poor
- 61 - 70 Fair
- 71 - 80 Good
- 81 - 100 Excellent

Facility Condition Legend

- 0 - 69 Critical
- 70 - 89 Poor
- 90 - 94 Fair
- 95 - 99 Good
- 100 Excellent

Capacity / Utilization (Projected) Legend

- 0% - 80% Under-Utilized
- 80% - 100% Preferred Utilization
- 100% - 115% Over-Utilized
- 115% - 130% Very Over-Utilized
- 130% + Severely Over-Utilized

BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1934	34,805	5	1934	1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	17	X	22%	4
Relationships and Collaboration	60	X	15%	9
Wellness	55	X	15%	8
Safety and Security	82	X	21%	17
Features in Learning Environment	49	X	13%	6
Operational Utility	44	X	14%	6
Educational Specification Score:				51

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	84
Plumbing	90
Mechanical	51
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	86
Civil	100
5-YR FCI Score including Civil:	88

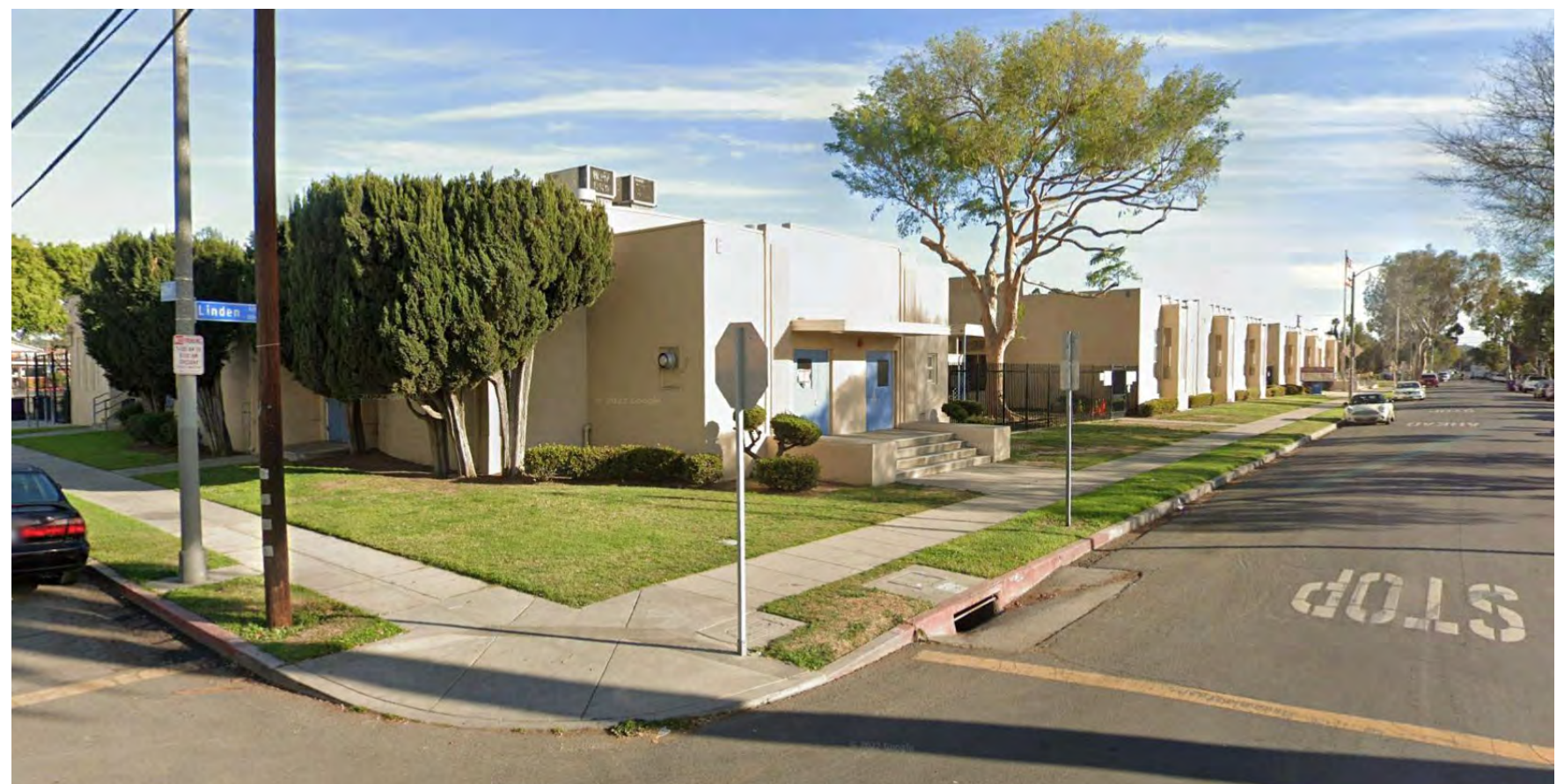


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) = (c) / (a)	(e)	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h)	(l)	(m) = (k) + (l)	(n) = (l) - (i)	(o) = (m+c) / (e)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
698	622	-76	2%	410	152%	-212	627	81	708	627	159	786	-78	173%
				656			89%	11%		80%	20%		-10%	-300

Bobbie Smith Elementary School – Facts & Figures

<p>Location 565 East Hill Street Long Beach CA 90806 562.595.9466</p>	<p>Total Campus Area 3.61 Acres</p>	<p>Years Constructed 1934, 1949, 1952, 1966, 1977, 1993, 2000</p>	<p>Total Parking 42 Stalls</p>	<p>Total Building Area Permanent Construction 38,722 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 698</p>	<p>Factored Capacity 1,066</p>	<p>Permanent Capacity 410 Temporary Capacity 656</p>	<p>Total Building Area Portables 24,960 SF</p>



Bobbie Smith Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

- A** Vehicular interface logistics with students crossing 23rd Street to access play yard

Activity Zones – Academic Buildings

- B** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

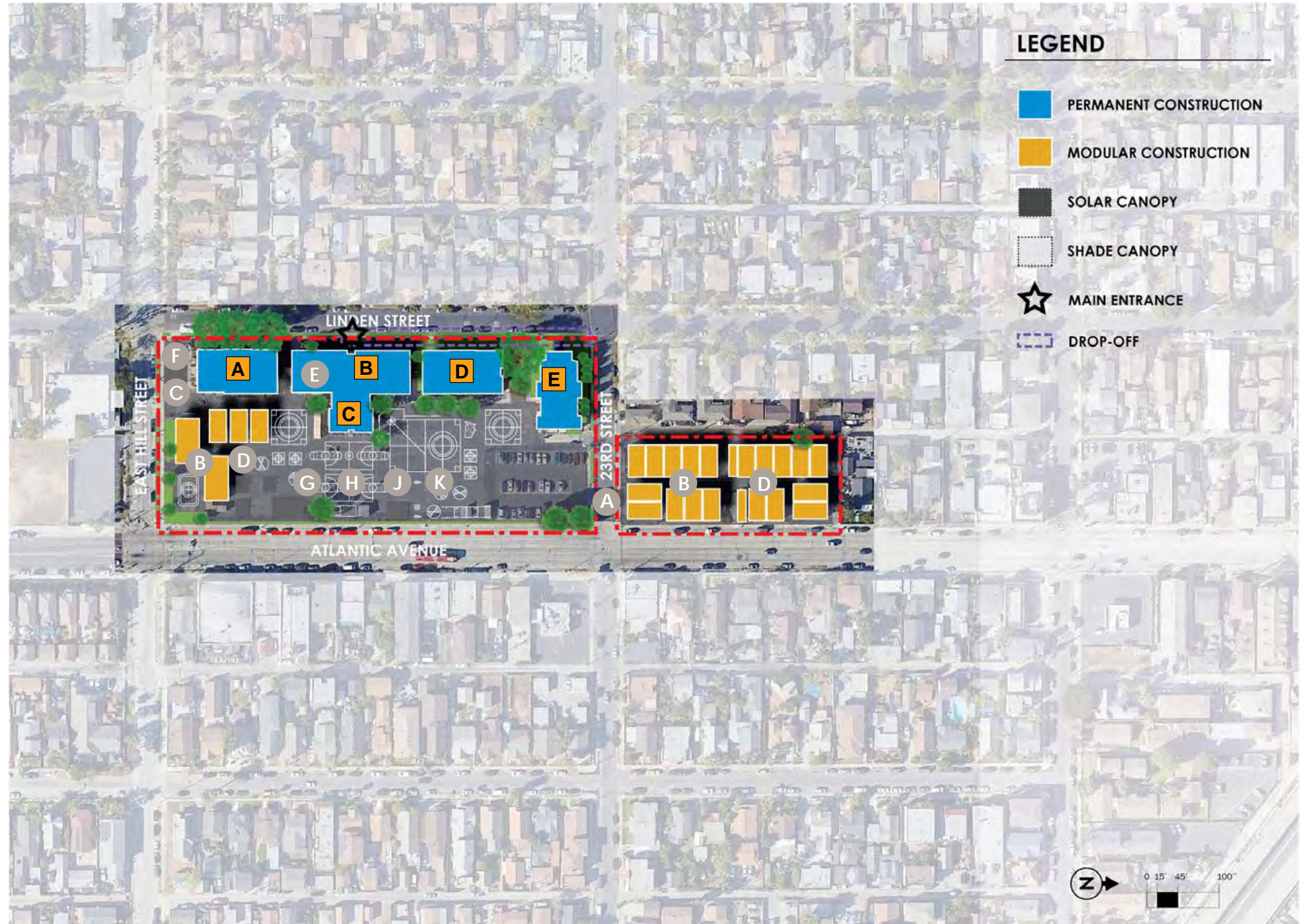
- C** Lack of natural elements at Kinder outdoor area

- D** Large number of students located in portables compared to number of students in permanent buildings

- E** Lack of Kinder direct access to play area

Activity Zone – Athletics/Physical Education

- F** Visibility of outdoor Kinder play from street
- G** Lack of lawn/turf area at main play area
- H** Lack of adequate apparatus play zone for younger learners
- J** Lack of shade trees at play area
- K** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Bobbie Smith Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

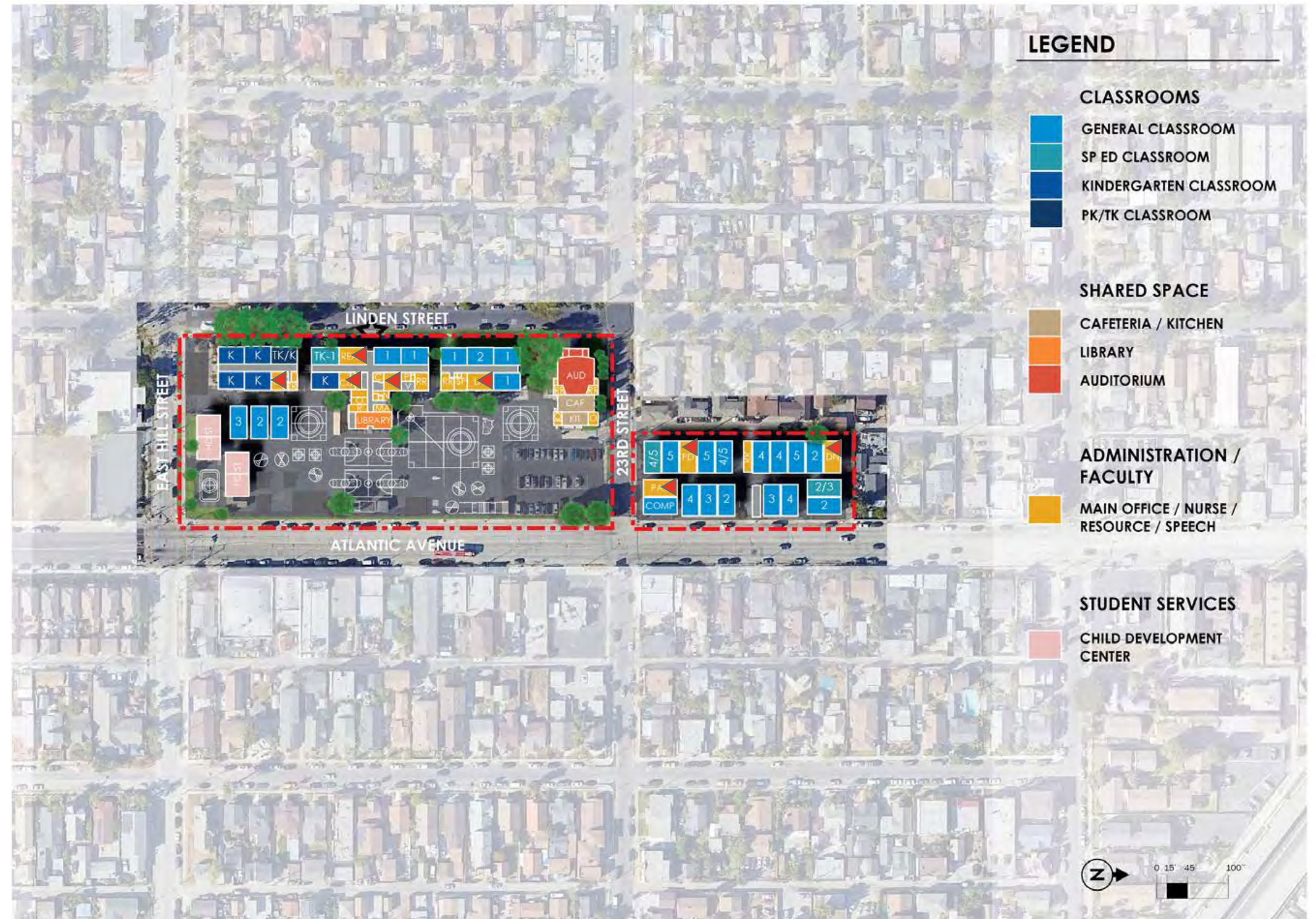
Type	#	Total SF
Permanent Classrooms	13	10,490
Portable Classrooms	23	22,080
◀ CAFM Designated Classroom w/Alt Use	8	7,680
Total Existing	44	40,250

Enrollment & Capacity

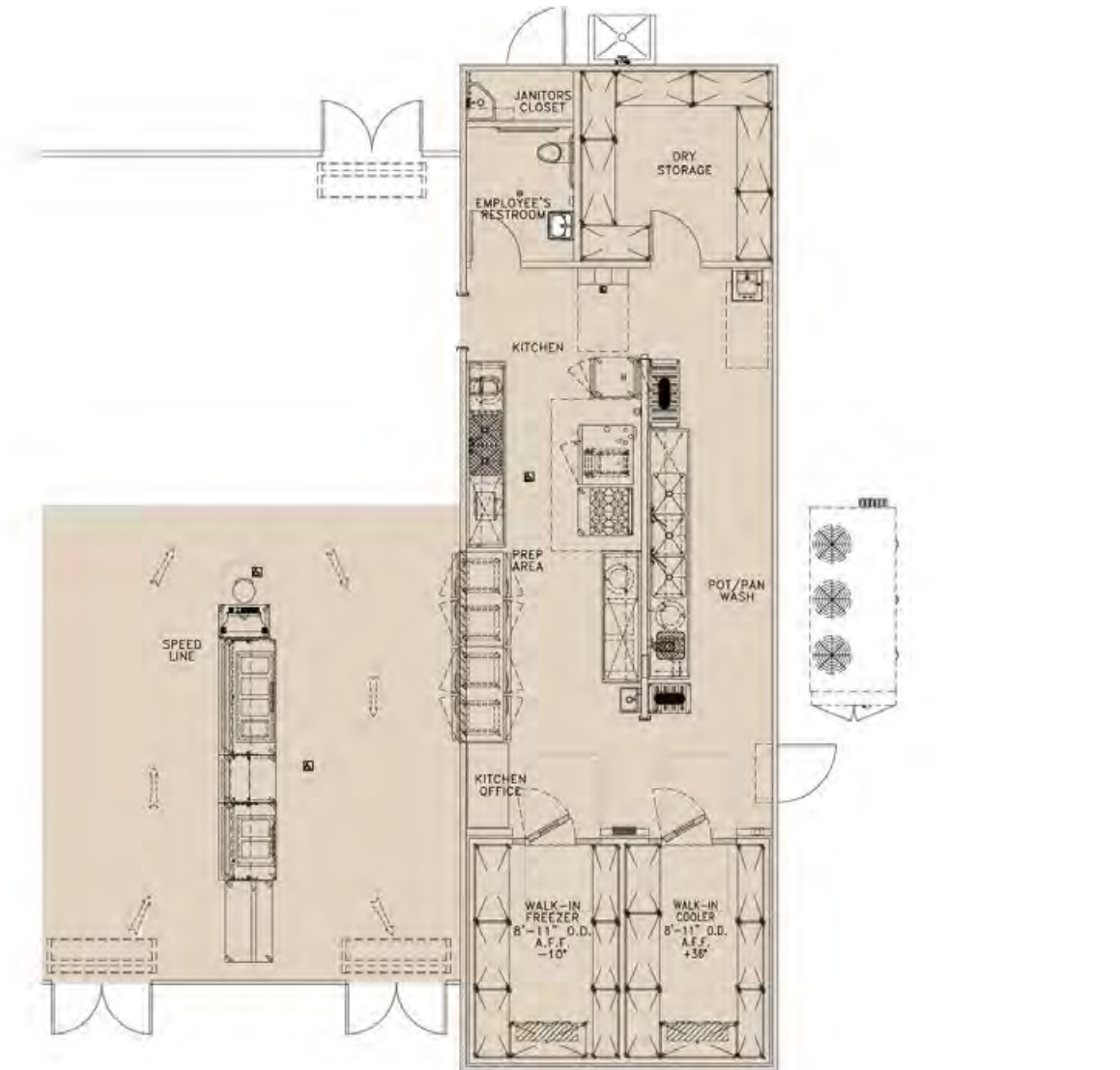
	Student Count	Loaded Clrm
2021-2022 Enrollment	698	1:30
Factored Capacity	1,066	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		23
Current Classroom Count		44

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,347 SF	2,708 SF
Auditorium	4,102 SF	4,246 SF
Library	1,525 SF	2,196 SF
Nutrition Services		
Cafeteria	1,250 SF	2,489 SF
Food Service	733 SF	1,391 SF
Lunch Shelter	----	2,196 SF
Site		
Playground	2.1 Acres	1.7 Acres
Parking	42 Stalls	52 Stalls



Burnette Smith Elementary School – Nutrition Services Plan 2022-2032

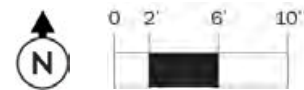


Summary Improvement Plan

Overall Evaluation:

At 733 square feet (including the Dry Storage area), the Smith Elementary School kitchen is small and cramped. Though recently renovated as part of the LBUSD HVAC Construction project, the food service areas at Smith Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. There are (2) exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Stevenson Elementary

515 Lime Avenue
Long Beach, CA 90802

Planning Area
Area E Polytechnic
School #
6015622

Educational Specification
56

Facility Condition
96

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1934	41,355	3	1934	1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	39	X	22%	9
Relationships and Collaboration	59	X	15%	9
Wellness	57	X	15%	9
Safety and Security	76	X	21%	16
Features in Learning Environment	54	X	13%	7
Operational Utility	52	X	14%	7
Educational Specification Score:				56

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	97
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	71
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only: 95	
Civil	100
5-YR FCI Score including Civil: 96	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
518	477	-41	-8%	599 228	80%	122	100	429	87	516	429	120	549	-33	85%
								83%	17%		78%	22%		-6%	91

Robert Louis Stevenson Elementary School – Facts & Figures

<p>Location 515 Lime Avenue Long Beach CA 90802 562.437.0407</p>	<p>Total Campus Area 2.61 Acres</p>	<p>Years Constructed 1934, 1950, 1966, 1968, 1993</p>	<p>Total Parking 23 Stalls</p>	<p>Total Building Area Permanent Construction 41,355 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 518</p>	<p>Factored Capacity 1,827</p>	<p>Permanent Capacity 599 Temporary Capacity 228</p>	<p>Total Building Area Portables 7,680 SF</p>



Robert Louis Stevenson Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

Activity Zone – Athletics/Physical Education

- B** Visibility of outdoor Kinder play from street
- C** Lack of lawn/turf area at main play area
- D** Lack of shade trees at play area
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Robert Louis Stevenson Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	27	20,472
Portable Classrooms	8	7,680
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	35	28,152

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	518	1:30
Factored Capacity	1,827	

New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	18
Current Classroom Count	35

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,185 SF	2,610 SF
Auditorium	3,181 SF	3,184 SF
Library	2,064 SF	1,723 SF
Nutrition Services		
Cafeteria	1,233 SF	1,775 SF
Food Service	719 SF	1,357 SF
Lunch Shelter	820 SF	1,566 SF
Site		
Playground	1.1 Acres	1.4 Acres
Parking	23 Stalls	41 Stalls

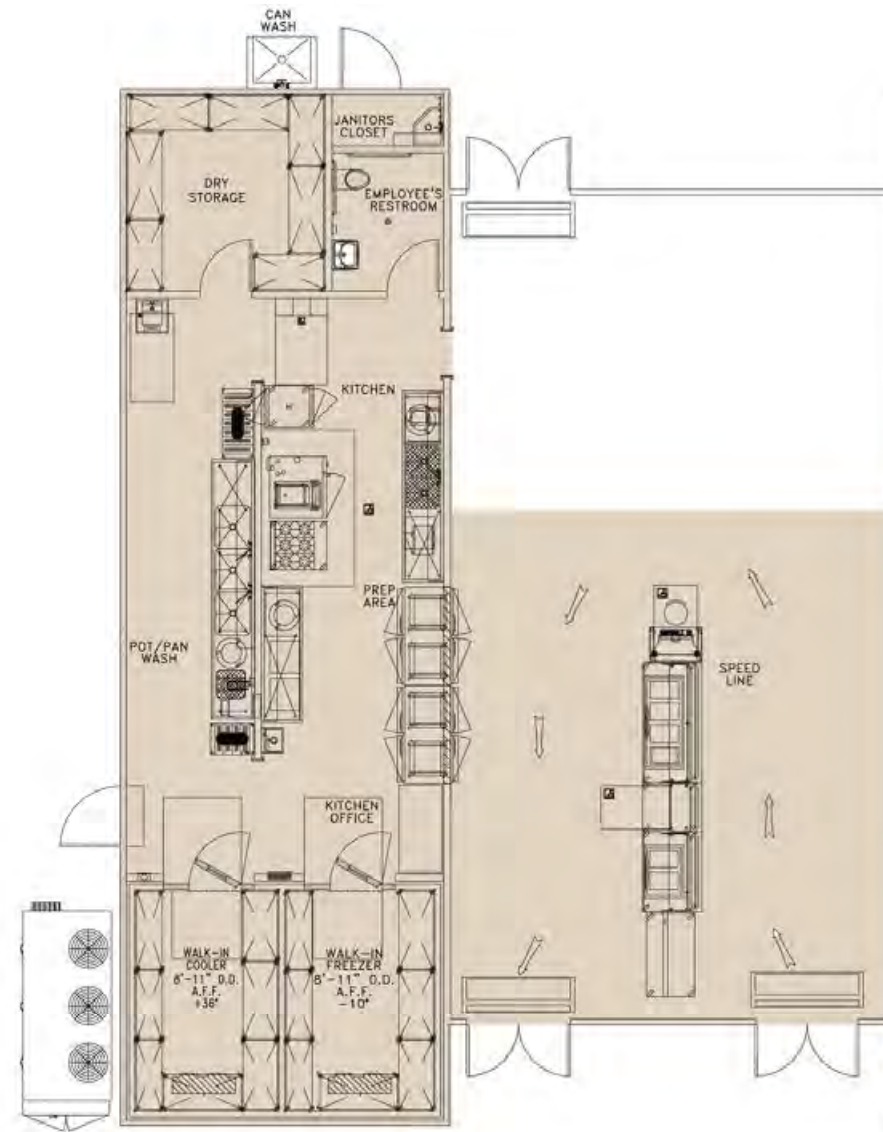


Robert Louis Stevenson Elementary School – Nutrition Services Plan

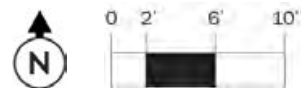
Summary Improvement Plan

Overall Evaluation:

At 719 square feet (including the Dry Storage area), the Stevenson Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Stevenson Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood tray rail, the wood stanchions on the food guards, the employee storage cabinet and the exposed wood guillotine style door near the disposer are not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Code requires air curtains cover the full width of the door opening below. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



“TO FIT” DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Twain Elementary

5021 East Centralia Street
Long Beach, CA 90808

Planning Area
Area B Lakewood
School #
6015663

Educational Specification
48

Facility Condition
90

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	54,445	6	1935	1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	33	X	22%	7
Relationships and Collaboration	33	X	15%	5
Wellness	34	X	15%	5
Safety and Security	76	X	21%	16
Features in Learning Environment	52	X	13%	7
Operational Utility	55	X	14%	8
Educational Specification Score:				48

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	84
Plumbing	89
Mechanical	82
Fire Protection	99
Electrical	45
Communications	99
Safety and Security	68
Structural	94
5-YR FCI Score, buildings only:	
	82
Civil	100
5-YR FCI Score including Civil:	
	90



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
447				792 314	100%		100	321 71%	130 29%	451	321 80%	80 20%	401	50 12%	

Mark Twain Elementary School – Facts & Figures

<p>Location 5021 East Centralia Street Long Beach CA 90808 562.421.8421</p>	<p>Total Campus Area 14.59 Acres</p>	<p>Years Constructed 1935, 1940, 1942, 1949, 1955, 1967, 1968, 1988, 1995, 1996</p>	<p>Total Parking 75 Stalls</p>	<p>Total Building Area Permanent Construction 54,445 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 447</p>	<p>Factored Capacity 1,106</p>	<p>Permanent Capacity 792 Temporary Capacity 314</p>	<p>Total Building Area Portables 9,934 SF</p>



Mark Twain Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

B Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

Activity Zone – Athletics/Physical Education

C Visibility of outdoor Kinder play from street

D Lack of shade trees at play area

E Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Mark Twain Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	27	28,032
Portable Classrooms	11	9,934
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	38	37,966

Enrollment & Capacity

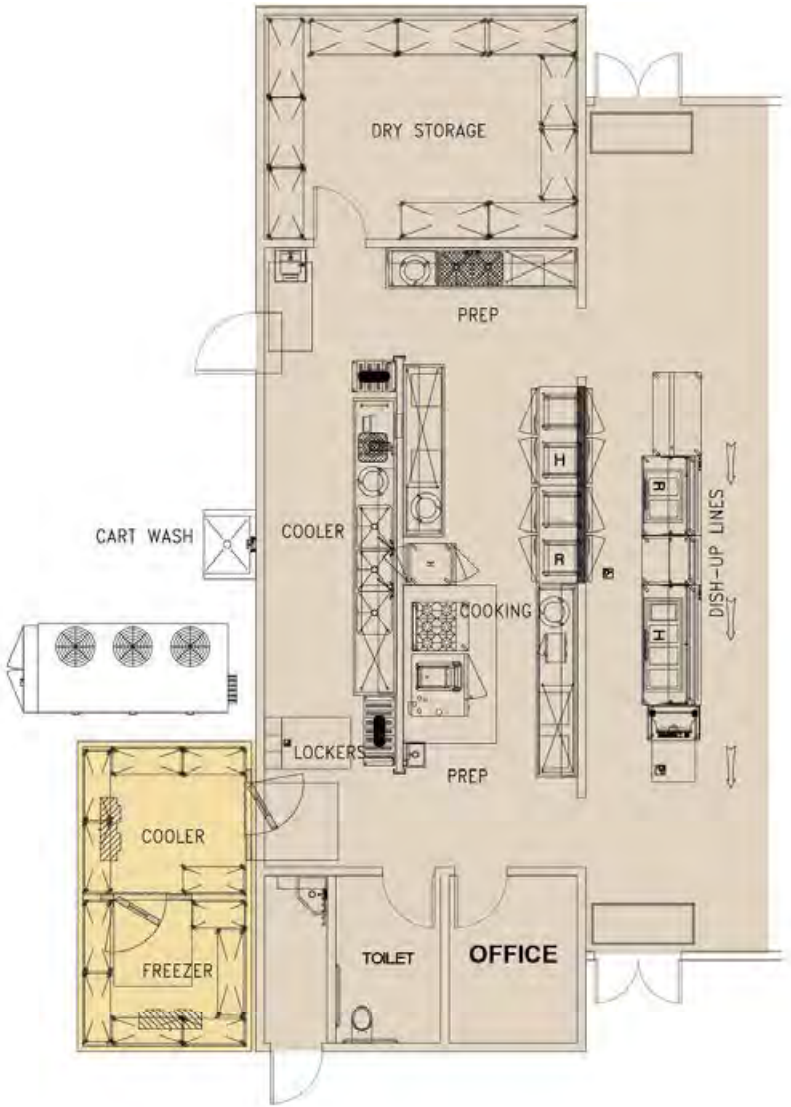
	Student Count	Loaded Clsm
2021-2022 Enrollment	447	1:30
Factored Capacity	1,106	
New Classrooms to Be Constructed		---
Total # Loaded Classrooms Required		16
Current Classroom Count		38

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,211 SF	2,260 SF
Auditorium	3,526 SF	3,367 SF
Library	1,542 SF	1,822 SF
Nutrition Services		
Cafeteria	1,842 SF	1,537 SF
Food Service	741 SF	1,435 SF
Lunch Shelter	N/A	1,656 SF
Site		
Playground	8.0 Acres	1.4 Acres
Parking	75 Stalls	36 Stalls



Mark Twain Elementary School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

At 741 square feet (including the Dry Storage area), the Twain Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Twain Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. There are (3) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. The roll-in refrigerator has no exterior ramps. In the employee restroom, the janitors sink is right next to the hand sink with no divider between them. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. This hood does not meet these requirements and is undersized for the existing equipment. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Webster Elementary

1755 West 32nd Way
Long Beach, CA 90810

Planning Area
Area D Cabrillo
School #
6015671

Educational Specification
51

Facility Condition
81

Capacity Utilization
91



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1951	38,211	4	1951	1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	22	X	22%	5
Relationships and Collaboration	42	X	15%	6
Wellness	40	X	15%	6
Safety and Security	76	X	21%	16
Features in Learning Environment	61	X	13%	8
Operational Utility	74	X	14%	10
Educational Specification Score:				51

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	63
Plumbing	91
Mechanical	70
Fire Protection	82
Electrical	58
Communications	77
Safety and Security	100
Structural	79
5-YR FCI Score, buildings only:	
	69
Civil	100
5-YR FCI Score including Civil:	
	81

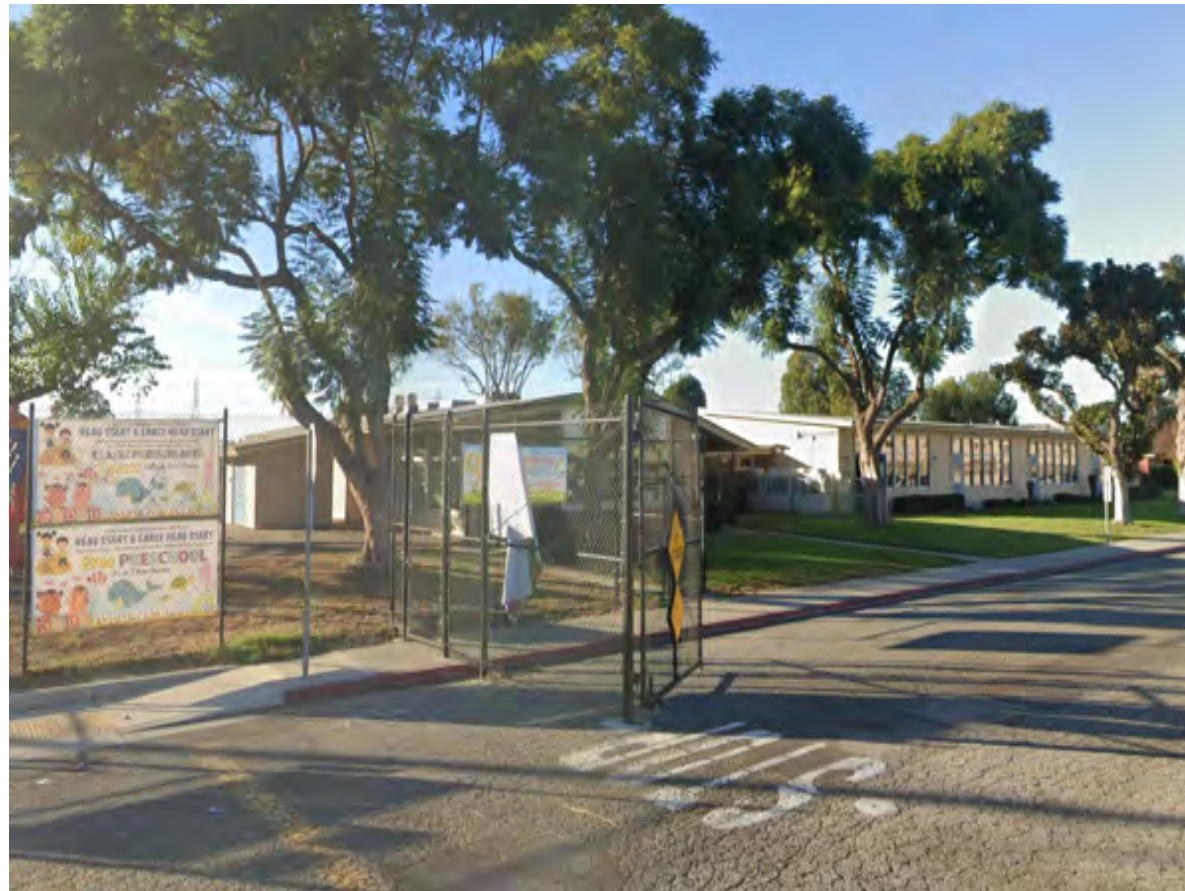


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
509	497	-12	-2%	456 1,026	109%	-41	91	392 77%	115 23%	507	392 75%	129 25%	521	-14 -3%	112% -53


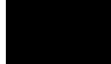




Daniel Webster Elementary School – Facts & Figures

<p>Location 1755 West 32nd Way Long Beach CA 90810 562.595.6568</p>	<p>Total Campus Area 12.71 Acres</p>	<p>Years Constructed 1951, 1955, 1968, 1969, 1987, 1988, 1991, 1994, 1997</p>	<p>Total Parking 75 Stalls</p>	<p>Total Building Area Permanent Construction 38,211 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 509</p>	<p>Factored Capacity 1,482</p>	<p>Permanent Capacity 456 Temporary Capacity 1,026</p>	<p>Total Building Area Portables 35,460 SF</p>



Daniel Webster Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings
- C** Lack of Kinder direct access to play area

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Lack of lawn/turf area at main play area
- F** Lack of shade trees at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Daniel Webster Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	9	8,334
Portable Classrooms	36	34,560
◀ CAFM Designated Classroom w/Alt Use	7	6,491
Total Existing	52	49,385

Enrollment & Capacity

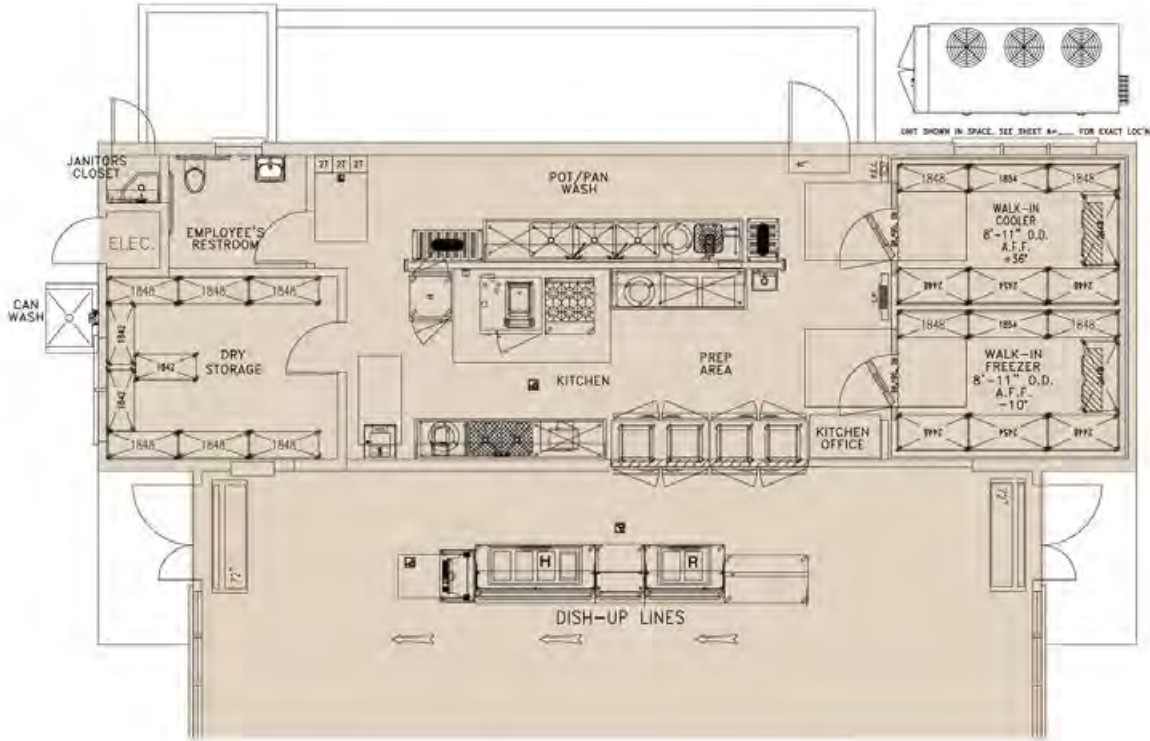
	Student Count	Loaded Clrm
2021-2022 Enrollment	509	1:30
Factored Capacity	1,482	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	19
Current Classroom Count	52

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,060 SF	2,600 SF
Auditorium	3,698 SF	3,172 SF
Library	1,480 SF	1,723 SF
Nutrition Services		
Cafeteria	1,886 SF	1,775 SF
Food Service	719 SF	1,357 SF
Lunch Shelter	820 SF	1,566 SF
Site		
Playground	5.7 Acres	1.4 Acres
Parking	75 Stalls	43 Stalls



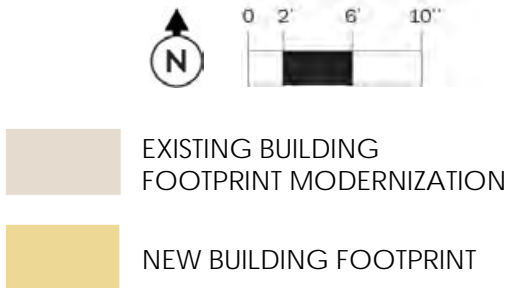


Summary Improvement Plan

Overall Evaluation:

At 719 square feet (including the Dry Storage area), the Webster Elementary School kitchen is small. Although recently remodeled, some of the old equipment has been utilized. The layout has remained essentially the same and therefore is still not ADA or EHS compliant. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor’s office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the production aiseways for the staff are undersized and do not meet ADA requirements. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. The air curtain in the kitchen is not full width and the air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should cover the full width of the opening below and be plunger activated to avoid the possibility of shutting them off while service is in process. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN





Whittier Elementary

1716 Walnut Ave
Long Beach, CA 90813

Planning Area
Area E Polytechnic
School #
6015689

Educational Specification 53	Facility Condition 83	Capacity Utilization 100
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Educational Specification Legend

- 0 - 50 Critical
- 51 - 60 Poor
- 61 - 70 Fair
- 71 - 80 Good
- 81 - 100 Excellent

Facility Condition Legend

- 0 - 69 Critical
- 70 - 89 Poor
- 90 - 94 Fair
- 95 - 99 Good
- 100 Excellent

Capacity / Utilization (Projected) Legend

- 0% - 80% Under-Utilized
- 80% - 100% Preferred Utilization
- 100% - 115% Over-Utilized
- 115% - 130% Very Over-Utilized
- 130%+ Severely Over-Utilized

BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	46,877	4	1935	1994

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	29	X	22%	6
Relationships and Collaboration	41	X	15%	6
Wellness	63	X	15%	9
Safety and Security	81	X	21%	17
Features in Learning Environment	49	X	13%	6
Operational Utility	57	X	14%	8
Educational Specification Score:				53

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	76
Plumbing	97
Mechanical	36
Fire Protection	92
Electrical	82
Communications	88
Safety and Security	100
Structural	95
5-YR FCI Score, buildings only:	
78	
Civil	100
5-YR FCI Score including Civil:	
83	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
616	536	-80	-13%	536	100%	0	521	106	627	521	136	657	-30	108%
				456			83%	17%		79%	21%		-5%	-41

John G. Whittier Elementary School – Facts & Figures

<p>Location 1761 Walnut Avenue Long Beach CA 90813 562.599.6263</p>	<p>Total Campus Area 5.48 Acres</p>	<p>Years Constructed 1935, 1936, 1950, 1952, 1954, 1966, 1987, 1988, 1994, 1995, 1997</p>	<p>Total Parking 47 Stalls</p>	<p>Total Building Area Permanent Construction 46,877 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 616</p>	<p>Factored Capacity 992</p>	<p>Permanent Capacity 536 Temporary Capacity 456</p>	<p>Total Building Area Portables 21,552 SF</p>



John G. Whittier Elementary School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Vehicular Circulation & Parking

A Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

B Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

C Large number of students located in portables compared to number of students in permanent buildings

D Lack of Kinder direct access to play area

E Campus does not offer separate Multipurpose and Cafeteria facilities

Activity Zone – Athletics/Physical Education

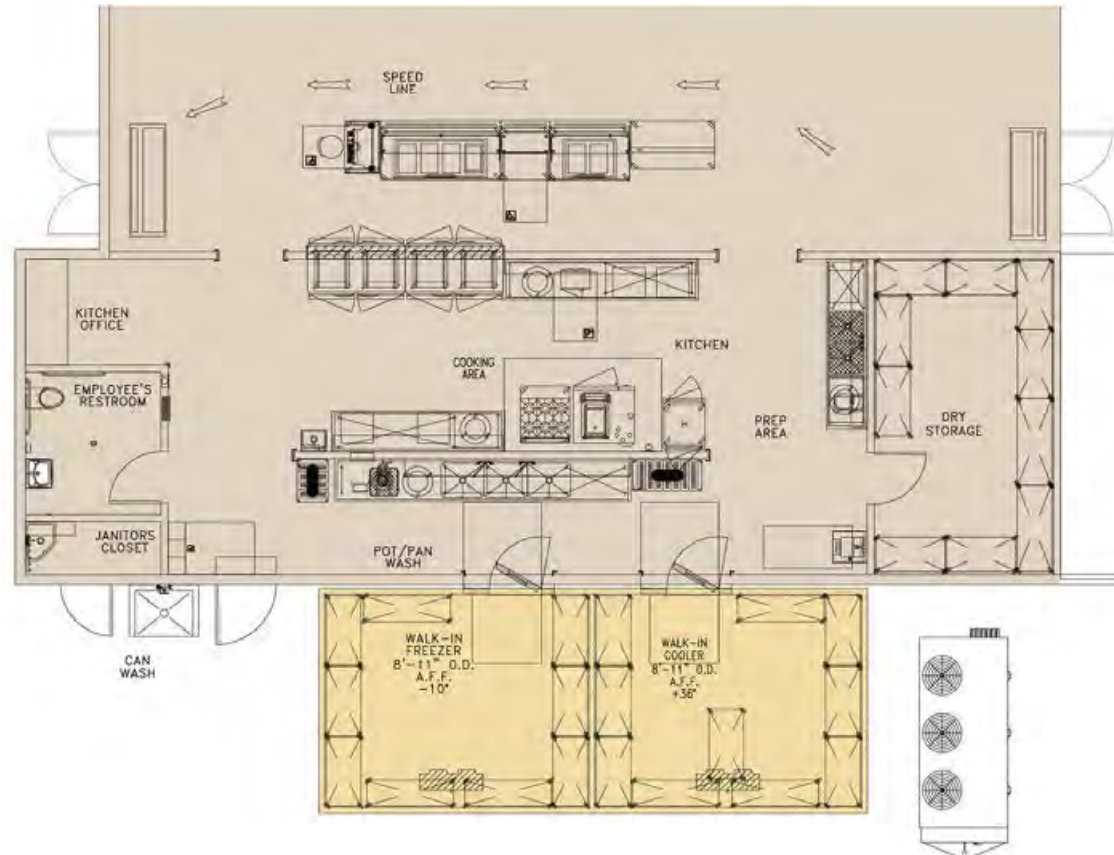
F Lack of lawn/turf area at main play area

G Lack of shade trees at play area

H Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



John G. Whittier Elementary School – Nutrition Services Plan 2022-2032

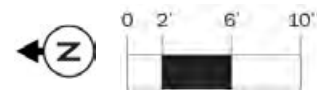


Summary Improvement Plan

Overall Evaluation:

At 737 square feet (including the Dry Storage area), the Whittier Elementary School kitchen is small and cramped. The food service areas at Whittier Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by (6) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood window mullions above the pot sink and the wood guillotine style door near the disposer are not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Willard Elementary

1055 Freeman Avenue
Long Beach, CA 90804

Planning Area
Area F Wilson
School #
6015697

Educational Specification
School Input Incomplete

Facility Condition
82

Capacity Utilization
98



BUILDING DATA

Year Constructed
1935

Gross S.F.
38,377

Permanent Building Count
3

Oldest Building
1935

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	72
Plumbing	98
Mechanical	37
Fire Protection	98
Electrical	95
Communications	97
Safety and Security	100
Structural	97
5-YR FCI Score, buildings only: 78	
Civil	100
5-YR FCI Score including Civil: 82	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
560	524	-36	-6%	513	102%	-11	98	486	70	556	486	241	727	-171	135%
				342				87%	13%		67%	33%		-24%	-178

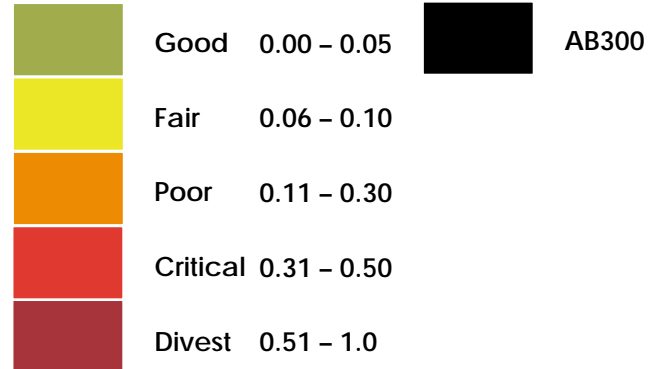
Frances Willard Elementary School – Facts & Figures

<p>Location 1055 Freeman Avenue Long Beach CA 90804</p>	<p>Total Campus Area 3.57 Acres</p>	<p>Years Constructed 1935, 1951, 1953, 1967, 1987, 1988, 1996, 1997</p>	<p>Total Parking 1 Stall</p>	<p>Total Building Area Permanent Construction 38,377 SF</p>
<p>Type TK-5</p>	<p>2021-2022 Enrollment 560</p>	<p>Factored Capacity 855</p>	<p>Permanent Capacity 513 Temporary Capacity 342</p>	<p>Total Building Area Portables 14,400 SF</p>



Frances Willard Elementary School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Vehicular Circulation & Parking

- A** No onsite parking provided
- B** Provide separation of cars and students in the outdoor play areas
- C** Ease of access/ADA compliance from parking to front door

Activity Zones – Academic Buildings

- D** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- E** Large number of students located in portables compared to number of students in permanent buildings
- F** Lack of Kinder direct access to play area

Activity Zone – Athletics/Physical Education

- G** Visibility of outdoor Kinder play from street
- H** Lack of lawn/turf area at main play area
- J** Lack of shade trees at play area
- K** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Frances Willard Elementary School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	11	12,971
Portable Classrooms	12	11,520
◀ CAFM Designated Classroom w/Alt Use	9	8,640
Total Existing	32	33,131

Enrollment & Capacity

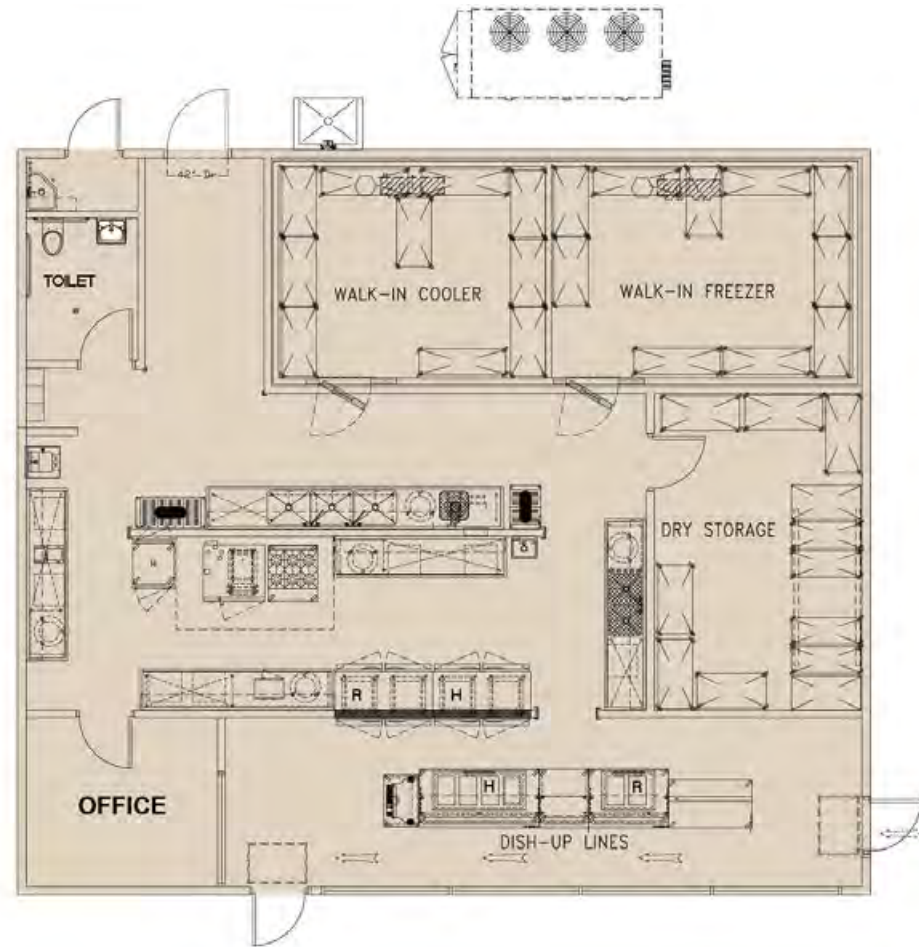
	Student Count	Loaded Clsm
2021-2022 Enrollment	560	1:30
Factored Capacity	855	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	20
Current Classroom Count	32

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,572 SF	2,865 SF
Auditorium	3,262 SF	3,495 SF
Library	953 SF	1,891 SF
Nutrition Services		
Cafeteria	1,188 SF	1,948 SF
Food Service	583 SF	1,490 SF
Lunch Shelter	N/A	1,719 SF
Site		
Playground	1.6 Acres	1.4 Acres
Parking	1 Stall	45 Stalls



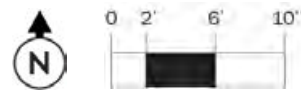


Summary Improvement Plan

Overall Evaluation:

At 583 square feet (including the Dry Storage area), the Willard Elementary School kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Willard Elementary School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. Refrigeration is accommodated by (5) units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Code requires a UL Listed Type I exhaust hood with a non-combustible wall finish behind the cooking equipment. The current Exhaust Hood is non-code compliant and the filters are outdated and inefficient. Updated the exhaust hood would not only bring it into current code compliance, it would improve efficiency and provide a cost savings to the District on utilities. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

B Facility Reports: Middle Schools



Facility Reports: Middle Schools

The appendices contain detailed facility reports highlighting critical facts and assessment findings that support the development, prioritization, and implementation of capital improvements. These reports include:

1. Facility Assessment Summary (Educational Specification, Facility Condition, & Capacity)
2. Critical Fact Sheet
3. Existing Campus Overview (Siteplan, Building Condition, Observations)
4. Existing Space Utilization (Classroom Count/Area, Core Spaces, Standards)
5. Nutrition Services Plan (Kitchen Improvements)

Schools are included in the following order:

- Bancroft
- Franklin
- Hamilton
- Hoover
- Hughes
- Jefferson
- Keller
- Lindbergh
- Lindsey
- Marshall
- Nelson
- Rogers
- Stanford
- Stephens
- Washington



Alice M. Birney Elementary School – Facts & Figures

Location 110 West Spring Street Long Beach, CA 90801 562.437.6212	Total Campus Area 8.03 Acres	Years Constructed 1950, 1952, 1954, 1948, 1988, 1990, 1993, 1994, 1997, 1998, 2001, 2002	Total Parking 41 Stalls	Total Building Area Permanent Construction 36,007 SF
Type TK-5	2021-2022 Enrollment 502	Factored Capacity 855	Permanent Capacity 399 Temporary Capacity 456	Total Building Area Portables 22,080 SF



Alice M. Birney Elementary School – Existing Space Utilization



Alice M. Birney Elementary School – Existing Campus



Alice M. Birney Elementary School – Nutrition Services Plan 2022-2032





Bancroft Middle

5301 East Centralia Street
Long Beach, CA 90808

Planning Area
Area B Lakewood
School #
6061337

Educational Specification
50

Facility Condition
91

Capacity Utilization
100



BUILDING DATA

Year Constructed
1944

Gross S.F.
110,283

Permanent Building Count
10

Oldest Building
1944

Newest Building
2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	23	X	22%	5
Relationships and Collaboration	48	X	15%	7
Wellness	59	X	15%	9
Safety and Security	61	X	21%	13
Features in Learning Environment	60	X	13%	8
Operational Utility	60	X	14%	8
Educational Specification Score:				50

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	93
Plumbing	93
Mechanical	89
Fire Protection	98
Electrical	50
Communications	58
Safety and Security	58
Structural	98
5-YR FCI Score, buildings only:	
	88
Civil	99
5-YR FCI Score including Civil:	
	91



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
904	750	-154	-17%	1,319	57%	569	100	465	439	904	465	320	785	119	48%
				208				51%	49%		59%	41%		15%	688

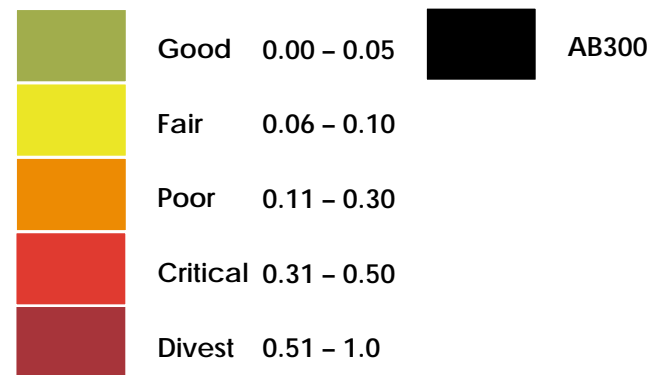
Hubert H. Bancroft Middle School – Facts & Figures

<p>Location 530 East Centralia Street Long Beach CA 90808 562.425.3500</p>	<p>Total Campus Area 18.06 Acres</p>	<p>Years Constructed 1944, 1949, 1952, 1958, 1965, 2000, 2001</p>	<p>Total Parking 41 Stalls</p>	<p>Total Building Area Permanent Construction 110,283 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 904</p>	<p>Factored Capacity 1,527</p>	<p>Permanent Capacity 1,319 Temporary Capacity 208</p>	<p>Total Building Area Portables 6,720 SF</p>



Hubert H. Bancroft Middle School – Existing Campus

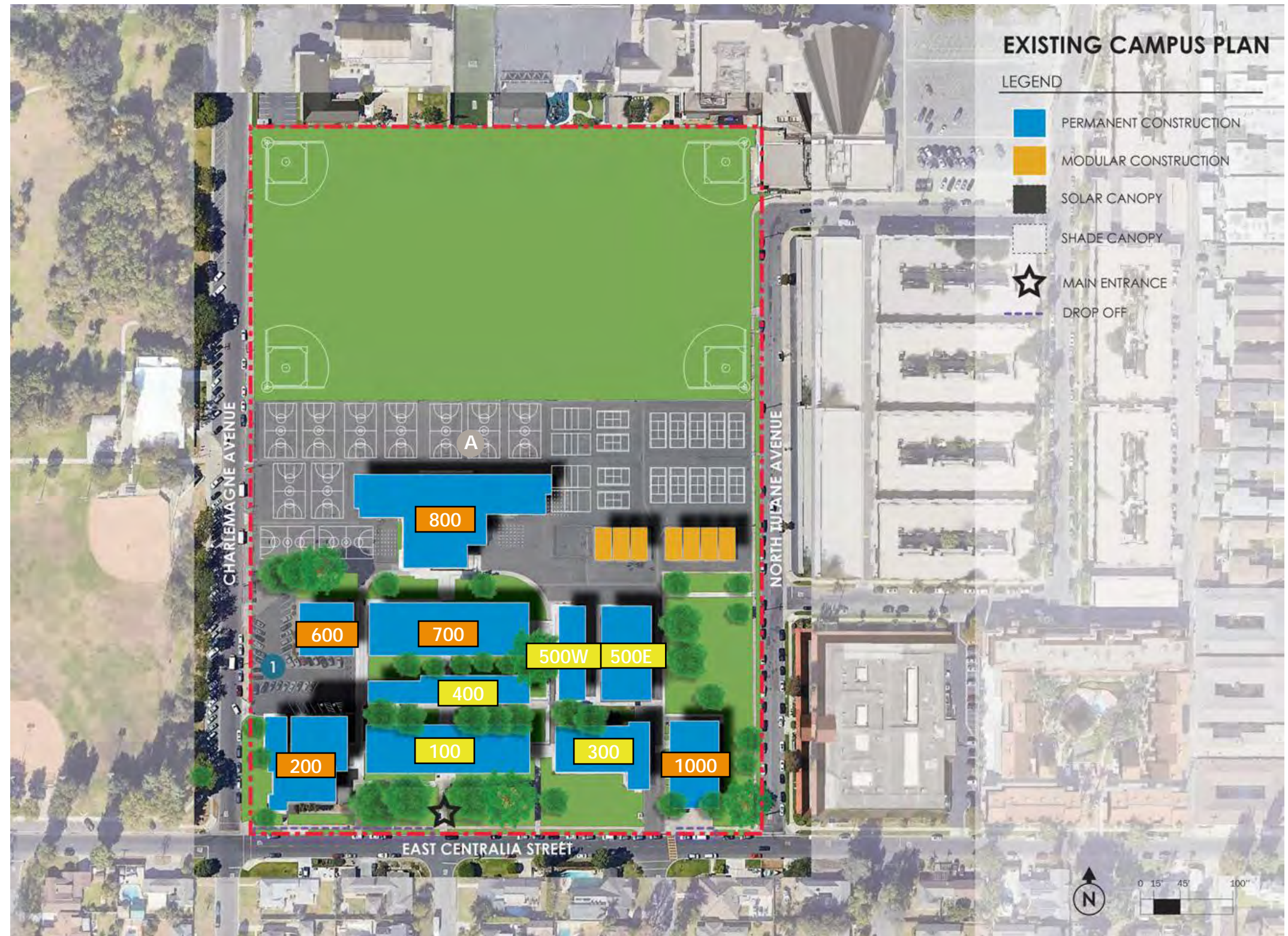
Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Significant large areas of blacktop without use of reflective paints, trees, or shaded devices to reduce heat island and improve quality of play



Hubert H. Bancroft Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	43	42,907
Portable Classrooms	7	6,720
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	50	49,627

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	904	1:35
Factored Capacity	1,527	

New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	27
Current Classroom Count	50

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	6,720 SF	1,870 SF
Auditorium	6,187 SF	5,704 SF
Gymnasium	7,344 SF	10,846 SF
Library	1,491 SF	2,805 SF
Nutrition Services		
Cafeteria	2,997 SF	3,179 SF
Food Service	1,162 SF	1,216 SF
Lunch Shelter	1,400 SF	2,805 SF
Site		
Playground	8.8 Acres	2.4 Acres
Parking	41 Stalls	68 Stalls

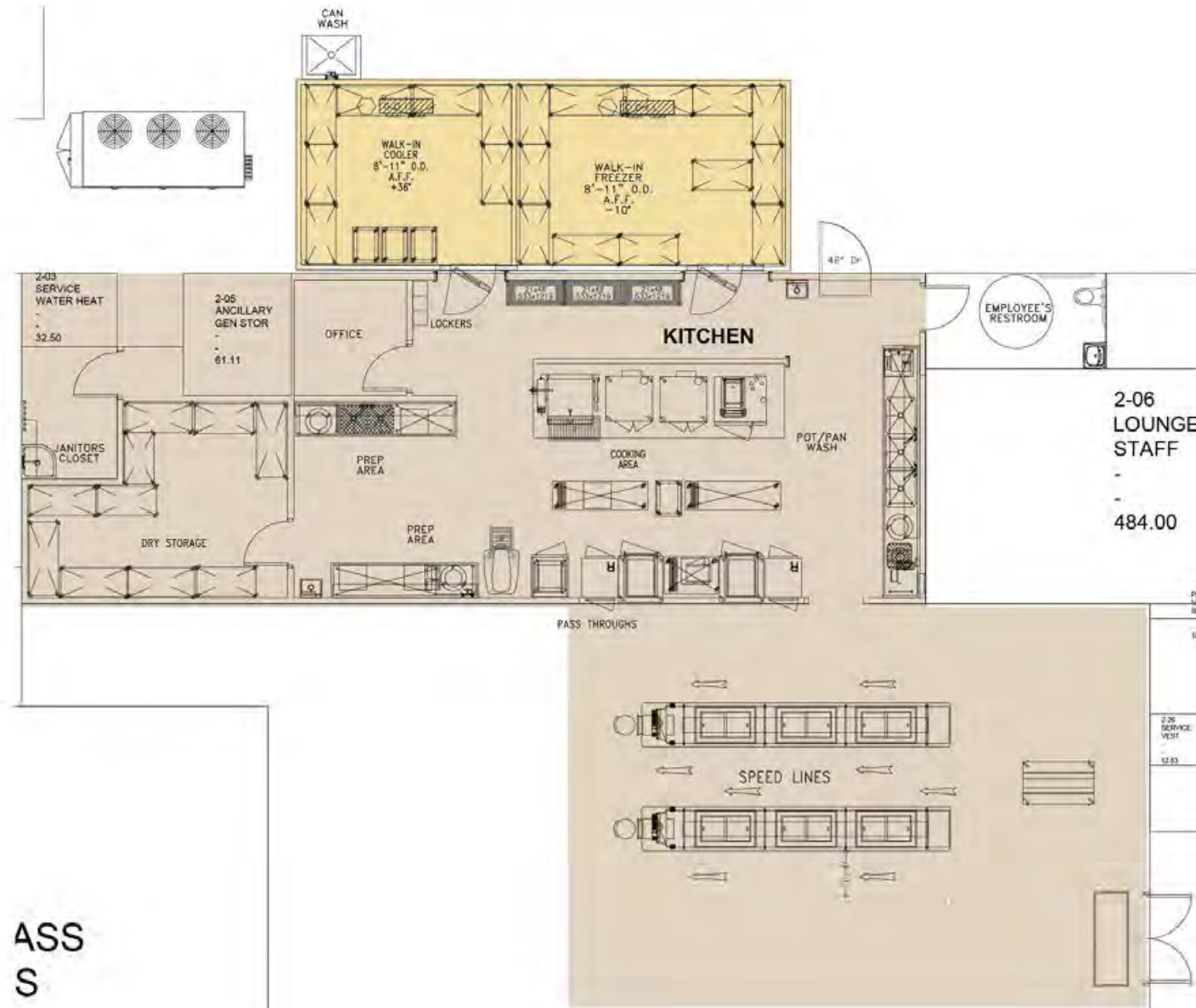


Hubert H. Bancroft Middle School – Nutrition Services Plan 2022-2032

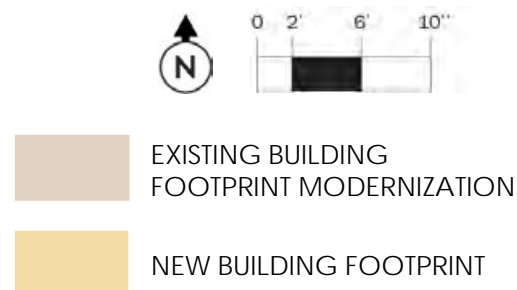
Summary Improvement Plan

Overall Evaluation:

At 1162 square feet (including the Dry Storage area), the Bancroft Middle School kitchen is undersized. The food service areas at Bancroft Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen is tight on dedicated dry storage. The service line is accessed by entering the primary kitchen. Due to the size constraints of the kitchen, the service aisles (and other aiseways throughout the kitchen) for both the staff and the students are undersized and do not meet ADA requirements. There is no ADA compliant workstation. Even the 38" high tray rail is non-ADA compliant. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. The wall behind the hood must be sheathed in a non-combustible wall covering. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated cabinet bases at all service areas, the wood stanchions on the food guards and the wood window frames above the pot sink are not EHS or NSF code compliant. There are no air curtains or screens on the service windows. There are air curtains in the cafeteria however, per EHS requirements, they must cover the full width of the door opening below. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



"TO FIT" DESIGN





Franklin Middle

540 Cerritos Avenue
Long Beach, CA 90802

Planning Area
Area E Polytechnic
School #
6061345

Educational Specification
44

Facility Condition
85

Capacity Utilization
100



BUILDING DATA

Year Constructed
1924

Gross S.F.
106,522

Permanent Building Count
5

Oldest Building
1924

Newest Building
1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	19	X	22%	4
Relationships and Collaboration	33	X	15%	5
Wellness	39	X	15%	6
Safety and Security	59	X	21%	12
Features in Learning Environment	55	X	13%	7
Operational Utility	68	X	14%	10
Educational Specification Score:				44

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	84
Plumbing	99
Mechanical	18
Fire Protection	99
Electrical	99
Communications	99
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	
	82
Civil	100
5-YR FCI Score including Civil:	
	85



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
1,095	936	-159	-15%	1,260 60	74%	324	100	961 88%	129 12%	1,090	961 65%	511 35%	1,472	-382 -26%	104% -53

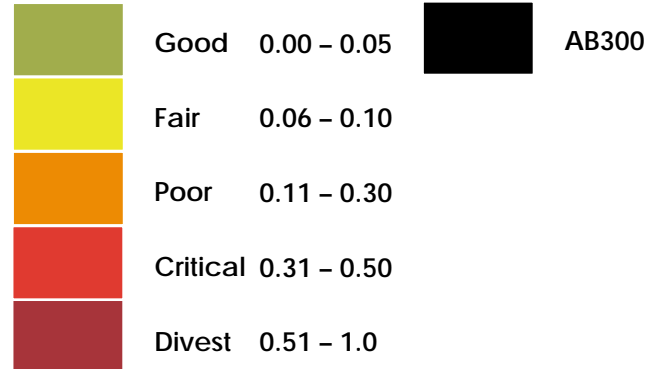
Benjamin Franklin Middle School – Facts & Figures

<p>Location 540 Cerritos Avenue Long Beach CA 90802 562.435.4952</p>	<p>Total Campus Area 7.55 Acres</p>	<p>Years Constructed 1924, 1936, 1950, 1958, 1970, 1996</p>	<p>Total Parking 81 Stalls</p>	<p>Total Building Area Permanent Construction 96,578 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 1,095</p>	<p>Factored Capacity 1,319</p>	<p>Permanent Capacity 1,260 Temporary Capacity 60</p>	<p>Total Building Area Portables 3,840 SF</p>



Benjamin Franklin Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Benjamin Franklin Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	40	38,205
Portable Classrooms	2	1,920
◀ CAFM Designated Classroom w/Alt Use	2	1,920
Total Existing	44	42,045

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	1,095	1:35
Factored Capacity	1,319	

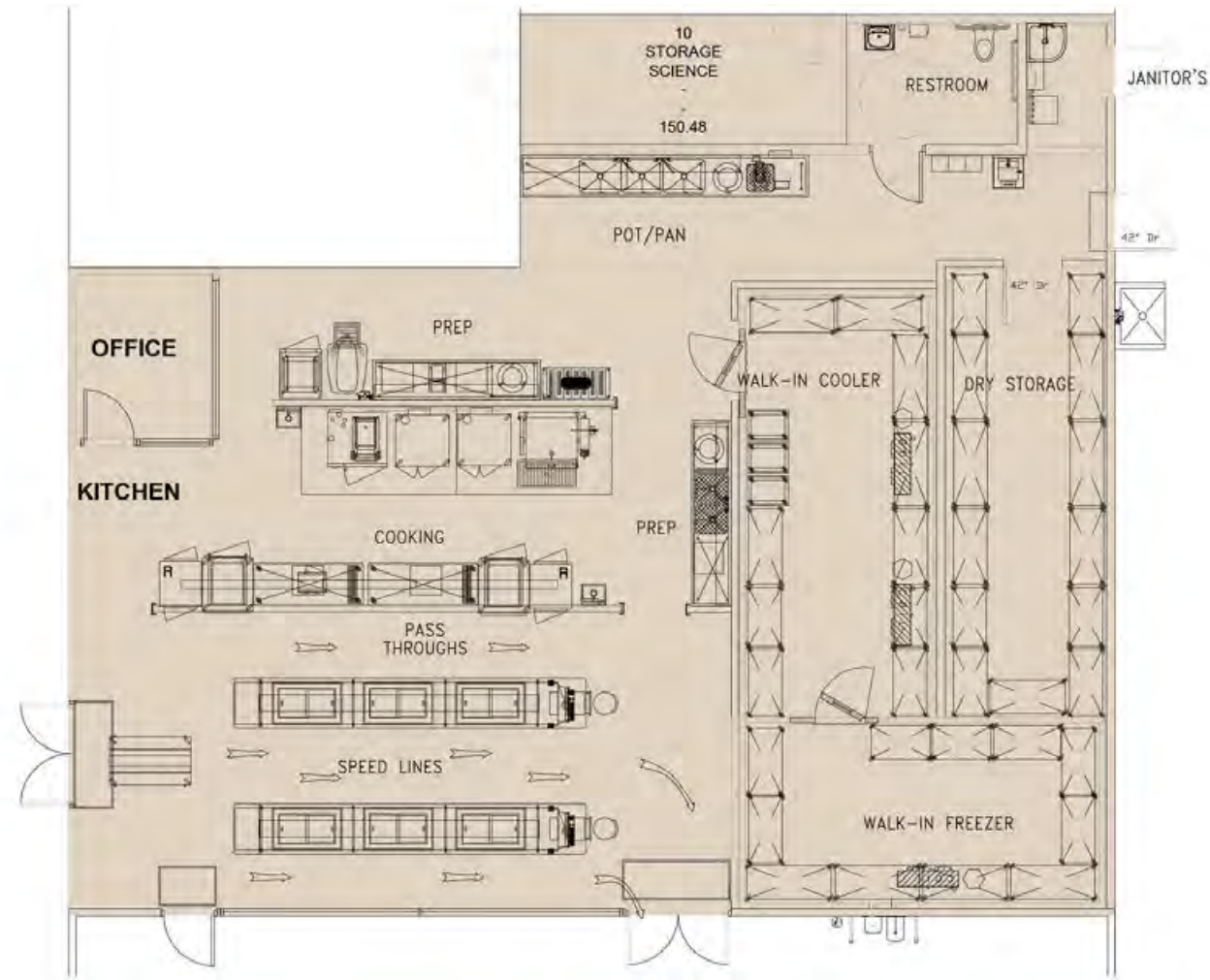
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	34
Current Classroom Count	44

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	6,282 SF	2,320 SF
Auditorium	6,661 SF	7,076 SF
Gymnasium	7,666 SF	13,456 SF
Library	2,534 SF	3,480 SF
Nutrition Services		
Cafeteria	2,160 SF	3,944 SF
Food Service	1,680 SF	1,508 SF
Lunch Shelter	N/A	3,480 SF
Site		
Playground	3.3 Acres	3.0 Acres
Parking	81 Stalls	160 Stalls



Benjamin Franklin Middle School – Nutrition Services Plan 2022-2032

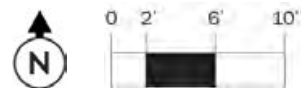


Summary Improvement Plan

Overall Evaluation:

The Franklin Middle School kitchen is large and adequate for the current student population and service style. The food service areas at Franklin Middle School meet most current ADA and EHS requirements. The kitchen's dedicated dry storage is adequate. The service line is accessed by entering the primary kitchen. There is no ADA compliant workstation, nor are there any ADA accessible exterior service windows. There is no dedicated food preparation sink within the kitchen space. The walk-in doors lack operable self-closing mechanisms. One of the milk coolers in the cafeteria was inoperable at time of site visit. The same coolers' interior racks had rusted. Though the Franklin Middle School kitchen has been updated and upgraded to comply with many current codes, the site could benefit from some minor updates to address EHS and ADA compliance issues.

"TO FIT" DESIGN



- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Hamilton Middle

1060 70th Street
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6057780

Educational Specification
School Input Incomplete

Facility Condition
84

Capacity Utilization
100



BUILDING DATA

Year Constructed
1952

Gross S.F.
97,297

Permanent Building Count
8

Oldest Building
1952

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
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- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	85
Plumbing	90
Mechanical	38
Fire Protection	100
Electrical	56
Communications	35
Safety and Security	62
Structural	100
5-YR FCI Score, buildings only:	78
Civil	100
5-YR FCI Score including Civil:	84



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
824	709	-115	-14%	1,170 238	61%	461	100	709 85%	124 15%	833	709 61%	445 39%	1,154	-321 -28%	89% 131

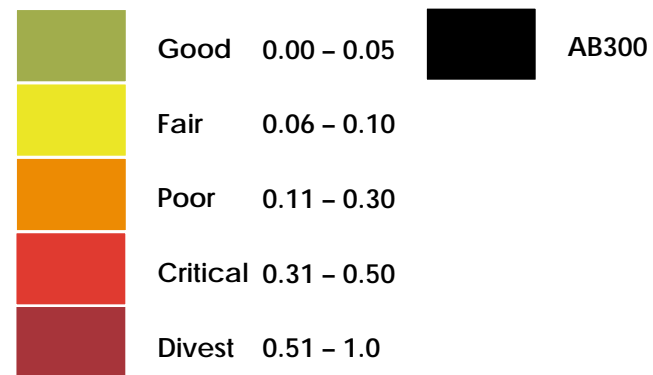
Alexander Hamilton Middle School – Facts & Figures

<p>Location 1060 East 70th Street Long Beach CA 90805 562.602.0302</p>	<p>Total Campus Area 15.44 Acres</p>	<p>Years Constructed 1952, 1954, 1956, 1968, 1969, 1970, 1995, 1997</p>	<p>Total Parking 52 Stalls</p>	<p>Total Building Area Permanent Construction 97,297 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 824</p>	<p>Factored Capacity 1,408</p>	<p>Permanent Capacity 1,170 Temporary Capacity 238</p>	<p>Total Building Area Portables 7,680 SF</p>



Alexander Hamilton Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Alexander Hamilton Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	39	43,531
Portable Classrooms	8	7,680
◀ CAFM Designated Classroom w/Alt Use	1	960
Total Existing	48	52,171

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	824	1:35
Factored Capacity	1,408	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	26
Current Classroom Count	48

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,473 SF	2,911 SF
Auditorium	4,705 SF	4,498 SF
Gymnasium	18,348 SF	14,553 SF
Library	2,569 SF	3,528 SF
Nutrition Services		
Cafeteria	2,014 SF	2,998 SF
Food Service	1,241 SF	1,852 SF
Lunch Shelter	820 SF	2,646 SF
Site		
Playground	7.72 Acres	2.2 Acres
Parking	52 Stalls	65 Stalls

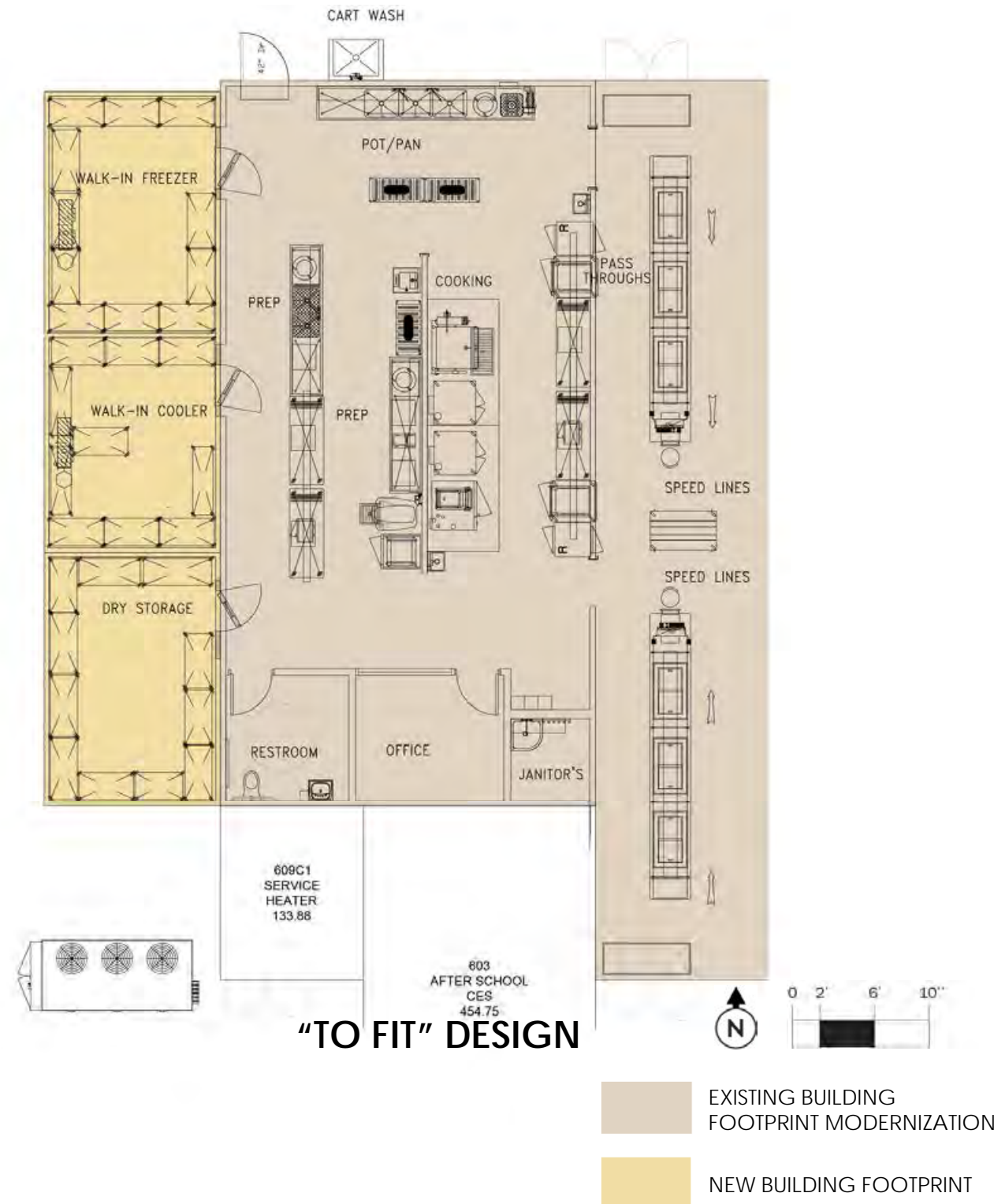


Alexander Hamilton Middle School – Nutrition Services Plan 2022-2032

Summary Improvement Plan

Overall Evaluation:

At 1241 square feet (including the Dry Storage area), the kitchen is large. The food service areas at Hamilton Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares space with the supervisor's office area). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is not considered best practice. The service lines are accessed by entering the primary kitchen. Due to the size constraints of the servery and the traffic stations installed, the service aisles for the students are undersized and do not meet ADA requirements. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood POS tables, the wood window frames above the pot sink and the exposed wood guillotine style door are not EHS or NSF code compliant. The soiled dish table has no interior coves and is not NSF certified. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There are no screens or air curtains at the service windows. There is no ADA compliant workstation. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.





Hoover Middle

3501 Country Club Drive
Lakewood, CA 90712

Planning Area
Area B Lakewood
School #
6057798

Educational Specification
School Input Incomplete

Facility Condition
72

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1955	97,454	8	1955	2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	51
Plumbing	99
Mechanical	44
Fire Protection	99
Electrical	43
Communications	36
Safety and Security	81
Structural	99
5-YR FCI Score, buildings only:	62
Civil	100
5-YR FCI Score including Civil:	72



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
573	636	63	11%	1,141 60	56%	505	100	223 40%	341 60%	564	223 51%	212 49%	435	129 30%	44% 643

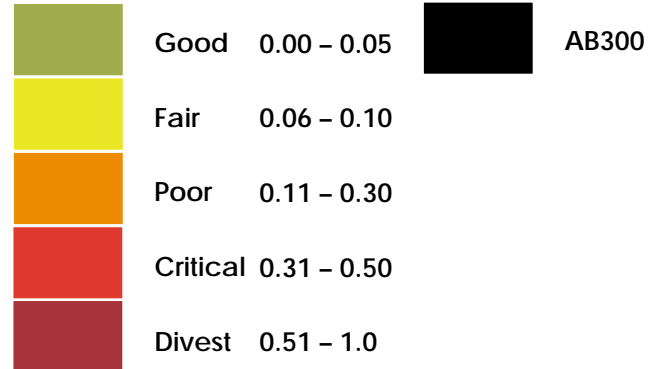
Herbert Hoover Middle School – Facts & Figures

<p>Location 3501 Country Club Drive Lakewood CA 90712 562.421.1213</p>	<p>Total Campus Area 15.98 Acres</p>	<p>Years Constructed 1954, 1955</p>	<p>Total Parking 45 Stalls</p>	<p>Total Building Area Permanent Construction 97,454 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 573</p>	<p>Factored Capacity 1,200</p>	<p>Permanent Capacity 1,141 Temporary Capacity 60</p>	<p>Total Building Area Portables 1,920 SF</p>



Herbert Hoover Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Herbert Hoover Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	37	39,394
Portable Classrooms	2	1,920
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	39	41,314

Enrollment & Capacity

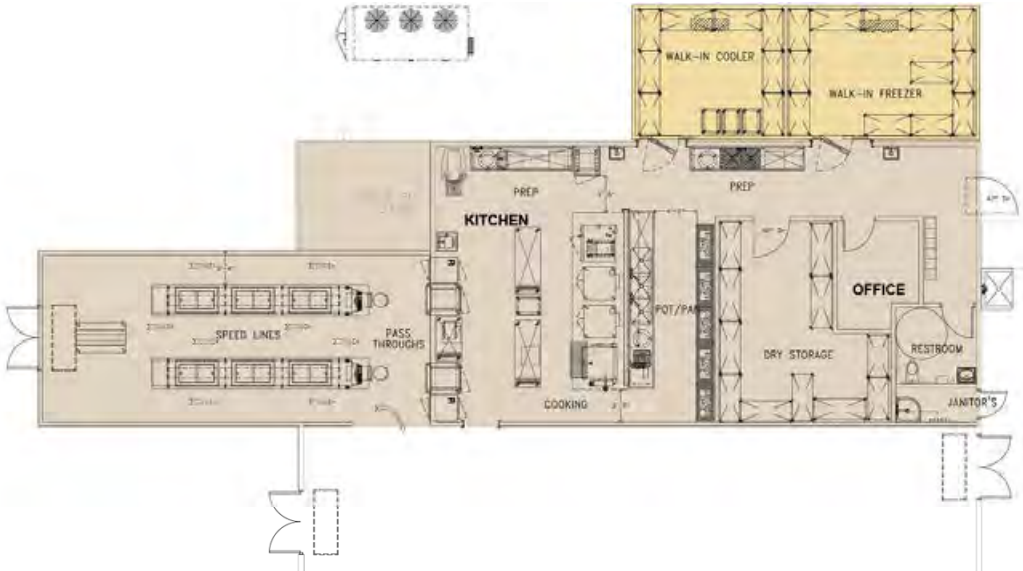
	Student Count	Loaded Clsm
2021-2022 Enrollment	573	1:35
Factored Capacity	1,200	
New Classrooms to Be Constructed		---
Total # Loaded Classrooms Required		18
Current Classroom Count		39

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,824 SF	2,056 SF
Auditorium	5,577 SF	3,177 SF
Gymnasium	7,538 SF	10,280 SF
Library	3,840 SF	2,492 SF
Nutrition Services		
Cafeteria	2,973 SF	2,118 SF
Food Service	1,240 SF	1,308 SF
Lunch Shelter	820 SF	1,869 SF
Site		
Playground	8.7 Acres	2.0 Acres
Parking	45 Stalls	45 Stalls



Herbert Hoover Middle School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

At 1240 square feet (including the Dry Storage area), the kitchen is large. The food service areas at Hoover Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The ware washing area, cooking area and the prep areas overlap and create a cross contamination hazard. The service line is accessed by entering the primary kitchen. The dish-up lines lack recessed hot and cold wells. This requires that the meals must be pre-plated and served from a heated cart. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. The wall behind the hood must be sheathed in a non-combustible wall covering. The hood must also have certain overhang clearances to be deemed code compliant. The existing hood is undersized. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated cabinet bases at both of the service areas, the wood stanchions on the food guards, the wood tables, the wood window frames above the pot sink and service window, the wood dry storage shelving and the exposed wood guillotine style door are not EHS or NSF code compliant. There is no ADA compliant workstation. There is no employee hand sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



long beach unified school district

Hughes Middle
3846 California Avenue
Long Beach, CA 90807

Planning Area
Area E Polytechnic
School #
6061360

Educational Specification 62	Facility Condition Facility not assessed	Capacity Utilization 87
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Educational Specification Legend
0-50 Critical, 51-60 Poor, 61-70 Fair, 71-80 Good, 81-100 Excellent

Facility Condition Legend
0-69 Critical, 70-89 Poor, 90-94 Fair, 95-99 Good, 100 Excellent

Capacity / Utilization (Projected) Legend
0%-80% Under-Utilized, 80%-100% Preferred Utilization, 100%-115% Over-Utilized, 115%-130% Very Over-Utilized, 130%+ Severely Over-Utilized

BUILDING DATA

Year Constructed 1948	Gross S.F. 94,500	Permanent Building Count 9	Oldest Building 1948	Newest Building 1999
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	35	X	22%	8
Relationships and Collaboration	71	X	15%	11
Wellness	74	X	15%	11
Safety and Security	81	X	21%	17
Features in Learning Environment	63	X	13%	8
Operational Utility	50	X	14%	7
Educational Specification Score:				62

FACILITY CONDITION ASSESSMENT

Facility not assessed



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
1,328	1,259	-69	-5%	1,111 387	113%	-148	87	914 69%	415 31%	1,329	914 82%	194 18%	1,108	221 20%	94% 72

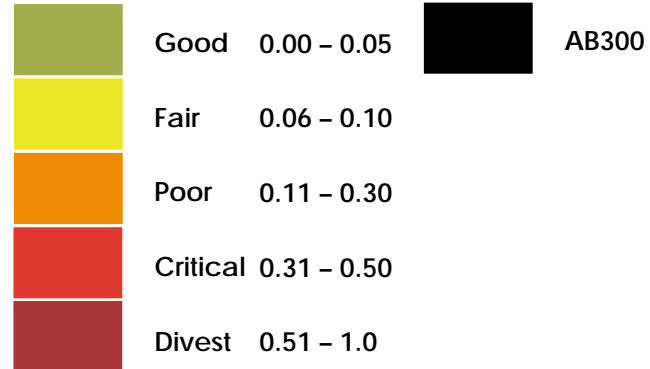
Charles Evan Hughes Middle School – Facts & Figures

Location 3846 California Avenue Long Beach CA 90807 562.595.0831	Total Campus Area 12.8 Acres	Years Constructed 1948, 1949, 1951, 1954, 1958, 1959, 1960, 1989, 1995	Total Parking 64 Stalls	Total Building Area Permanent Construction 94,500 SF
Type 6-8	2021-2022 Enrollment 1,328	Factored Capacity 1,498	Permanent Capacity 1,111 Temporary Capacity 387	Total Building Area Portables 11,978 SF



Charles Evan Hughes Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Charles Evan Hughes Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	32	34,941
Portable Classrooms	13	11,978
◀ CAFM Designated Classroom w/Alt Use	2	1,920
Total Existing	47	48,839

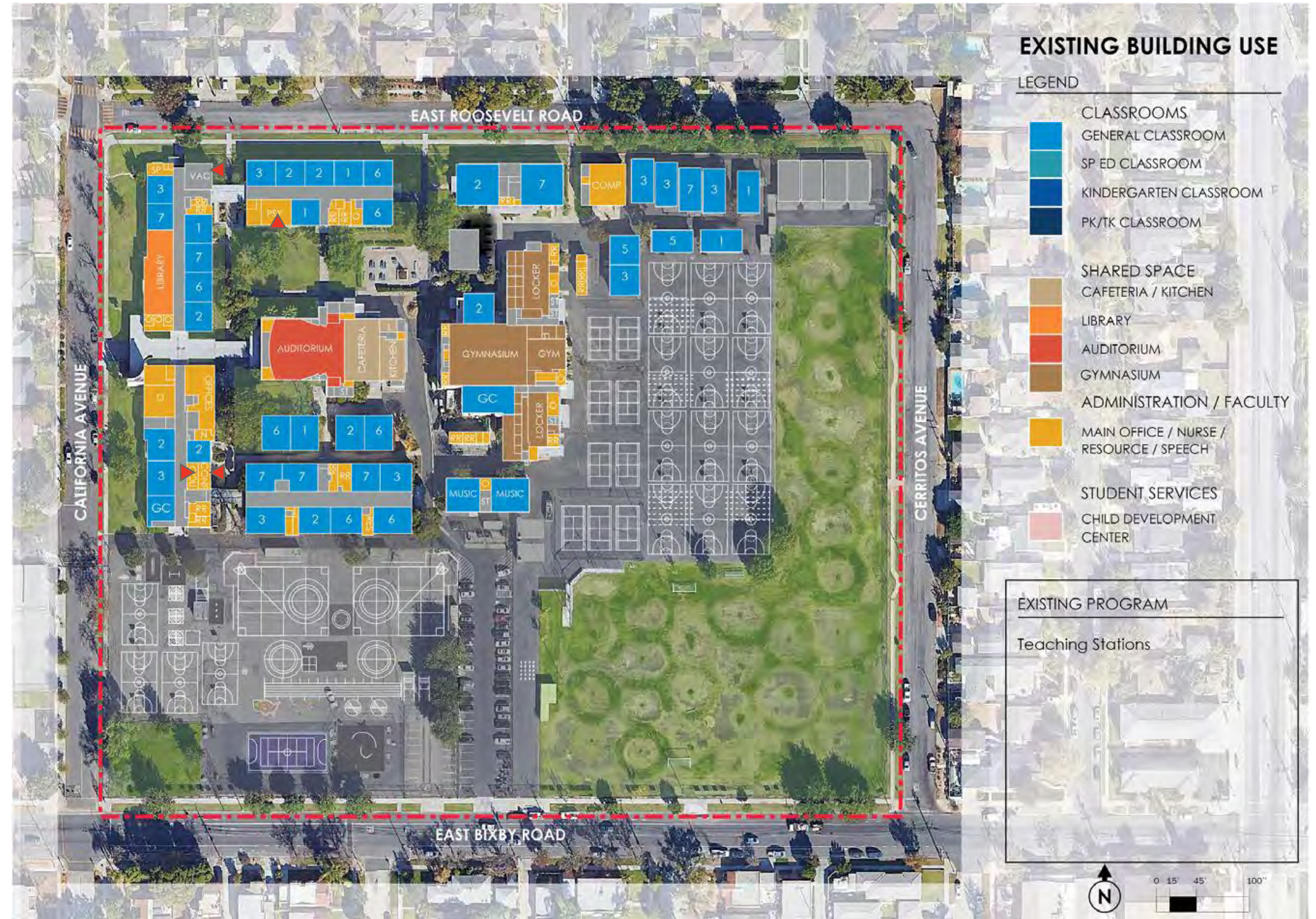
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	1,328	1:35
Factored Capacity	1,498	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	40
Current Classroom Count	47

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	6,709 SF	2,498 SF
Auditorium	3,784 SF	8,050 SF
Gymnasium	8,884 SF	14,158 SF
Library	4,007 SF	4,858 SF
Nutrition Services		
Cafeteria	2,835 SF	4,719 SF
Food Service	1,082 SF	1,527 SF
Lunch Shelter	820 SF	4,164 SF
Site		
Playground	6.0 Acres	3.5 Acres
Parking	64 Stalls	100 Stalls

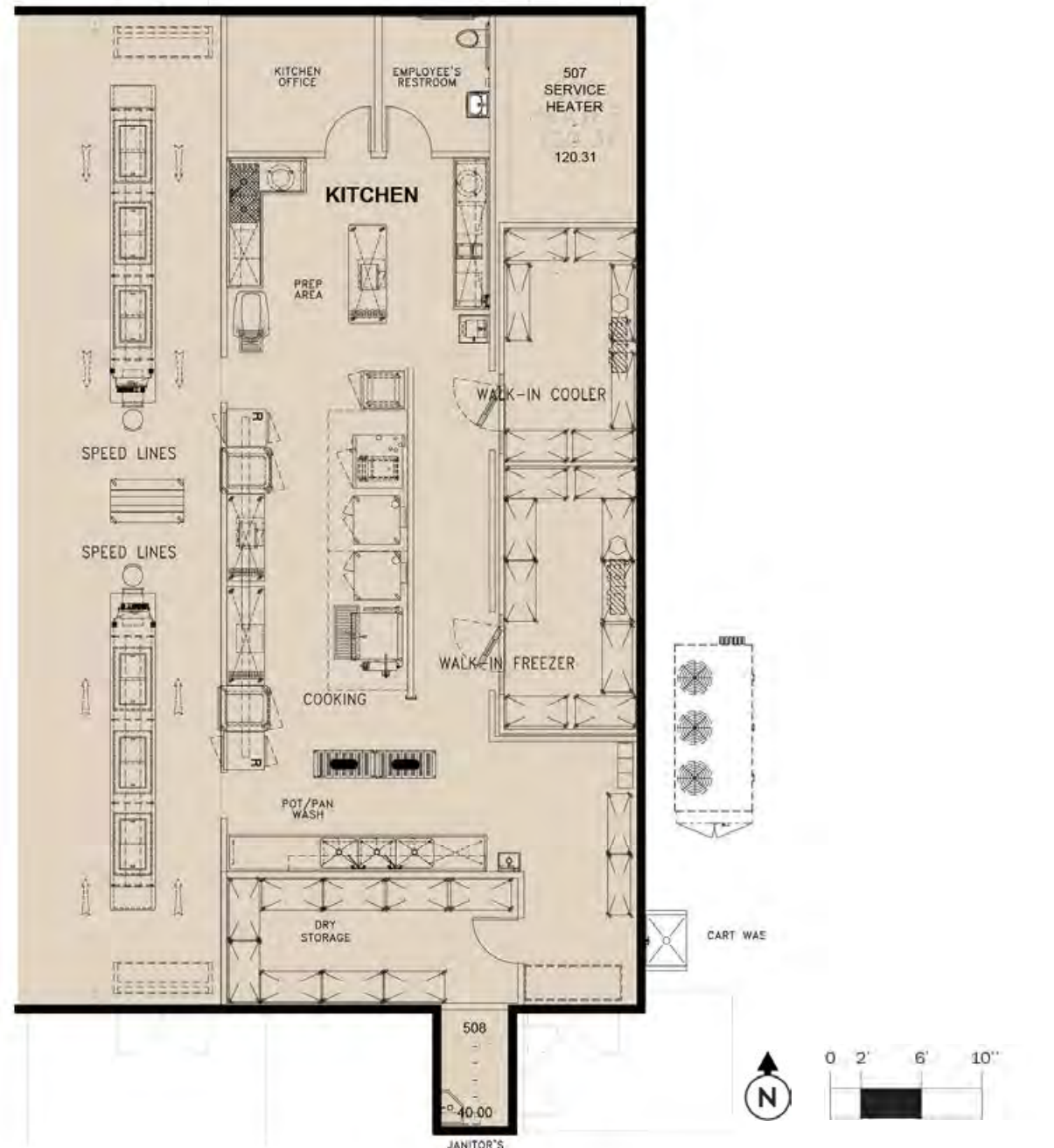


Charles Evan Hughes Middle School – Nutrition Services Plan 2022-2032

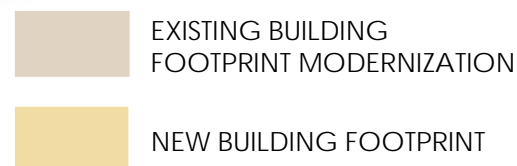
Summary Improvement Plan

Overall Evaluation:

This site has recently undergone modernization with new flooring in the Cafeteria, Kitchen and Dry storage. At 1082 square feet (including the Dry Storage area), the kitchen is large but crowded as worktables, delivery, utility, and service carts fill the space. The food service areas at Hughes Middle School do not meet ADA requirements. There is no ADA compliant workstation. The service lines are accessed by entering the primary kitchen. The air curtains in the cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Chemicals are being stored below the food preparation sink. Although this is not a compliance issue, it is not considered best practice. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



"TO FIT" DESIGN





Jefferson Leadership Academies

750 Euclid Avenue
Long Beach, CA 90804

Planning Area
Area F Wilson
School #
6057806

Educational Specification
54

Facility Condition
94

Capacity Utilization
100



BUILDING DATA

Year Constructed
1934

Gross S.F.
116,882

Permanent Building Count
7

Oldest Building
1934

Newest Building
1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	26	X	22%	6
Relationships and Collaboration	39	X	15%	6
Wellness	64	X	15%	10
Safety and Security	80	X	21%	17
Features in Learning Environment	55	X	13%	7
Operational Utility	63	X	14%	9
Educational Specification Score:				54

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	94
Plumbing	99
Mechanical	98
Fire Protection	99
Electrical	75
Communications	89
Safety and Security	69
Structural	100
5-YR FCI Score, buildings only:	
	93
Civil	100
5-YR FCI Score including Civil:	
	94



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
1,000	846	-154	-15%	1,191	71%	345	100	719	265	984	719	535	1,254	-270	92%
				119				73%	27%		57%	43%		-22%	91

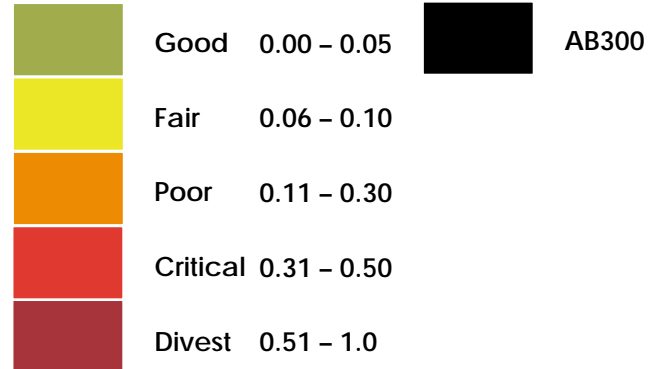
Thomas Jefferson Middle School – Facts & Figures

Location 750 Euclid Avenue Long Beach CA 90804 562.438.9904	Total Campus Area 7.38 Acres	Years Constructed 1934, 1935, 1936, 1957, 1992	Total Parking 56 Stalls	Total Building Area Permanent Construction 109,981 SF
Type 6-8	2021-2022 Enrollment 1,000	Factored Capacity 1,310	Permanent Capacity 1,191 Temporary Capacity 119	Total Building Area Portables 3,840 SF



Thomas Jefferson Middle School – Existing Campus

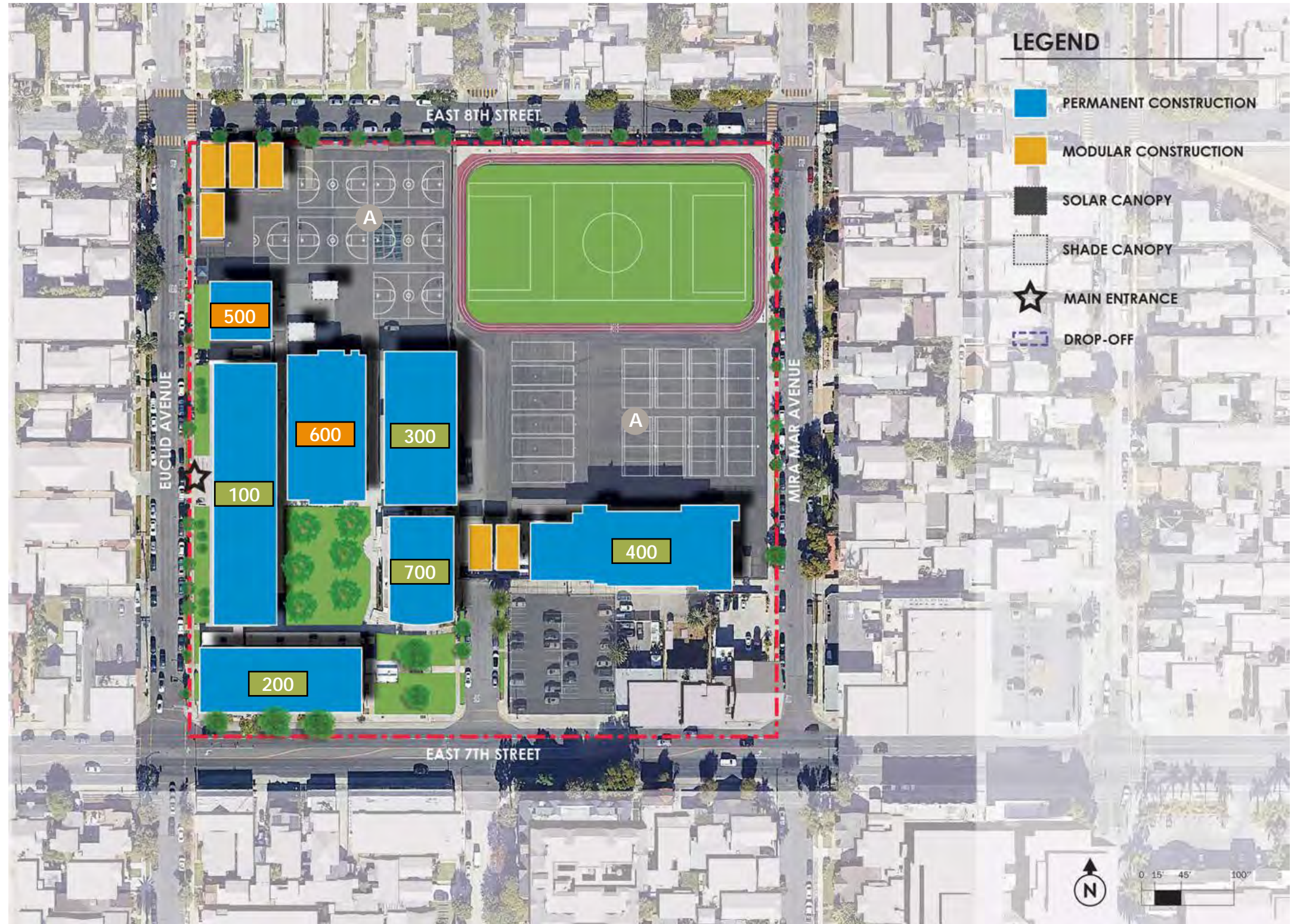
Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Thomas Jefferson Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

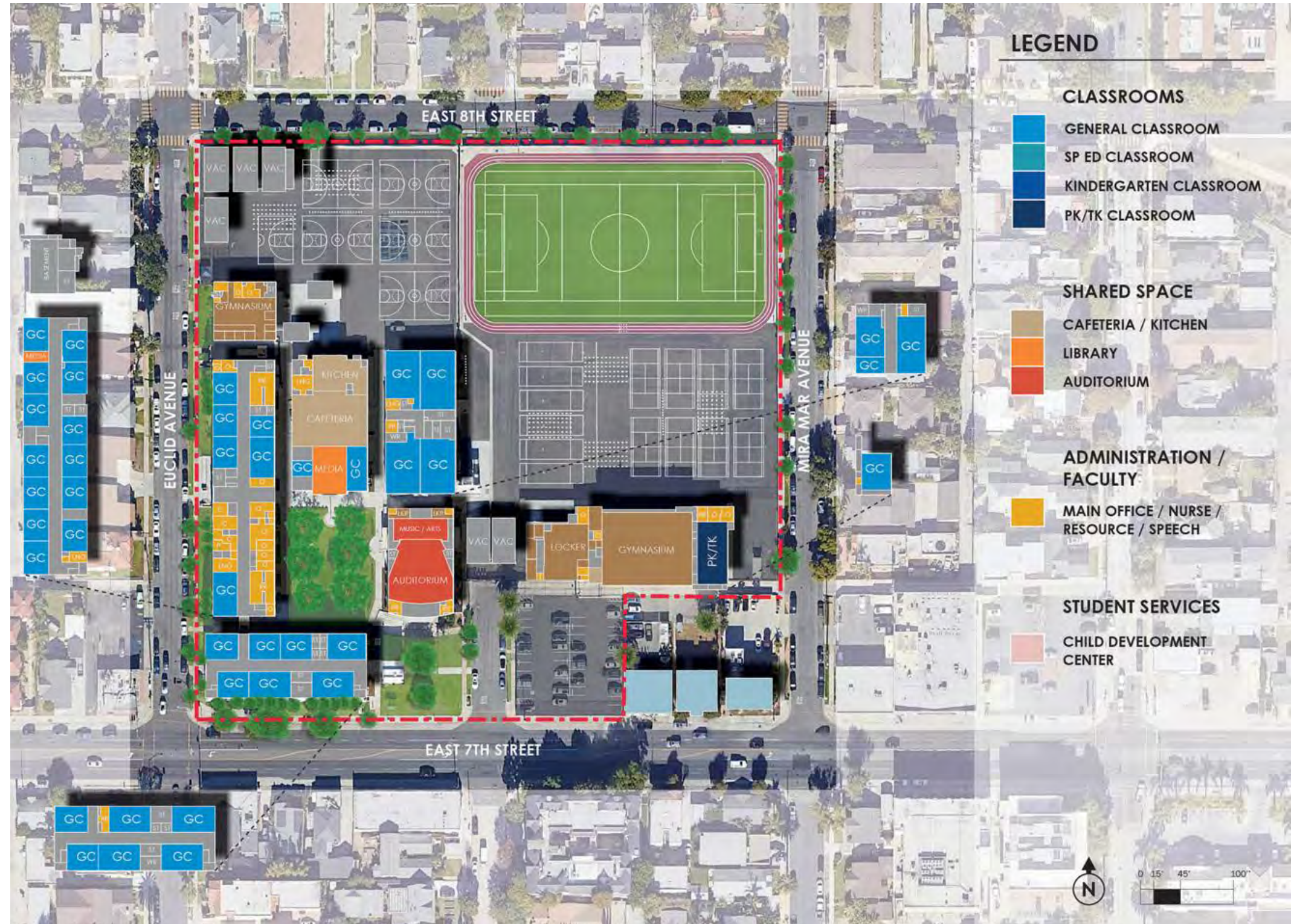
Type	#	Total SF
Permanent Classrooms	42	44,659
Portable Classrooms	4	3,840
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	46	48,499

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	1,000	1:35
Factored Capacity	1,310	
New Classrooms to Be Constructed	---	
Total # Loaded Classrooms Required		31
Current Classroom Count		46

2021-2022 Planning Capacity

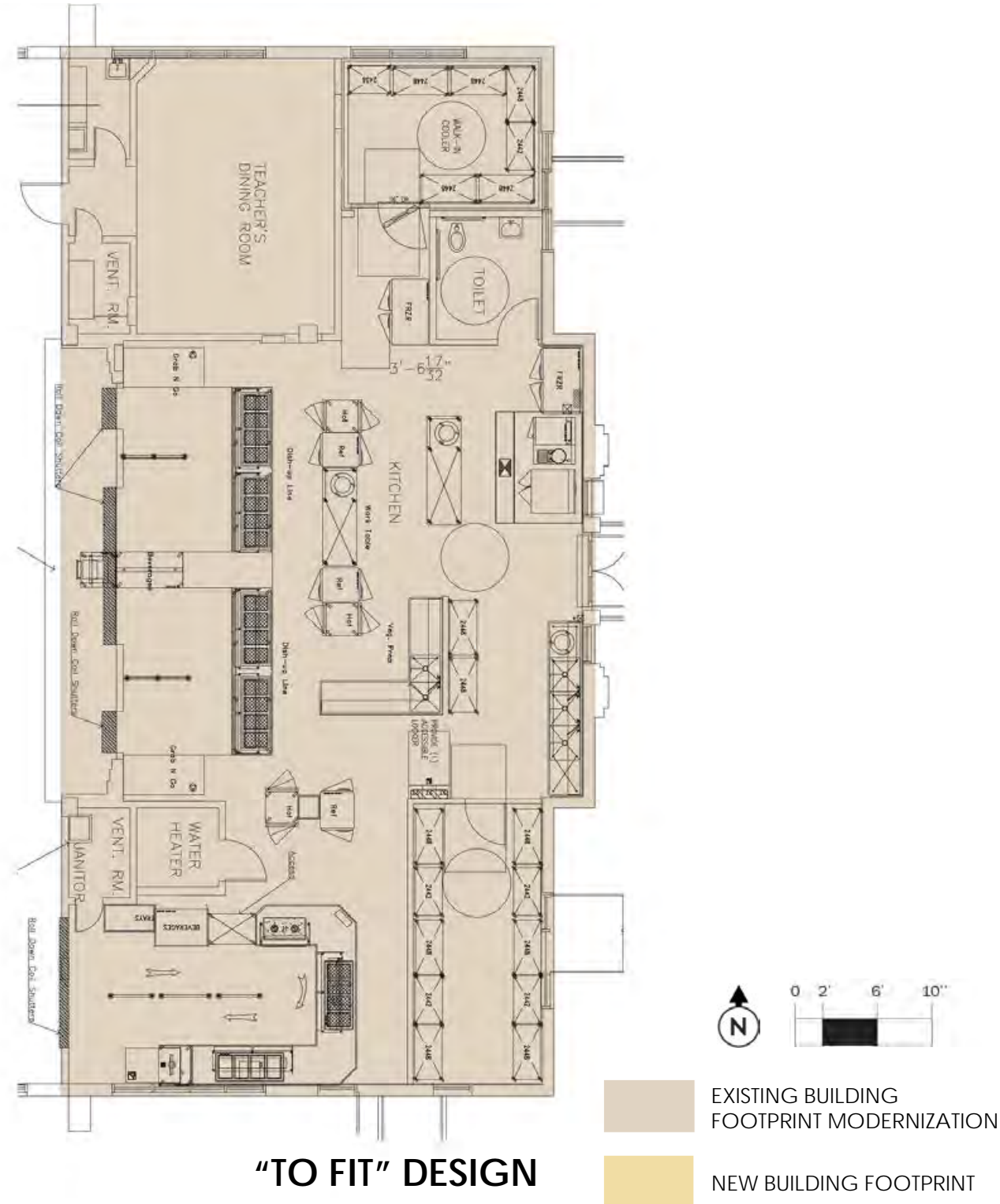
Category	Existing	Planning Capacity
Administration	5,009 SF	2,116 SF
Auditorium	3,839 SF	6,454 SF
Gymnasium	6,795 SF	12,279 SF
Library	2,171 SF	3,174 SF
Nutrition Services		
Cafeteria	4,486 SF	3,597 SF
Food Service	2,269 SF	1,375 SF
Lunch Shelter	N/A	3,174 SF
Site		
Playground	2.9 Acres	2.7 Acres
Parking	56 Stalls	78 Stalls



Summary Improvement Plan

Overall Evaluation:

At 2269 square feet (including the Dry Storage area, restroom, mechanical room, custodial closet, office and locker area), the kitchen is large, however, the food service areas at Jefferson Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares space with the supervisor's office area). The service lines are accessed by entering the primary kitchen. Due to the size constraints of the servery and the traffic stations installed, only one of the service aisles for the students meets ADA requirements. The tray rails measure +36-1/2" AFF which is too high for ADA compliance. The depth of the service counter makes serving in some areas extremely difficult with an approximate 43" reach. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood stanchions on the food guards, the window service counter, the wall mounted storage cabinet near the janitors closet and the abandoned guillotine style door are not EHS or NSF code compliant. The worktable that the hand sink is dropped into has no interior coves and is not NSF certified. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no ADA compliant workstation. The air curtain in the kitchen and a two door Hobart freezer were non-operational at time of site visit. There are no screens or air curtains at the service windows. There is no dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.





Helen Keller Middle

7020 East Brittain Street
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
0132381

Educational Specification
School Input Incomplete

Facility Condition
92

Capacity Utilization
100



BUILDING DATA

Year Constructed
1954

Gross S.F.
48,913

Permanent Building Count
4

Oldest Building
1954

Newest Building
1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
-------------	------------------

Architectural	85
Plumbing	98
Mechanical	91
Fire Protection	94
Electrical	76
Communications	92
Safety and Security	100
Structural	96
5-YR FCI Score, buildings only:	88
Civil	100
5-YR FCI Score including Civil:	92



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
431	415	-16	-4%	724 327	57%	309								

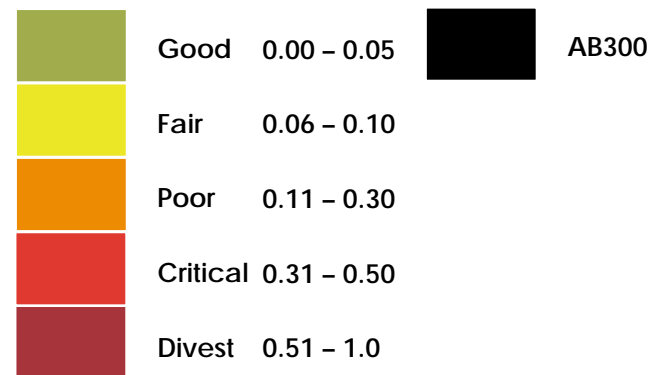
Helen Keller Middle School (Dual Immersion) – Facts & Figures

Location 7020 East Brittain Street Long Beach CA 90808 562.421.8851	Total Campus Area 10.08 Acres	Years Constructed 1954, 1955, 1956, 1970, 1987, 1988, 1997	Total Parking 56 Stalls	Total Building Area Permanent Construction 48,913 SF
Type 6-8	2021-2022 Enrollment 431	Factored Capacity 1,051	Permanent Capacity 724 Temporary Capacity 327	Total Building Area Portables 10,560 SF



Helen Keller Middle School (Dual Immersion) – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** No gymnasium provided
- B** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- C** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- D** Baseball not provided (included at other Middle Schools)
- E** Soccer facilities (not provided at other Middle Schools)
- F** Lack of shade trees at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play
- H** Gymnasium facilities not provided (included at other Middle Schools)



Helen Keller Middle School (Dual Immersion) – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

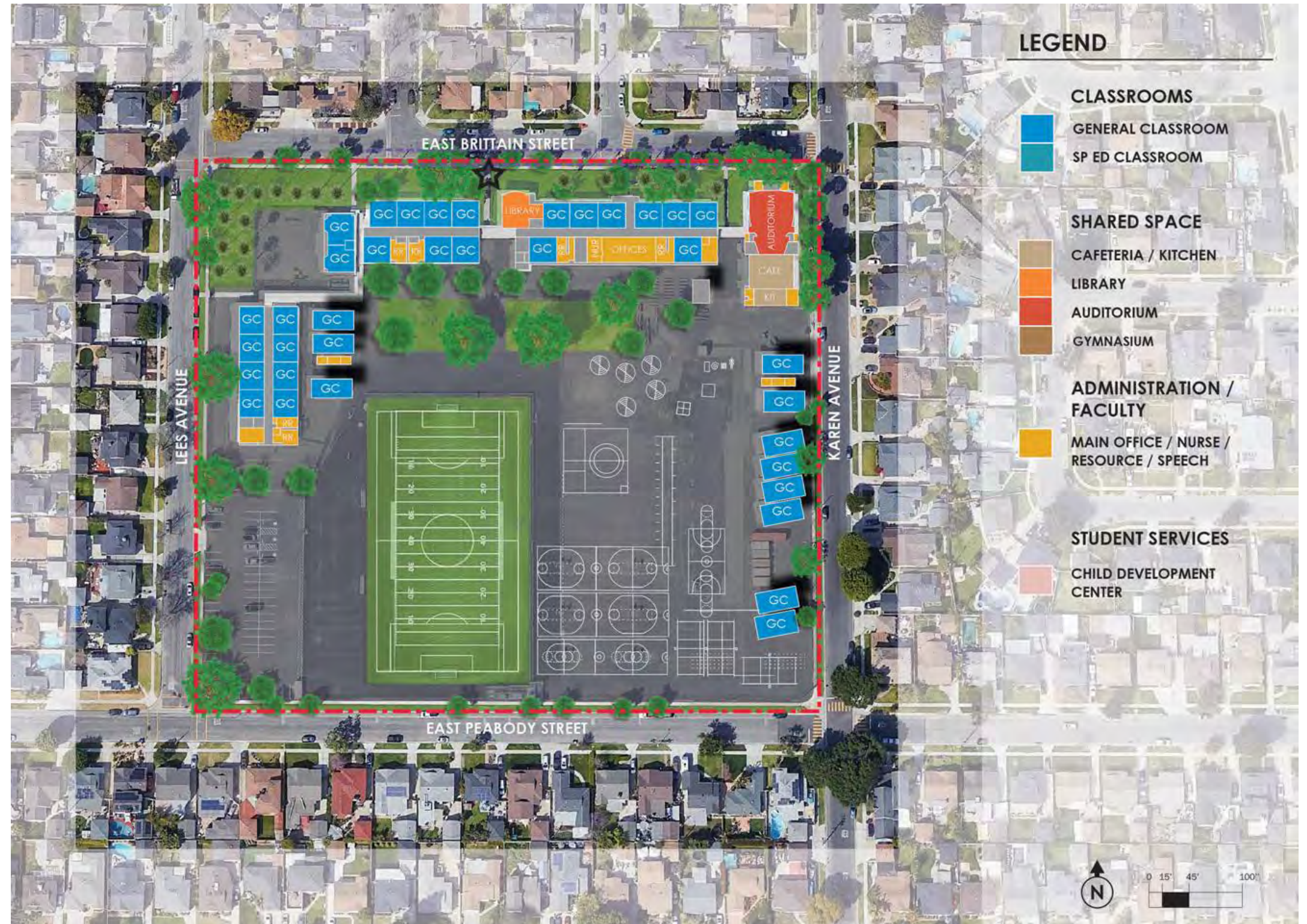
Type	#	Total SF
Permanent Classrooms	25	23,850
Portable Classrooms	11	10,560
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	36	34,410

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	431	1:35
Factored Capacity	1,051	
New Classrooms to Be Constructed	---	
Total # Loaded Classrooms Required		13
Current Classroom Count		36

2021-2022 Planning Capacity

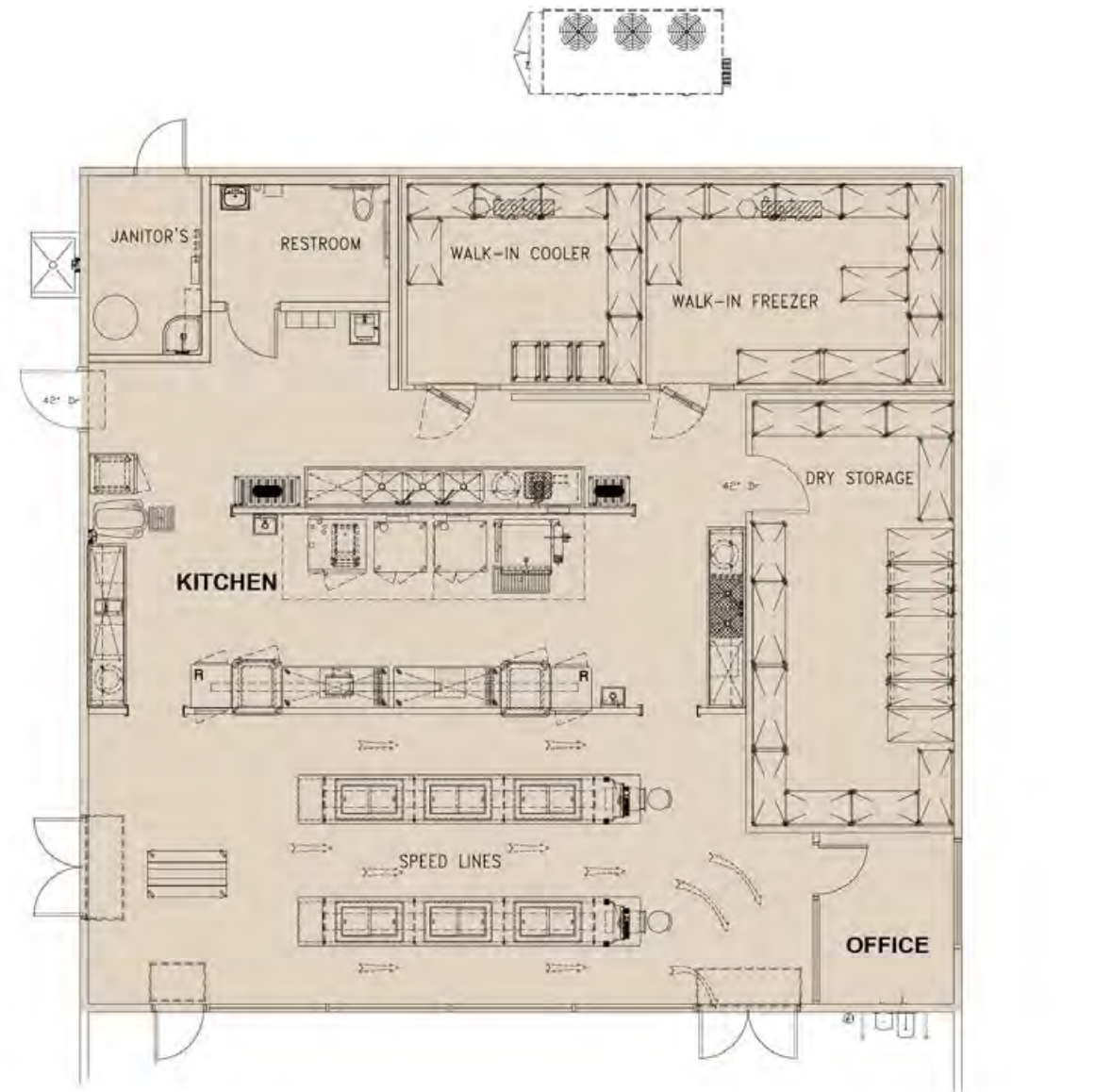
Category	Existing	Planning Capacity
Administration	3,274 SF	1,432 SF
Auditorium	3,858 SF	2,214 SF
Library	1,289 SF	1,302 SF
Nutrition Services		
Cafeteria	1,807 SF	1,475 SF
Food Service	726 SF	912 SF
Lunch Shelter	820 SF	1,302 SF
Site		
Playground	5.9 Acres	1.7 Acres
Parking	56 Stalls	33 Stalls



Summary Improvement Plan

Overall Evaluation:

At 726 square feet (including the Dry Storage area), the kitchen is undersized. The food service areas at Keller Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The service line is accessed by entering the primary kitchen. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. The dish-up lines lack recessed hot and cold wells. This requires that the meals must be pre-plated and served from a heated cart. Code requires a non-combustible wall covering below the exhaust hood. For cleanliness, EHS requires flashing from the top of the hood's outer perimeter to the ceiling. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated stanchions on the food guards, the wood window frames above the pot sink and the exposed wood guillotine style door are not EHS or NSF code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is an electrical outlet located directly above one of the sinks/tubs. This is a hazard. Per EHS requirements, air curtains should cover the full width of the door opening below. Currently, none of the air curtains in the cafeteria are full width. There is no ADA compliant workstation. There is no dedicated food preparation sink within the kitchen space. Reach-in freezer was not holding temperature at time of site visit. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



PROTOTYPE DESIGN

- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Lindbergh Middle School

1022 East Market Street
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6057814

Educational Specification
63

Facility Condition
87

Capacity Utilization
100



BUILDING DATA

Year Constructed
1935

Gross S.F.
112,174

Permanent Building Count
11

Oldest Building
1935

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	39	X	22%	9
Relationships and Collaboration	59	X	15%	9
Wellness	71	X	15%	11
Safety and Security	83	X	21%	17
Features in Learning Environment	69	X	13%	9
Operational Utility	62	X	14%	9
Educational Specification Score:				63

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	93
Plumbing	93
Mechanical	59
Fire Protection	100
Electrical	73
Communications	23
Safety and Security	49
Structural	100
5-YR FCI Score, buildings only:	
	85
Civil	94
5-YR FCI Score including Civil:	
	87



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
417	437	20	5%	1,200	36%	763	100	317	106	423	317	333	650	-227	56%
				268				75%	25%		49%	51%		-35%	530

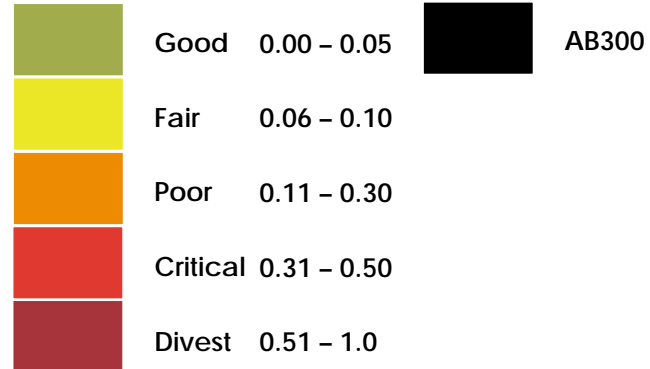
Lindbergh STEM Academy – Facts & Figures

<p>Location 1022 East Market Street Long Beach CA 90805 562.422.2845</p>	<p>Total Campus Area 15.98</p>	<p>Years Constructed 1935, 1936, 1937, 1950, 1968, 1987, 1995</p>	<p>Total Parking 73 Stalls</p>	<p>Total Building Area Permanent Construction 112,174 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 417</p>	<p>Factored Capacity 1,468</p>	<p>Permanent Capacity 1,200 Temporary Capacity 268</p>	<p>Total Building Area Portables 8,262 SF</p>



Lindbergh STEM Academy – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus

Activity Zone – Athletics/Physical Education

- B** Baseball not provided (included at other Middle Schools)
- C** Lack of shade trees at play area



Lindbergh STEM Academy – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	43	39,870
Portable Classrooms	9	8,262
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	52	48,841

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	417	1:35
Factored Capacity	1,468	
New Classrooms to Be Constructed		---
Total # Loaded Classrooms Required		13
Current Classroom Count		52

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,915 SF	1,482 SF
Auditorium	7,313 SF	2,290 SF
Gymnasium	5,122 SF	7,409 SF
Library	2,967 SF	0,000 SF
Nutrition Services		
Indoor Dining	3,013 SF	1,527 SF
Food Service	1,857 SF	943 SF
Lunch Shelter	2,100 SF	1,347 SF
Site		
Playground	7.6 Acres	1.7 Acres
Parking	73 Stalls	33 Stalls



Lindbergh STEM Academy – Nutrition Services Plan 2022-2032

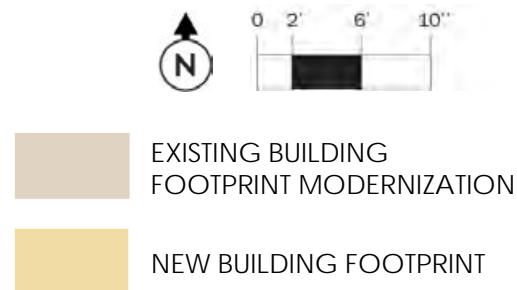
Summary Improvement Plan

Overall Evaluation:

At 2450 square feet (including the Dry Storage area), the kitchen is large for the student population and the number of meals served per day. The Lindbergh Middle School kitchen is a full production kitchen with the capability of preparing and serving far more meals than are currently served daily. The food service areas at Lindbergh Middle School meet most current ADA and EHS requirements. The kitchen's dedicated dry storage in conjunction with storage that is interspersed throughout the kitchen is adequate. Code requires that a hood must have specific overhang clearances to be deemed code compliant, however, this hood does not meet these requirements. Air curtains must have enough velocity to inhibit flying insects from entering through open doors/windows. One of the air curtains in the cafeteria is mounted at +18" above the door opening and two are mounted at +40" above the door opening. The cfm's on the existing units are not sufficient to meet EHS requirements. The Lindbergh Middle School kitchen has been updated and upgraded to meet most codes, however, it could benefit from some minor improvements to remedy the few areas where compliance falls short.



"TO FIT" DESIGN





Lindsey Middle School

5075 Daisy Avenue
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
0115535

Educational Specification
59

Facility Condition
93

Capacity Utilization
100



BUILDING DATA

Year Constructed
1998

Gross S.F.
55,500

Permanent Building Count
6

Oldest Building
1998

Newest Building
2007

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	35	X	22%	8
Relationships and Collaboration	57	X	15%	9
Wellness	67	X	15%	10
Safety and Security	87	X	21%	18
Features in Learning Environment	59	X	13%	8
Operational Utility	51	X	14%	7
Educational Specification Score:				59

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	95
Plumbing	98
Mechanical	91
Fire Protection	95
Electrical	63
Communications	78
Safety and Security	65
Structural	96
5-YR FCI Score, buildings only:	
	90
Civil	100
5-YR FCI Score including Civil:	
	93



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
712	645	-67	-9%	922 298	70%	277	613 85%	112 15%	725	613 71%	256 29%	869	-144 -17%	87% 120

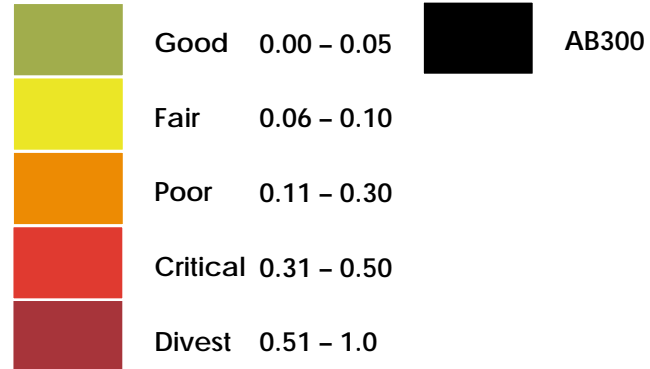
Lindsey Middle School – Facts & Figures

<p>Location 5075 Daisy Avenue Long Beach, CA 90805 562.423.6451</p>	<p>Total Campus Area 9.24 Acres</p>	<p>Years Constructed 1951, 1953, 1954, 1966, 1968, 1977, 1987, 1988</p>	<p>Total Parking 171 Stalls</p>	<p>Total Building Area Permanent Construction 39,381 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 712</p>	<p>Factored Capacity 1,220</p>	<p>Permanent Capacity 922 Temporary Capacity 298</p>	<p>Total Building Area Portables 9,600 SF</p>



Lindsey Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings

Activity Zone – Athletics/Physical Education

- C** Baseball not provided (included at other Middle Schools)
- D** Lack of lawn/turf area at main play area
- E** Lack of shade trees at play area
- F** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



LEGEND

- PERMANENT CONSTRUCTION
- MODULAR CONSTRUCTION
- SOLAR CANOPY
- SHADE CANOPY
- MAIN ENTRANCE
- DROP-OFF

Lindsey Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	30	28,464
Portable Classrooms	10	9,600
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	40	38,064

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	712	1:35
Factored Capacity	1,220	

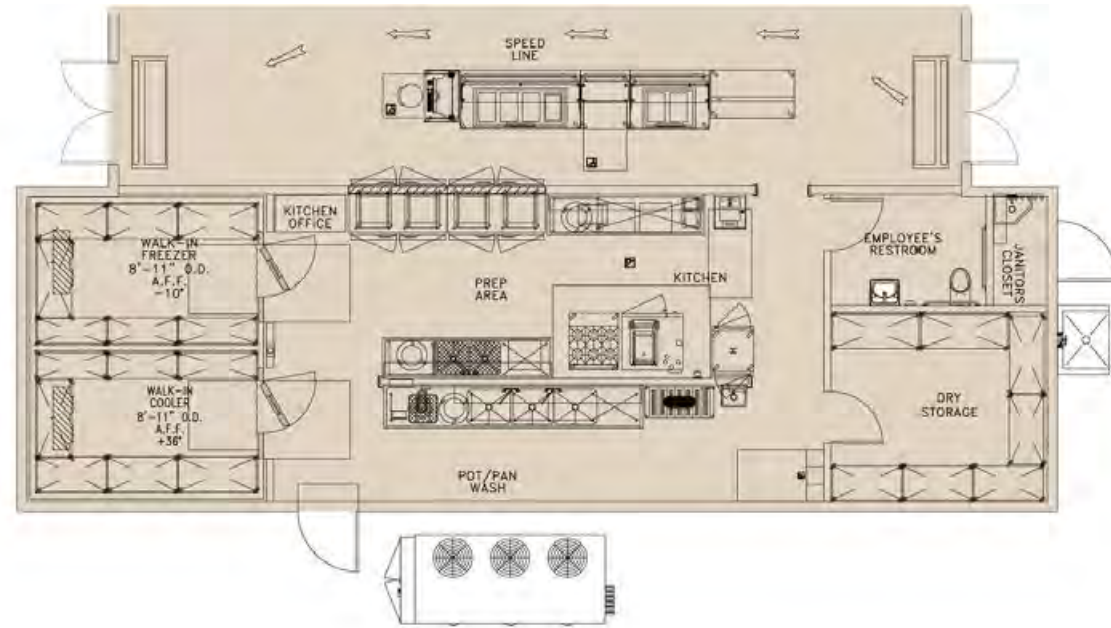
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	22
Current Classroom Count	40

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,785 SF	2,561 SF
Auditorium	4,142 SF	3,907 SF
Gymnasium	8,640 SF	-----
Library	1,747 SF	12,639 SF
Nutrition Services		
Cafeteria	1,420 SF	2,604 SF
Food Service	725 SF	1,609 SF
Lunch Shelter	1,020 SF	2,298 SF
Site		
Playground	4.4 Acres	2.0 Acres
Parking	171 Stalls	55 Stalls



Lindsey Middle School – Nutrition Services Plan 2022-2032

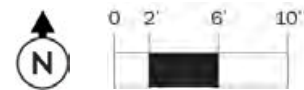


Summary Improvement Plan

Overall Evaluation:

At 725 square feet (including the Dry Storage area), the kitchen is small. The food service areas at Lindsey Middle School do not meet current ADA and EHS requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. There is no ADA compliant workstation. The cafeteria air curtains have been mounted off to one side of the door. Per EHS requirements, air curtains should cover the full width of the door opening below. The site has an additional Kiosk out of which food is served to the students, however, no food prep is done at the Kiosk. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an updated layout that provides a better flow.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Marshall Middle

5870 East Wardlow Road
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
6057822

Educational Specification
School Input Incomplete

Facility Condition
78

Capacity Utilization
100



BUILDING DATA

Year Constructed
1952

Gross S.F.
97,821

Permanent Building Count
8

Oldest Building
1952

Newest Building
1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	53
Plumbing	92
Mechanical	89
Fire Protection	98
Electrical	51
Communications	40
Safety and Security	40
Structural	98
5-YR FCI Score, buildings only:	69
Civil	100
5-YR FCI Score including Civil:	78



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
927	859	-68	-7%	1,250	69%	391	100	301	639	940	301	179	480	460	33%
				327				32%	68%		63%	37%		96%	838

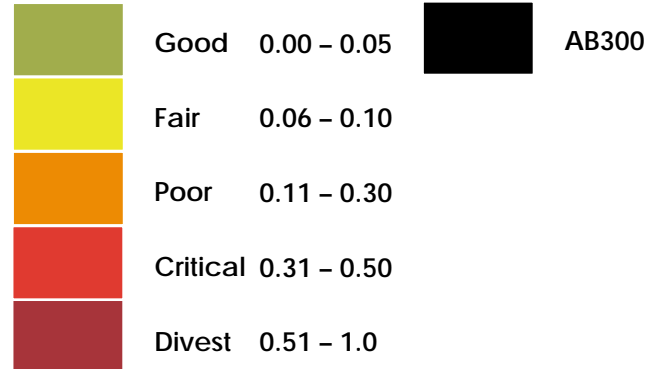
Marshall Academy of the Arts – Facts & Figures

<p>Location 5870 East Wardlow Road Long Beach CA 90808 562.429.7013</p>	<p>Total Campus Area 15.37 Acres</p>	<p>Years Constructed 1952, 1953, 1955, 1959, 1991</p>	<p>Total Parking 52 Stalls</p>	<p>Total Building Area Permanent Construction 97,821 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 927</p>	<p>Factored Capacity 1,577</p>	<p>Permanent Capacity 1,250 Temporary Capacity 327</p>	<p>Total Building Area Portables 9,600 SF</p>



Marshall Academy of the Arts – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A Baseball not provided (included at other Middle Schools)
- B Lack of shade trees at play area



Marshall Academy of the Arts – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	39	41,791
Portable Classrooms	11	10,560
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	50	52,351

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	927	1:35
Factored Capacity	1,577	
New Classrooms to Be Constructed	----	
Total # Loaded Classrooms Required		27
Current Classroom Count		50

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,752 SF	1,874 SF
Auditorium	5,273 SF	5,716 SF
Gymnasium	7,934 SF	10,869 SF
Library	2,634 SF	2,811 SF
Nutrition Services		
Cafeteria	2,508 SF	3,186 SF
Food Service	1,250 SF	1,218 SF
Lunch Shelter	N/A	2,811 SF
Site		
Playground	7.6 Acres	2.4 Acres
Parking	52 Stalls	68 Stalls

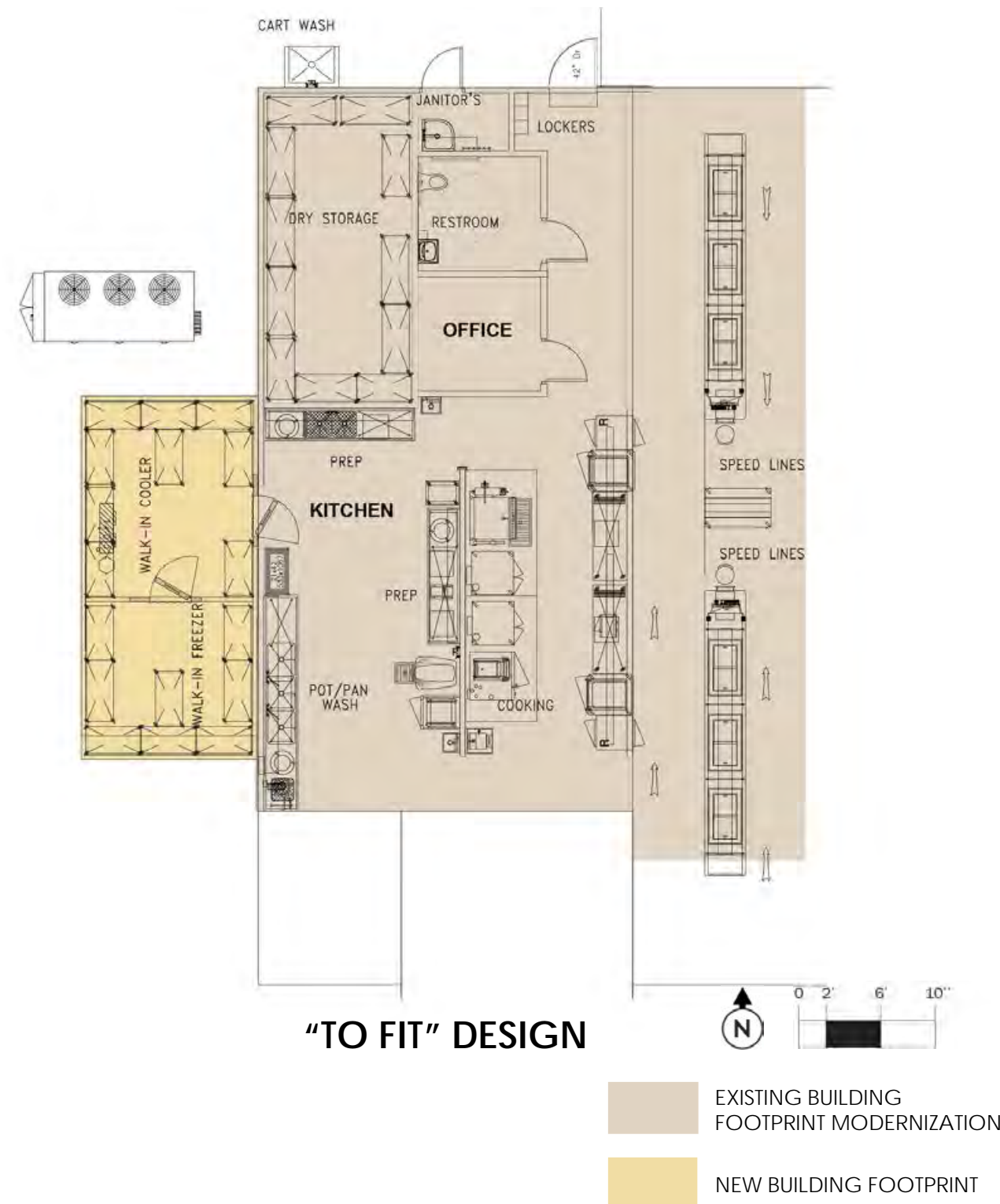


Marshall Academy of the Arts – Nutrition Services Plan 2022-2032

Summary Improvement Plan

Overall Evaluation:

At 1250 square feet (including the Dry Storage area), The Marshall Middle School kitchen is large. The food service areas at Marshall Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The remainder of dry storage is dispersed throughout the kitchen and servery areas. The service line is accessed by entering the primary kitchen. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated cabinet bases at the window servery area, the wood window ledge above the pot sink, the wood stem wall cap and the exposed wood guillotine style door are not EHS or NSF code compliant. Below the guillotine style door is an abandoned trash chute. It has been sealed with cardboard, duct tape and packing tape. There are no screens or air curtains at the service windows. The window service counter finishes at +44" AFF and is therefore not ADA accessible. There is an exit door in the cafeteria that does not have an EHS required, full width, plunger activated air curtain. There is one air curtain in the cafeteria, and it has been wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. At time of site visit, four large, refrigerated units had excessive condensation on their front facias and as a result, water was pooling below and in front of the units this is a hazard. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.





Jessie Nelson Academy

1951 Cherry Avenue
Signal Hill, CA 90755

Planning Area
Area E Polytechnic
School #
6015572

Educational Specification
66

Facility Condition
99

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
2012	103,000	3	2012	2012

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	55	X	22%	12
Relationships and Collaboration	53	X	15%	8
Wellness	67	X	15%	10
Safety and Security	90	X	21%	19
Features in Learning Environment	52	X	13%	7
Operational Utility	76	X	14%	11
Educational Specification Score:				66

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	98
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	90
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	
	98
Civil	100
5-YR FCI Score including Civil:	
	99



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
826	730	-96	-12%	913 0	80%	183	676 80%	164 20%	840	676 70%	283 30%	959	-119 -12%	95% 50

Nelson Academy – Facts & Figures

<p>Location 1951 Cherry Avenue Signal Hill CA 90755 562.591.6041</p>	<p>Total Campus Area 15.23 Acres</p>	<p>Years Constructed 2012</p>	<p>Total Parking 17 Stalls</p>	<p>Total Building Area Permanent Construction 48,528 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 826</p>	<p>Factored Capacity 913</p>	<p>Permanent Capacity 913 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Nelson Academy – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zone – Academic

A Shared Gymnasium and Auditorium (provided as separate facilities at other Middle Schools)

Activity Zone – Athletics/Physical Education

B Baseball not provided (included at other Middle Schools)

C Lack of shade trees at play area



Nelson Academy – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	30	30,450
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	30	30,450

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	826	1:35
Factored Capacity	913	

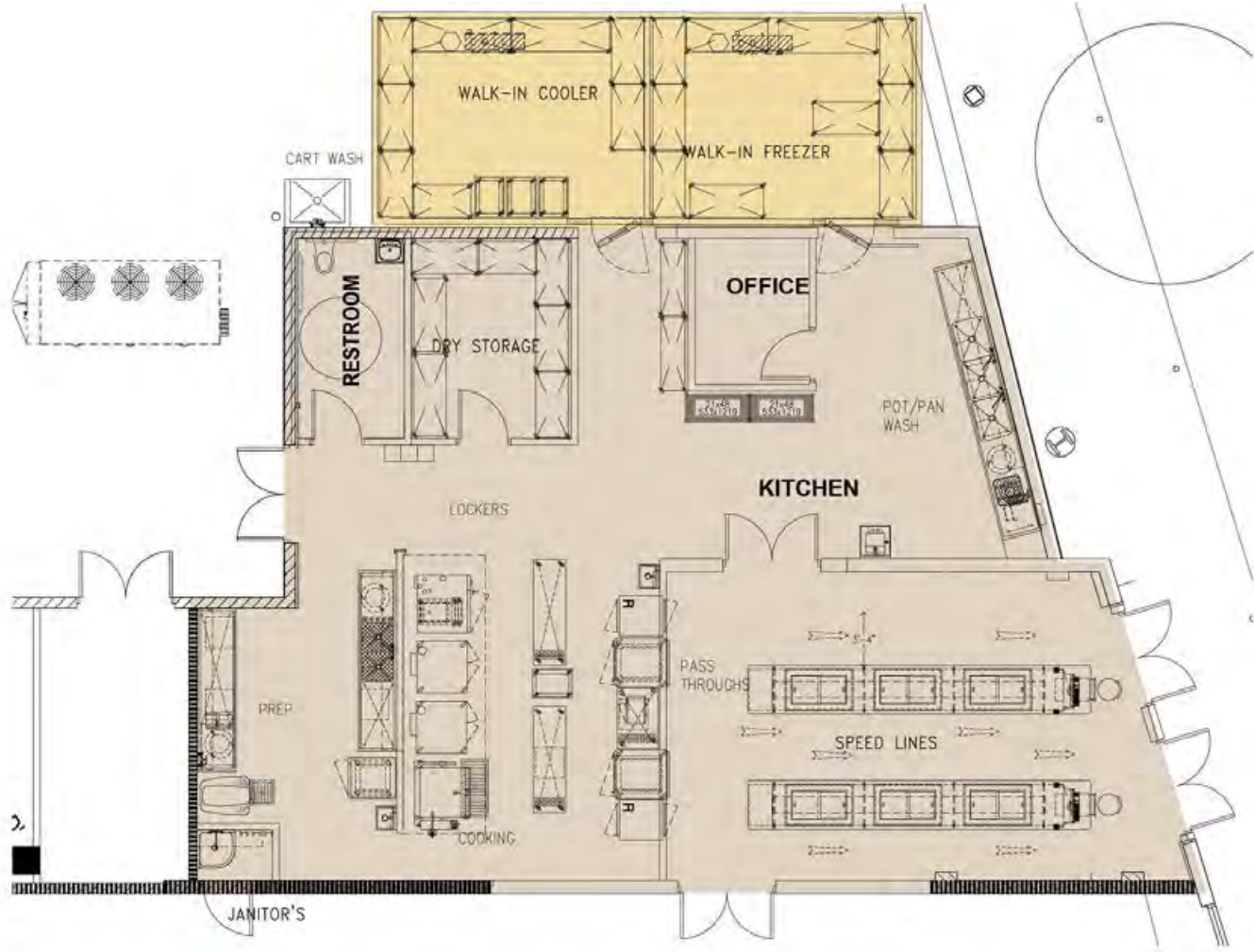
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	25
Current Classroom Count	30

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,410 SF	2,821 SF
Auditorium	1,416 SF	4,360 SF
Gymnasium	10,190 SF	14,108 SF
Library	2,322 SF	3,420 SF
Nutrition Services		
Cafeteria	2,092 SF	2,907 SF
Food Service	1,257 SF	1,796 SF
Lunch Shelter	N/A	2,565 SF
Site		
Playground	N/A	2.2 Acres
Parking	17 Stalls	63 Stalls



Nelson Academy – Nutrition Services Plan 2022-2032

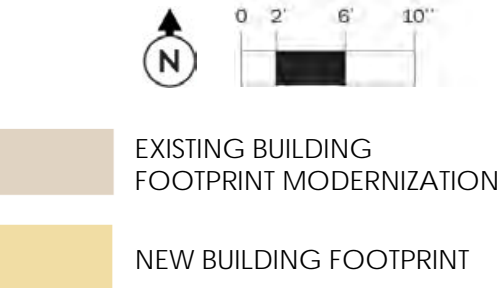


Summary Improvement Plan

Overall Evaluation:

Newly built in 2012, and the first school to be built with measure K, The Nelson Middle School kitchen is current, modern, and complies with EHS and ADA codes. At 1678 square feet (including the Dry Storage area), the kitchen is large and adequate for the current student population and serving style. The kitchen's dedicated dry storage is adequate. The service line is accessed within the cafeteria. The walk-in cooler view port had excessive condensation at time of site visit. The tray slides on the service counters are damaged/bent. The site could use some very minor improvements to address some issues seen at the time of the survey visit, however, this kitchen is well set up to meet and exceed the current number of meals served.

"TO FIT" DESIGN





Rogers Middle

365 Monrovia Avenue
Long Beach, CA 90980

Planning Area
Area F Wilson
School #
6057830

Educational Specification
60

Facility Condition
99

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	68,801	5	1935	2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	39	X	22%	9
Relationships and Collaboration	54	X	15%	8
Wellness	58	X	15%	9
Safety and Security	81	X	21%	17
Features in Learning Environment	69	X	13%	9
Operational Utility	61	X	14%	9
Educational Specification Score:				60

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score	
Architectural	98	
Plumbing	100	
Mechanical	100	
Fire Protection	100	
Electrical	100	
Communications	100	
Safety and Security	100	
Structural	100	
5-YR FCI Score, buildings only:		99
Civil	100	
5-YR FCI Score including Civil:		99



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
772	705	-67	-9%	843	84%	138	100	593	184	777	593	60	653	124	69%
				60				76%	24%		91%	9%		19%	257

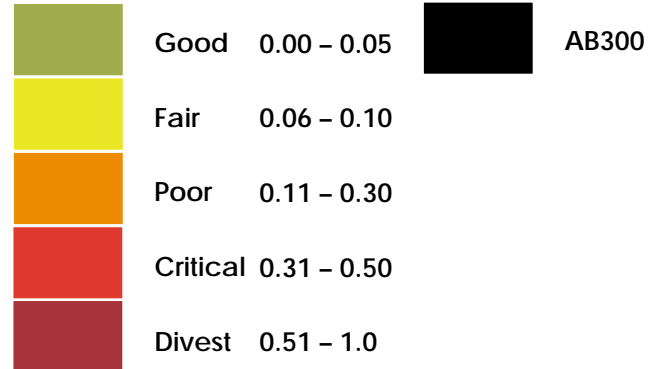
Will Rogers Middle School – Facts & Figures

<p>Location 356 Monrovia Avenue Long Beach CA 90803 562.434.7411</p>	<p>Total Campus Area 6.78 Acres</p>	<p>Years Constructed 1935, 1950, 1969, 1970</p>	<p>Total Parking -----</p>	<p>Total Building Area Permanent Construction 68,801 SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 772</p>	<p>Factored Capacity 903</p>	<p>Permanent Capacity 843 Temporary Capacity 60</p>	<p>Total Building Area Portables 7,680 SF</p>



Will Rogers Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Baseball not provided (included at other Middle Schools)
- B** Lack of shade trees at play area



Will Rogers Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	26	25,691
Portable Classrooms	2	1,920
◀ CAFM Designated Classroom w/Alt Use	6	5,760
Total Existing	34	33,371

Enrollment & Capacity

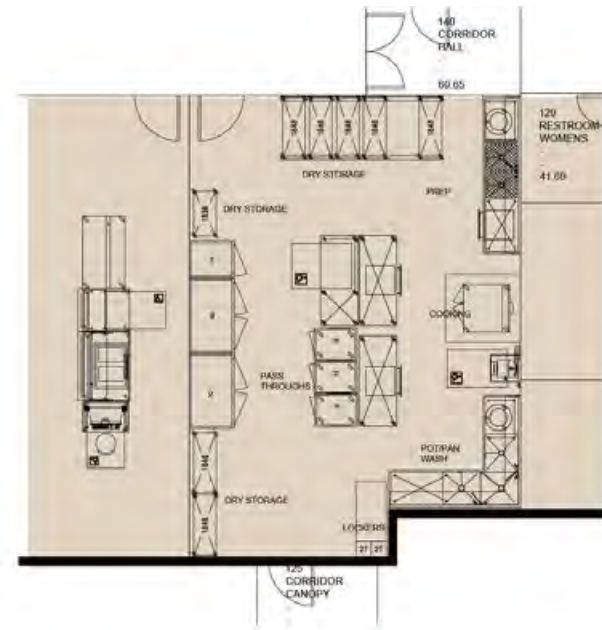
	Student Count	Loaded Clsm
2021-2022 Enrollment	772	1:35
Factored Capacity	903	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		23
Current Classroom Count		34

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,407 SF	2,633 SF
Auditorium	7,379 SF	4,070 SF
Gymnasium	14,724 SF	13,167 SF
Library	2,599 SF	3,192 SF
Nutrition Services		
Cafeteria	1,263 SF	2,713 SF
Food Service	635 SF	1,676 SF
Lunch Shelter	2,600 SF	2,394 SF
Site		
Playground	2.7 Acres	2.0 Acres
Parking	N/A	58 Stalls



Will Rogers Middle School – Nutrition Services Plan 2022-2032

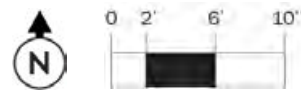


Summary Improvement Plan

Overall Evaluation:

At 635 square feet, the kitchen is undersized. The food service areas at Rogers Middle School do not meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage located in the ambient room created by the walk-in cooler and walk-in freezer. The layout space for landing chilled product and reheated product is inadequate. The service line is accessed within the kitchen space. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by a walk-in cooler. The walk-in cooler wall panels are delaminated. There is a possibility of mold within the walls because of this condition and the units should be evaluated by a professional to determine if this is a hazardous condition. The walk-in freezer door has no self-closing mechanism and ice is forming on the interior of the door. The floor sink below the food preparation sink is not easily accessible for cleaning. The air curtains in both the kitchen are wired to be switch activated and were not operational at time of site visit. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. There are two exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

“TO FIT” DESIGN



- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Stanford Middle

5871 East Los Arcos Street
Long Beach, CA 90815

Planning Area
Area C Millikan
School #
6061378

Educational Specification
School Input Incomplete

Facility Condition
84

Capacity Utilization
100



BUILDING DATA

Year Constructed
1953

Gross S.F.
97,718

Permanent Building Count
8

Oldest Building
1953

Newest Building
1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
-------------	------------------

- Architectural: 63
- Plumbing: 89
- Mechanical: 78
- Fire Protection: 96
- Electrical: 91
- Communications: 94
- Safety and Security: 100
- Structural: 95
- 5-YR FCI Score, buildings only: 78
- Civil: 99
- 5-YR FCI Score including Civil: 84



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
1,192	1,123	-69	-6%	1,160 268	97%	37	728 61%	467 39%	1,195	728 83%	148 17%	876	319 36%	70% 353

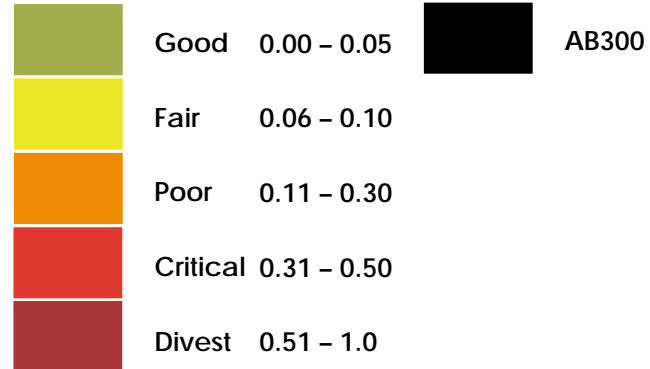
Stanford Middle School – Facts & Figures

Location 5871 Los Arcos Street Long Beach CA 90815	Total Campus Area 15.16 Acres	Years Constructed 1936, 1953, 1954, 1955, 1959	Total Parking 34 Stalls	Total Building Area Permanent Construction 97,718 SF
Type 6-8	2021-2022 Enrollment 1,192	Factored Capacity 1,428	Permanent Capacity 1,160 Temporary Capacity 268	Total Building Area Portables 8,640 SF



Stanford Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Baseball not provided (included at other Middle Schools)
- B** Lack of shade trees at play area



Stanford Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	37	37,150
Portable Classrooms	9	8,640
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	46	45,790

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	1,192	1:35
Factored Capacity	1,428	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		34
Current Classroom Count		46

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,827 SF	2,382 SF
Auditorium	5,961 SF	7,265 SF
Gymnasium	17,554 SF	13,816 SF
Library	2,406 SF	3,573 SF
Nutrition Services		
Cafeteria	2,945 SF	4,049 SF
Food Service	1,153 SF	1,548 SF
Lunch Shelter	1,640 SF	3,573 SF
Site		
Playground	7.7 Acres	2.9 Acres
Parking	34 Stalls	85 Stalls



Stanford Middle School – Nutrition Services Plan 2022-2032

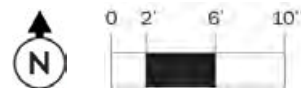
Summary Improvement Plan

Overall Evaluation:

At 1153 square feet (including the Dry Storage area), the kitchen is large. The food service areas at Stanford Middle School are largely meeting current ADA or EHS requirements. The primary service line is accessed by entering the kitchen. The window service cabinet finishes at +35" AFF and has no ADA compliant workstation. There are no screens or air curtains at the service windows. One window is ADA Accessible to students. There are two double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. Though the Stanford Middle School kitchen has been updated and upgraded to meet most codes, however, it could benefit from some minor improvements to remedy the few areas where compliance falls short.



"TO FIT" DESIGN



- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT



Stephens Middle

1830 West Columbia Street
Long Beach, CA 90810

Planning Area
Area D Cabrillo
School #
6057848

Educational Specification
56

Facility Condition
94

Capacity Utilization
100



BUILDING DATA

Year Constructed
1945

Gross S.F.
90,897

Permanent Building Count
6

Oldest Building
1945

Newest Building
1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	34	X	22%	7
Relationships and Collaboration	53	X	15%	8
Wellness	66	X	15%	10
Safety and Security	61	X	21%	13
Features in Learning Environment	73	X	13%	9
Operational Utility	64	X	14%	9
Educational Specification Score:				56

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	95
Plumbing	95
Mechanical	93
Fire Protection	94
Electrical	70
Communications	79
Safety and Security	91
Structural	97
5-YR FCI Score, buildings only:	
	92
Civil	100
5-YR FCI Score including Civil:	
	94



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
802	646	-156	-19%	1,041	62%	395	100	567	236	803	567	434	1,001	-198	81%
				298				71%	29%		57%	43%		-20%	196

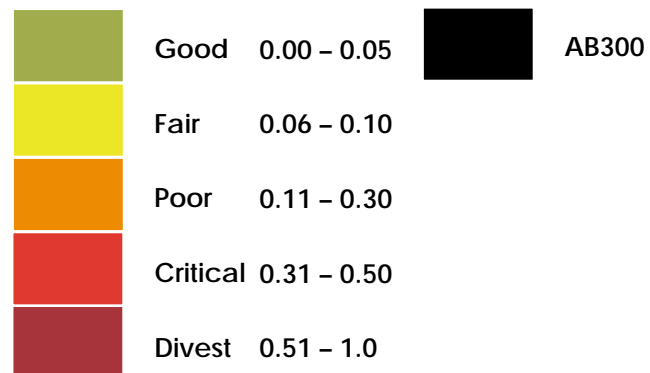
Stephens Middle School – Facts & Figures

<p>Location 1830 West Columbia Street Long Beach CA 90810 562.595.0841</p>	<p>Total Campus Area 16.23 Acres</p>	<p>Years Constructed 1945, 1949, 1957, 1966, 1969, 1970, 1986, 1993, 1997</p>	<p>Total Parking 80 Stalls</p>	<p>Total Building Area Permanent Construction 90,897SF</p>
<p>Type 6-8</p>	<p>2021-2022 Enrollment 802</p>	<p>Factored Capacity 1,339</p>	<p>Permanent Capacity 1,041 Temporary Capacity 298</p>	<p>Total Building Area Portables 11,520 SF</p>



Stephens Middle School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Baseball not provided (included at other Middle Schools)
- B** Soccer facilities (not provided at other Middle Schools)
- C** Lack of shade trees at play area
- D** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Stephens Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	33	35,711
Portable Classrooms	10	9,600
◀ CAFM Designated Classroom w/Alt Use	2	1,920
Total Existing	45	47,231

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	845	1:35
Factored Capacity	1,339	

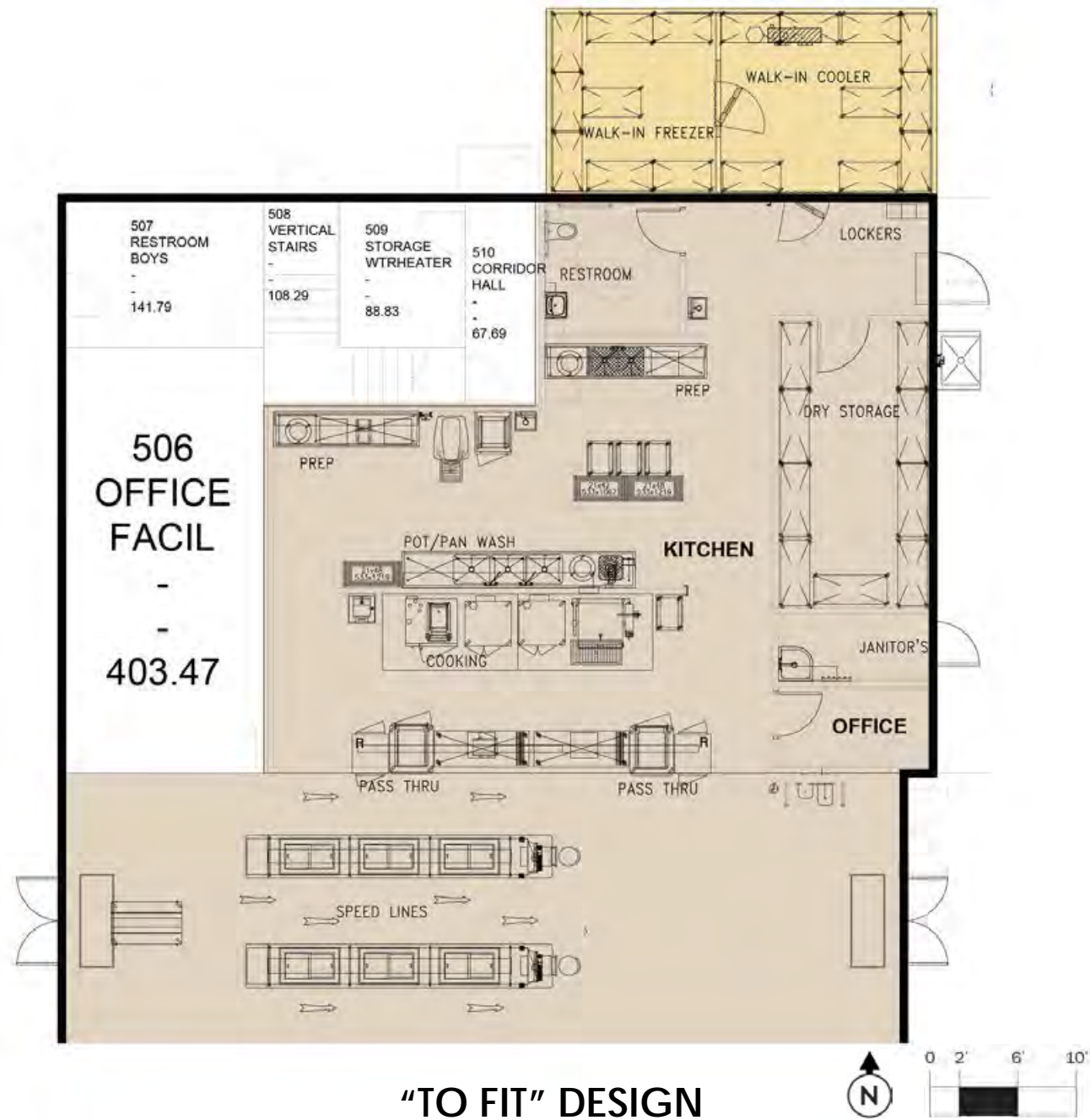
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	24
Current Classroom Count	45

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,466 SF	2,786 SF
Auditorium	6,040 SF	4,310 SF
Gymnasium	18,559 SF	13,943 SF
Library	2,664 SF	3,380 SF
Nutrition Services		
Cafeteria	2,542 SF	2,873 SF
Food Service	1,666 SF	1,775 SF
Lunch Shelter	N/A	2,535 SF
Site		
Playground	N/A	2.2 Acres
Parking	80 Stalls	60 Stalls



Stephens Middle School – Nutrition Services Plan 2022-2032



“TO FIT” DESIGN

- EXISTING BUILDING FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

Summary Improvement Plan

Overall Evaluation:

Overall Evaluation: At 1666 square feet (including the Dry Storage area), the kitchen is undersized and poorly laid out. The servery is located within the kitchen and there is no dedicated Dry storage room. Instead, there are several wire shelves within the kitchen being utilized for Dry Storage. The kitchen lacks sufficient dedicated dry storage. The food service areas at Stephens Middle School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The service line is accessed by entering the primary kitchen. One of the ingress lines is down a hallway and past the employee restroom and the janitor’s closet. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. The hood must also have certain overhang clearances to be deemed code compliant. The existing hood is outdated, undersized and out of code. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated storage cabinet and the painted wood guillotine style door are not EHS or NSF code compliant. The tray rail at the primary service line has been modified. It currently has a round bar welded to the front facia and debris gathers in the crease. This does not meet NSF requirements. One of the tray rails is separating at the welded seams. There are no screens or air curtains at the window servery. The air curtains in the cafeteria are not full width. Per EHS requirements, air curtains must cover the full width of the door opening below. At time of site visit, the door frame at the kitchens exit was rotting at the hinges. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



Washington Middle

1450 Cedar Avenue
Long Beach, CA 90813

Planning Area
Area D Cabrillo
School #
6061386

Educational Specification
56

Facility Condition
86

Capacity Utilization
100



BUILDING DATA

Year Constructed
1935

Gross S.F.
113,717

Permanent Building Count
5

Oldest Building
1935

Newest Building
1992

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	20	X	22%	4
Relationships and Collaboration	56	X	15%	8
Wellness	60	X	15%	9
Safety and Security	85	X	21%	18
Features in Learning Environment	57	X	13%	7
Operational Utility	61	X	14%	9
Educational Specification Score:				56

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	76
Plumbing	88
Mechanical	88
Fire Protection	100
Electrical	99
Communications	99
Safety and Security	100
Structural	99
5-YR FCI Score, buildings only:	
	86
Civil	83
5-YR FCI Score including Civil:	
	86



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
938	891	-47	-5%	1,448	62%	557	100	875	84	959	875	622	1,497	-538	100%
				60				91%	9%		58%	42%		-36%	-2

George Washington Middle School – Facts & Figures

Location 1450 Cedar Avenue Long Beach CA 90813 562.591.2434	Total Campus Area 5.11 Acres	Years Constructed 1935, 1936, 1957	Total Parking 66 Stalls	Total Building Area Permanent Construction 113,717 SF
Type 6-8	2021-2022 Enrollment 938	Factored Capacity 1,508	Permanent Capacity 1,448 Temporary Capacity 60	Total Building Area Portables 1,920 SF



George Washington Middle School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Baseball not provided (included at other Middle Schools)
- B** Lack of shade trees at play area
- C** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



George Washington Middle School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	50	42,862
Portable Classrooms	2	1,920
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	52	42,862

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	938	1:35
Factored Capacity	1,508	
New Classrooms to Be Constructed	----	
Total # Loaded Classrooms Required		29
Current Classroom Count		52

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,057 SF	1,994 SF
Gymnasium	14,535 SF	6,082 SF
Library	3,933 SF	11,565 SF
Nutrition Services		
Cafeteria	2,502 SF	3,390 SF
Food Service	1,646 SF	1,296 SF
Lunch Shelter	N/A	2,991 SF
Site		
Playground	1.7 Acres	2.5 Acres
Parking	66 Stalls	73 Stalls

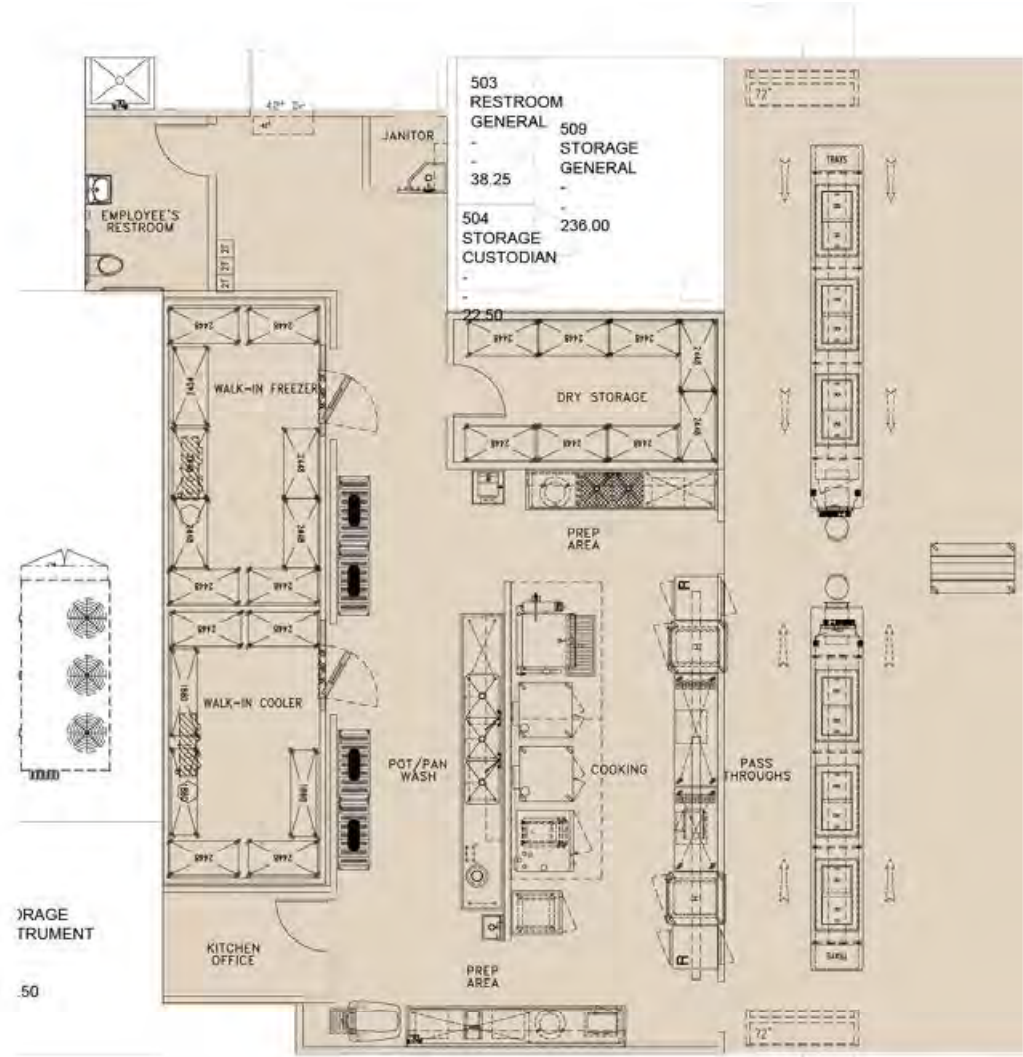


George Washington Middle School – Nutrition Services Plan 2022-2032

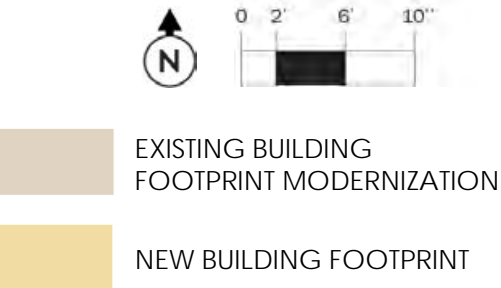
Summary Improvement Plan

Overall Evaluation:

At an overall size of 1646 square feet, the kitchen is adequately sized for the current student population and service style, however, the food service areas at Washington Middle School do not meet current EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen has sufficient dedicated dry storage. Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood window service counters are not EHS or NSF code compliant. There are no screens or air curtains at the service windows. The exhaust hood is undersized for the existing equipment. Code requires that a hood must have specific overhang clearances to be deemed code compliant. This hood does not meet these requirements. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs..



“TO FIT” DESIGN



C Facility Reports: High Schools



Facility Reports: High Schools

The appendices contain detailed facility reports highlighting critical facts and assessment findings that support the development, prioritization, and implementation of capital improvements. These reports include:

1. Facility Assessment Summary (Educational Specification, Facility Condition, & Capacity)
2. Critical Fact Sheet
3. Existing Campus Overview (Siteplan, Building Condition, Observations)
4. Existing Space Utilization (Classroom Count/Area, Core Spaces, Standards)
5. Nutrition Services Plan (Kitchen Improvements)

Schools are included in the following order:

- | | |
|----------|-------------|
| Beach | Millikan |
| Browning | PAAL |
| Cabrillo | Polytechnic |
| CAMS | Reid |
| EPHS | Renaissance |
| Jordan | Sato |
| Lakewood | Wilson |
| McBride | |



Alice M. Birney Elementary School – Facts & Figures

Location 110 West Spring Street Long Beach, CA 90801 562.437.6212	Total Campus Area 8.03 Acres	Years Constructed 1950, 1952, 1954, 1948, 1988, 1990, 1993, 1994, 1997, 1998, 2001, 2002	Total Parking 41 Stalls	Total Building Area Permanent Construction 36,007 SF
Type TK-5	2021-2022 Enrollment 502	Factored Capacity 855	Permanent Capacity 399 Temporary Capacity 456	Total Building Area Portables 22,080 SF



Alice M. Birney Elementary School – Existing Space Utilization



Alice M. Birney Elementary School – Existing Campus



Alice M. Birney Elementary School – Nutrition Services Plan 2022-2032



Beach


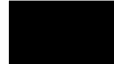




Beach Independent Study – Facts & Figures

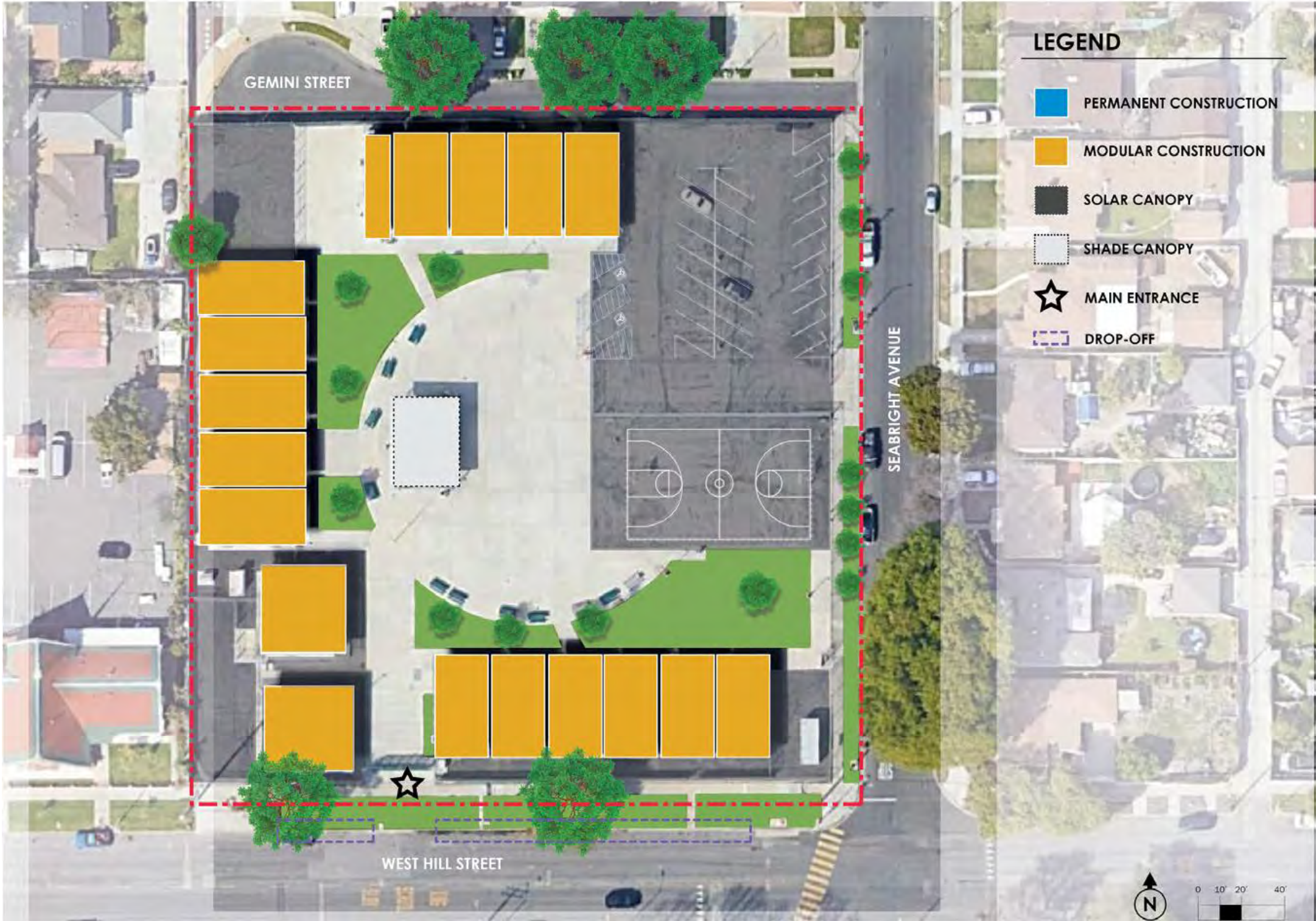
Location 2153 West Hills Street Long Beach CA 90810	Total Campus Area 3.44 Acres	Years Constructed 1935, 1936, 1941, 1963	Total Parking 26 Stalls	Total Building Area Permanent Construction -----
Type 9-12	2021-2022 Enrollment 144	Maximum Enrollment 420	Permanent Capacity ----- Temporary Capacity 420	Total Building Area Portables 16,320 SF



Beach Independent Study – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		



Beach Independent Study – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	----	----
Portable Classrooms	14	13,440
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	14	13,440

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	144	1:35
Factored Capacity	420	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	4
Current Classroom Count	14

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,586 SF	475 SF
Library	-----	576 SF
Multipurpose	-----	----
Nutrition Services		
Cafeteria	960 SF	490 SF
Food Service	540 SF	----
Lunch Shelter	-----	----
Site		
Playground	3.4 Acres	1.4 Acres
Parking	26 Stalls	10 Stalls



Beach Independent Study – Nutrition Services Plan 2022-2032

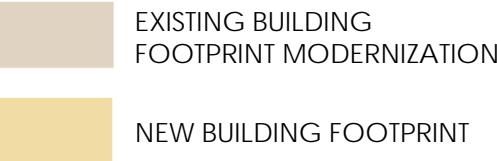


Summary Improvement Plan

Overall Evaluation:

At 540 square feet (including the Dry Storage area), the Reid High School kitchen is small, however, it is adequate for the 2021-2022 Enrollment and service model. The food service areas at Reid High School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dry storage (which shares space with the supervisor's office). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood dry storage shelving, the wood service counter and the wood cabinet with the drop-in sink are not EHS code compliant. There are no ADA compliant workstations within the kitchen or servery spaces. There are two exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN





Richard D. Browning High

Planning Area
Area F Wilson
School #
0135525

Educational Specification
59

Facility Condition
Facility not assessed

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
0	7,800	4	0	2017

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	40	X	22%	9
Relationships and Collaboration	42	X	15%	6
Wellness	69	X	15%	10
Safety and Security	92	X	21%	19
Features in Learning Environment	76	X	13%	10
Operational Utility	33	X	14%	5
Educational Specification Score:				59

FACILITY CONDITION ASSESSMENT

Facility not assessed



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
327	403	76	23%	446 0	90%	43									

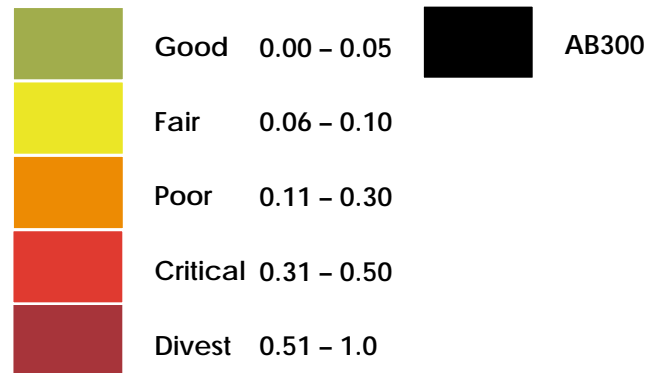
Browning High School – Facts & Figures

Location 2180 Obispo Avenue Long Beach CA 90804 562.997.1700	Total Campus Area 10.23 Acres	Years Constructed 2016	Total Parking 258 Stalls	Total Building Area Permanent Construction 31,019
Type 9-12	2021-2022 Enrollment 327	Factored Capacity 446	Permanent Capacity 446 Temporary Capacity 0	Total Building Area Portables -----



Browning High School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

A School not provided with equivalent High School amenities, including Gymnasium and Performance Theater

Activity Zone – Athletics/Physical Education

B School not provided with equivalent High School outdoor athletic facilities

C Lack of shade trees and canopies at outdoor areas

D Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Browning High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	30	29,760
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	30	29,760

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	327	1:35
Factored Capacity	446	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		10
Current Classroom Count		30

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,441 SF	1,132 SF
Gymnasium	7,843 SF	5,659 SF
Library	4,846 SF	1,372 SF
Nutrition Services		
Cafeteria/MPR	4,722 SF	1,749 SF
Food Service	3,738 SF	720 SF
Lunch Shelter	6,740 SF	1,029 SF
Site		
Playground	4.6 Acres	1.4 Acres
Parking	258 Stalls	25 Stalls



Browning High School – Nutrition Services Plan 2022-2032

COMPLIANT

Summary Improvement Plan

Overall Evaluation:

Browning High School is a newer kitchen with full production capabilities. The Browning High School kitchen is large and adequate for the 2021-2022 Enrollment and service model and will be able to handle any future increases in student population and daily meal units. The food service areas at Browning High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. The Browning High School kitchen has been updated and upgraded to comply with current codes.



Cabrillo High

2001 Santa Fe Avenue
Long Beach, CA 90810

Planning Area
Area D Cabrillo
School #
1995935

Educational Specification
School Input Incomplete

Facility Condition
92

Capacity Utilization
100



BUILDING DATA

Year Constructed
1998

Gross S.F.
268,690

Permanent Building Count
15

Oldest Building
1998

Newest Building
2002

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	83
Plumbing	99
Mechanical	76
Fire Protection	98
Electrical	96
Communications	98
Safety and Security	100
Structural	98
5-YR FCI Score, buildings only:	88
Civil	100
5-YR FCI Score including Civil:	92



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
1,923	1,803	-120	-6%	3,807 341	47%	2,004	1,461 78%	409 22%	1,870	1,461 51%	1,417 49%	2,878	-1,008 -35%	72% 1,049

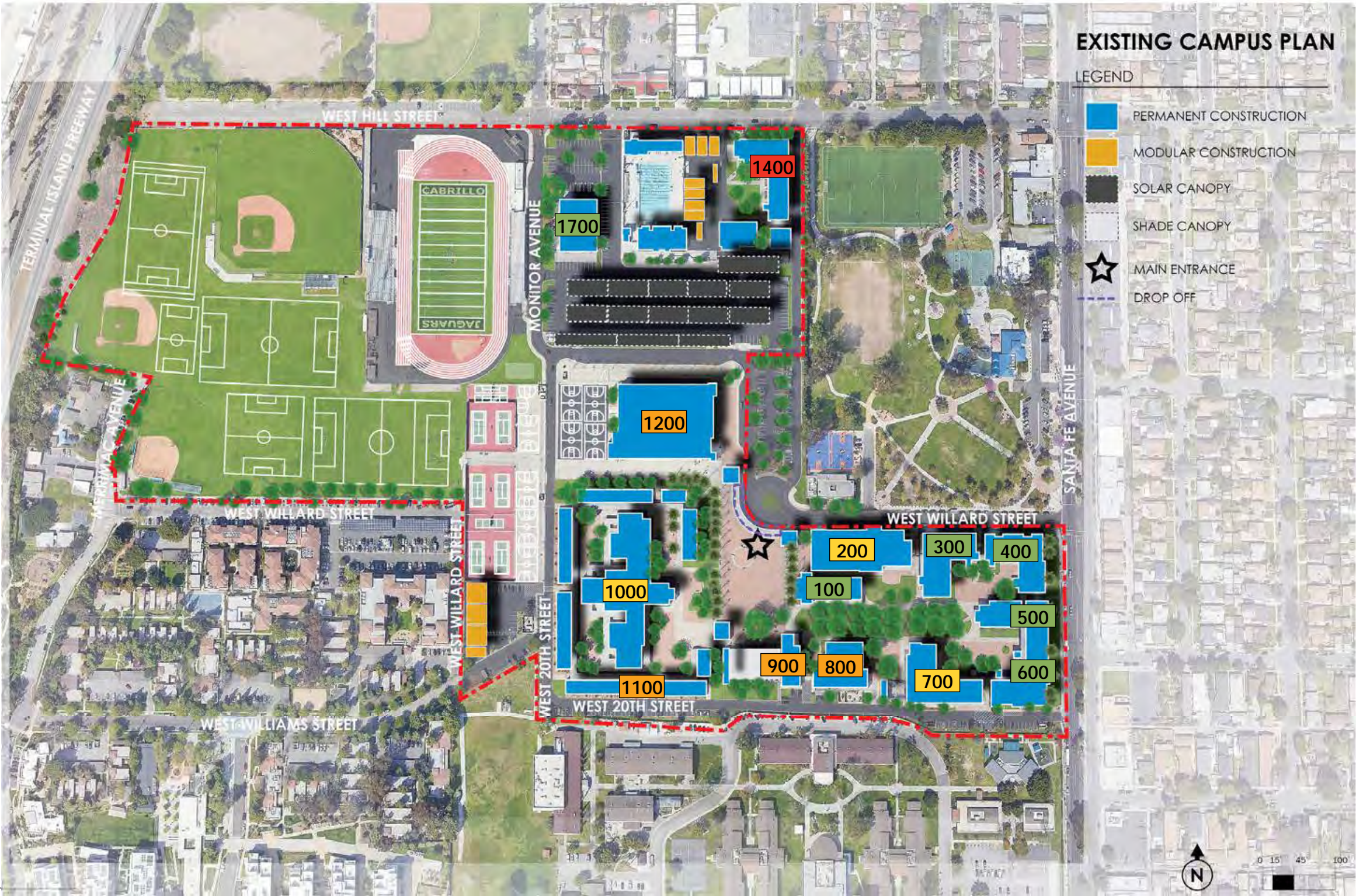
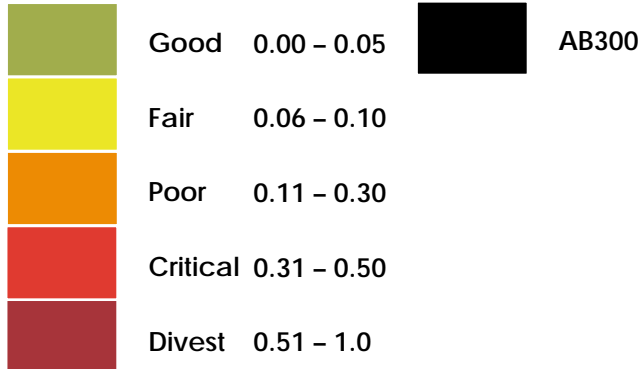
Cabrillo High School – Facts & Figures

Location 2001 Santa Fe Avenue Long Beach CA 90810 562.951.7700	Total Campus Area 56 Acres	Years Constructed 2001, 2002, 2003, 2004	Total Parking 560 Stalls	Total Building Area Permanent Construction 260,695 SF
Type 9-12	2021-2022 Enrollment 1,923	Factored Capacity 4,148	Permanent Capacity 3,807 Temporary Capacity 341	Total Building Area Portables 12,480 SF



Cabrillo High School – Existing Campus

Facility Condition (by Bldg)



Cabrillo High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	142	136,320
Portable Classrooms	13	12,480
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	155	148,800

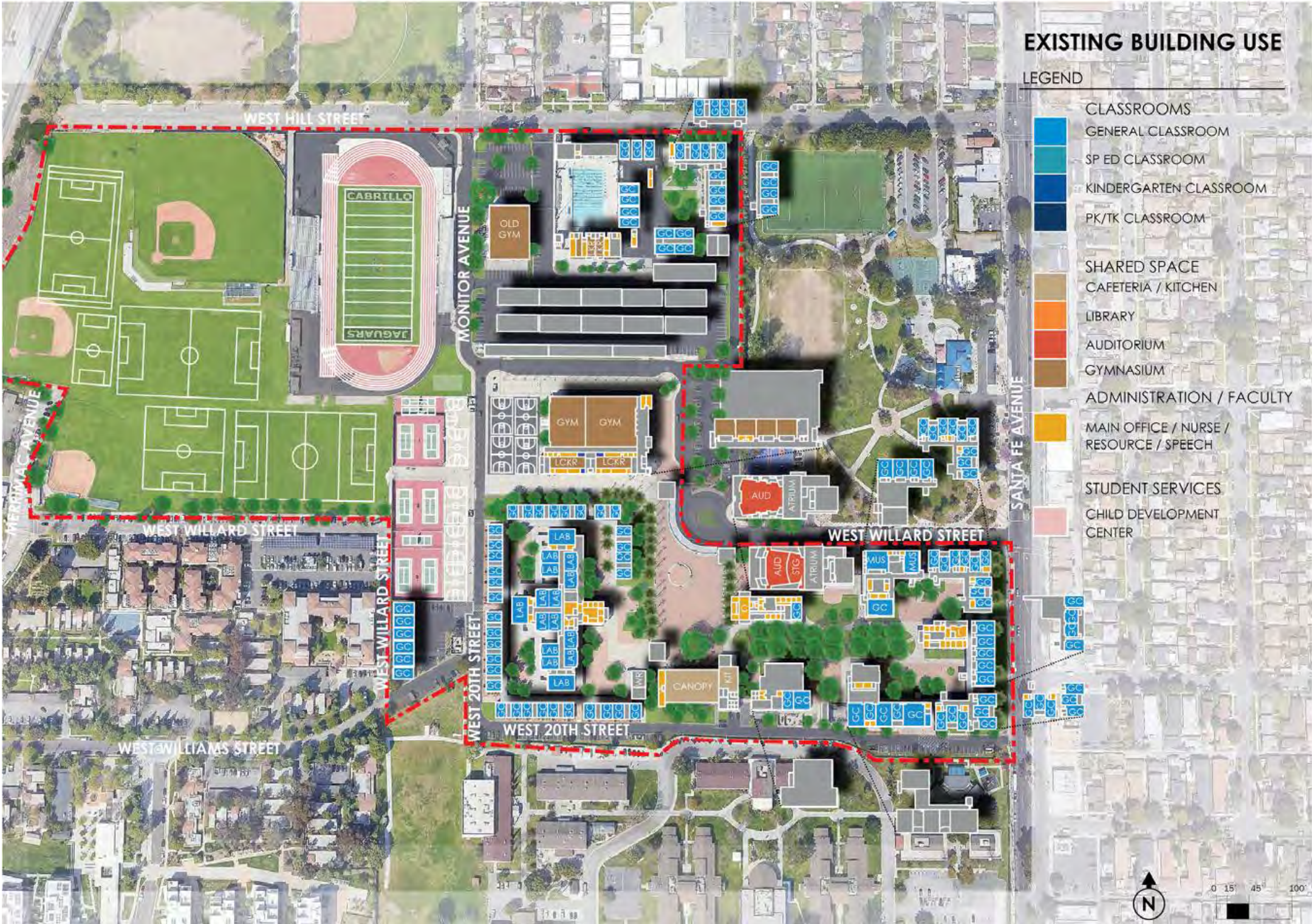
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	1,932	1:35
Factored Capacity	4,148	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	59
Current Classroom Count	155

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	13,269 SF	3,699 SF
Auditorium	12,499 SF	11,919 SF
Gymnasium	15,255 SF	20,916 SF
Library	7,416 SF	7,192 SF
Nutrition Services		
Cafeteria	----	6,987 SF
Food Service	2,344 SF	2,261 SF
Lunch Shelter	7,600 SF	6,165 SF
Site		
Playground	16.2 Acres	xx Acres
Parking	560 Stalls	148 Stalls





Summary Improvement Plan

Overall Evaluation:

At an overall square footage of 2344, the Cabrillo High School kitchen is large. This space is adequate for the 2021-2022 Enrollment and service model. The food service areas at Cabrillo High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. The walk-in freezer wall panels are delaminated. There is a possibility of mold within the walls because of this condition and the units should be evaluated by a professional to determine if this mold is present. The walk-in freezer was not operational at time of site visit. The walk-in cooler has a slow drip onto the floor from between two ceiling panels. This is a hazard. The air curtains in both remote kiosks are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. One of the air curtains in the kitchen was not operational at time of site visit. Though this site has been updated and meets most current codes, it would benefit from some minor repairs and improvements to address existing EHS and ADA code issues.

"TO FIT" DESIGN

CAMS

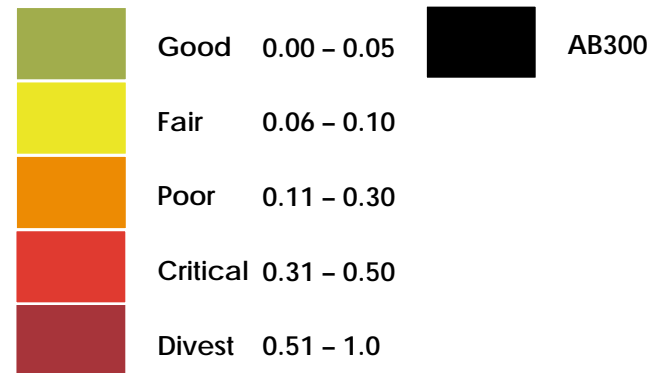
California Academy of Mathematics & Science – Facts & Figures CAMS

Location 1000 East Victoria Street Carson CA 90747 310.243.2025	Total Campus Area 236.46 Acres (Not LBUSD)	Years Constructed 2018	Total Parking -----	Total Building Area Permanent Construction 29,192 SF
Type 9-12	2021-2022 Enrollment 667	Factored Capacity 945	Permanent Capacity 945 Temporary Capacity 0	Total Building Area Portables -----



California Academy of Mathematics & Science – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

A School not provided with equivalent High School amenities, including Gymnasium and Performance Theater

Activity Zone – Athletics/Physical Education

B School not provided with equivalent High School outdoor athletic facilities

C Lack of shade trees and canopies at outdoor area

D Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



California Academy of Mathematics & Science – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

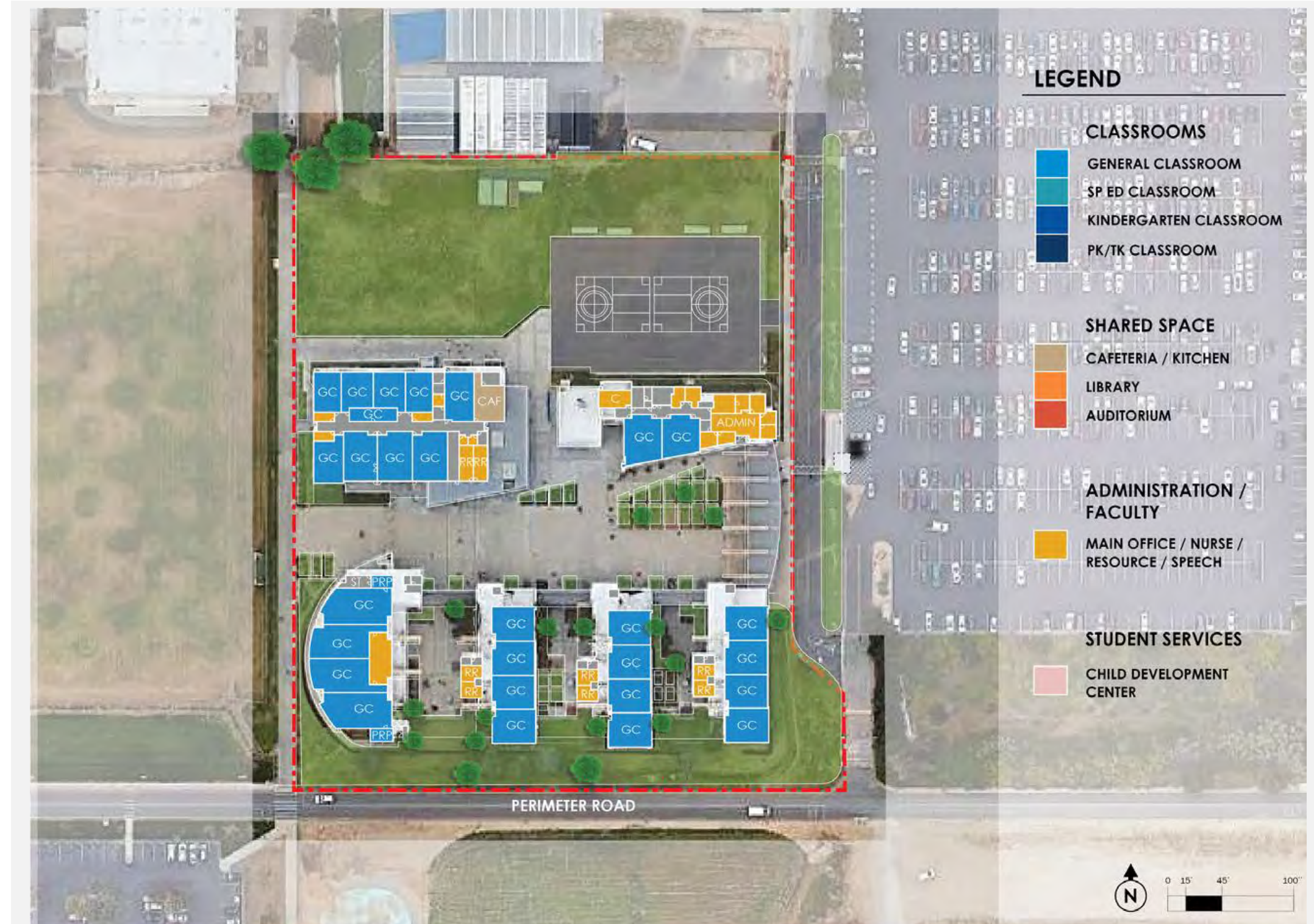
Type	#	Total SF
Permanent Classrooms	27	29,192
Portable Classrooms	-----	-----
◀ CAFM Designated Classroom w/Alt Use	-----	-----
Total Existing	27	29,192

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	667	1:35
Factored Capacity	945	
New Classrooms to Be Constructed	----	----
Total # Loaded Classrooms Required		19
Current Classroom Count		27

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,513 SF	2,204 SF
Auditorium	-----	3,406 SF
Library	-----	2,672 SF
Nutrition Services		
Cafeteria	814 SF	2,271 SF
Food Service	617 SF	1,403 SF
Lunch Shelter	1,316 SF	2,004 SF
Site		
Playground	N/A	1.7 Acres
Parking	-----	48 Stalls



California Academy of Mathematics & Science – Nutrition Services Plan 2022-2032

COMPLIANT

Summary Improvement Plan

Overall Evaluation:

At 617 square feet (including the Dry Storage area), the California Academy for Mathematics and Science High School kitchen is sufficient for the current student population and service model. The food service areas at CAMS High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. One of the refrigerators was not holding temperature at time of site visit. The service windows have no screens or air curtains. The CAMS kitchen has been updated and upgraded to comply with current codes.



Educational Partnership High School

1794 Cedar Ave
Long Beach, CA 90813

Planning Area

School #
1995570

Educational Specification

School Input
Incomplete

Facility Condition

Facility not
assessed

Capacity Utilization

100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
0	10,492	3	0	1990

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

Educational Program	
Relationships and Collaboration	
Wellness	
Safety and Security	School Input Incomplete
Features in Learning Environment	
Operational Utility	

FACILITY CONDITION ASSESSMENT

Facility Condition Assessment	Facility not assessed
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CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
665	533	-132	-20%	0 289	100%	-533	100								







Educational Partnership High School – Facts & Figures

Location 1794 Cedar Avenue Long Beach CA 90813 562.218.0493	Total Campus Area 1.15 Acres	Years Constructed -----	Total Parking 70 Stalls	Total Building Area Permanent Construction -----
Type 9-12	2021-2022 Enrollment 665	Factored Capacity 289	Permanent Capacity 0 Temporary Capacity 289	Total Building Area Portables 10,560 SF



Educational Partnership High School – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zones – Academic Buildings

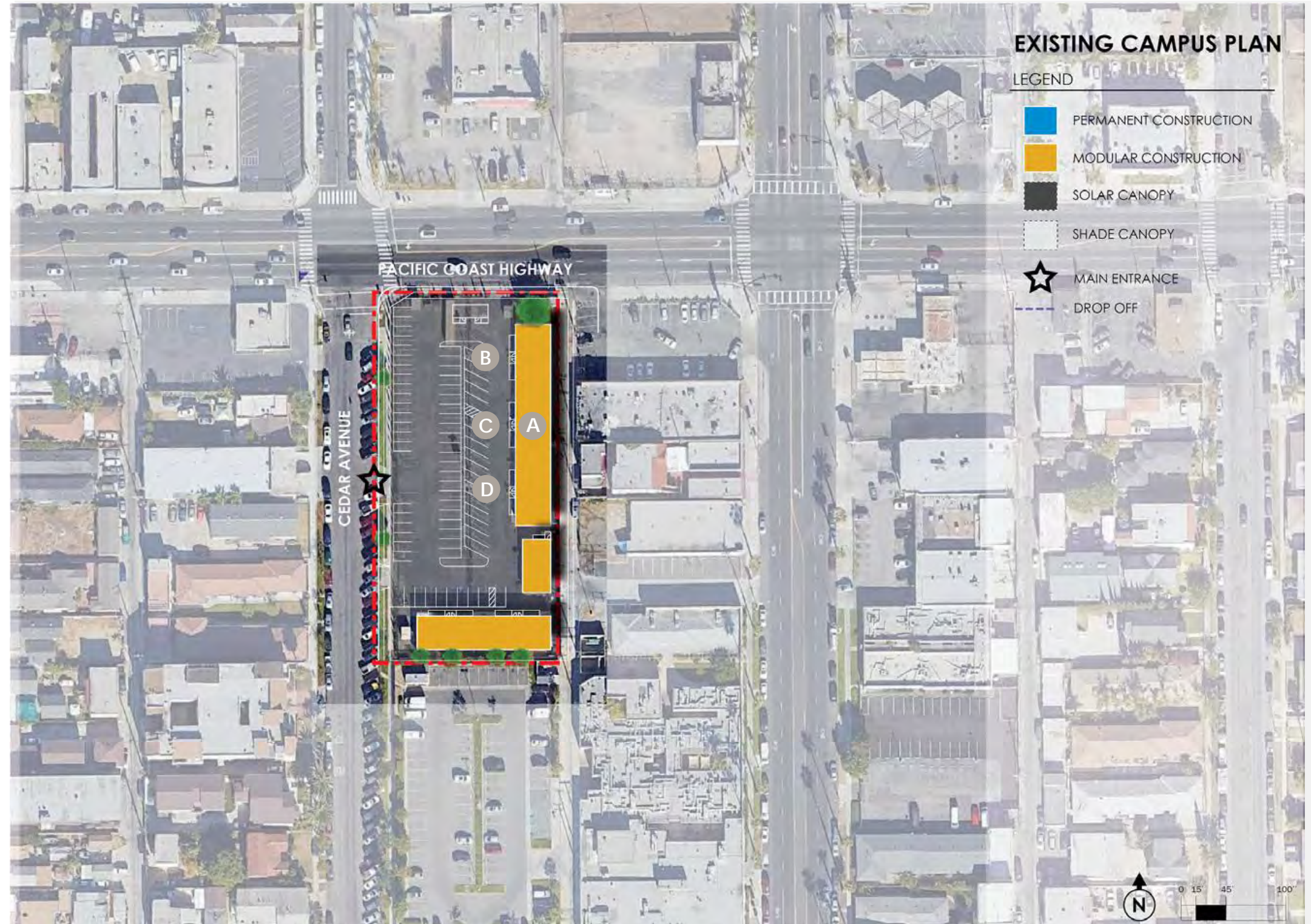
A School not provided with equivalent High School amenities, including Gymnasium and Performance Theater

Activity Zone – Athletics/Physical Education

B School not provided with equivalent High School outdoor athletic facilities

C Lack of shade tree and canopies at outdoor area

D Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Educational Partnership High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	----	----
Portable Classrooms	11	10,560
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	11	10,560

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	665	1:35
Factored Capacity	289	
New Classrooms to Be Constructed		----
Total # Loaded Classrooms Required		19
Current Classroom Count		11

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	----	1,571 SF
Auditorium	----	----
Library	----	----
Nutrition Services		
Cafeteria	----	----
Food Service	----	----
Lunch Shelter	----	----
Site		
Playground	----	----
Parking	70 Stalls	----





Jordan High

6500 Atlantic Avenue
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
1934470

Educational Specification 60	Facility Condition 86	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1935	Gross S.F. 408,666	Permanent Building Count 17	Oldest Building 1935	Newest Building 2019
---------------------------------	------------------------------	---------------------------------------	--------------------------------	--------------------------------

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	53	X	22%	12
Relationships and Collaboration	40	X	15%	6
Wellness	53	X	15%	8
Safety and Security	77	X	21%	16
Features in Learning Environment	75	X	13%	10
Operational Utility	57	X	14%	8
Educational Specification Score:				60

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	77
Plumbing	97
Mechanical	85
Fire Protection	97
Electrical	79
Communications	82
Safety and Security	80
Structural	98
5-YR FCI Score, buildings only:	
	84
Civil	100
5-YR FCI Score including Civil:	
	86

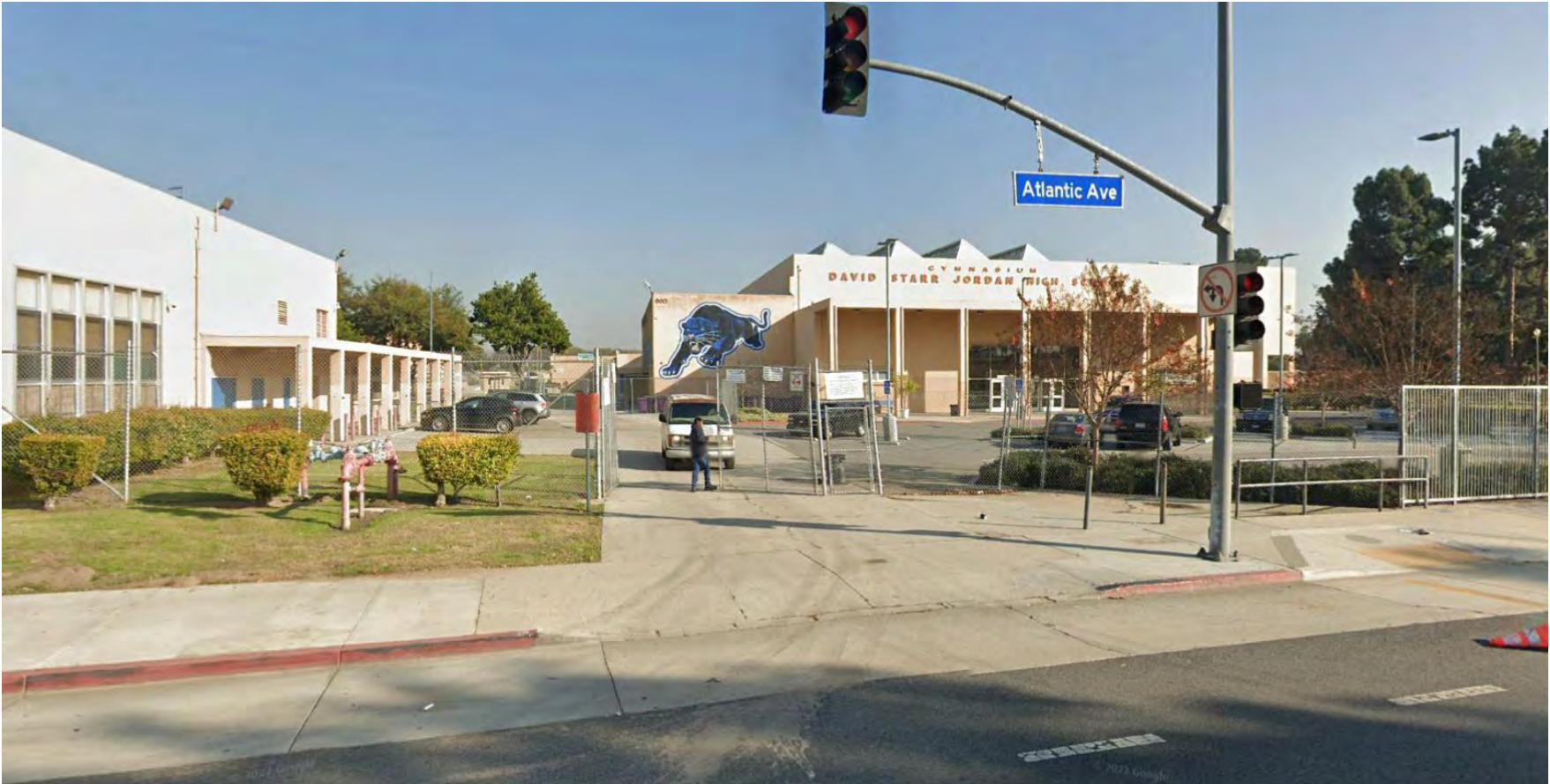


CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
2,315	1,941	-374	-16%	2,923	66%	982	2,155	112	2,267	2,155	2,335	4,490	-2,223	141%
				1,313			95%	5%		48%	52%		-50%	-1,193

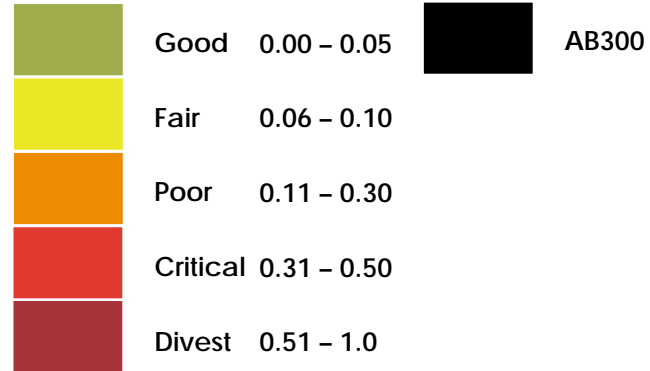
Jordan High School – Facts & Figures

Location 6500 Atlantic Avenue Long Beach CA 90805	Total Campus Area 26.89 Acres	Years Constructed 1935, 1940, 1952, 1953, 1956, 1961, 1963, 1975, 1976, 1989, 1997, 2020	Total Parking 322 Stalls	Total Building Area Permanent Construction 316,945
Type 9-12	2021-2022 Enrollment 2,315	Factored Capacity 4,235	Permanent Capacity 2,923 Temporary Capacity 1,313	Total Building Area Portables 47,040 SF



Jordan High School – Existing Campus

Facility Condition (by Bldg)



Jordan High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	114	136,060
Portable Classrooms	50	48,040
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	164	184,100

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	2,315	1:35
Factored Capacity	4,235	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	66
Current Classroom Count	164







2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	18,664 SF	4,352 SF
Auditorium	29,157 SF	14,024 SF
Gymnasium	32,893 SF	24,664 SF
Library	18,027 SF	8,463 SF
Nutrition Services		
Cafeteria	4,930 SF	8,221 SF
Food Service	816 SF	2,660 SF
Lunch Shelter	890 SF	7,254 SF
Site		
Playground	N/A	N/A
Parking	322 Stalls	165 Stalls



Jordan High School – Plus – Existing Campus

Facility Condition (by Bldg)

	Excellent	100		AB300
	Good	95-99		
	Fair	90-94		
	Poor	70-89		
	Critical	0-69		



Jordan High School – Plus - Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	38	36,490
Portable Classrooms	4	3,840
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	42	40,330

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	----	1:35
Peak Enrollment 2019/2020 – 2024/2025	----	1:35
New Classrooms to Be Constructed	----	----
Total # Loaded Classrooms Required	----	----
Current Classroom Count	----	----



Jordan High School – Nutrition Services Plan 2022-2032

COMPLIANT

Summary Improvement Plan

Overall Evaluation:

The Jordan High School kitchen is large and adequate for the 2021-2022 Enrollment and service model. The food service areas at Jordan High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. At time of site visit the walk-in freezer doors self-closing mechanism was not working properly. Due to this issue, there was ice forming at the base of the strip curtains. The Jordan High School kitchen has been updated and upgraded to comply with current codes.



Lakewood High

4400 Briercrest Avenue
Lakewood, CA 90713

Planning Area
Area B Lakewood
School #
1934678

Educational Specification
School Input Incomplete

Facility Condition
91

Capacity Utilization
100



BUILDING DATA

Year Constructed
1957

Gross S.F.
376,428

Permanent Building Count
10

Oldest Building
1957

Newest Building
1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
-------------	------------------

Architectural	86
Plumbing	99
Mechanical	75
Fire Protection	97
Electrical	92
Communications	97
Safety and Security	95
Structural	97
5-YR FCI Score, buildings only:	89
Civil	100
5-YR FCI Score including Civil:	91



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
3,023	2,850	-173	-6%	3,002	95%	152	100	1,088	1,867	2,955	1,088	1,162	2,250	705	69%
				945				37%	63%		48%	52%		31%	925

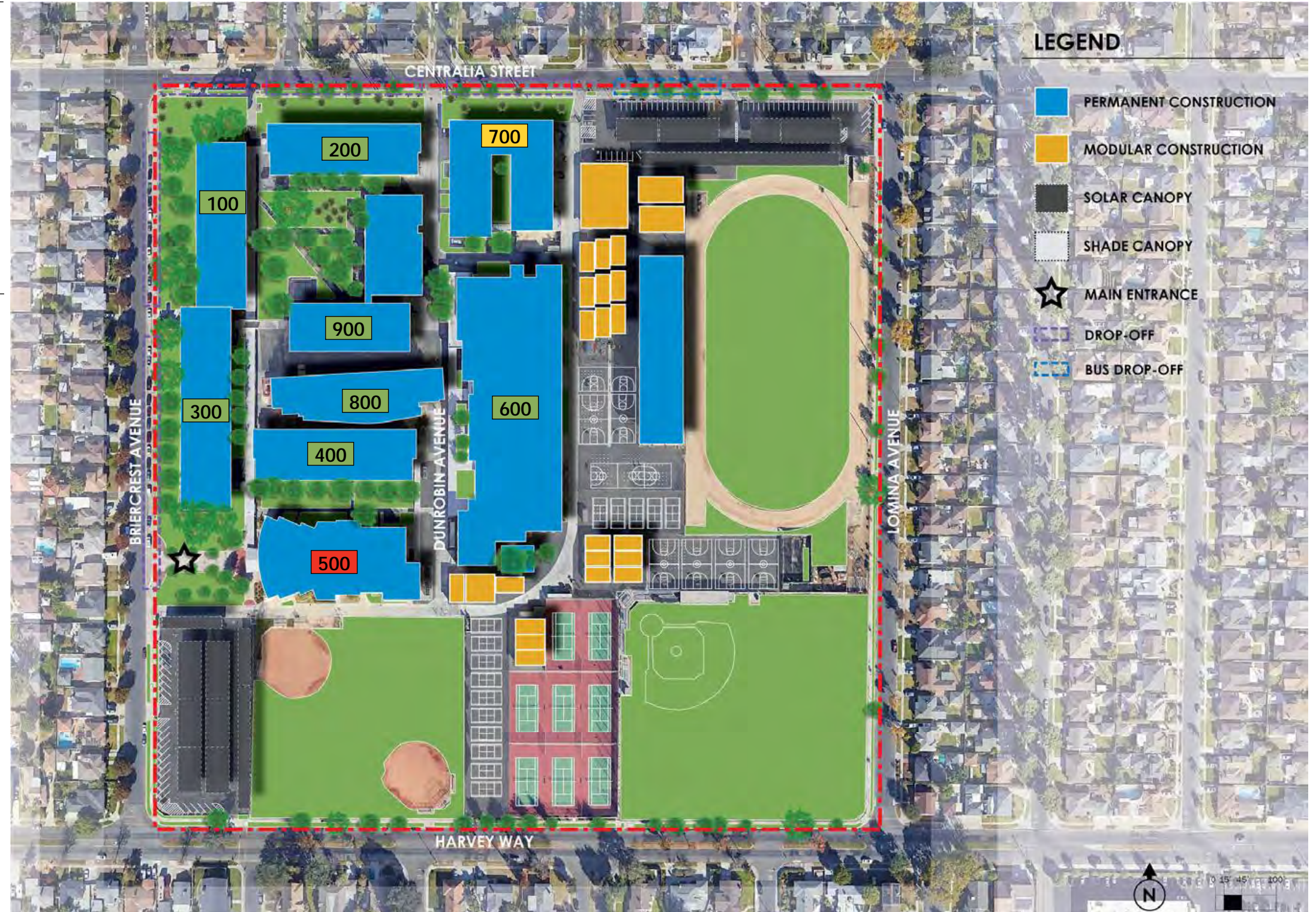
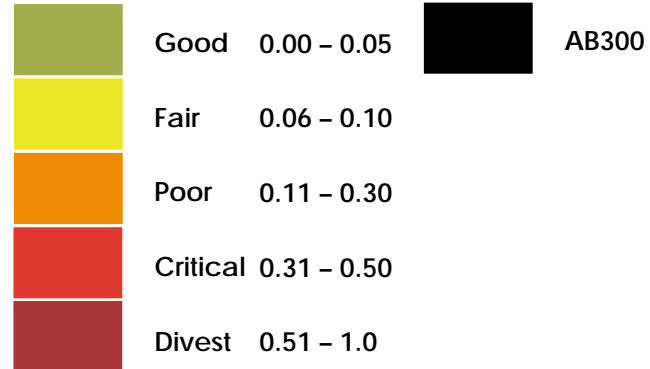
Lakewood High School – Facts & Figures

Location 4400 Briercrest Avenue Lakewood CA 90713 562.425.1281	Total Campus Area 32.34 Acres	Years Constructed 1957, 1964, 1970, 1989, 1993	Total Parking 247 Stalls	Total Building Area Permanent Construction 380,740 SF
Type 9-12	2021-2022 Enrollment 3,023	Factored Capacity 3,947	Permanent Capacity 3,002 Temporary Capacity 945	Total Building Area Portables 36,464 SF



Lakewood High School – Existing Campus

Facility Condition (by Bldg)



Lakewood High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	116	146,610
Portable Classrooms	36	36,464
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	152	183,074

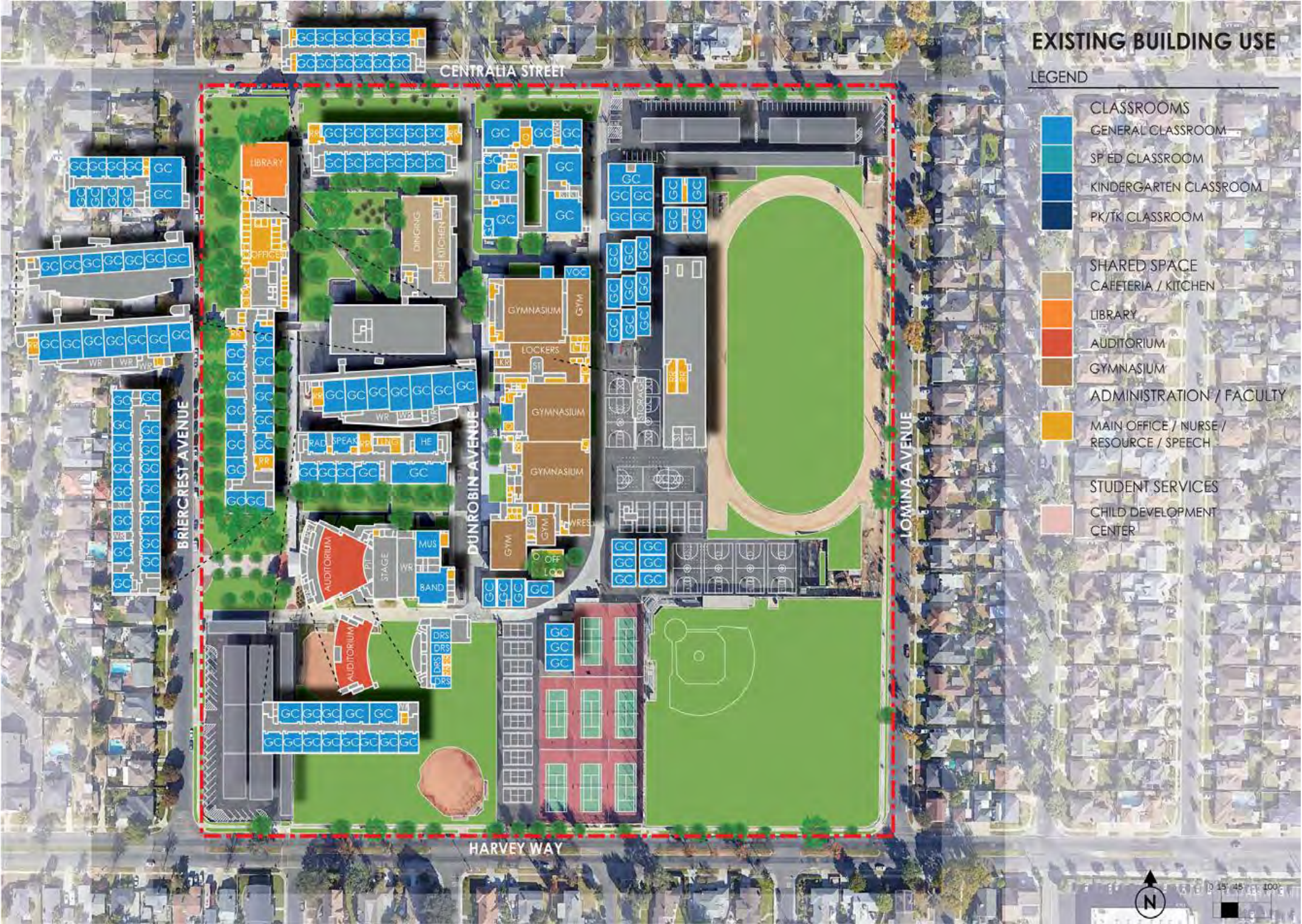
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	3,023	1:35
Factored Capacity	3,947	

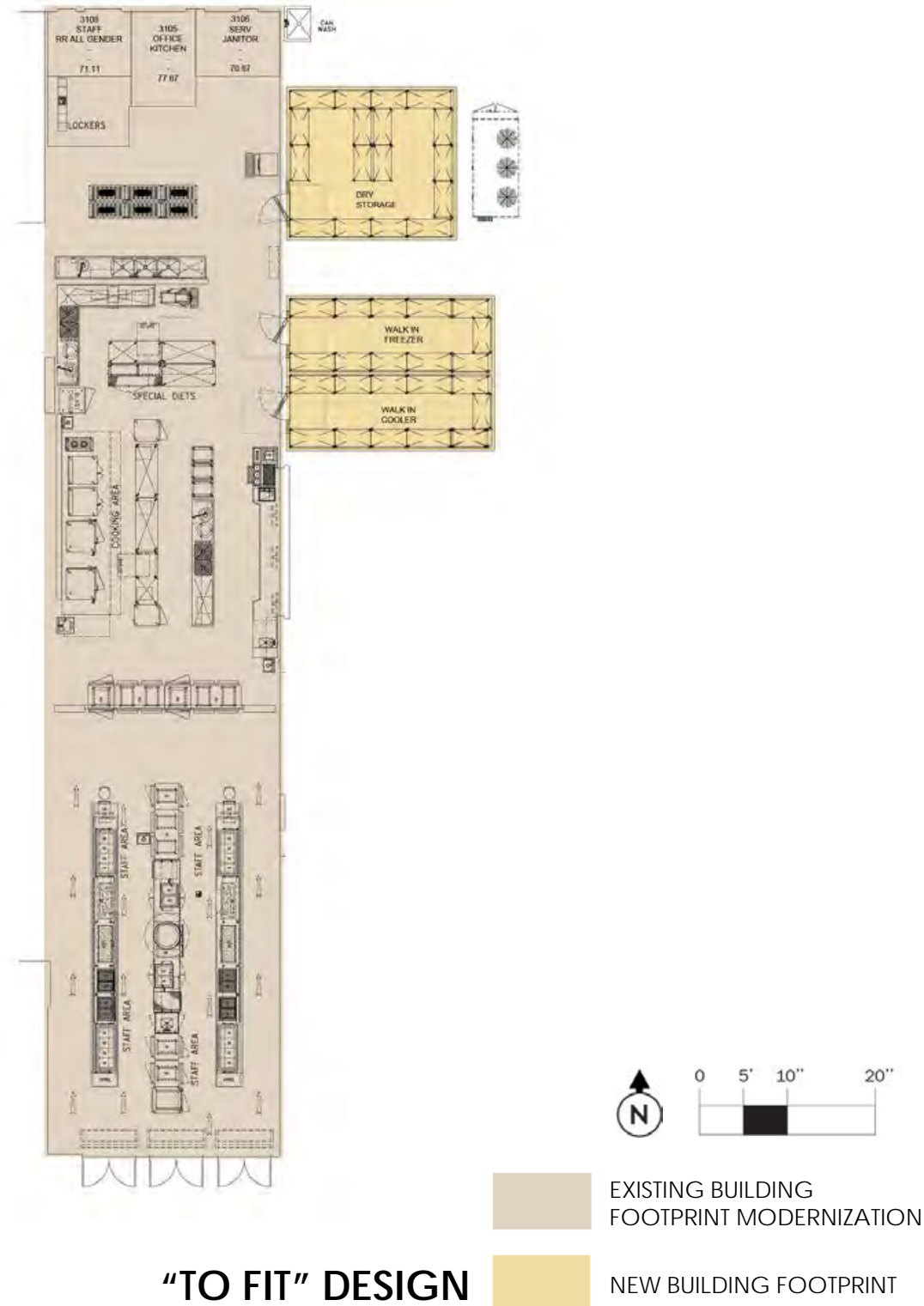
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	86
Current Classroom Count	152

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	9,580 SF	5,610 SF
Auditorium	30,404 SF	19,013 SF
Gymnasium	31,446 SF	31,793 SF
Library	6,402 SF	9,974 SF
Nutrition Services		
Cafeteria	5,929 SF	10,597 SF
Food Service	2,100 SF	3,428 SF
Lunch Shelter	7,680 SF	9,351 SF
Site		
Playground	----	16.7 Acres
Parking	247 Stalls	215 Acres



Lakewood High School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

At nearly 2100 square feet, the Lakewood High School kitchen is large. This space is adequate for the 2021-2022 Enrollment and service model. The food service areas at Lakewood High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. The incorrect placement of the cooking equipment below the exhaust hood takes away the required side overhangs and renders the hood non-compliant. The walk-in cooler requires recaulking and the wall penetrations near the ceiling require cleaning and resealing. The air curtain inside the walk-in cooler has been rendered useless with only three strips left. One of the air curtains in the cafeteria does not cover the full width of the door opening below, this does not meet EHS requirements. Multiple dining tables were damaged at time of site visit. The prep sink and the pot and pan sink share a common side splash. This side splash is only 4" high. The splash height does not meet EHS requirements and may cause cross contamination. Though this site has been updated and meets most current codes, it would benefit from some minor repairs and improvements to address existing EHS and ADA code issues.



McBride High

7025 Parkcrest Street
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
0127381

Educational Specification
School Input Incomplete

Facility Condition
100

Capacity Utilization
100



BUILDING DATA

Year Constructed
2012

Gross S.F.
96,740

Permanent Building Count
7

Oldest Building
2012

Newest Building
2012

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	100
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	100
Civil	100
5-YR FCI Score including Civil:	100



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
757	759	2	0%	1,059 0	72%	300								

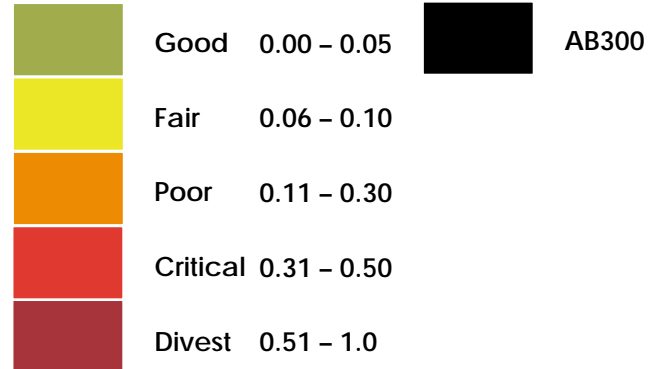
Ernest McBride High School – Facts & Figures

Location 7025 Parkcrest Street Long Beach CA 90808 562.425.3539	Total Campus Area 24.23 Acres	Years Constructed 2013	Total Parking 310 Stalls	Total Building Area Permanent Construction 48,320 SF
Type 9-12	2021-2022 Enrollment 757	Factored Capacity 1,059	Permanent Capacity 1,059 Temporary Capacity 0	Total Building Area Portables -----



Ernest McBride High School – Existing Campus

Facility Condition (by Bldg)



Ernest McBride High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	42	48,320
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	42	48,320

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	757	1:35
Factored Capacity	1,059	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	22
Current Classroom Count	42

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	7,560 SF	2,157 SF
Gymnasium	14,841 SF	3,891 SF
Library	4,706 SF	3,052 SF
Nutrition Services		
Cafeteria	400 SF	2,594 SF
Food Service	2,700 SF	1,602 SF
Lunch Shelter	1,200 SF	2,289 SF
Site		
Playground	N/A	1.9 Acres
Parking	310 Stalls	58 Stalls



Ernest McBride High School – Nutrition Services Plan 2022-2032

COMPLIANT– MINOR UPDATES ONLY

Summary Improvement Plan




Overall Evaluation:

At 2700 square feet, the McBride High School kitchen is large and adequate for the 2021-2022 Enrollment and service model. Although a recent build, the food service areas at McBride High School do not meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. Code requires that a hood must have specific overhang clearances to be deemed code compliant. Due to the equipment placement under the hood, the overhang clearances are not met and the hood is out of compliance. ADA requires that exposed 'P' traps below hand sinks be insulated. There are no screens or air curtains for at least four the service windows. Condensation is forming in the light fixture inside the walk-in cooler. The water dripping onto the floor at the site is a hazard. Though this is a fairly newly built kitchen and it meets most current codes, it would benefit from some minor repairs and improvements to address existing EHS and ADA code issues.



Millikan High
2800 Snowden Avenue
Long Beach, CA 90815

Planning Area
Area C Millikan
School #
1935758

 Educational Specification 58	 Facility Condition 75	 Capacity Utilization 100
--	---	--

Educational Specification Legend

0 - 50 **Critical** | 51 - 60 **Poor** | 61 - 70 **Fair** | 71 - 80 **Good** | 81 - 100 **Excellent**

Facility Condition Legend

0 - 69 **Critical** | 70 - 89 **Poor** | 90 - 94 **Fair** | 95 - 99 **Good** | 100 **Excellent**

Capacity / Utilization (Projected) Legend

0% - 80% **Under-Utilized** | 80% - 100% **Preferred Utilization** | 100% - 115% **Over-Utilized** | 115% - 130% **Very Over-Utilized** | 130%+ **Severely Over-Utilized**

BUILDING DATA

Year Constructed 1950	Gross S.F. 362,440	Permanent Building Count 10	Oldest Building 1950	Newest Building 1998
---------------------------------	------------------------------	---------------------------------------	--------------------------------	--------------------------------

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	50	X	22%	11
Relationships and Collaboration	33	X	15%	5
Wellness	69	X	15%	10
Safety and Security	82	X	21%	17
Features in Learning Environment	57	X	13%	7
Operational Utility	52	X	14%	7
Educational Specification Score:				58

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	62
Plumbing	95
Mechanical	42
Fire Protection	98
Electrical	64
Communications	93
Safety and Security	58
Structural	98
5-YR FCI Score, buildings only: 70	
Civil	97
5-YR FCI Score including Civil: 75	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
3,343	3,115	-228	-7%	3,596 814	87%	481	1,194 36%	2,130 64%	3,324	1,194 73%	436 27%	1,630	1,694 104%	39% 2,194

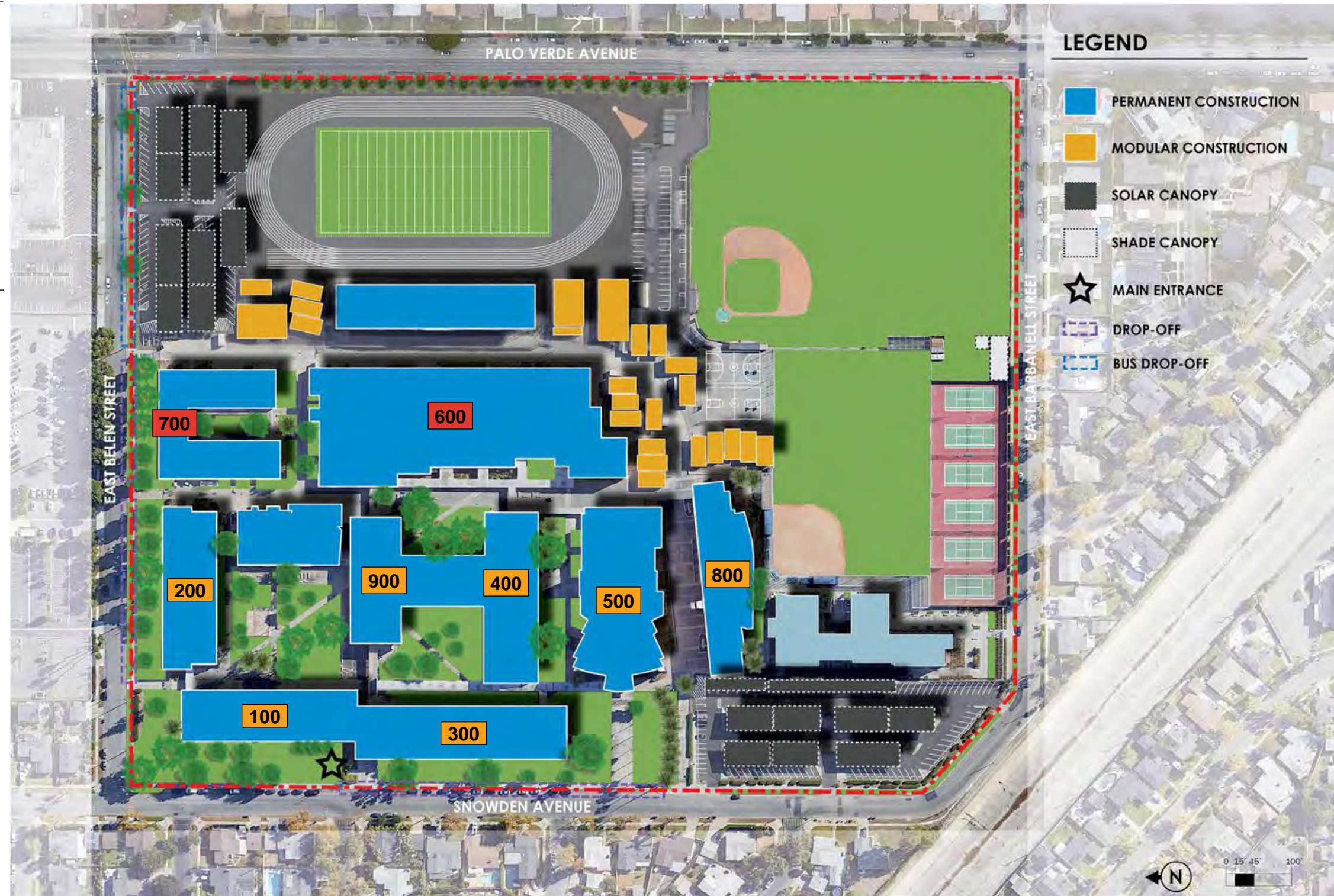
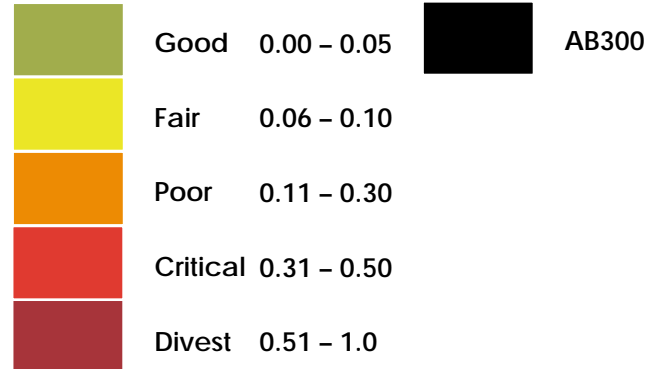
Millikan High School – Facts & Figures

Location 2800 Snowden Avenue Long Beach CA 90815 562.425.7441	Total Campus Area 34.39 Acres	Years Constructed 1956, 1964, 1970, 1989, 1993	Total Parking 342 Stalls	Total Building Area Permanent Construction 371,785 SF
Type 9-12	2021-2022 Enrollment 3,343	Factored Capacity 4,410	Permanent Capacity 3,596 Temporary Capacity 814	Total Building Area Portables 29,278 SF



Millikan High School – Existing Campus

Facility Condition (by Bldg)



Millikan High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	132	180,925
Portable Classrooms	31	29,278
◀CAFM Designated Classroom w/Alt Use	---	---
Total Existing	163	210,685

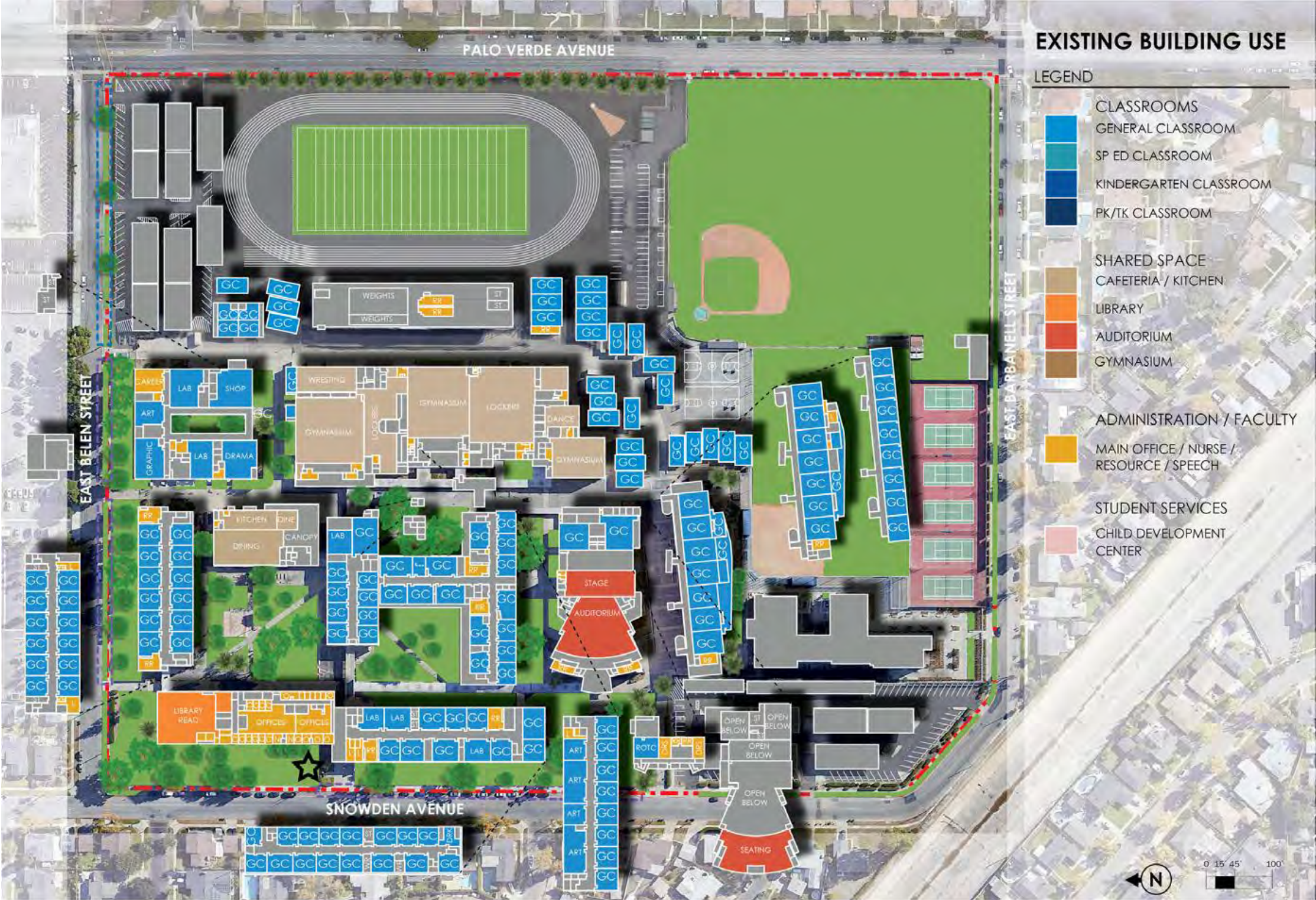
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	3,343	1:35
Factored Capacity	4,410	

New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	98
Current Classroom Count	163

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	22,023 SF	6,161 SF
Auditorium	29,503 SF	19,853 SF
Gymnasium	30,760 SF	34,915 SF
Library	5,760 SF	11,981 SF
Nutrition Services		
Cafeteria	5,963 SF	11,638 SF
Food Service	2,389 SF	3,765 SF
Lunch Shelter	1,115 SF	10,269 SF
Site		
Playground	12.6 Acres	8.5 Acres
Parking	342 Stalls	245 Stalls





Summary Improvement Plan

Overall Evaluation:

Overall Evaluation: At 2389 square feet, the Millikan High School kitchen is large and adequate for the 2021-2022 Enrollment and service model, however, the layout lacks flow, much of the equipment and finishes are old and outdated and the food service areas do not meet current ADA, EHS or CMC requirements. The kitchen lacks sufficient dry storage (which is located in a corner of the kitchen in lieu of a dedicated room). The service line is accessed within the kitchen space. Due to the size constraints of the servery, the aisleways for the students are undersized and do not meet ADA requirements. Neither of the tray rails are ADA compliant. There are no ADA compliant workstations within the kitchen or servery spaces. The existing cooking equipment must be covered by a Type I, UL Listed Exhaust Hood. This type of hood and the equipment below require a UL 300 Fire Suppression System. Code also requires that a hood must have specific overhang clearances to be deemed code compliant. This hood does not meet these requirements. Refrigeration is accommodated by eleven units within the kitchen space and supplemented with overflow refrigerated equipment in the faculty lounge. At time of site visit, one of the freezers had excessive condensation on its front fascia. The pooling water on the floor below and in front of the unit is a hazard. There is no floor sink in the immediate vicinity of the ice machine. A floor sink is required for proper drainage. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood shelving, the wood ledges above the sinks and the wood cabinetry (upper and lower) are not EHS code compliant. There are (3) double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. There are no screens or air curtains at the service windows. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

PROTOTYPE DESIGN





Paal Academy

1545 Long Beach Blvd
Long Beach, CA 90813

Planning Area
Area E Polytechnic
School #
1000670

Educational Specification
School Input Incomplete

Facility Condition
Facility not assessed

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
0	0	8	0	1996

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

Educational Program
Relationships and Collaboration
Wellness
Safety and Security
Features in Learning Environment
Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Facility not assessed



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
0	0	0		289	0%	289	100								
				0											

Poly Academy of Achievers and Leaders – Facts & Figures

PAAL

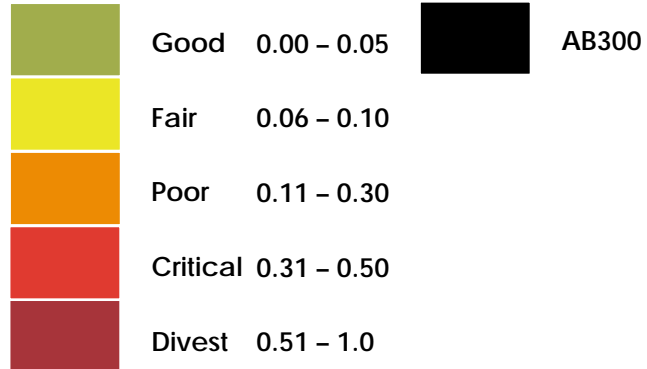
Location 1545 Long Beach Blvd Long Beach CA 90813	Total Campus Area 3.44 Acres	Years Constructed 1935, 1936, 1941, 1963	Total Parking 26 Stalls	Total Building Area Permanent Construction -----
Type 9-12	2021-2022 Enrollment 144	Factored Capacity 289	Permanent Capacity 289 Temporary Capacity 0	Total Building Area Portables 16,320 SF



Poly Academy of Achievers and Leaders – Existing Campus PAAL

High Schools

Facility Condition (by Bldg)



Poly Academy of Achievers and Leaders – Existing Space Utilization PAAL

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	----	----
Portable Classrooms	14	13,440
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	14	13,440

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	144	1:35
Factored Capacity	289	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	4
Current Classroom Count	14

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,586 SF	475 SF
Library	-----	576 SF
Multipurpose	-----	----
Nutrition Services		
Cafeteria	960 SF	490 SF
Food Service	540 SF	----
Lunch Shelter	-----	----
Site		
Playground	3.4 Acres	1.4 Acres
Parking	26 Stalls	10 Stalls



Poly Academy of Achievers and Leaders – Nutrition Services Plan 2022-2032 PAAL

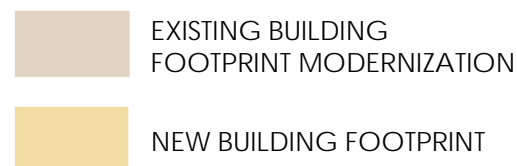
Summary Improvement Plan

Overall Evaluation:

At 1357 square feet (including the Dry Storage area), the PAAL High School kitchen is small and cramped and the food service areas do not meet current ADA or EHS requirements. The kitchen lacks sufficient dry storage (which shares space with the supervisor's office). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. The steam kettle requires a front (below the draw off) floor trough to accommodate spills, cleaning, etc. Due to the location of the existing, inadequate, floor sink the steam kettle was installed outside of the exhaust hoods capture zone rendering the hood non-compliant. Code requires that a hood must have specific overhang clearances to be deemed code compliant. This hood does not meet these requirements. The tilting kettle requires a floor trough as well. There are no ADA compliant workstations within the kitchen or servery spaces. The window service counter is too high to be ADA compliant. There are no screens or air curtains at the service windows. Refrigeration is accommodated by four units within the kitchen space and supplemented with two mobile milk coolers. There are three double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. At time of site visit, there was a worktable that had only three casters. This is a hazard. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs



“TO FIT” DESIGN





Long Beach Polytechnic High

1600 Atlantic Avenue
Long Beach, CA 90813

Planning Area
Area E Polytechnic
School #
1936947

Educational Specification
School Input Incomplete

Facility Condition
93

Capacity Utilization
88



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1934	378,325	16	1934	1995

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	94
Plumbing	97
Mechanical	85
Fire Protection	97
Electrical	64
Communications	99
Safety and Security	100
Structural	99
5-YR FCI Score, buildings only: 92	
Civil	99
5-YR FCI Score including Civil: 93	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
4,083	3,776	-307	-8%	3,386	112%	-390	88	2,771	1,042	3,813	2,771	2,863	5,634	-1,821	157%
				263				73%	27%		49%	51%		-32%	-1,941

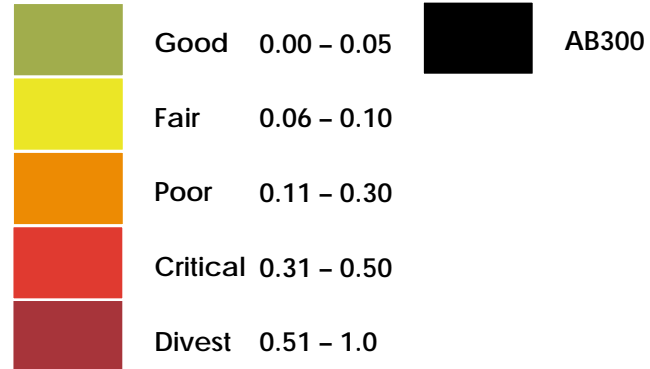
Long Beach Polytechnic High School – Facts & Figures (Poly High)

<p>Location 1600 Atlantic Avenue Long Beach CA 90813 562.591.0581</p>	<p>Total Campus Area 28.97 Acres</p>	<p>Years Constructed 1934, 1935, 1937, 1951, 1952, 1953, 1954, 1979, 1987, 1989</p>	<p>Total Parking 430 Stalls</p>	<p>Total Building Area Permanent Construction 372,516 SF</p>
<p>Type 9-12</p>	<p>2021-2022 Enrollment 4,083</p>	<p>Factored Capacity 3,649</p>	<p>Permanent Capacity 3,386 Temporary Capacity 263</p>	<p>Total Building Area Portables 9,600 SF</p>



Long Beach Polytechnic High School – Existing Campus

Facility Condition (by Bldg)



Long Beach Polytechnic High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	142	152,157
Portable Classrooms	10	8,640
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	152	160,797

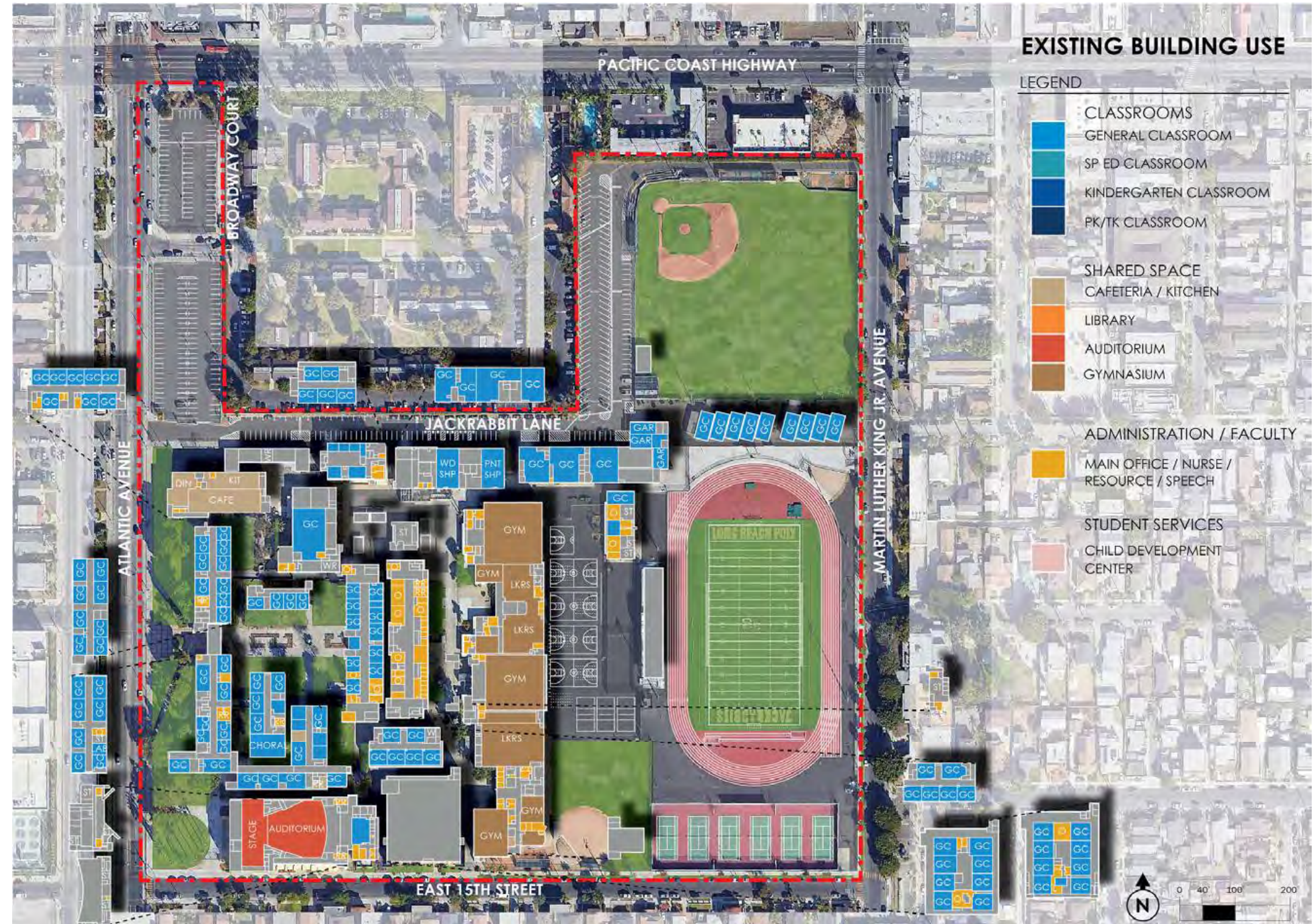
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	4,083	1:35
Factored Capacity	3,649	

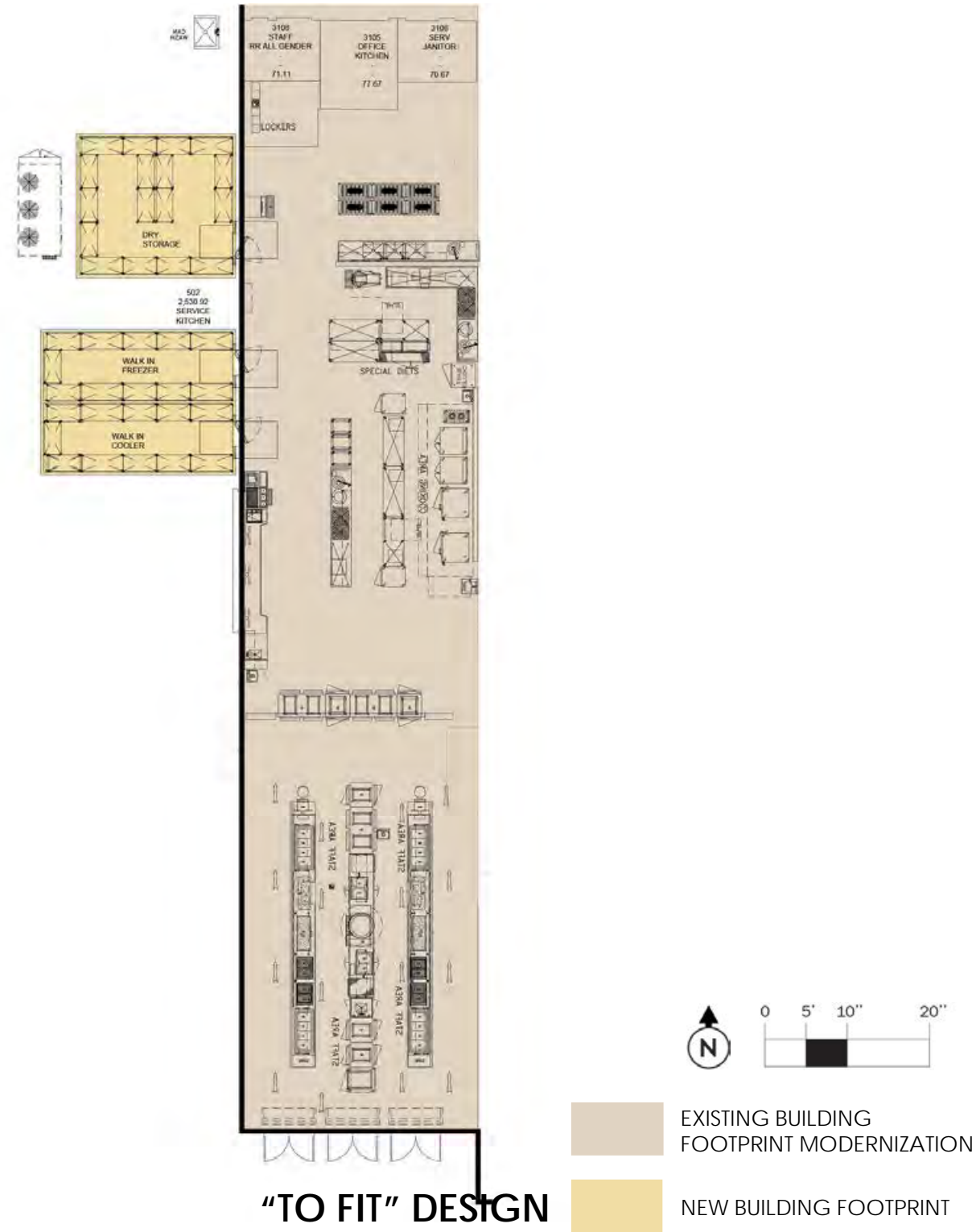
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	116
Current Classroom Count	152

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	24,819 SF	7,302 SF
Auditorium	16,291 SF	23,530 SF
Gymnasium	38,002 SF	41,381 SF
Library	1,123 SF	14,200 SF
Nutrition Services		
Cafeteria	7,334 SF	13,794 SF
Food Service	3,218 SF	4,463 SF
Lunch Shelter	N/A	12,171 SF
Site		
Playground	N/A	10.2 Acres
Parking	430 Stalls	290 Stalls



Long Beach Polytechnic High School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

At 3218 square feet, the Polytechnic High School kitchen is large and the space is adequate for the 2021-2022 Enrollment and service model. The food service areas at Polytechnic High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration. There is no self-closing mechanism on the walk-in cooler door. There is water dripping from the ceiling onto the floor inside the walk-in cooler. This is a hazard. The ice machine has no floor sink in the immediate vicinity for proper drainage. There are four exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. Though the finishes Polytechnic High School kitchen has been updated and upgraded to comply with current codes, it could benefit from some minor repairs and improvements to address EHS code issues.



Reid High School

3701 East Willow Street
Long Beach, CA 90815

Planning Area
Area D Cabrillo
School #
1937176

Educational Specification
School Input Incomplete

Facility Condition
75

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	21,998	5	1935	1997

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	74
Plumbing	91
Mechanical	32
Fire Protection	85
Electrical	19
Communications	82
Safety and Security	48
Structural	83
5-YR FCI Score, buildings only:	64
Civil	100
5-YR FCI Score including Civil:	75



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
134	117	-17	-13%	210 368	56%	93								

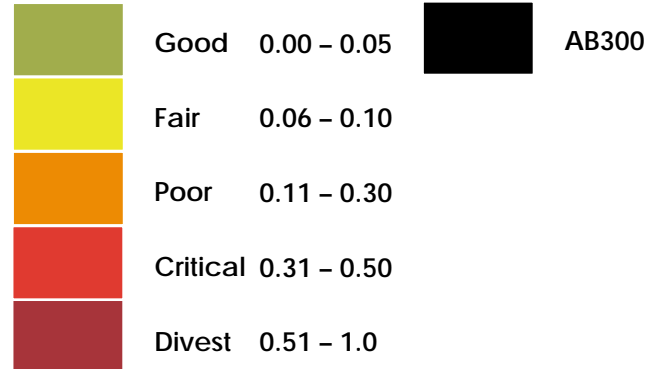
Reid Continuation High School – Facts & Figures

<p>Location 3701 East Willow Street Long Beach CA 90815</p>	<p>Total Campus Area 3.44 Acres</p>	<p>Years Constructed 1935, 1936, 1941, 1963</p>	<p>Total Parking 113 Stalls</p>	<p>Total Building Area Permanent Construction -----</p>
<p>Type 9-12</p>	<p>2021-2022 Enrollment 134</p>	<p>Factored Capacity 578</p>	<p>Permanent Capacity 210 Temporary Capacity 368</p>	<p>Total Building Area Portables 16,320 SF</p>



Reid Continuation High School – Existing Campus

Facility Condition (by Bldg)



Reid Continuation High School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	----	----
Portable Classrooms	14	13,440
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	14	13,440

Enrollment & Capacity

	Student Count	Loaded Clrm
2021-2022 Enrollment	144	1:35
Factored Capacity	578	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	4
Current Classroom Count	14

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	1,586 SF	475 SF
Library	-----	576 SF
Multipurpose	-----	----
Nutrition Services		
Cafeteria	960 SF	490 SF
Food Service	540 SF	----
Lunch Shelter	-----	----
Site		
Playground	3.4 Acres	1.4 Acres
Parking	113 Stalls	10 Stalls



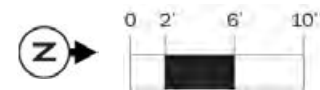
Reid Continuation High School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

At 540 square feet (including the Dry Storage area), the Reid High School kitchen is small, however, it is adequate for the 2021-2022 Enrollment and service model. The food service areas at Reid High School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dry storage (which shares space with the supervisor's office). Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood dry storage shelving, the wood service counter and the wood cabinet with the drop-in sink are not EHS code compliant. There are no ADA compliant workstations within the kitchen or servery spaces. There are two exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



EXISTING BUILDING
FOOTPRINT MODERNIZATION

NEW BUILDING FOOTPRINT

"TO FIT" DESIGN



Renaissance High School For The Arts

235 East 8th Street
Long Beach, CA 90813

Planning Area
Area E Polytechnic
School #
1996503

Educational Specification
School Input Incomplete

Facility Condition
99

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1953	87,503	6	1953	2018

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	100
Mechanical	97
Fire Protection	100
Electrical	98
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	99
Civil	100
5-YR FCI Score including Civil:	99



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization								Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
456	489	33	7%	1,024 0	48%	535	100								

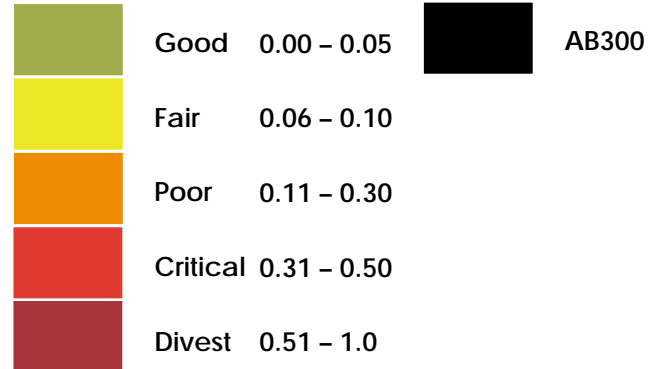
Renaissance High School for the Arts – Facts & Figures

Location 235 East Eighth Street Long Beach CA 90813 562.901.0168	Total Campus Area 3.44 Acres	Years Constructed 2003, 2018	Total Parking 41 Stalls	Total Building Area Permanent Construction 68,490 SF
Type 9-12	2021-2022 Enrollment 456	Factored Capacity 1,024	Permanent Capacity 1,024 Temporary Capacity 0	Total Building Area Portables -----



Renaissance High School for the Arts – Existing Campus

Facility Condition (by Bldg)



Renaissance High School for the Arts – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	37	35,520
Portable Classrooms	----	----
◀CAFM Designated Classroom w/Alt Use	----	----
Total Existing	37	35,520

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	456	1:35
Factored Capacity	1,024	

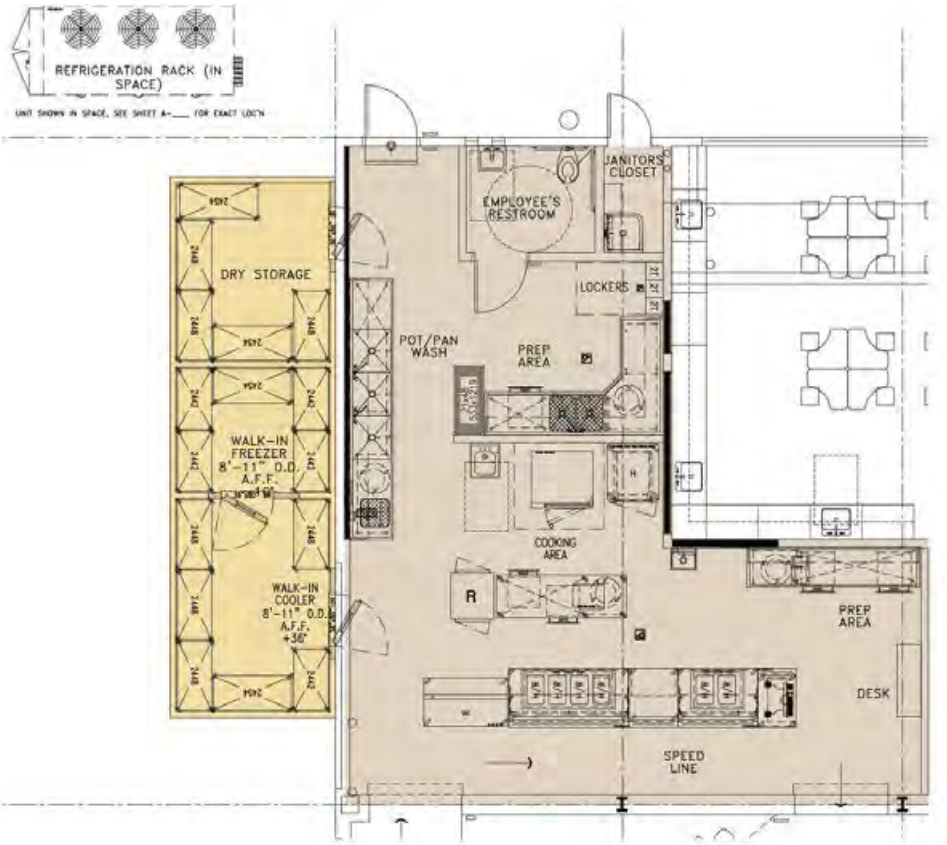
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	14
Current Classroom Count	37

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	6,897 SF	1,587 SF
Auditorium	9,507 SF	2,453 SF
Gymnasium	-----	7,937 SF
Library	2,657 SF	1,924 SF
Nutrition Services		
Cafeteria	1,985 SF	1,635 SF
Food Service	1,397 SF	1,010 SF
Lunch Shelter	-----	1,443 SF
Site		
Playground	.5 Acres	1.4 Acres
Parking	41 Stalls	35 Stalls



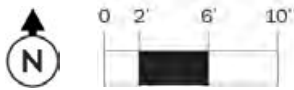
Renaissance High School for the Arts – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

The Renaissance High School for the arts kitchen was recently renovated in 2018. The space is adequate for the 2021-2022 Enrollment and service model. The food service areas at Renaissance High School meet current ADA and EHS requirements. The kitchen has sufficient dedicated dry storage and refrigeration.



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

“TO FIT” DESIGN



Sato Academy Of Math & Science

1100 Iroquois Avenue
Long Beach, CA 90815

Planning Area
Area F Wilson
School #
0132324

Educational Specification
47

Facility Condition
87

Capacity Utilization
100



BUILDING DATA

Year Constructed
1958

Gross S.F.
86,020

Permanent Building Count
7

Oldest Building
1958

Newest Building
2019

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	24	X	22%	5
Relationships and Collaboration	43	X	15%	6
Wellness	56	X	15%	8
Safety and Security	59	X	21%	12
Features in Learning Environment	49	X	13%	6
Operational Utility	61	X	14%	9
Educational Specification Score:				47

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	77
Plumbing	97
Mechanical	61
Fire Protection	99
Electrical	81
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	
	82
Civil	98
5-YR FCI Score including Civil:	
	87



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
465	493	28	6%	1,050 53	47%	557	100								

Sato Academy of Mathematics & Science – Facts & Figures

Location 1100 Iroquois Avenue Long Beach CA 90815	Total Campus Area 16.95 Acres	Years Constructed 2014	Total Parking 172 Stalls	Total Building Area Permanent Construction 54,513 SF
Type 9-12	2021-2022 Enrollment 465	Factored Capacity 1,103	Permanent Capacity 1,050 Temporary Capacity 53	Total Building Area Portables 1,920



Sato Academy of Mathematics & Science – Existing Campus

Facility Condition (by Bldg)

	Good	0.00 – 0.05		AB300
	Fair	0.06 – 0.10		
	Poor	0.11 – 0.30		
	Critical	0.31 – 0.50		
	Divest	0.51 – 1.0		

Campus Observations/Issues

Activity Zones – Academic Buildings

A School not provided with equivalent High School amenities, including Gymnasium and Performance Theater

Activity Zone – Athletics/Physical Education

B School not provided with equivalent High School outdoor athletic facilities

C Lack of shade tree and canopies at outdoor area

D Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Sato Academy of Mathematics & Science – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	40	38,400
Portable Classrooms	2	1,920
◀ CAFM Designated Classroom w/Alt Use	6	5,760
Total Existing	48	46,080

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	465	1:35
Factored Capacity	1,103	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	14
Current Classroom Count	48

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,239 SF	1,541 SF
Auditorium	7,092 SF	2,382 SF
Gymnasium	-----	7,706 SF
Library	1,969 SF	1,868 SF
Nutrition Services		
Cafeteria	2,554 SF	1,588 SF
Food Service	1,377 SF	980 SF
Lunch Shelter	-----	1,401 SF
Site		
Playground	N/A	1.4 Acres
Parking	172 Stalls	35 Stalls



Sato Academy of Mathematics & Science – Nutrition Services Plan 2022-2032

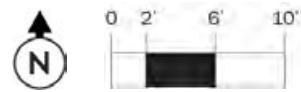
High Schools



Summary Improvement Plan

Overall Evaluation:

At 1377 square feet (including the Dry Storage area), the Sato High School kitchen is large, however, it is poorly laid out and lacks flow. The food service areas at Sato High School do not meet current ADA or EHS requirements. The kitchen lacks sufficient dry storage (which shares space with the supervisor's office). A Type II exhaust hood is not sufficient for the equipment below. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. A non-combustible wall finish is required behind the cooking equipment. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated employee storage cabinet and the exposed wood guillotine style door near the disposer are not EHS code compliant. Also, per EHS code, the wood framed windows directly above the sink and the lack of wall flashing below the sink are out of compliance. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There are no ADA compliant workstations within the kitchen or servery spaces. The ramp to the exterior service windows is not ADA compliant. These service windows have no screens or air curtains. There are two double exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. There is no employee hand sink or dedicated food preparation sink within the kitchen space. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



EXISTING BUILDING
FOOTPRINT MODERNIZATION

"TO FIT" DESIGN

NEW BUILDING FOOTPRINT

Wilson High
 4400 East 10th Street
 Long Beach, CA 90804

Planning Area
 Area F Wilson
 School #
 1939875

Educational Specification 53	Facility Condition 93	Capacity Utilization 77
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BUILDING DATA

Year Constructed 1925	Gross S.F. 347,233	Permanent Building Count 10	Oldest Building 1925	Newest Building 2000
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	27	X	22%	6
Relationships and Collaboration	45	X	15%	7
Wellness	61	X	15%	9
Safety and Security	83	X	21%	17
Features in Learning Environment	66	X	13%	9
Operational Utility	39	X	14%	5
Educational Specification Score:				53

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	89
Plumbing	95
Mechanical	86
Fire Protection	100
Electrical	90
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	
	92
Civil	100
5-YR FCI Score including Civil:	
	93



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
3,661	3,349	-312	-9%	2,731 1,050	123%	-618	2,256 63%	1,312 37%	3,568	2,256 58%	1,615 42%	3,871	-303 -8%	130% -828

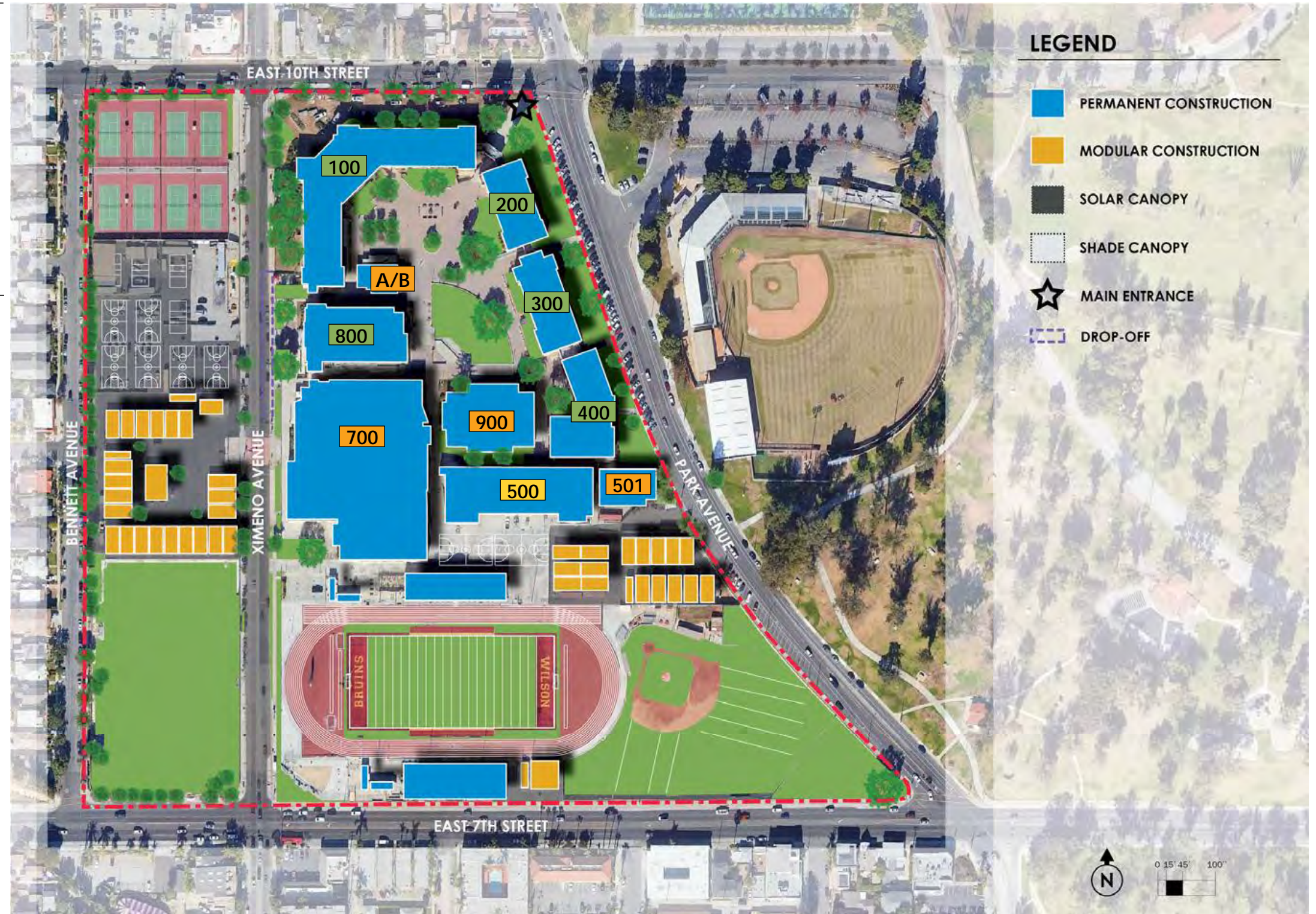
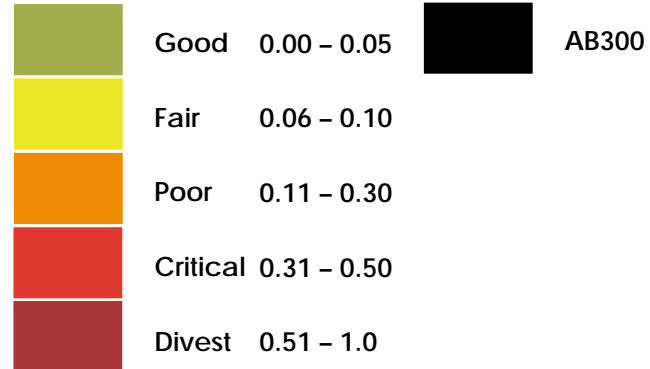
Woodrow Wilson High School – Facts & Figures

Location 4400 East Tenth Street Long Beach CA 90804	Total Campus Area 28.08 Acres	Years Constructed 1924, 1925, 1928, 1929, 1930, 1941, 1948, 1967, 1975, 1989, 1990, 1994	Total Parking 258 Stalls	Total Building Area Permanent Construction 366,759 SF
Type 9-12	2021-2022 Enrollment 3,661	Factored Capacity 3,781	Permanent Capacity 2,731 Temporary Capacity 1,050	Total Building Area Portables 38,400 SF



Woodrow Wilson High School – Existing Campus

Facility Condition (by Bldg)



Woodrow Wilson High School – Existing Space Utilization L01

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	101	129,560
Portable Classrooms	40	38,400
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	141	167,960

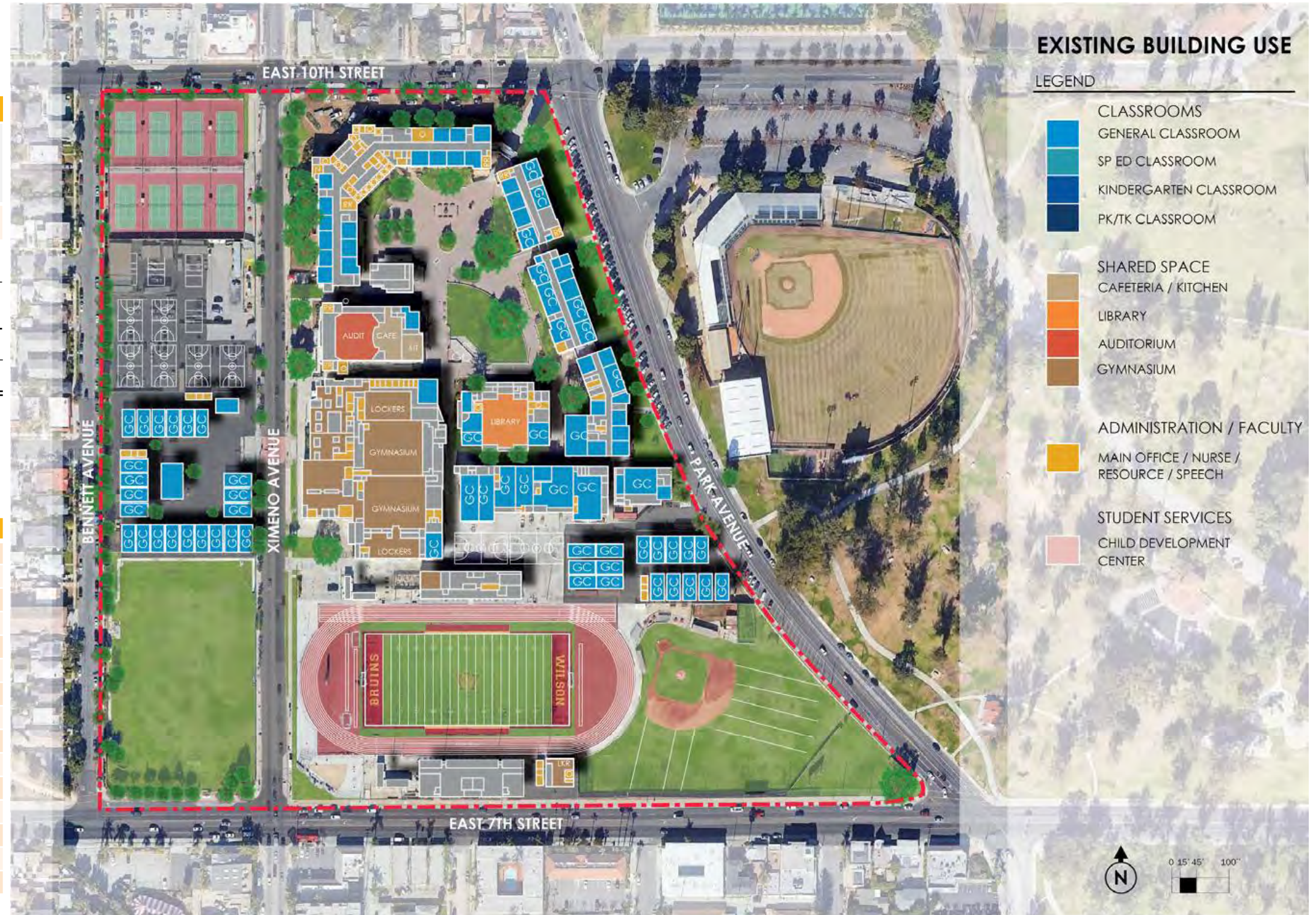
Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	3,661	1:35
Factored Capacity	3,781	

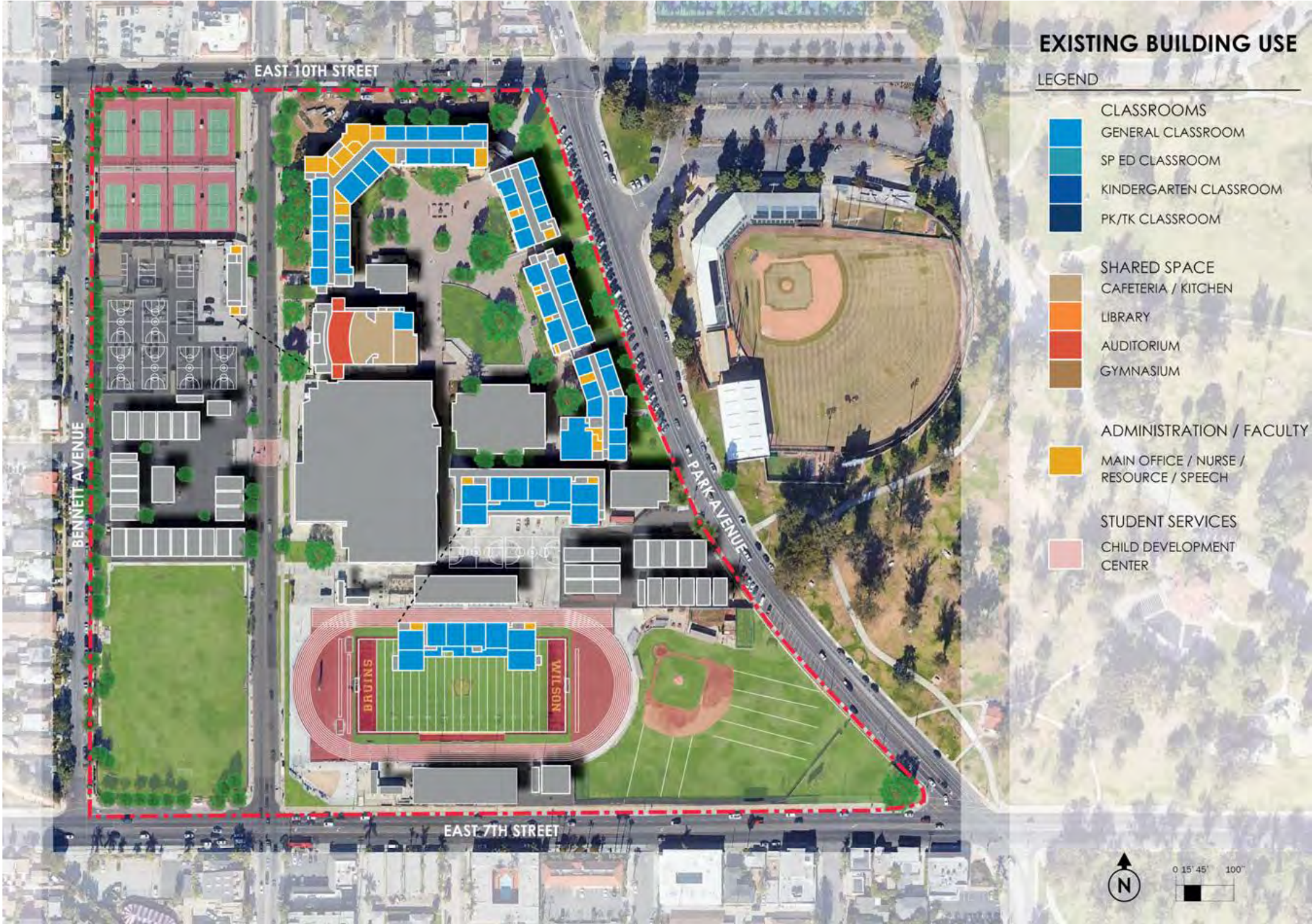
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	104
Current Classroom Count	141

2021-2022 Planning Capacity

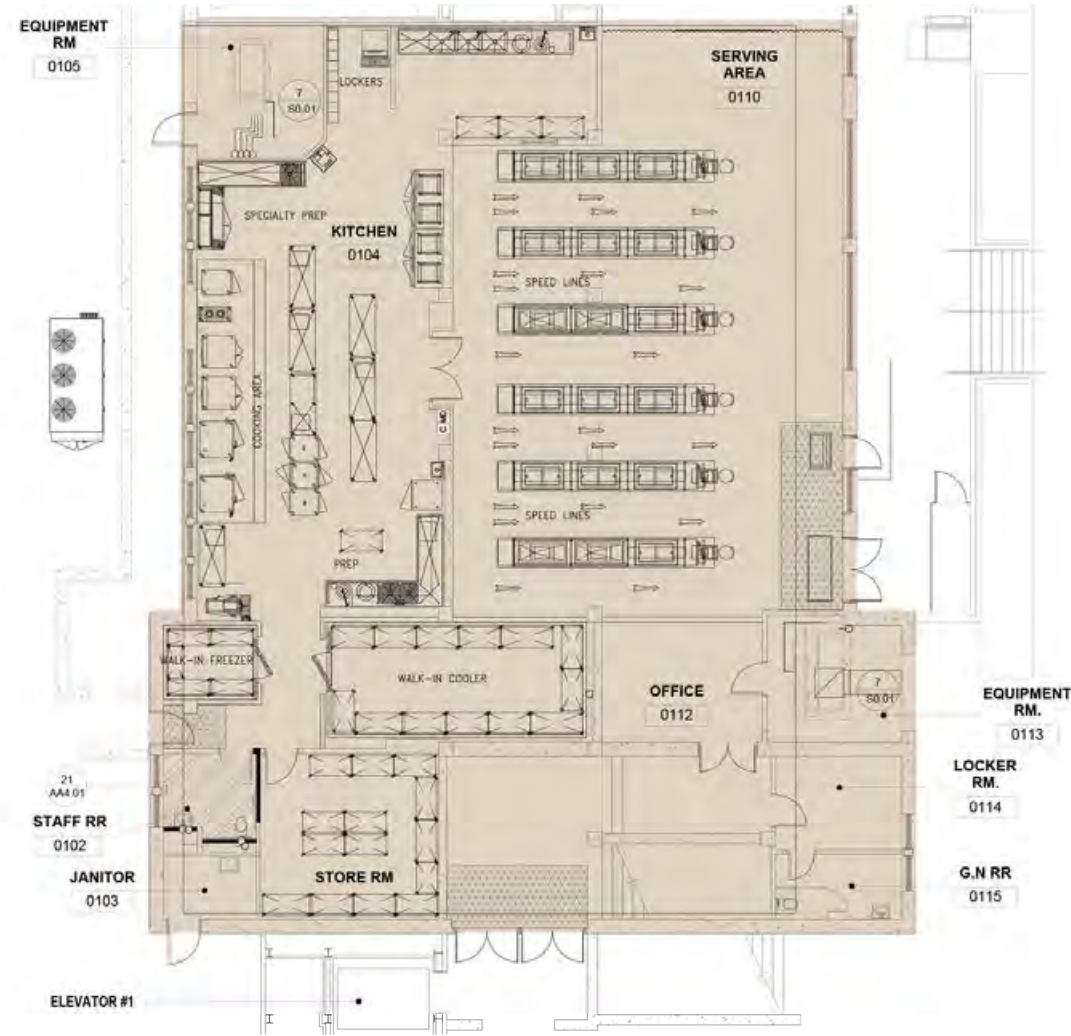
Category	Existing	Planning Capacity
Administration	3,649 SF	6,885 SF
Auditorium	2,736 SF	22,185 SF
Gymnasium	24,594 SF	39,015 SF
Library	1,453 SF	13,388 SF
Nutrition Services		
Cafeteria	3,745 SF	13,005 SF
Food Service	2,159 SF	4,208 SF
Lunch Shelter	----	11,475 SF
Site		
Playground	13.2 Acres	9.7 Acres
Parking	258 Stalls	273 Stalls



Woodrow Wilson High School – Existing Space Utilization L02



Woodrow Wilson High School – Nutrition Services Plan 2022-2032



Summary Improvement Plan

Overall Evaluation:

At 2159 square feet (not including the servery), the Wilson High School kitchen is large, however, the layout lacks flow and the food service areas do not meet current ADA or EHS requirements. The kitchen has sufficient dry storage and refrigeration.

Auxiliary Kitchen service is provided through one of six exterior service windows. The windows are placed so close together that currently only two of the windows are being utilized. The service lines are outside of the building. One side of the building is afforded a small bit of shade from the building itself while the other side is in full sun. Code requires that a hood must have specific overhang clearances to be deemed code compliant. The hood in this kitchen does not meet these requirements. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood fabricated service counter is not EHS code compliant.

The servery annex nearest the kitchen also utilizes exterior service windows. There are no ADA compliant workstations within the kitchen or servery spaces. Due to the height of the serving ledge, these service windows are not ADA compliant for staff or students. There are no screens or air curtains at the service windows. The double convection oven is (inadequately) covered by a Type II Exhaust Hood. A Type II exhaust hood is not CMC compliant for the equipment below. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System. The wall behind the hood is not sheathed in a non-combustible wall covering. The hood must also have certain overhang clearances to be deemed code compliant. The existing hood is undersized. Chemicals are being stored in the dry storage room. Although not a compliance issue, it is not considered best practice. The wood cabinet base with a sink, the wood service counters, and the wood storage shelving are not EHS code compliant. There are two exit doors in the annex that lack EHS required, full width, plunger activated air curtains. This site was part of the recent District HVAC improvements, however, there were no layout improvements and most of the old equipment has been re-used. The kitchen, servery and indoor seating are located in a basement and in need of relocation. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs



EXISTING BUILDING
FOOTPRINT MODERNIZATION

“TO FIT” DESIGN

NEW BUILDING FOOTPRINT

D Facility Reports: K-12 & K-8



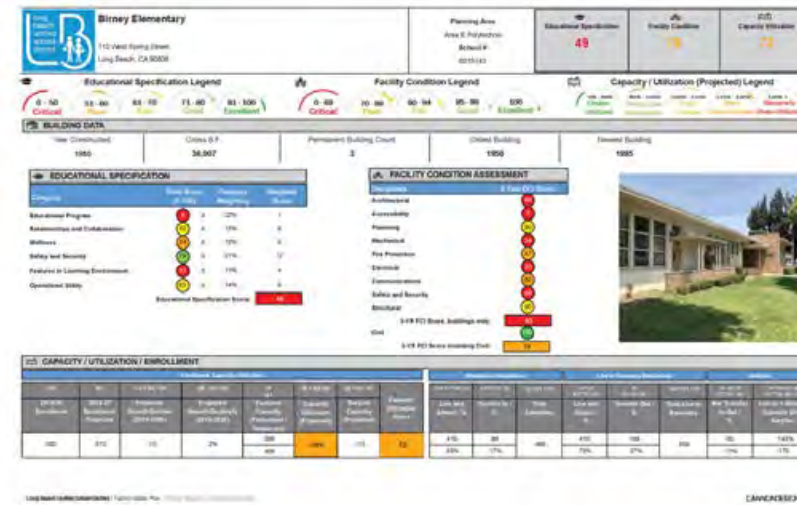
Facility Reports: K-12 & K-8 Schools

The appendices contain detailed facility reports highlighting critical facts and assessment findings that support the development, prioritization, and implementation of capital improvements. These reports include:

1. Facility Assessment Summary (Educational Specification, Facility Condition, & Capacity)
2. Critical Fact Sheet
3. Existing Campus Overview (Siteplan, Building Condition, Observations)
4. Existing Space Utilization (Classroom Count/Area, Core Spaces, Standards)
5. Nutrition Services Plan (Kitchen Improvements)

Schools are included in the following order:

- Avalon
- Cubberley
- Muir
- Newcomb
- Powell
- Robinson
- Tincher



Alice M. Birney Elementary School – Facts & Figures

Location 110 West Spring Street Long Beach, CA 90801 562.437.6212	Total Campus Area 8.03 Acres	Years Constructed 1950, 1952, 1954, 1948, 1988, 1990, 1993, 1994, 1997, 1998, 2001, 2002	Total Parking 41 Stalls	Total Building Area Permanent Construction 36,007 SF
Type TK-5	2021-2022 Enrollment 502	Factored Capacity 855	Permanent Capacity 399 Temporary Capacity 456	Total Building Area Portables 22,080 SF



Alice M. Birney Elementary School – Existing Space Utilization



Alice M. Birney Elementary School – Existing Campus



Alice M. Birney Elementary School – Nutrition Services Plan 2022-2032





Avalon K-12

200 Falls Canyon Road
Avalon, CA 90704

Planning Area
Area G Avalon
School #
1930411

Educational Specification
School Input Incomplete

Facility Condition
81

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1935	53,400	7	1935	2000

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			
<i>School Input Incomplete</i>			

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	81
Plumbing	94
Mechanical	61
Fire Protection	82
Electrical	35
Communications	79
Safety and Security	73
Structural	94
5-YR FCI Score, buildings only:	77
Civil	98
5-YR FCI Score including Civil:	81



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
467	451	-16	-3%	477 645	95%	26	32 7%	432 93%	464	32 100%	0 0%	32	432 1,350%	3% 461

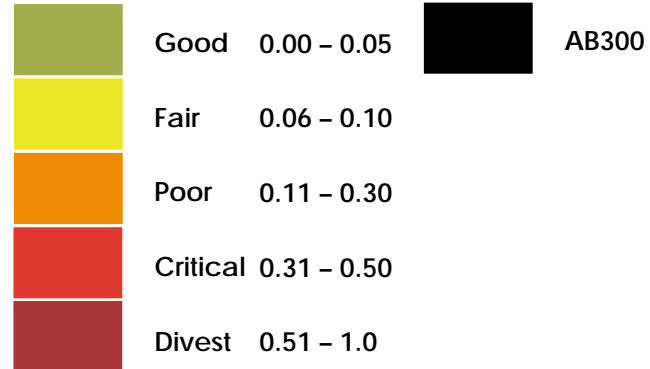
Avalon K12 School – Facts & Figures

Location P.O. Box 557 Avalon CA 90704 200 Falls Canyon Road Avalon CA 90704	Total Campus Area 11.39 Acres	Years Constructed 1935, 1936, 1952, 1987, 1988, 1991, 1993, 1995, 1996, 1998, 2003	Total Parking 12 Stalls	Total Building Area Permanent Construction 53,400 SF
Type TK-12	2021-2022 Enrollment 467	Factored Capacity 1,122	Permanent Capacity 477 Temporary Capacity 645	Total Building Area Portables 24,101 SF



Avalon K12 School – Existing Campus

Facility Condition (by Bldg)





Cubberley K-8

3200 Monogram Avenue
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
6015267

Educational Specification
45

Facility Condition
98

Capacity Utilization
81



BUILDING DATA

Year Constructed
1953

Gross S.F.
50,146

Permanent Building Count
5

Oldest Building
1953

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	8	X	22%	2
Relationships and Collaboration	48	X	15%	7
Wellness	39	X	15%	6
Safety and Security	74	X	21%	16
Features in Learning Environment	72	X	13%	9
Operational Utility	41	X	14%	6
Educational Specification Score:				45

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	98
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	100
Communications	96
Safety and Security	93
Structural	91
5-YR FCI Score, buildings only:	
	97
Civil	100
5-YR FCI Score including Civil:	
	98



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
920	823	-97	-11%	691	119%	-132	81	574	353	927	574	341	915	12	118%
				835				62%	38%		63%	37%		1%	-127

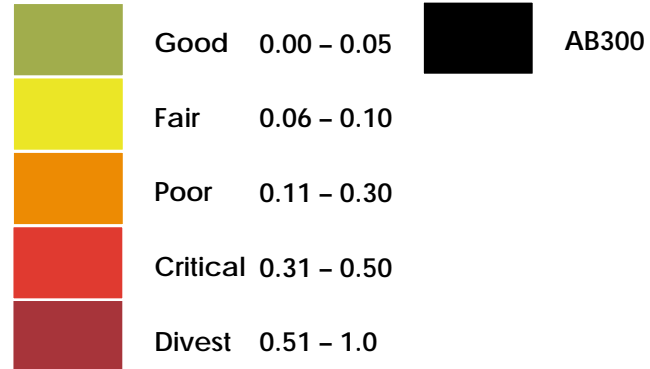
Cubberley K8 School – Facts & Figures

<p>Location 3200 Monogram Avenue Long Beach CA 90808</p>	<p>Total Campus Area 9.39 Acres</p>	<p>Years Constructed 1953, 1955, 1956, 1967, 1993, 1995, 1996, 1997, 1998, 2000, 2001</p>	<p>Total Parking 21 Stalls</p>	<p>Total Building Area Permanent Construction 50,416 SF</p>
<p>Type TK-8</p>	<p>2021-2022 Enrollment 920</p>	<p>Factored Capacity 1,526</p>	<p>Permanent Capacity 691 Temporary Capacity 835</p>	<p>Total Building Area Portables 28,008 SF</p>



Cubberley K8 School – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings
- C** Lack of Middle School equivalent Gymnasium facilities

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Baseball not provided (included at other Middle Schools)
- F** Soccer facilities (not provided at other Middle Schools)
- G** Lack of shade trees at play area
- H** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Cubberley K8 School – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	24	22,574
Portable Classrooms	29	28,008
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	53	50,582

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	920	1:30/1:35
Factored Capacity	1,526	

New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	32
Current Classroom Count	53

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,632 SF	1,868 SF
Auditorium	3,679 SF	5,697 SF
Library	1,652 SF	2,802 SF
Nutrition Services		
Cafeteria	2,137 SF	3,176 SF
Food Service	723 SF	1,214 SF
Lunch Shelter	820 SF	2,802 SF
Site		
Playground	5.9 Acres	2.3 Acres
Parking	21 Stalls	80 Stalls

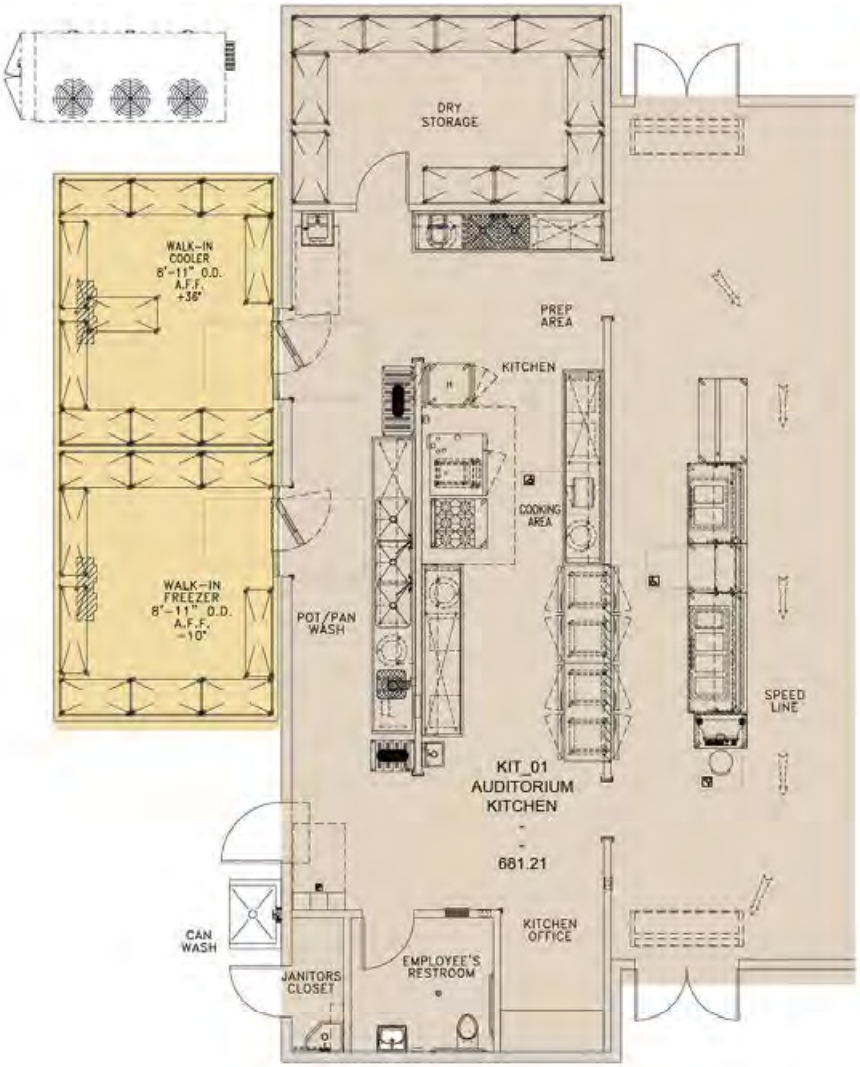


Cubberley K-8 School – Nutrition Services Plan 2022-2032

Summary Improvement Plan

Overall Evaluation:

At 723 square feet (including the Dry Storage area), the kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Cubberley K-8 School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage; the space is shared with the supervisor’s office, which is a Health Department code violation. Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The primary service line is accessed by entering the kitchen. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by five units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The exposed wood guillotine style door near the disposer is not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. The air curtains in the cafeteria are undersized. Per EHS requirements, air curtains should cover the full width of the door opening below. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.



“TO FIT” DESIGN





Muir Elementary TK-8

3038 Delta Avenue
Long Beach, CA 90810

Planning Area
Area D Cabrillo
School #
6015531

Educational Specification
School Input Incomplete

Facility Condition
93

Capacity Utilization
77



BUILDING DATA

Year Constructed
1945

Gross S.F.
48,553

Permanent Building Count
4

Oldest Building
1945

Newest Building
1998

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
----------	---------------------	--------------------	----------------

- Educational Program
- Relationships and Collaboration
- Wellness
- Safety and Security
- Features in Learning Environment
- Operational Utility

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	84
Plumbing	100
Mechanical	99
Fire Protection	99
Electrical	92
Communications	99
Safety and Security	100
Structural	99
5-YR FCI Score, buildings only:	91
Civil	100
5-YR FCI Score including Civil:	93



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis			
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %		Live-in + Growth Capacity Util / Surplus
946	799	-147	-16%	648	123%	-151	77	573	133	706	573	124	697	9		85%
				662				81%	19%		82%	18%		1%		98

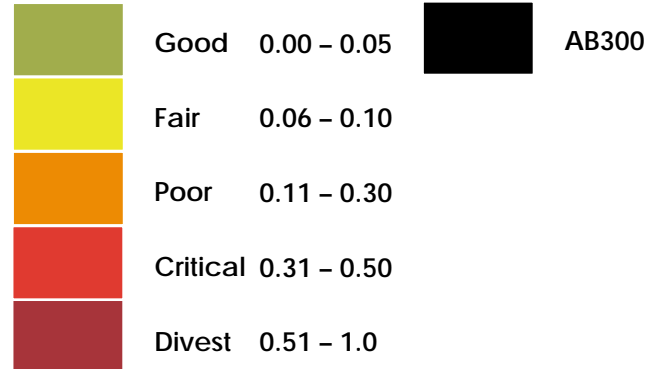
Muir Academy- Facts & Figures

<p>Location 3038 Delta Avenue Long Beach CA 90810 562.426.5571</p>	<p>Total Campus Area 7.12 Acres</p>	<p>Years Constructed 1945, 1948, 1951, 1952, 1953</p>	<p>Total Parking 53 Stalls</p>	<p>Total Building Area Permanent Construction 48,553 SF</p>
<p>Type TK-8</p>	<p>2021-2022 Enrollment 946</p>	<p>Factored Capacity 1,310</p>	<p>Permanent Capacity 648 Temporary Capacity 662</p>	<p>Total Building Area Portables 24,442 SF</p>



Muir Academy – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings
- C** Lack of Middle School equivalent Gymnasium facilities

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Baseball not provided (included at other Middle Schools)
- F** Lack of shade trees at play area
- G** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Muir Academy – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	25	21,993
Portable Classrooms	23	24,422
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	48	46,415

Enrollment & Capacity

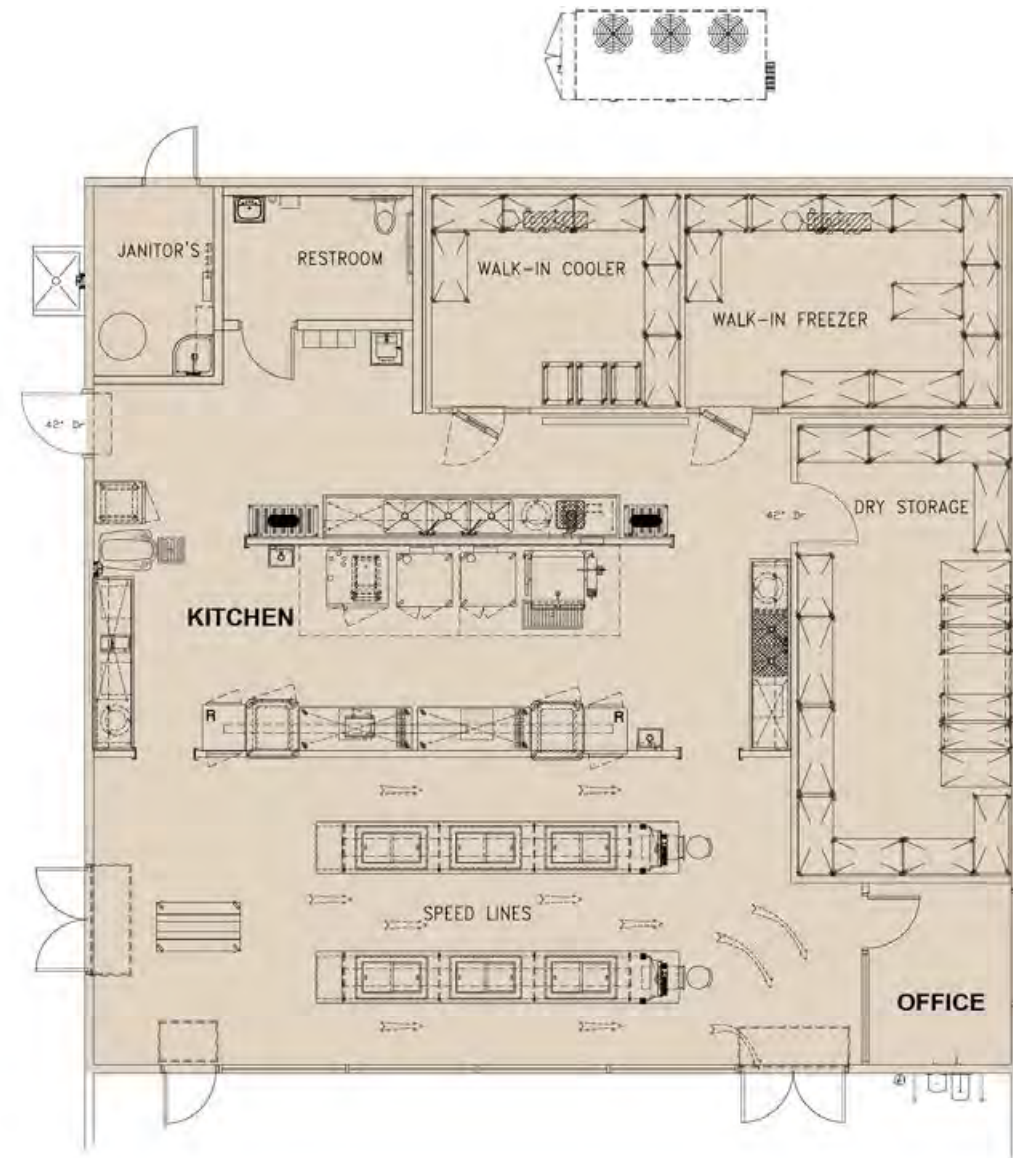
	Student Count	Loaded Clsm
2021-2022 Enrollment	946	1:30/1:35
Factored Capacity	1,310	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	32
Current Classroom Count	48

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,999 SF	2,286 SF
Auditorium	2,388 SF	3,534 SF
Library	1,465 SF	2,772 SF
Nutrition Services		
Cafeteria	2,123 SF	2,356 SF
Food Service	733 SF	1,455 SF
Lunch Shelter	----	2,079 SF
Site		
Playground	3.6 Acres	2.4 Acres
Parking	53 Stalls	80 Stalls



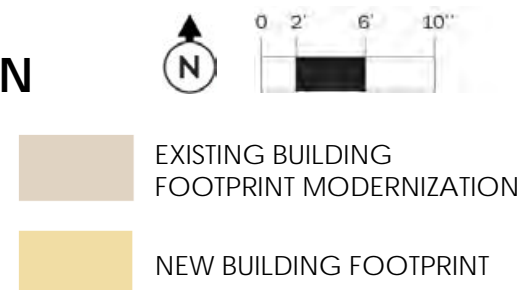


Summary Improvement Plan

Overall Evaluation:

At 733 square feet (including the Dry Storage area), the kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Muir K-8 School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The primary service line is accessed by entering the kitchen. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by seven fractional units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. One of the freezers had excessive condensation on the front facia. It had formed a pool of water below and in front of the unit at time of site visit. This is a hazard. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood guillotine style door near the disposer is not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no hand sink or dedicated food preparation sink within the kitchen space. There are two exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

PROTOTYPE DESIGN





Newcomb Academy TK-8

3351 Val Verde Avenue
Long Beach, CA 90808

Planning Area
Area C Millikan
School #
6015556

Educational Specification
63

Facility Condition
100

Capacity Utilization
100



BUILDING DATA

Year Constructed
1962

Gross S.F.
55,081

Permanent Building Count
7

Oldest Building
1962

Newest Building
1962

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	43	X	22%	10
Relationships and Collaboration	55	X	15%	8
Wellness	76	X	15%	11
Safety and Security	80	X	21%	17
Features in Learning Environment	74	X	13%	10
Operational Utility	56	X	14%	8
Educational Specification Score:				63

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	99
Plumbing	100
Mechanical	100
Fire Protection	100
Electrical	99
Communications	100
Safety and Security	100
Structural	100
5-YR FCI Score, buildings only:	
	99
Civil	100
5-YR FCI Score including Civil:	
	100



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
783	829	46	6%	1,354 0	61%	525	100	372 47%	414 53%	786	372 90%	40 10%	412	374 91%	34% 896

Newcomb K8 Academy – Facts & Figures

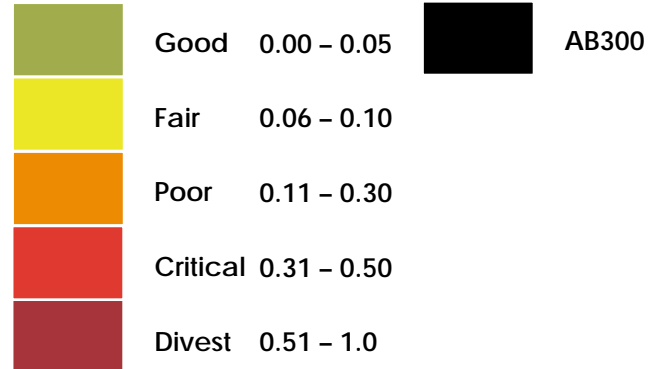
<p>Location 3351 Val Verde Avenue Long Beach CA 90808 562.493.3596</p>	<p>Total Campus Area 13.5 Acres</p>	<p>Years Constructed 1952, 1954, 1960, 1962, 1989, 1995, 1996</p>	<p>Total Parking 79 Stalls</p>	<p>Total Building Area Permanent Construction 68,322 SF</p>
<p>Type TK-8</p>	<p>2021-2022 Enrollment 783</p>	<p>Factored Capacity 1,354</p>	<p>Permanent Capacity 1,354 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Newcomb K8 Academy School – Existing Campus

AB 300 Buildings on Site, No Specific Building Indicated.

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Baseball not provided (included at other Middle Schools)
- B** Soccer facilities (not provided at other Middle Schools)
- C** Lack of shade trees at play area
- D** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Newcomb K8 Academy School – Existing Space Utilization

AB 300 Buildings on Site, No Specific Building Indicated.

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	53	53,761
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	----	----
Total Existing	53	53,761

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	783	1:30/1:35
Factored Capacity	1,354	

New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	22
Current Classroom Count	53

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	11,653 SF	1,610 SF
Auditorium	6,719 SF	2,489 SF
Gymnasium	10,088 SF	8,052 SF
Library	3,051 SF	1,952 SF
Nutrition Services		
Cafeteria	6,719 SF	1,659 SF
Food Service	2,289 SF	1,025 SF
Lunch Shelter	6,400 SF	1,464 SF
Site		
Playground	5.9 Acres	1.9 Acres
Parking	79 Stalls	55 Stalls



Newcomb K8 Academy – Nutrition Services Plan 2022-2032

Middle Schools & K-8

NEWER SCHOOL – CODE COMPLIANT

Summary Improvement Plan

Overall Evaluation:

The Newcomb Academy was only 6 years old at the time of the site visit. At 2289 square feet (including the Dry Storage area), the kitchen is large for a retherm only kitchen. The exhaust hood is oversized for the existing equipment. The food service areas at Newcomb K-8 School meet current ADA, EHS and NSF requirements. The kitchen has sufficient dedicated dry storage. Aisleways are ADA compliant. Refrigeration is accommodated by a walk-in cooler and a walk-in freezer. There is a hand sink, a dedicated food preparation sink and an NSF compliant 3 compartment pot wash sink. With two serving options, the staff is able to serve the students quickly and efficiently. There are six exit doors in the cafeteria that do not have EHS required, full width, plunger activated air curtains. This site is well set up to serve current and future student populations and to easily meet and exceed daily meal requirements



Colin Powell Elementary TK-8

150 West Victoria Street
Long Beach, CA 90805

Planning Area
Area A Jordan
School #
6116933

Educational Specification
School Input Incomplete

Facility Condition
98

Capacity Utilization
100



BUILDING DATA

Year Constructed	Gross S.F.	Permanent Building Count	Oldest Building	Newest Building
1999	110,800	12	1999	2002

EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)	Category Weighting	Weighted Score
Educational Program			
Relationships and Collaboration			
Wellness			
Safety and Security			
Features in Learning Environment			
Operational Utility			

School Input Incomplete

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	100
Plumbing	100
Mechanical	98
Fire Protection	100
Electrical	97
Communications	100
Safety and Security	96
Structural	98
5-YR FCI Score, buildings only:	99
Civil	96
5-YR FCI Score including Civil:	98



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis	
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l')	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)	Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
846	704	-142	-17%	1,652 0	43%	948	706 84%	133 16%	839	706 58%	506 42%	1,212	-373 -31%	65% 582

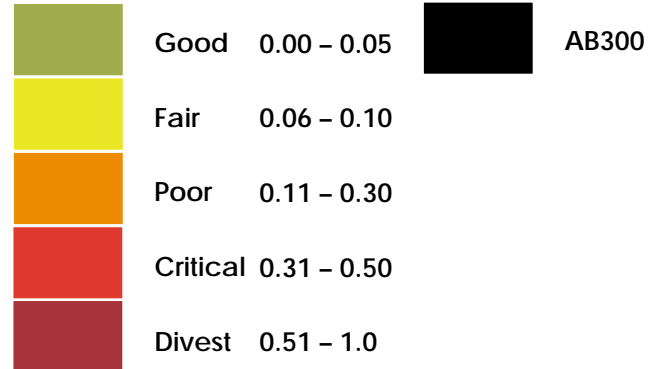
Colin Powell K8 Academy for Success – Facts & Figures

<p>Location 150 Victoria Street Long Beach CA 90805 310.631.8794</p>	<p>Total Campus Area 17.13 Acres</p>	<p>Years Constructed 2004, 2005</p>	<p>Total Parking 167 Stalls</p>	<p>Total Building Area Permanent Construction 79,518</p>
<p>Type TK-8</p>	<p>2021-2022 Enrollment 846</p>	<p>Factored Capacity 1,652</p>	<p>Permanent Capacity 1,652 Temporary Capacity 0</p>	<p>Total Building Area Portables -----</p>



Colin Powell K8 Academy for Success – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zone – Athletics/Physical Education

- A** Visibility of outdoor Kinder play from street
- B** Baseball not provided (included at other Middle Schools)
- C** Lack of shade trees at play area
- D** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Colin Powell K8 Academy for Success – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	49	46,080
Portable Classrooms	----	----
◀ CAFM Designated Classroom w/Alt Use	7	6,720
Total Existing	56	52,800

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	846	1:30/1:35
Factored Capacity	1,652	

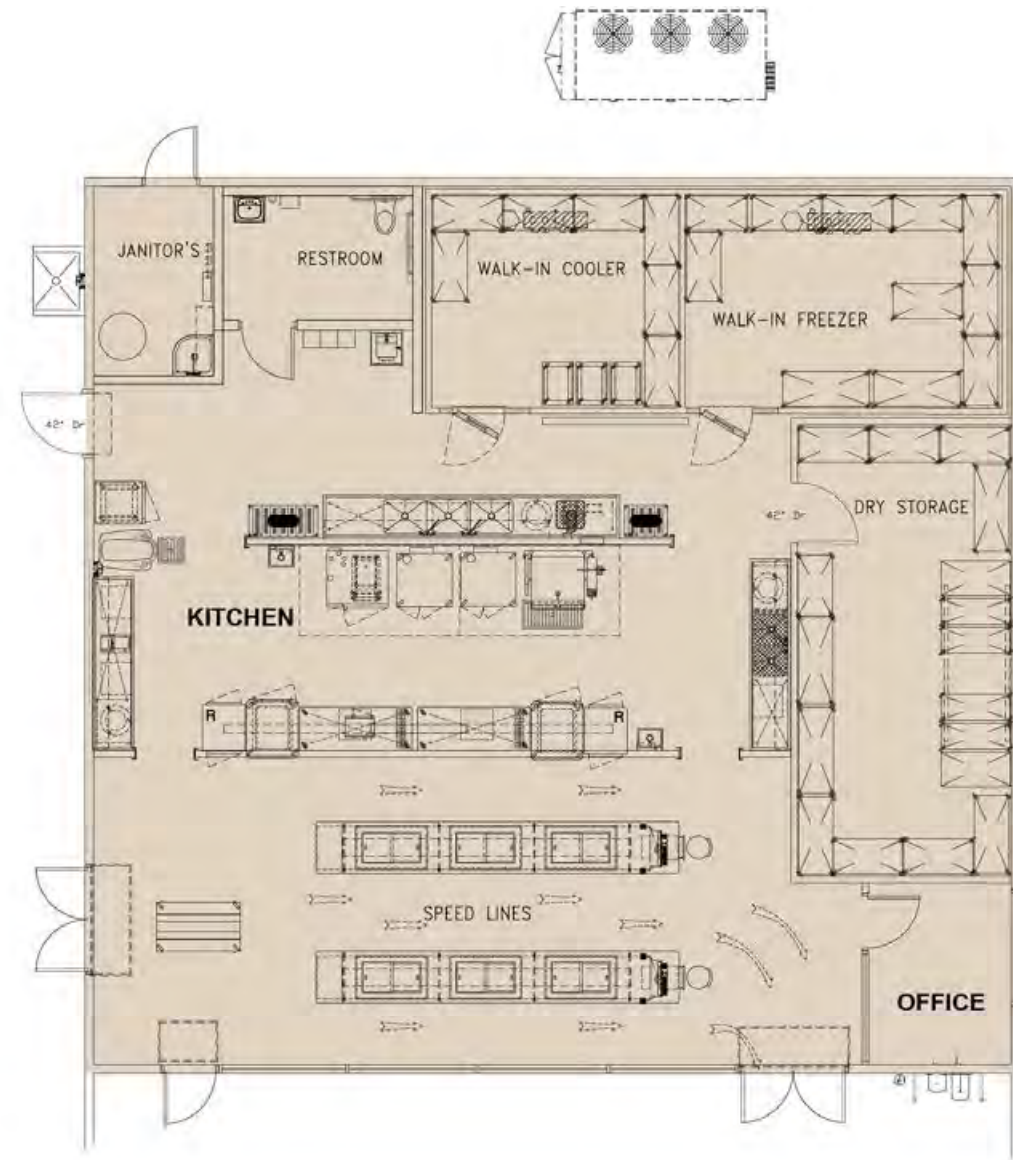
New Classrooms to Be Constructed	----
Total # Loaded Classrooms Required	30
Current Classroom Count	56

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	3,000 SF	2,934 SF
Gymnasium	10,556 SF	14,668 SF
Library	4,789 SF	3,556 SF
Nutrition Services		
Cafeteria	2,637 SF	3,023 SF
Food Service	1,620 SF	1,867 SF
Lunch Shelter	880 SF	2,667 SF
Site		
Playground	----	2.2 Acres
Parking	167 Stalls	75 Stalls



Powell K-8 School – Nutrition Services Plan 2022-2032

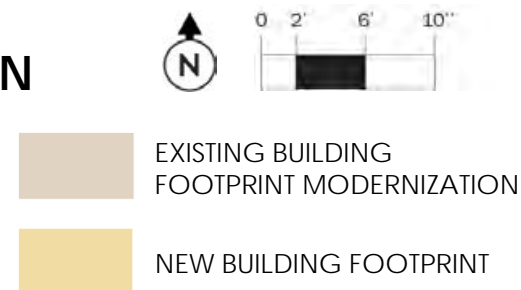


Summary Improvement Plan

Overall Evaluation:

At 1620 square feet, the kitchen space is large, however, the food service areas at Powell K-8 School do not meet current ADA, EHS or NSF requirements. This makes it challenging to accommodate continually changing USDA requirements. The layout space for landing chilled product and reheated product is inadequate. Chemicals are being stored in the dry storage room. Although not a compliance issue, it is also not considered best practices. Delivery cabinets, heated holding cabinets and utility carts litter the kitchen aiseways. There is an employee hand sink and a dedicated food preparation sink within the kitchen space. ADA requires that exposed 'P' traps below hand sinks be insulated. There are no window screens or air curtains at the service windows. At time of site visit, the coved base was separating from the wall panels inside the walk-in cooler and there was an overabundance of ice build-up on the strip curtains in the walk-in freezer. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

PROTOTYPE DESIGN





Jackie Robinson Academy K-8

2750 Pine Avenue
Long Beach, CA 90806

Planning Area
Area E Polytechnic
School #
6112056

Educational Specification 29	Facility Condition 94	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1994	Gross S.F. 49,196	Permanent Building Count 4	Oldest Building 1994	Newest Building 1997
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	13	X	22%	3
Relationships and Collaboration	25	X	15%	4
Wellness	47	X	15%	7
Safety and Security	45	X	21%	10
Features in Learning Environment	6	X	13%	1
Operational Utility	36	X	14%	5
Educational Specification Score:				29

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	88
Plumbing	98
Mechanical	92
Fire Protection	95
Electrical	90
Communications	93
Safety and Security	100
Structural	97
5-YR FCI Score, buildings only: 91	
Civil	100
5-YR FCI Score including Civil: 94	



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
754	799	45	6%	1,181 202	68%	382	100	626 82%	133 18%	759	626 73%	227 27%	853	-94 -11%	76% 283

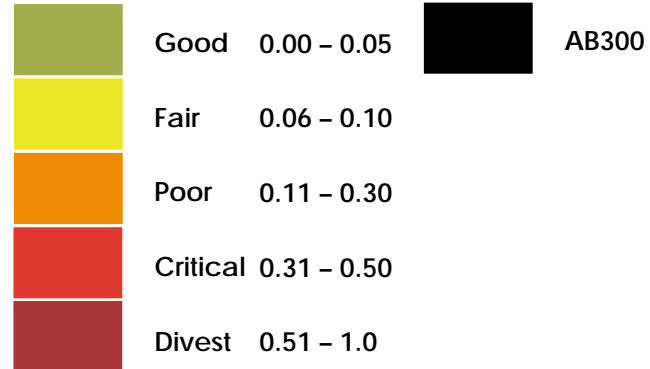
Jackie Robinson Academy – Facts & Figures

<p>Location 2750 Pine Avenue Long Beach CA 90806 562.492.6003</p>	<p>Total Campus Area 9.84 Acres</p>	<p>Years Constructed 1994, 1996</p>	<p>Total Parking 60 Stalls</p>	<p>Total Building Area Permanent Construction 49,196 SF</p>
<p>Type TK-8</p>	<p>2021-2022 Enrollment 754</p>	<p>Factored Capacity 1,382</p>	<p>Permanent Capacity 1,181 Temporary Capacity 202</p>	<p>Total Building Area Portables 8,352 SF</p>



Jackie Robinson Academy – Existing Campus

Facility Condition (by Bldg)



Campus Observations/Issues

Activity Zones – Academic Building

- A** Lack of Middle School equivalent Gymnasium facilities

Activity Zone – Athletics/Physical Education

- B** Visibility of outdoor Kinder play from street
- C** Baseball not provided (included at other Middle Schools)
- D** Lack of shade trees at play area
- E** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



Jackie Robinson Academy – Existing Space Utilization

Core Facilities Data

Existing Classroom Count

Type	#	Total SF
Permanent Classrooms	43	41,345
Portable Classrooms	7	8,352
◀ CAFM Designated Classroom w/Alt Use	---	---
Total Existing	50	49,697

Enrollment & Capacity

	Student Count	Loaded Clsm
2021-2022 Enrollment	754	1:30/1:35
Factored Capacity	1,382	

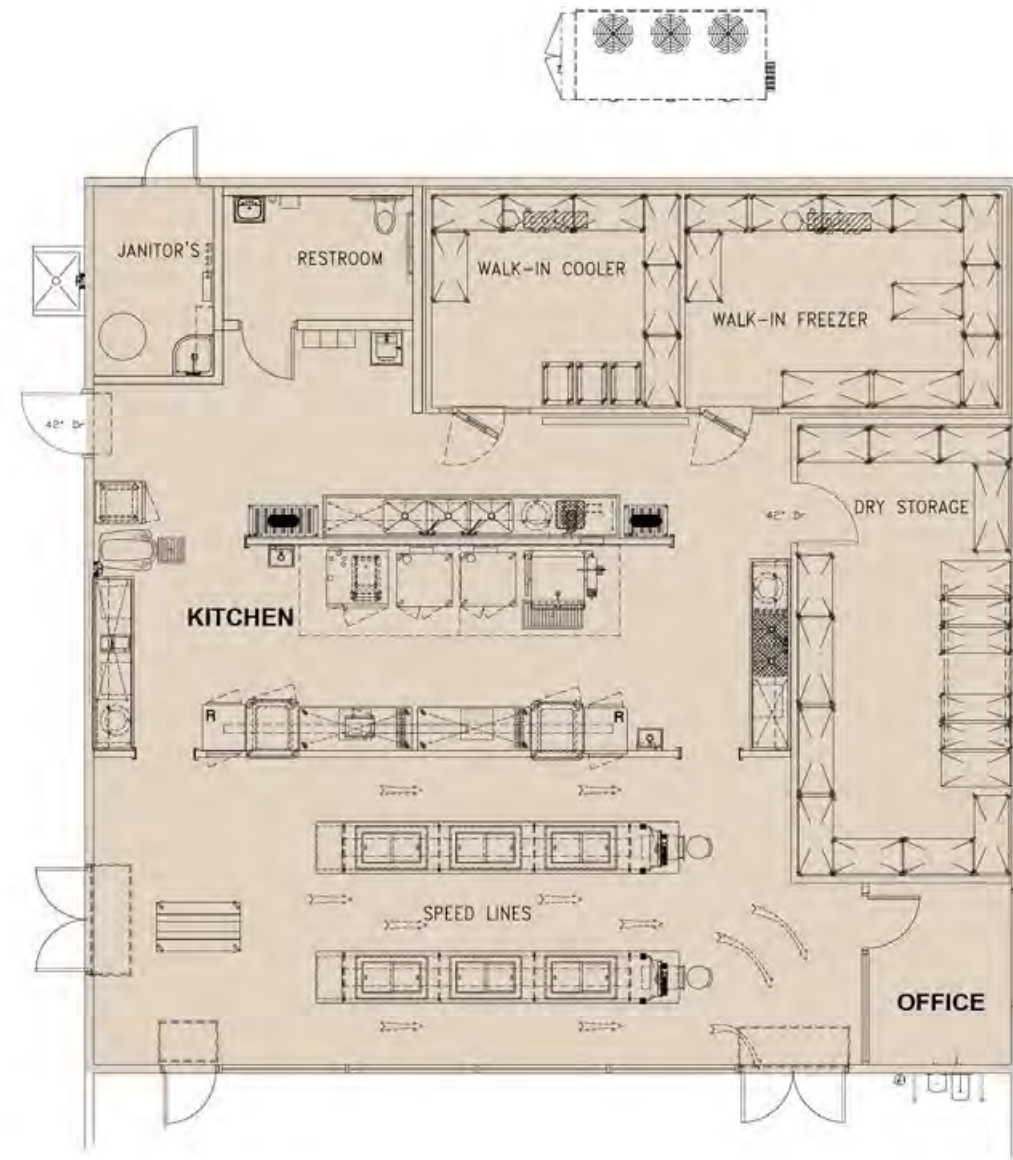
New Classrooms to Be Constructed	---
Total # Loaded Classrooms Required	26
Current Classroom Count	50

2021-2022 Planning Capacity

Category	Existing	Planning Capacity
Administration	2,029 SF	2,597 SF
Auditorium/MPR	4,153 SF	4,014 SF
Library	1,640 SF	3,148 SF
Nutrition Services		
Cafeteria	(See MPR)	2,676 SF
Food Service	812 SF	1,653 SF
Lunch Shelter	3,840 SF	2,361 SF
Site		
Playground	---	2.0 Acres
Parking	60 Stalls	65 Stalls



Robinson K-8 School – Nutrition Services Plan 2022-2032

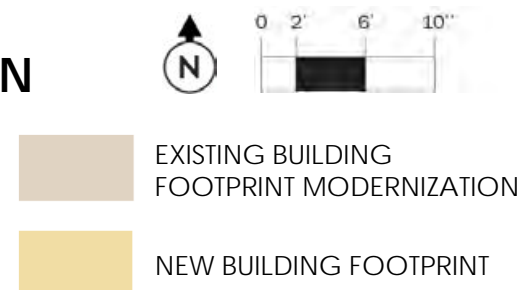


Summary Improvement Plan

Overall Evaluation:

At 812 square feet (including the Dry Storage area and the Restroom), the kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Robinson K-8 School do not meet current ADA or EHS requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). The layout space for landing chilled product and reheated product is also inadequate. The primary service line is accessed by entering the kitchen. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by six units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. There is an employee hand sink. ADA requires that exposed 'P' traps below hand sinks be insulated. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no dedicated food preparation sink within the kitchen space. Code requires that a hood must have specific overhang clearances to be deemed code compliant. This hood does not meet these requirements. During the site visit, it was noted that the two self-contained freezers had excessive condensation on their front facias. The condensation was pooling under and in front of the units. This is a hazard. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

PROTOTYPE DESIGN





Tincher Preparatory School TK-8

1701 Petaluma Avenue
Long Beach, CA 90815

Planning Area
Area F Wilson
School #
6015648

Educational Specification 46	Facility Condition 73	Capacity Utilization 100
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BUILDING DATA

Year Constructed 1954	Gross S.F. 58,741	Permanent Building Count 5	Oldest Building 1954	Newest Building 1998
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EDUCATIONAL SPECIFICATION

Category	Total Score (0-100)		Category Weighting	Weighted Score
Educational Program	10	X	22%	2
Relationships and Collaboration	45	X	15%	7
Wellness	59	X	15%	9
Safety and Security	73	X	21%	15
Features in Learning Environment	54	X	13%	7
Operational Utility	46	X	14%	6
Educational Specification Score:				46

FACILITY CONDITION ASSESSMENT

Disciplines	5 Year DCI Score
Architectural	47
Plumbing	62
Mechanical	71
Fire Protection	90
Electrical	58
Communications	85
Safety and Security	100
Structural	85
5-YR FCI Score, buildings only:	
	63
Civil	96
5-YR FCI Score including Civil:	
	73



CAPACITY / UTILIZATION / ENROLLMENT

Enrollment, Capacity, Utilization							Attendance Breakdown			Live In Boundary Breakdown			Analysis		
(a)	(b)	(c) = (b) - (a)	(d) - (c) / (a)	(e) (e')	(f) = (b) / (e)	(g) = (e) - (b)	Capacity Utilization Score	(h & h') = (h) / (a)	(i & i') = (i) / (j)	(j) = (h) + (i)	(k) = (h) (k') = (k) / (m)	(l) (l') = (l) / (m)	(m) = (k) + (l)	(n) - (l) - (l) (n') = (n) / (m)	(o) = (m+c) / (e) (o') = (e) - (m) - (c)
2019-20 Enrollment	2026-27 Enrollment Projected	Projected Growth/Decline (2019-2026)	Projected Growth/Decline% (2019-2026)	Factored Capacity (Permanent / Temporary)	Capacity Utilization (Projected)	Surplus Capacity (Projected)		Live and Attend / %	Transfer In / %	Total Attending	Live and Attend / %	Transfer Out / %	Total Live-In Boundary	Net Transfer In-Out / %	Live-in + Growth Capacity Util / Surplus
726	827	101	14%	893 691	93%	66	100	257 56%	202 44%	459	257 74%	92 26%	349	110 32%	50% 443

Tincher K8 Preparatory School – Facts & Figures

<p>Location 1701 Petaluma Avenue Long Beach CA 90815 562.493.2636</p>	<p>Total Campus Area 10.57 Acres</p>	<p>Years Constructed 1954, 1955, 1960, 1987, 1997</p>	<p>Total Parking 51 Stalls</p>	<p>Total Building Area Permanent Construction 58,741 SF</p>
<p>Type TK-8</p>	<p>2021-2022 Enrollment 726</p>	<p>Factored Capacity 1,584</p>	<p>Permanent Capacity 893 Temporary Capacity 691</p>	<p>Total Building Area Portables 23,340 SF</p>



Tincher K8 Preparatory School – Existing Campus

Facility Condition (by Bldg)

Good	0.00 – 0.05	AB300
Fair	0.06 – 0.10	
Poor	0.11 – 0.30	
Critical	0.31 – 0.50	
Divest	0.51 – 1.0	

Campus Observations/Issues

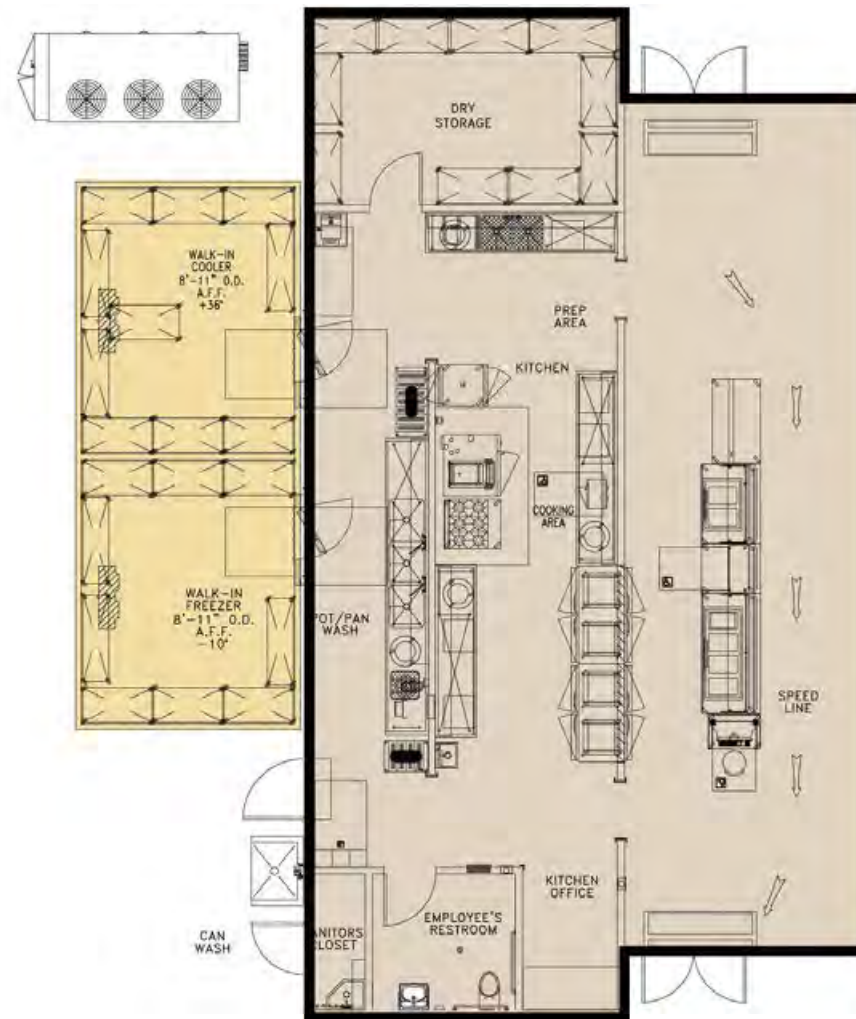
Activity Zones – Academic Buildings

- A** Remote location of classrooms does not provide for maximized collaboration and shared use of specialty program spaces on campus
- B** Large number of students located in portables compared to number of students in permanent buildings
- C** Lack of Middle School equivalent Gymnasium facilities

Activity Zone – Athletics/Physical Education

- D** Visibility of outdoor Kinder play from street
- E** Baseball not provided (included at other Middle Schools)
- F** Soccer facilities (not provided at other Middle Schools)
- G** Lack of shade trees at play area
- H** Significant large areas of blacktop without use of reflective paints to reduce heat island and improve quality of play



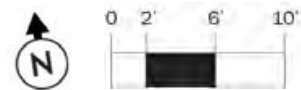


Summary Improvement Plan

Overall Evaluation:

At 708 square feet (including the Dry Storage area), the kitchen is small and cramped. This space is inadequate for the 2021-2022 Enrollment and service model. The food service areas at Tincher K-8 School do not meet current ADA, EHS or NSF requirements. This makes it challenging to accommodate continually changing USDA requirements. The kitchen lacks sufficient dedicated dry storage (which shares the space with the supervisor's office area). Dry storage is supplemented with a remote, exterior storage container. The layout space for landing chilled product and reheated product is also inadequate. The primary service line is accessed by entering the kitchen. Due to the size constraints of the kitchen, the service aisles for both the staff and the students are undersized and do not meet ADA requirements. Refrigeration is accommodated by six units within the kitchen space and supplemented with overflow refrigerated equipment in the cafeteria. Exposed wood in the kitchen is a potential harbinger for pests and/or vermin and is not allowed per EHS code. The wood stanchions on the food guards; The wood window mullions above the pot sink and the exposed wood guillotine style door near the disposer are not EHS code compliant. Wall flashing is required behind (which includes below) all wet areas including but not limited to sinks and disposers. There is no employee hand sink or dedicated food preparation sink within the kitchen space. The air curtains in both the kitchen and cafeteria are wired to be switch activated. Per EHS code, air curtains should be plunger activated to avoid the possibility of shutting them off while service is in process. Code requires a UL Listed Type I exhaust hood with a UL 300 Fire Suppression System and non-combustible wall flashing below. This site would benefit from a prototype design to address EHS and DSA code compliance issues and provide an equipment package to meet current and future CNS needs.

"TO FIT" DESIGN



- EXISTING BUILDING
FOOTPRINT MODERNIZATION
- NEW BUILDING FOOTPRINT

E Sustainability Investments





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TOP 5 PROGRAM INVESTMENTS

Detailed list follows

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$-\$-\$-\$-\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
01B	Complete Fundamental, Enhanced, and Envelope Commissioning for all new construction	To support the design, construction, and eventual operation of all projects, and optimize energy, water, indoor environmental quality, and durability performance	\$\$	Manuals, training, testing, and operations review	\$\$\$	• •	1	TBD	Utilize 3rd party commissioning review and verification to ensure high levels of building system performance	Reducing Energy Use
04D	Brownfield Myco-remediation	Naturally clean up polluted sites	\$\$\$	Sites data from FCA	\$\$\$\$	• • • •	1	California State Water Resources Control Board; CalEPA; EPA Region 9	Identify brownfield sites and prioritize based on community need.	Reducing Toxins
06A	Equitable Sustainability Projects Practices	Ensure that sustainability is upheld equitably districtwide.	\$	EUI data, student socio-economic data, benefit per student	\$\$\$	• • • •	1	City of Long Beach	Transparent, data-driven prioritization with overt stakeholder outreach	Equity
07C	District-wide resiliency disruption plan	Preparedness planning	\$	Operational plans and existing resiliency planning	\$\$\$\$\$	• • • • •	1	California Resiliency Alliance; ResilientCA; SoCalCOG	Follow RELI and ULI resiliency strategies and coordinate with community response	Commitment to Climate Change and Justice
08A	100% Renewables / RECs by 2030	Meet Board Policy and make progress toward carbon neutrality	\$ - \$\$\$	EUI performance	\$\$\$\$\$	*****	1	SCE; PPA provider	Taking the 2021 and 2022 solar implementation, coordinate with five year roadmap to achieve 100% renewables for remaining sites. Coordinate with DER projects.	Renewable Energy
08B	Deep Energy Retrofits and Upgrades	Lower EUI of all buildings and prepare for NZE	\$\$\$\$\$	EUI performance	\$\$\$\$\$	*****	1	LBNL; PNNL; ACEEE	Top priority: using EUI data, identify top 20 sites in need of retrofitting or system upgrades; priority to non-HVAC schools and schools built before 1980 (majority).	Reducing Energy Use



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01: Campus Building Design Standards

“Every building in LBUSD (new and existing) is a green building.”

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
01A	Certification of all existing campus buildings (LEED EBOM)	Bring all building up to a sustainability standard and prepare for the future	\$\$\$\$	EUI performance, renovations materials	\$	••	4	USGBC - LA	Prioritize sites capable of scoring Silver or higher. Use LEED volume program to streamline paperwork.	Commitment to Climate Change and Justice
01B	Complete Fundamental, Enhanced, and Envelope Commissioning for all new construction	To support the design, construction, and eventual operation of all projects, and optimize energy, water, indoor environmental quality, and durability performance	\$\$	Manuals, training, testing, and operations review	\$\$\$	••	1	TBD	Utilize 3rd party commissioning review and verification to ensure high levels of building system performance	Reducing Energy Use
01C	Red-list Free Materials	Incorporate the Living Building Challenge's 'Red List' material restrictions into the current material procurement process.	\$\$\$	Chemical performance of materials	\$\$\$\$	•••	3	TBD	Investigate the negative student and faculty impacts associated with the materials included with LBC's Red List and eliminate all that are feasible	Student Health



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02: Campus as a Living Laboratory

“Our campuses are vital influencers and educators of our community.”

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$ \$ \$ \$ \$ \$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
02A	Campus Community STEM Art Program	Make the District visible and attract new students/families	\$\$	Campus GIS maps	\$	•	5	City of Long Beach; Downtown Long Beach Alliance	Identify an equitable array of sites, with goal to expand to all campuses, and use transparent selection prices to solicit art from local artists.	Commitment to Climate Change and Justice
02B	Performance Transparency Educational Program	Use and optimize student curriculum to study, measure, review and improve upon ongoing building and campus performance and operations	\$\$	% of curriculum with practical exposure to student surroundings	\$	•	2	TBD	Find connections between curriculum and campus performance and utilize education as a means to improve upon various items such as energy measurement and improvement, soil content and chemistry testing, water sampling and testing, air quality management testing, air-tightness of buildings, flora and fauna sampling and summary, etc.	Student Health



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03: Placemaking + Landscaping

“LBUSD is an exciting and vibrant neighborhood enhancement.”

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$EP: \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
03A	Heat Island Reductions	Reduce cooling loads	\$\$\$	Impervious site coverage; portables coverage	\$\$\$	••••	3	Public Works - City of Long Beach; Downtown Long Beach Alliance	Prioritize sites without air conditioning first, then sites with high EUI. Coordinate with existing plans to remove portables and/or site improvements.	Reducing Energy Use
03B	Privately-owned, publicly-open spaces (POPOS) Neighborhood Visioning Plan	Weave the schools into the fabric of the neighborhood to attract students/families	\$	GIS mapping	\$	•	4	Downtown Long Beach Alliance; LB City Parks; Trust for Public Land	Working with local partners, envision all campuses as a linked network of public spaces that invite community use; connect to community need to prioritize.	Commitment to Climate Change and Justice
03C	Landscape Maintenance Reduction	Reducing time and money spent on maintenance through landscape transformation	\$	GIS mapping, vegetation mapping	\$\$	•••	4		Identifying the total site area maintenance requirements, throughout the year, rank sites/campuses based on their maintenance requirements	Reducing Waste



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04: Regeneration + Living Infrastructure

"LBUSD is a restored ecosystem that is healing the damage from our Industrial past."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
04A	Stormwater Management Upgrades	Prepare for rain events and reduce dependence on storm sewer	\$\$\$\$\$	Civil surveys, GIS mapping, rainfall projections	\$	•••	3	City of Long Beach	Prioritize sites with ponding and flooding issues on heavy storms; use bioremediation methods for stormwater management	Reducing Water Use
04B	Water Use Reduction Retrofit Package: Fixtures	Reduce potable water use in fixtures by 30% by 2030	\$\$\$\$	Fixture audit from FCA	\$\$	•••	4	State Water Resources Control Board	Convert all fixtures to EPA WaterSense low flow; collect old fixtures and save for salvage; conduct water audit using benchmarking analysis.	Reducing Water Use
04C	Water Use Reduction Retrofit Package: Landscaping	Reduce potable water use in landscaping by 100% by 2030	\$\$\$	Water meter data	\$\$\$	••••	2	State Water Resources Control Board	Coordinate with heat island reduction strategies; switch to purple pipe or rainwater catchment for irrigation using drip (surface or sub).	Reducing Water Use
04D	Brownfield Myco-remediation	Naturally clean up polluted sites	\$\$\$	Sites data from FCA	\$\$\$\$	••••	1	California State Water Resources Control Board; CalEPA; EPA Region 9	Identify brownfield sites and prioritize based on community need.	Reducing Toxins



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05: Mobility + Transportation

"LBUSD is a haven for low carbon arrivals, including transit, walkability and bikeability."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST <small>SEP</small> \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
05A	Electrify District Fleet by 2027	Eliminate gas powered District vehicles	\$\$\$	Existing fleet inventory; financial incentives for conversion	\$	••••	4	California Air Resources Board	Anticipating a national fleet conversion by 2035, replace cars based on existing age and current MPG ratings.	Emissions Reduction
05B	Safe Streets Network Pilot	Map safe walking/biking pathways to campuses	\$	Transit/bike/ped corridor mapping	\$\$\$	••	3	City of Long Beach; Southern California Association of Governments (SCAG); Long Beach Transit	Coordinate existing pedestrian network and map out continuous network; identify gaps in network and solicit community support.	Reducing Vehicle Emissions
05C	Virtual Learning Database	Develop hybrid-learning opportunities (e-books, virtual classrooms, digital resources to reduce the demand for transportation, saving fuel and time	\$\$\$	Transportation use trends, virtual learning resources, scheduling	\$\$	•••	5	TBD	Identify the schools with the poorest transportation connection, including those with lack of appropriate means to get to school	Emissions Reduction



06: Diversity, Equity + Inclusion

"LBUSD is a welcoming place for everyone to live, learn, and play."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST <small>SEP</small> \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
06A	Equitable Sustainability Projects Practices	Ensure that sustainability is upheld equitably districtwide.	\$	EUI data, student socio-economic data, benefit per student	\$\$\$	••••	1	City of Long Beach	Transparent, data-driven prioritization with overt stakeholder outreach	Equity



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07: Resilience + Adaptability

"The District is prepared for a resilient future and disruptions from stresses and shocks."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
07A	Wildfire Air Haven Pilot	Provide relief on heavy smoke days from wildfires	\$\$	HVAC audits by site	\$\$\$	•••	3	CA Air Resources Board	Map nodal network of sites based on even distribution of locations across District, and coordinate with room sizes and capacity.	Student Health
07B	Battery Backup Pilot	Maintain operations from outages	\$\$\$\$\$	EUI performance	\$\$	••••	2	SCE; PPA provider	In partnership, select sites with gaps in EUI to solar performance; use batteries to arbitrage selling power back to grid; coordinate with resiliency planning.	Renewable Energy
07C	District-wide resiliency disruption plan	Preparedness planning	\$	Operational plans and existing resiliency planning	\$\$\$\$\$	•••••	1	California Resiliency Alliance; ResilientCA; SoCalCOG	Follow RELI and ULI resiliency strategies and coordinate with community response	Commitment to Climate Change and Justice
07D	Community Micro-Grid	to reduce downtime from power outages	\$\$\$	EUI performance	\$\$\$\$	••••	3	SCE; PPA provider; International District Energy Association	Develop district energy plan around campus sites with high solar capacity that can be sold/shared with community.	Renewable Energy



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08: Energy + Emissions

"The District is carbon neutral and sources its energy from renewable technologies."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$ - \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
08A	100% Renewables / RECs by 2030	Meet Board Policy and make progress toward carbon neutrality	\$ - \$\$\$	EUI performance	\$\$\$\$\$	*****	1	SCE; PPA provider	Taking the 2021 and 2022 solar implementation, coordinate with five year roadmap to achieve 100% renewables for remaining sites. Coordinate with DER projects.	Renewable Energy
08B	Deep Energy Retrofits and Upgrades	Lower EUI of all buildings and prepare for NZE	\$\$\$\$\$	EUI performance	\$\$\$\$\$	*****	1	LBNL; PNNL; ACEEE	Top priority: using EUI data, identify top 20 sites in need of retrofitting or system upgrades; priority to non-HVAC schools and schools built before 1980 (majority).	Reducing Energy Use
08C	Net Zero Ready Schools Pilot	Lower EUI of all buildings and prepare for NZE	\$\$\$\$\$	EUI performance	\$\$\$\$\$	***	3	NREL; New Buildings Institute	Identify top ten sites for prep for NZE ready including deep energy retrofits and solar prep (conduits and metering).	Emissions Reduction
08D	Energy Dashboards	After installing appropriate metering, display all building and campus energy performance statistics via virtual and physical dashboards to educate and influence occupant behavior	\$\$\$	EUI performance	\$\$\$\$\$	***	2	TBD	Begin incorporating dashboards into the top 10 energy use buildings on campus and launch a campus-wide transparency program by 2030	Reducing Energy Use



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09: Waste + Circular Economy

"LBUSD is a zero-waste district that intelligently maximizes its investments through resource reuse and repurposing."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
09A	Circular Economy Pilot for District	Reduce waste by rethinking procurement and purchasing	\$	Waste Audit; Solid Waste & Recycling Report	\$\$\$	••••	2	Waste Management	Identify top 10 waste stream contents tied to District purchasing and locate reusable, compostable, or durable alternatives following Circular Economy principles. Create an Environmentally Preferable Purchasing Program.	Reducing Waste
09B	Food Waste & Composting Pilot	Reduce waste and provide compost for landscape and garden	\$\$	Waste Audit; Solid Waste & Recycling Report; Food Study	\$\$\$\$	•••	2	Waste Management; SERRF; Comply with SB 1383	Start composting pilot for all schools in partnership with WM. Prioritize sites with gardens run by students and sell surplus to local community of farmers market.	Reducing Waste
09C	Single use disposables elimination	Reduce waste and improve student health	\$	Waste Audit; Solid Waste & Recycling Report	\$\$\$\$	••	3	CalRecycle; StopWaste.org	Identify quantities based on past purchases and estimate need for new alternatives; look at washable or reusable alternatives or compostables.	Reducing Waste
09D	Bio-digester Installation	Install campus-level anaerobic digestion systems to capture all bio-waste (human, food, land maintenance, compostable cutlery, etc) to generate methane gas for energy use (cooking)	\$\$\$\$\$	Bio-waste assessment and audit, energy generation potential	\$\$\$\$\$	••••	3			Emissions Reduction



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10: Health + Wellbeing

"District students and staff are mentally and physically healthier than the regional average."

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST \$EP \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
10A	Infection Control Retrofit	Control virus transmission	\$\$\$\$	HVAC audits by site	\$\$\$\$	*****	1	Harvard T.H. Chan School of Public Health	Using ventilation, operable windows, and UV filtration in ducts to develop infection control methods for all sites.	Student Health
10B	Toxins elimination: Cleaning	Eliminate toxic cleaners indoors	\$	Cleaning protocols by site	\$\$\$\$	*****	1	USGBC LA Green Cleaning Program	Follow green cleaning guidelines from LEED and USGBC Los Angeles Chapter	Reducing Toxins
10C	Toxins elimination: Landscaping	Eliminate toxic pesticides and gas-powered mowing by 2030	\$	Site maintenance by site	\$\$	***	3	CA Dept of Pesticide Regulation; CalEPA; OEHHA	Use integrated pest management and natural methods instead of toxic pesticides.	Reducing Toxins
10D	Toxins elimination: Renovations	Eliminate known chemicals of concern in renovations	\$\$\$\$\$	Renovation guidelines	\$	****	3	StopWaste.org , USGBC LA	Follow LEED MR and IAQ credits and target upcoming renovations for incremental changes.	Student Health



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11: Food + Nutrition

“Half of all food consumed on schools grounds is organic and grown locally.”

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST COST _{SEP} \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
11A	Organic Gardening Pilot	Grow healthy food on campus	\$	Replace portables with open space for student led food program, tied to CSA	\$	*	3	Collective School Garden Network; Long Beach Grows; CA Dept of Food and Agriculture	Build on success from past pilots to expand district wide	Student Health
11B	Kitchen Electrification Pilot	Eliminate emissions from gas powered appliances	\$\$\$	Food Study; FCA equipment schedules	\$\$\$	****	1	CA Energy Commission; CPUC	Use equipment schedule to phase out gas powered kitchen equipment; coordinate with panel capacity for electrical power	Emissions Reduction



12: Beauty + Vibrancy

“The District is a beautiful place that makes me feel happy.”

#	PROJECT INVESTMENT	PURPOSE	PROJECTED COST COST _{SEP} \$\$\$\$\$	DATA BASELINE / INDICATORS	ROI slow to fast	IMPACT low to high	PRIORITY 1-5	POTENTIAL PARTNER	DECISION METHODOLOGY	ALIGNMENT TO BOARD POLICY
12A	Campus Greening & Student-Curated Public Art Projects	Improve community pride in schools and student self esteem through more vibrant campuses.	\$	Portable capacity reduction, proximity to parks and other community assets	\$	****	2	City of Long Beach; Community-Based Organizations	Data-driven prioritization	Equity

F Acknowledgements



Acknowledgements

CannonDesign and our partner firms Vinzant Group Inc, GIS LLC, and DMH Food Service Design extend sincere appreciation to the many students, parents, teachers, school administrators, civil servants, elected officials, and community members listed below who collectively contributed thousands of hours to the development of the FMP.



Acknowledgements (1 / 2)

Long Beach USD Board of Education

Juan Benitez, Ph.D.	President
Megan Kerr	Vice President
Douglas Otto	Member
Erik Miller	Member
Diana Craighead	Member

Superintendent

Dr. Jill Baker	Superintendent
----------------	----------------

Executive Steering Committee

Dr. Tiffany Brown	Deputy Superintendent
Yumi Takahashi	Chief Business and Financial Officer
James Suarez	Special Assistant to the Superintendent
Dr. Jay Camerino	Assistant Superintendent of High Schools
Brian Moskovitz	Assistant Superintendent of Elementary Schools
Dr. Chris Lund	Assistant Superintendent, Biddle School and K-8
Alan Reising	Business Services Administrator
David Miranda	Executive Director, Facilities, Development & Planning

District Planning Committee

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Dr. Tiffany Brown	Ed Samuels
Yumi Takahashi	Steve Rockenbach
Dr. Cecilia Santos-Camerino	David Zaid
Dr. Erin Simon	Ken Kato
Jose DelaMora	Dr. Kristi Kahl
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Renee Arkus	John Tamura
	Viva Mogi

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Steve Bui
Paul Garcia
Dave Van West
David Costa
Nicole Howton-Chiles
Pamela Weinstein
Danielle Van Divort
Gabriel Peredo
Janus King
Alejandro Alcala
Alan Reising
Eric Corey Freed
David Miranda
Tracy Nishihira
Bernice Ngo

Acknowledgements (2 / 2)

Stakeholder Advisory Committee

Diane Fogarty	Lindsey teacher
Marion Nguli	Lincoln teacher
Bari Stevens-Chapman	Jordan teacher
John Solomon	MacArthur teacher
Celeste Aguilar	Wilson student
Arturo Ochoa	Cabrillo student
Zofia Lok	CAMS student
Alan Castro	Millikan student
Elani Moss	Poly student
Danielle Jackson	Millikan student
Eleanor Nelson	Millikan student
Pallavy Noeun	Poly student
Daniel De La Cruz	CAMS student
Isabel Martinez	Poly student
Klaris Coutler	Cabrillo student
Kara Coulter	Cabrillo student
Raul Nario	Parent Connection, Jordan
Mike Ellis	Parent Connection, Stanford
Mariela Salgado	Community Advisory Committee, Edison
Zaina Dyfan	Coalition of Interested African American Parents, Grant

Jeannine Bedard	Parent Connection, Prisk
Alicia Coulter	Community Advisory Committee, Cabrillo
Susan Bates	Parent Connection, Cubberley
Brona Giddings	Parent, Chavez
Mike Gold	Long Beach Transit
Alvaro Rodriguez	YMCA of Greater Long Beach
Silvano Merlo	Courtyard Marriott Long Beach
Aida Gonzalez	Action Youth America
Sherlyn Beatty	City of Long Beach Parks & Recreation
Dina Andrews	The Guidance Center Long Beach
Christopher Covington	GSA Network
Evelyn Somoza	LBUSD Director of Public Information

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