Pomona Elementary School



1045 South Cascade. Montrose, CO 81401

Year Built: Library – 1920, Building B – 1961, Art Building 1978, Main Building 1992 & 2007

Site Area: 304,920 sf / 7 acres

Number of Permanent Buildings: 4

Number of Modular Buildings: -

Total Building Area: 44,300 sf

Permanent Buildings: 44,300 sf

Modular Buildings: -

Building Capacity: 426

Current Enrollment: 325

Projected Enrollment 2026: 357

Grades Served: k-5

CDE FCI Score: .55

Campus Summary: Pomona Elementary has seen several transformations since the original school building was constructed in 1961 and is spread out among four separate buildings. There is an older school house building on site that dates 1920, a free-standing metal building that dates 1961, a remnant

of the original 1961 building and the newer main building that was built in 1992 and renovated in 2007. The facility serves Kindergarten through 5th grade, and compared to other elementary schools has the worst FCI score (.55) in the district. Pomona is expected to see a slight increase in enrollment over the next 5 years of 32 students. The various buildings on site currently support its essential programs without the addition of modular buildings, but is not ideal from an operational and student circulation/safety perspective. The Pomona campus and school boundary is located in the urban center of Montrose, and shares a boundary line with the other four schools in the city.

The separate buildings are scattered around the school site with outdoor play areas in between. The play equipment is older/outdated and was identified as inadequate for 3rd-5th graders. There is a lot of pea gravel in the play areas that restricts ADA access, and an expressed need for shade. There is street parking on the south side of the site, and a small off-street parking lot on the west side where car pick-up and drop-off occurs. Parking is very limited for staff and visitors. There is a very small pull off for busses on the northwest corner of the site, remote from the main building, and is hard to supervise from the main school building or play areas. The north and east side of the site are fenced and share a property line with neighboring residential.

Many areas of the school need accessibility upgrades, from compliant signage to grab bars to better playground access. Downspouts and gutters are deteriorating and causing ice buildup. Snow guards should be added to sloped roofs over walks and entries. In some areas wood siding is failing and needs to be repaired or replace.

The reach in cooler and freezer both appear to be in good condition but show signs of wear and age as does the rest of the food service equipment. The serving area is in good condition, but the dish washing area is very small and cramped. A vegetable prep sink is needed to comply with Health Department requirements, and an exhaust hood and additional cooking equipment is needed to provide more efficient meal production.

The north portion of building A is served by packaged rooftop heating and cooling units which are past end of life and should be replaced. The south portion of Building A and gymnasium have hydronic heating fan coil units that will not need to be replaced for several more years. The gymnasium is served by four, hydronic heating fan coil units suspended from structure with exposed spiral seam ductwork. Building B is served by two packaged nearing end of life. The Art and Music building is served by two gas fired furnaces with split system DX coils and ground mounted condensers. The condensers are located on grade on the northwest side of the building. The furnaces are located in the attic. Age of the equipment is unknown.

Electrical panels in the media center and library are original to the time of construction and are close to end of life and should be replaced. Fluorescent lighting throughout the campus needs to be replaced with LED lighting



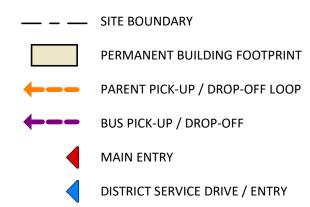
POMONA ELEMENTARY

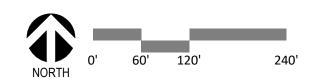
scale: 1" = 160'-0"

KEY PLAN LEGEND

- 1. POMONA ELEMENTARY SCHOOL BUIDLING
- 2. BUILDING "B"
- 3. BUILDING "C" PAW PRINT STUDIO
- 4. BUILDING "D" LIBRARY
- 5. PARENT PICK-UP / DROP-OFF
- 6. STAFF PARKING
- 7. PARENT PARKING
- 8. STAFF / PARENT PARKING
- 9. PLAY GROUND
- 10. PLAY FIELD
- 11. BUS LOOP

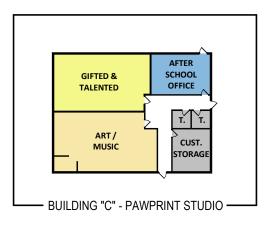
SITE PLAN LEGEND

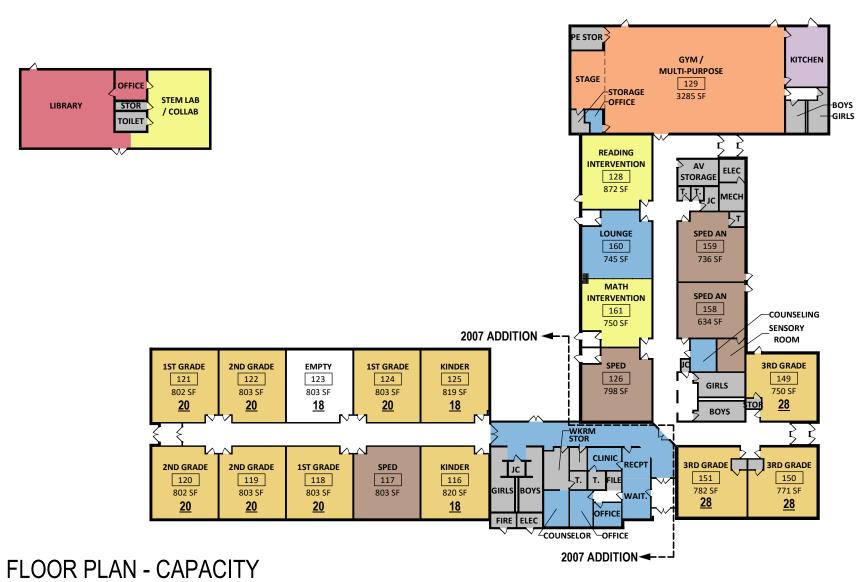


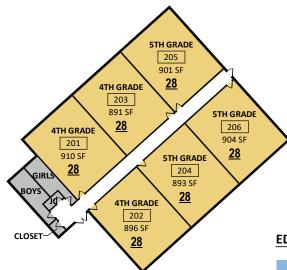












CLASSROOM CAPACITY DISTRICT CDE CDE CAPACITY SF/PUPIL CAPACITY 1ST GRADE 803 SF 1ST GRADE 121 802 SF 32 32 1ST GRADE 124 803 SF 20 1ST GRADE: 3 2408 SF 2ND GRADE 803 SF 119 20 32 2ND GRADE 120 802 SE 20 2ND GRADE 122 803 SF 2ND GRADE: 3 3RD GRADE 149 750 SF 150 3RD GRADE 771 SF 3RD GRADE 151 782 SF 3RD GRADE: 3 2303 SF 4TH GRADE 201 910 SF 4TH GRADE 202 896 SF 203 30 4TH GRADE 891 SF 4TH GRADE: 3 2697 SF 5TH GRADE 204 893 SF 28 5TH GRADE 205 901 SF 30 30 5TH GRADE 206 904 SF 5TH GRADE: 3 2698 SF 123 803 SF EMPTY: 1 803 SF KINDER 820 SF 18 22 38 125 22 KINDER: 2 1638 SF

Anticipated Enrollment

426

467

2022 325 Students2026 357 Students

14955 SF

EDUCATIONAL DEPARTMENT LEGEND

Administration
Art / Music

GRAND TOTAL: 18

Breakout Instruction / Intervention

Computer Lab / STEM

Dining/Commons
Instructional Areas

Library

PE/Athletics
Special Education

Support

PLAN LEGEND

Existing Walls
TEST FIT Program Blocks

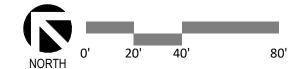
→ New Entry Points

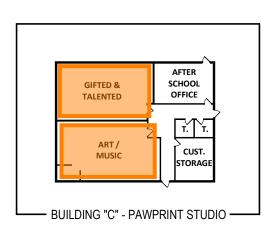
NOTE: Plans shown are for TEST FIT purposes only. All future improvements are subject to stakeholder input through a future planning process.

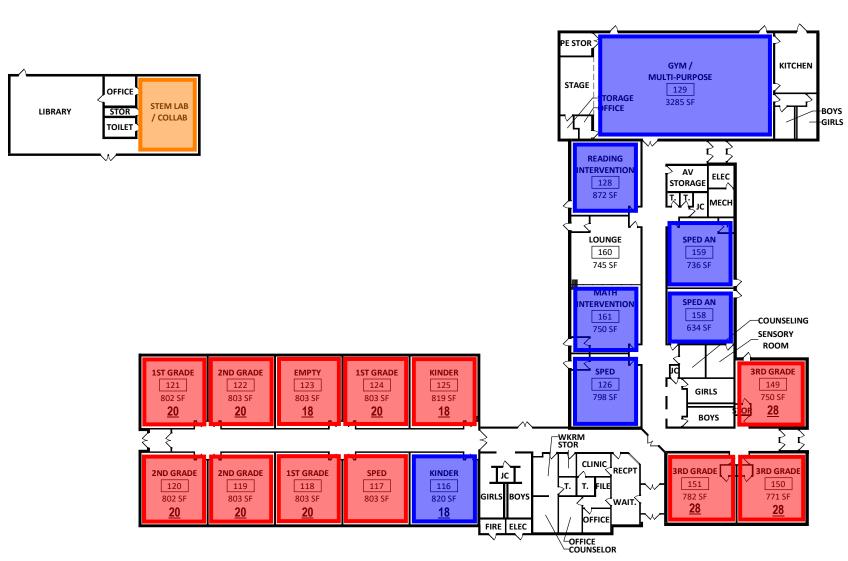












3 Track Classroom **Spaces Educational Support** Spaces **Educational Support** Spaces in Separate Classroom Buildings Total Educational 28 Spaces



203 891 SF

202 896 SF <u>28</u>

201 910 SF <u>28</u>

CLOSET-

206 904 SF

<u>28</u>

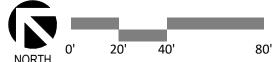
204 893 SF





MODULAR CLASSROOM USE ANALYSIS 1" = 40'-0"





3.2 Condition Analysis Matrix

Project: Montrose County School District
Facility: Pomona Elementary School (PES)

Date: 2/7/2022

Failure Timing Legend

1 The item will fail or has already failed

2 Replace within 5 Years3 Replace within 6-10 Years

4 Improvement Item

Date of last addition: NA

Year round start date:_____

(see scoring tab for details)

Contengency Amount	15.00%
Soft Cost:	20.00%

	Condition Matrix													
						FAIL			FINAL	REMAINING	COST (Direct Cost)	,	TOTAL COST	TOTAL COST
ITEM #	FACILITY	LOCATION	ITEM DESCRIPTION	CONSULTANT	ITEM CATEGORY	TIMING	CAT	CONSQ	RANK	LIFE (YEARS)	(no soft costs)	,		(w/ contengency)
1	PES	EXT	Replace sinking/uplifting side walks	RTA	Pavement System	1	1	1	1		\$ 35,680		\$ 49,238	\$ 55,393.20
2	PES	EXT	Correct/replace down spouts/gutters	RTA	Roofing System	11	1	3	3		\$ 15,000	\$ 17,250	\$ 20,700	
3	PES	EXT	Provide snow stops at critical areas	RTA	Roofing System	1	1	1	1		\$ 13,000	\$ 14,950		
4	PES	EXT	Update playground surface	RTA	Pavement System	1	7	4	28		\$ 100,000	\$ 115,000	\$ 138,000	
5	PES	INT	Remove bubblers	RTA	Code/ADA	1	3	4	12		\$ 4,250	\$ 4,888	\$ 5,865	
6	PES	INT	Provide sprinkler system for rest of the building	RTA	Code/ADA	11	3	4	12		\$ 151,260	\$ 173,949		\$ 234,831.15
7	PES	INT	Provide age appropriate sinks and casework (10 rooms)	RTA	Furniture	2	6	6	72		\$ 160,000	\$ 184,000	\$ 220,800	
8	PES	INT	Provide ADA compliant signage	RTA	Code/ADA	1	5	4	20		\$ 7,000	\$ 8,050	\$ 9,660	
9	PES	INT	Provide ADA compliant sinks (too deep)	RTA	Code/ADA	1	5	4	20		\$ 38,400	\$ 44,160	\$ 52,992	
10	PES	INT	Provide vertical grab bars	RTA	Code/ADA	1	5	4	20		\$ 3,000	\$ 3,450	\$ 4,140	
11	PES	INT	Provide FRP at floor sinks	RTA	Other	3	6	6	108		\$ 1,500	\$ 1,725	\$ 2,070	
12	PES	INT	Provide Gypsum board ceiling in janitor room (wood joint above) 116	RTA	Code/ADA	11	3	4	12		\$ 1,600	\$ 1,840	\$ 2,208	
13	PES	INT	Provide CRAC unit in MDF/IDF rooms	RTA	HVAC System	2	6	6	72		\$ 14,000	\$ 16,100	\$ 19,320	
14	PES	INT	Corridor 101- walls not to deck, doors, and frames not rated	RTA	Code/ADA	11	3	4	12		\$ 9,488	7	\$ 13,093	
15	PES	INT	Provide lighting controls	RTA	Lighting System	2	6	6	72		\$ 100,990	\$ 116,139		
16	PES	INT	Provide privacy curtains in nurse's room	RTA	Code/ADA	1	3	4	12		\$ 1,500	\$ 1,725	\$ 2,070	
17	PES	INT	Provide ADA compliant urinals	RTA	Code/ADA	1	5	4	20		\$ 7,200	\$ 8,280	\$ 9,936	
18	PES	INT	Provide ADA access to stage	RTA	Code/ADA	11	5	4	20		\$ 10,000	\$ 11,500	\$ 13,800	
19	PES	INT	Replace carpeting	RTA	Flooring System	11	6	6	36		\$ 118,487	\$ 136,260	\$ 163,512	
20	PES	EXT	Replace deteriorated wood siding	RTA	Other	11	2	3	6		\$ 27,600	\$ 31,740	\$ 38,088	
21	PES	EXT	Replace wood single pane windows	RTA	Window System	11	7	3	21		\$ 15,120	\$ 17,388	\$ 20,866	
22	PES	EXT	Replace rotting eaves	RTA	Roofing System	2	2	3	12		\$ 6,600	\$ 7,590	\$ 9,108	
23	PES	EXT	Replace roof	RTA	Roofing System	2	2	2	8		\$ 26,400	\$ 30,360	\$ 36,432	
24	PES	EXT	Provide ADA access to picnic and play area	RTA	Code/ADA	1	5	4	20		\$ 4,500	\$ 5,175	\$ 6,210	
25	PES	INT	Provide ADA restrooms	RTA	Code/ADA	1	5	4	20		\$ 38,400	\$ 44,160	\$ 52,992	\$ 59,616.00
26	PES	INT	Replace toilet partitions	RTA	Other	2	4	6	48		\$ 8,500	\$ 9,775	\$ 11,730	\$ 13,196.25
27	PES	INT	Update light fixtures	RTA	Lighting System	2	4	5	40		\$ -	\$ -	\$ -	\$ -
28	PES	INT	Replace casework	RTA	Millwork System	2	4	5	40		\$ 48,000	\$ 55,200	\$ 66,240	\$ 74,520.00
29	PES	EXT	Repair settled concrete Sidewalk	RTA	Pavement System	1	1	1	1			\$ -	\$ -	\$ -
30	PES	EXT	Replace down spouts that are deteriorating and causing an ice hazard	RTA	Roofing System	1	1	1	1		\$ 4,800	\$ 5,520	\$ 6,624	\$ 7,452.00
31	PES	EXT	Provide snow guards on roof at exterior doors	RTA	Roofing System	1	1	1	1		\$ 6,000	\$ 6,900	\$ 8,280	
32	PES	EXT	Replace concrete is spalling due to freeze thaw and ice melt material	RTA	Pavement System	1	7	6	42		\$ 11,264	\$ 12,954	\$ 15,544	
33	PES	EXT	Replace deteriorated and leaking gutters	RTA	Roofing System	1	2	3	6		\$ 2,112	\$ 2,429	\$ 2,915	
34	PES	EXT	Replace roof system	RTA	Roofing System	2	2	3	12		\$ 102,750	\$ 118,163	\$ 141,795	
35	PES	EXT	Exterior doors have AC units in cages preventing the sidewalk from being used	RTA	HVAC System	1	4	5	20		\$ 1,920	\$ 2,208	\$ 2,650	\$ 2,980.80
36	PES	EXT	Older MTL building	RTA	Other	1	4	5	20			\$ -		
37	PES	INT	Replace non-insulated overhead door	RTA	Door System	1	4	5	20		\$ 15,000	\$ 17,250	\$ 20,700	\$ 23,287.50
38	PES	INT	Roof leak in room 302	RTA	Roofing System	1	2	3	6		\$ 1,000	\$ 1,150	\$ 1,380	\$ 1,552.50
39	PES	INT	Restrooms do not have ADA stall	RTA	Code/ADA	1	5	4	20		\$ 5,000		\$ 6,900	
40	PES	INT	Faucets are non-compliant	RTA	Code/ADA	1	5	4	20		\$ -	\$ -	\$ -	\$ -
41	PES	INT	Toilet partitions are outdated	RTA	Other	2	6	5	60		\$ 5,100	\$ 5,865	\$ 7,038	\$ 7,917.75
42	PES	INT	Replace light fixtures throughout building	RTA	Lighting System	2	6	5	60		\$ -	\$ -	\$ -	\$ -
43	PES	INT	Replace cabinets and casework	RTA	Millwork System	2	6	5	60		\$ 36,000	\$ 41,400	\$ 49,680	\$ 55,890.00
44	PES	INT	Replace galvanized waste line for building	RTA	Other	3	6	2	36		\$ 71,789			
45			Boiler plant is located on the south side of this building. Plant was	13173	2				- 30		71,700	02,001	- 00,000	÷, 102.72
	PES	Building A	installed by the McKinstry Performance contract in 2013. Boilers are Hydrotherm KN-6. No upgrades anticipated.	Bighorn	HVAC System	4	11	2	88		\$ 209,000	\$ 240,350	\$ 288,420	\$ 324,472.50
46	PES	Building A	The north portion of Building A has a wet fire sprinkler system with the water riser located in a room on the west side of this building. No upgrades anticipated.	Bighorn	Other	4	11	8	352			\$ -	\$ -	\$ -

4-7			The month months of Delliton Albana CO. H. J. C.							1			
47	PES	Building A	The north portion of Building A has a 30 gallon, electric water heater. Bradford White. Age is uncertain. No upgrades anticipated.	Bighorn	Potable Water System	3	11	7	231	 \$ 9,200	\$ 10,580	\$ 12,696	\$ 14,283.0
48	PES	Building A	The north portion of Building A has a domestic water entry with backflow preventer and PRV station. No upgrades anticipated.	Bighorn	Potable Water System	4	11	7	308	\$ 8,740	\$ 10,051	\$ 12,061	\$ 13,568.8
49	PES	Building A	The south portion of Building A has a domestic water entry with backflow preventer and PRV station located in the boiler room. No upgrades anticipated.	Bighorn	Potable Water System	4	11	7	308	\$ 17,100	\$ 19,665	\$ 23,598	\$ 26,547.7
50	PES	Building A	The south portion of Building A has a 55 gallon, gas water heater. Ruud. Age probably dates to 2013. No upgrades anticipated.	Bighorn	Potable Water System	3	11	7	231	\$ 10,800	\$ 12,420	\$ 14,904	\$ 16,767.0
51	PES	Building A	The south portion of Building A is served by heating/cooling unit ventilators in the 2013 McKinstry project area and three heating only unit ventilators in the SW three classrooms. There are (9) total UV's. Three of the units also have DX cooling and condensing units. Units would appear to have 6-10 years remaining. No upgrades anticipated.	Bighorn	HVAC System	3	11	3	99	\$ 362,400	\$ 416,760	\$ 500,112	\$ 562,626.0
52	PES	Building A	The north portion of building A is served by six (6) packaged rooftop heating and cooling units. Lennox units. One 6 ton, three 7.5 ton, two 8.5 ton units. These units probably date to 2004. They are past end of life and should be replaced.	Bighorn	HVAC System	2	6	3	36	\$ 253,000	\$ 290,950	\$ 349,140	\$ 392,782.5
53	PES	Building A	Building automation system (BAS) control system and panels are located in the IT room. Trane SC and MP controllers. This system was updated in 2013 during the McKinstry Performance Contract. These controllers are part of the District's Ensemble BAS. These panels/software should be updated with the latest Trane SC system.	Bighorn	HVAC System	2	6	7	84	\$ 5,000	\$ 5,750	\$ 6,900	\$ 7,762.5
54	PES	Building A	The gymnasium is served by four, hydronic heating fan coil units suspended from structure with exposed spiral seam ductwork. Age of units is unknown but they may date to 2007. Units would have an expected lifetime of 20 years. No upgrades anticipated.	Bighorn	HVAC System	3	6	3	54	\$ 49,600	\$ 57,040	\$ 68,448	\$ 77,004.0
55	PES	Building A	The south portion is also served by 6 hydronic heating fan coil unit that are suspended above the ceiling and ducted to the zones. Age of the units is unknown but may date to 2007. Units would have an expected lifetime of 20 years. No upgrades anticipated.	Bighorn	HVAC System	3	6	3	54	\$ 74,400	\$ 85,560	\$ 102,672	\$ 115,506.0
56	PES	Building B	This building is served by two packaged Lennox units (one per side) that are 7.5 ton nominal cooling with gas heating. Age unknown but may date to 2007. Units are nearing end of life and would have an expected lifetime of 15 years.	Bighorn	HVAC System	2	6	3	36	\$ 75,000	\$ 86,250	\$ 103,500	\$ 116,437.5
57	PES	Media Center/Libr ary	This building is served by two gas fired furnaces with split system DX coils and ground mounted condensers (2, 2-ton units). The condensers are located on grade on the southeast side of the building. The furnaces are located in the attic. Age of the equipment is unknown. Units should be replaced.	Bighorn	HVAC System	2	6	3	36	\$ 28,000	\$ 32,200	\$ 38,640	\$ 43,470.0
58	PES	Media Center/Libr ary	Plumbing fixtures are consistent with age and are functional at this time. Age is unknown. No upgrades anticipated.	Bighorn	Other	3	11	7	231	\$ 7,680	\$ 8,832	\$ 10,598	\$ 11,923.2
59	PES	Media	Electric water heater is located on shelf above the mop sink. 10 gallon, 2000 watt unit. Age unknown.	Bighorn	Potable Water System	3	11	7	231	\$ 1,500	\$ 1,725	\$ 2,070	\$ 2,328.7
60	PES	Art/Music Building	This building is served by two gas fired furnaces with split system DX coils and ground mounted condensers. The condensers are located on grade on the northwest side of the building. The furnaces are located in the attic. Age of the equipment is unknown.	Bighorn	HVAC System	2	6	7	84	\$ 28,000	\$ 32,200	\$ 38,640	\$ 43,470.0
61	PES	Art/Music Building	Electric water heater is located in the utility/storage room. 30 gallon, 4500 watt unit. Installed in 2019.	Bighorn	Potable Water System	3	11	7	231	\$ 1,050	\$ 1,208	\$ 1,449	\$ 1,630.1
62	PES	Art/Music Building		Bighorn	Other	3	11	7	231	\$ 14,400	\$ 16,560	\$ 19,872	\$ 22,356.0
63	PES	All	The corridors and classrooms have fluorescent lighting and dual level switching. During the walk about it was noticed that several classrooms have covering over the lenses. I asked about the reasoning and was informed that several students were affected by the strobing effect of fluorescent lights and the coverings helped. If LED lighting was installed throughout the strobing would be eliminated and in addition 90% of the LED lights come with the ability to be dimmable. Installing LED lighting	Bighorn	Lighting System	2	4	4	32	\$ 360,552	\$ 414,635	\$ 497,562	\$ 559,756.9
			would in addition to helping with the ill effects of fluorescent lights would also help with the energy usage as well. If the lighting fixtures are replaced the lighting control system needs to be considered. If the lighting fixtures are replaced the lighting control system needs to be replaced also.										

64			The utility transformer has been set up to do primary metering (that is the meter and housing are located at the transformer). The main service for				11	2							
	PES	Building A	the A building is 1000 Amps 208 volt 3 phase. This exterior service then feeds panels "PP1", "PP2", "PPA", "Media Center", Library", "LP1". The service was installed in February, 1993.	Bighorn	Electrical Power System	4			88	\$	72,283	\$ 83,126	\$ 99,75	1 \$	112,219.67
65	PES	All	Panels in the older buildings (media center and library) are original to the time of construction and are close to end of life and should be replaced.	Bighorn	Electrical Power System	3	7	2	42	\$	30,000	\$ 34,500	\$ 41,40	\$	46,575.00
66	OGES	Building Fire Alarm System	is an addressable system that uses remote power supplies and monitor modules to report.	Bighorn	Fire Alarm System	3	6	4	72	\$	40,396	\$ 46,455	\$ 55,74	5 \$	62,714.79
67	PES	Front	Street side Parking at Front of Building (6,000 sqft)	Delmont	Pavement System	2	6	6	72	\$	60,000	\$ 69,000	\$ 82,80	\$	93,150.00
68	PES	Front	Street side Parking at Front of Building (4,500 sqft)	Delmont	Concrete System	3	6	6	108	\$	36,000	\$ 41,400	\$ 49,68) \$	55,890.00
69	PES	North	Gravel Parking Lot for Staff (23,000 sqft)	Delmont	Other	2	7	6	84	\$	34,500	\$ 39,675	\$ 47,61) \$	53,561.25
70	PES	Kitchen	Reach in cooler and freezer appear to be in good condition, but show signs of wear and age. No obvious issues observed or relayed.	Other	Other	3	9	7	189	\$	40,000	\$ 46,000	\$ 55,20	\$	62,100.00
71	PES	Kitchen	The dish washing area includes a dish machine, disposal and spray rinse are included in the equipment. Dish machine showing signs of wear and age. No obvious issues observed or relayed.	Other	Other	4	9	7	252	\$	20,000	\$ 23,000	\$ 27,60	\$	31,050.00
72	PES	Kitchen	Recommend adding a vegetable prep sink.	Other	Other	1	3	1	3	\$	2,500	\$ 2,875	\$ 3,45) \$	3,881.25
73	PES	Kitchen	Serving line, no obvious issues observed or relayed	Other	Other	4	9	8	288	\$	20,000	\$ 23,000	\$ 27,60) \$	31,050.00
74	PES	Kitchen	Recommend adding exhaust hood and cooking equipment to make the kitchen more functional.	Other	Other	4	9	8	288	\$	60,000				93,150.00
75	PES		Security Upgrades Scheduled for 2022	Other	Security	1	1	1	1	\$	185,400	\$ 213,210	\$ 255,85	2 \$	287,833.50

Condition	Totals Totals Totals			Grand Totals
0-25	\$ 742,480	\$ 853,852	\$ 1,024,622	\$ 1,152,700
26-50	\$ 1,104,592	\$ 1,270,281	\$ 1,524,337	\$ 1,714,879
51-100	\$ 1,251,669	\$ 1,439,420	\$ 1,727,303	\$ 1,943,216
> 100	\$ 247,970	\$ 285,166	\$ 342,199	\$ 384,973
Totals ->	\$ 3,346,711	\$ 3,848,718	\$ 4,618,461	\$ 5,195,769

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Condition Photo Documentation

Pomona Elementary School



Replace sinking/uplifting side walks



Provide snow stops at critcal areas



Repair settled concrete side walk



Replace downspouts that are deteriorating and causing an ice hazard



Provide snow guards on roof at exterior doors



Condition Photo Documentation, continued

Pomona Elementary School



Replace deteriorated wood siding



Roof leak in 302



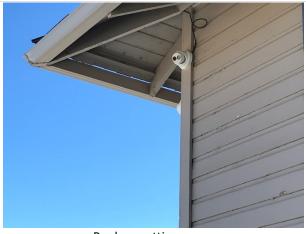
Replace roof



Corridor 101 – walls not to doc, doors, and frames not fire rated



Provide privacy curtains in nurse's room



Replace rotting eaves