



Portland Public Schools District Assessments

Portland Public Schools (PPS)
501 N Dixon St Portland, OR 97227

2024 PPS Seismic Assessments All Schools

Version 1.0
5/15/2024

INTRODUCTION

Holmes was engaged by Portland Public Schools (PPS) in 2023 to update the seismic assessment information for each school campus within the district to aid in planning of future projects and bond funding. The assessment included 80 total sites and only buildings that have not been the target of an in progress retrofit or a recently completed retrofit. Unreinforced Masonry (URM) buildings were broken out due to their relatively high risk in order to be prioritized, which includes 23 sites on the provided URM List and 6 potential additional sites. The data provided by Holmes includes seismic vulnerabilities, estimated construction costs, and incorporating district provided information such as Title 1 designated schools. This report provides a high-level information on each target building as well as a portfolio-level summary.

PROJECT OVERVIEW

ASSESSMENT DESCRIPTION

The following steps were performed for each school building:

1. Review available existing building documentation.
2. Develop a Building Year Plan based on available drawings and/or historic aerial views. Identify unreinforced masonry (URM) construction on Plan and approximate square footage of URM areas, where occurs.
3. Develop a list of potential deficiencies. The deficiencies list is informed by the ASCE 41 Tier 1 structural checklists for each building type, but are not entirely comprehensive of the Tier 1 methodology.
4. Perform a site walk to confirm building configurations and identify visible deficiencies and site characteristics.
5. Compile information and develop an engineer's rough order of magnitude (ROM) pricing. Pricing is summarized by URM-only retrofit as well as the complete ROM retrofit for all buildings on the campus.

The assessments utilized FEMA Rapid Visual Screening, ASCE 41 Tier 1 checklists, and Holmes' experience with similar building types as a guideline to identify deficiencies. However, these assessments were not a full ASCE 41 Tier 1 assessment and all deficiencies require further analysis and verification to follow the ASCE 41 methodology. Identification of non-structural deficiencies is outside the scope of this study, however non-structural deficiencies which may pose a life-safety hazard (i.e. parapets, masonry chimneys, interior unreinforced masonry walls) were noted in our assessments. See diagram below for more information on typical levels of seismic assessments compared to the level of assessment completed for this project.

Types of Common Seismic Assessments			Typical Use	
Scope of This Study	LEVEL OF DETAIL (LOW TO HIGH)	FEMA Rapid Visual Screening	Rapid assessment of global seismic vulnerabilities based on visual inspection; provides single score to inform further analysis; requires further evaluation by a design professional to confirm outcomes.	Early stages of pre-planning and vulnerability analysis. Informs prioritization and investment of more effort.
		ASCE 41 Tier 1	Building evaluation that focusses on identifying potential deficiencies in existing buildings based on the performance of similar buildings in past earthquakes. The systematic procedure evaluates the entire building in a rigorous manner using checklists and select calculations.	Used to identify primary structural deficiencies and categorize building types. Useful in determining ROM pricing based on retrofits of similar building types.
		ASCE 41 Tier 2	Deficiency-based retrofit design intended for confirmation of Tier 1 results and voluntary retrofits. First step that does building specific analysis.	Often used for Schematic Retrofit Design, SRGP Applications, or retrofit of simple buildings.
		ASCE 41 Tier 3	Complete structural analysis and retrofit design. Approach required for all building code mandated retrofits.	To be performed during a complete seismic upgrade of a building.

We have assessed and compiled the results for all PPS schools, excluding the following

- Schools currently under design through Modernizations & New Construction
- Schools with complete or near complete recent seismic upgrade
- Schools recently constructed. Individual buildings that comply with the ASCE 41 Chapter 3 design years for Benchmark Buildings are also omitted from the assessment and retrofit costs, and are noted as such in the summary.

PRICING NOTES

Pricing has been calculated using a ROM (rough order of magnitude) \$/SF cost for each building part. The costs are an engineer's estimate based on Holmes' experience with similar projects and only intended for initial budgeting purposes. All costs should be verified by an experience cost estimator. URM-Only pricing provided is intended to give an approximate cost estimate to perform a localized URM-Only retrofit. This price is accompanied by the approximate cost to retrofit all buildings on the campus. The square footage noted is an approximate boundary for each building part to be retrofitted, and has been scaled off existing documentation available.

The cost is reflective of the following:

- Estimates are based on representative cost estimates provided in the last year (+/-) from schematic design retrofit pricing of similar buildings and/or building parts and is a ROUGH order of magnitude price. Appropriate contingencies and escalation should be applied.
- URM-Only retrofits are for seismic upgrades within the URM area indicated in the Building Year Plan. While the retrofit will be considered partial (localized only) it is intended to mitigate URM deficiencies as well as align with the scope associated with a full seismic upgrade for that building part. For example, in addition to bracing of URM walls in the URM-Area-Only, the cost would include items such as re-roof, secondary gravity support, and foundation strengthening that would otherwise be required as part of a complete seismic upgrade, to avoid remobilization and demolition in the URM area.
- Estimates include consideration of demolition and repair of architectural finishes as required to complete the structural work, per the representative cost estimates provided.
- Estimates include consideration for MEP and architectural upgrades required (per the representative cost estimates provided) as part of the seismic upgrade, in order to mitigate remobilization in this area in the event of a future complete seismic upgrade, though these items have not been assessed as part of this scope.
- Soft costs such as engineering, construction management, and relocation are excluded.

ACCESSING & INTERPRETING THE RESULTS

Please note the following Tabs:

- Single School Summary: Select a school from the drop-down list to filter by school. This will populate the building year plan and view the assessment summary of a single school.
- All Schools Budget Summary: Table of ROM retrofit costs for all PPS campuses (URM-only and full campus)
- Seismic Data All PPS: Compiled list of all assessments performed to date and related project data

See below for definitions of headers in the spreadsheets.

Name	Definition
Building Year Plan	Overall plan (mapped view) of the campus with hatched Areas to distinguish between construction era and types.
Building Part	Building Part (i.e. A1, A2, B, etc.). The campuses are divided by Building Parts as defined by the Building Year Plan. Letter designations are assigned for buildings of similar year and construction type, and the secondary number is used to distinguish between multiple buildings/areas of similar construction type.
Year Built	Approximate year per existing drawings. Building year estimates were attained from historic aerial views where drawings are not available.
URM (SF)	Unreinforced Masonry (URM) square footage (SF) within the Area noted in the Building Year Plan. Relates to the general square footage of URM and is not necessarily the total area of the building, but rather the area assumed to be retrofitted should a partial retrofit be undertaken. See also building year plan; approximate URM areas are designated by red highlights.
ROM \$/SF	Rough Order of Magnitude (ROM) pricing in dollars per square foot of floor area. See above for more information on ROM pricing inclusions and exclusions. This value is adjusted for each Building Part and is multiplied by the gross square footage of that part on the Seismic Data All PPS tab. The resulting value is shown on the Single School Summary.
ROM URM Only Retrofit	Total ROM cost of URM only retrofit in these areas. See above for inclusions and exclusions in the ROM estimate. The URM only retrofit is based on the URM (SF) as defined above.
ROM Total Retrofit	Total ROM cost of retrofit for all buildings on the campus, including URM areas/buildings where occurs. See above for more information on ROM pricing inclusions and exclusions.
No. of Stories	Number of occupied stories, does not include roof level. See comments where stories are partial.
Basement	Designated as none, full, partial, or crawl space
Penthouse	Above roof penthouse structure noted where occurs
Drawings Referenced	<i>Approximately Complete Existing Drawings:</i> drawings for all or most Building Parts are available and have detailing sufficient to identify primary building materials and typical details. <i>Insufficient Existing Drawings:</i> Drawings are incomplete or lack information critical to the assessment. <i>None:</i> No drawings available. Building information attained from rapid visual observations during the site walk and assessments are primarily made based on buildings of similar year/type.
Structural Horizontal Gravity System(s)	Describes structural floor and roof elements within the Building Part's roof and suspended floors (where applicable), such as sheathing, slabs, beams, joists, etc. that support gravity loads.
Structural Vertical Gravity System(s)	Describes structural elements within the Building Part such as columns and walls that support gravity loads.
Lateral System (ASCE Designation)	ASCE 41 Lateral Force Designation. Each typical designation has a unique deficiency checklist. It is common for older buildings to have multiple designations within a single area. <i>Example: C1a</i>
Lateral System (Description)	Description of ASCE 41 designation. <i>Example: C1a refers to Concrete Reinforced Shear Walls w/ Flexible Diaphragms</i>
Likely Deficiencies	List of likely seismic deficiencies. See above for additional information on how deficiencies are identified.
Deficiency Notes	Clarification or additional notes on seismic deficiencies. These notes often align with the likely deficiency and should be read from the previous column left-to-right.
Additional Notes	To note any unique items, unclear existing conditions, or identify localized URM. <i>Example: URM in Boiler Room only</i>

		Abernethy
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$450,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,367,500	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Abernethy

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1924	1800	\$450,000	\$11,525,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Wood Trusses	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Misc. Plan Irregularity Masonry Partition Walls Concrete Parapets exceed 2.5:1 URM Chimneys Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Deflection Compatibility Diaphragm Reinforcement at Openings URM Bearing Wall Likely	End of wings soft HCT walls Rear wall of gym, End of wing walls	recommend monitoring possible settlement at SW corner recommend further investigation of cracking/damage observed in 1st floor central corridor & adjacent rooms recommend verifying construction of rear (NW) wall of gym

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1955	0	\$0	\$360,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Conc. CIP Walls, Steel Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Misc. Plan Irregularity Seismic Separation (< 1%) Concrete Parapets exceed 2.5:1 Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Deflection Compatibility Discontinuous Cross Ties Straight Sheathing (2:1, 24')	porch roof lateral support Adjacent & untied to Bldg. A	recommend monitoring possible settlement at NE classroom
Bldg. C	1960	0	\$0	\$142,500	1	None	No	None	Wood Plywood/OSB, Steel Truss, Steel Beams	CFS Walls	CFS1	Sheathed Shear Wall System	Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Sill-Foundation Connections (6 ft) Roof Chord Discontinuity		Unit appears to be built directly on SOG
Bldg. D	1970	0	\$0	\$250,000	1	None	No	None	Wood Plywood/OSB, Wood Trusses, Wood Beams	Timber Frame	Non-compliant	Cantilevered Wood Posts	Post Capacity Foundation Capacity		

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. E	1987	0	\$0	\$15,000	1	None	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Wood Ledgers loaded across grain		
Bldg. F	1997	0	\$0	\$75,000	1	None	No	None	Wood Plywood/OSB, Wood Trusses, Wood Beams	Timber Frame	Non-compliant	Cantilevered Wood Posts	Post Capacity Foundation Capacity		

Ainsworth		
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$7,865,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$10,120,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Ainsworth

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1912	26000	\$6,500,000	\$6,500,000	2	Full	No	Insufficient Original Documents	Concrete Pan-Joists	Unreinforced Brick Walls	URMa	Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Reentrant Corners Inadequate In-Plane Shear Beams, Girders, or Trusses bear on URM wall/pilaster No Diaphragm-Wall Connection Masonry Partition Walls	At bottom of URM Some locations improved in 2004 In N/S direction 2004 Retrofit of E/W direction only added concrete wall piers Retrofit at the roof 2015, not at second floor	

2024 Assessment Summary: Ainsworth

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1927	3150	\$945,000	\$945,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Steel Beams	Unreinforced Brick Walls	Wood T+G Plank, Steel Beams	Unreinforced Brick Walls	Inadequate Foundation Ties Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear	At bottom of URM Parapets and roof to wall connections retrofit 2004	
Bldg. C	2015	0	\$0	\$0	2	None	No	Approximately Complete Original Documents	Steel Beams	Reinforced CMU Walls, Steel Columns	Reinforced Masonry Bearing Walls (Stiff Diaphragms)	Reinforced Masonry Bearing Walls (Stiff Diaphragms)		Benchmark building	
Bldg. D	1935 +/-	0	\$0	\$135,000	1	None	No	None	Wood Trusses	Timber Frame	Wood Trusses	Timber Frame		Poles likely to have deterioration at or below grade	

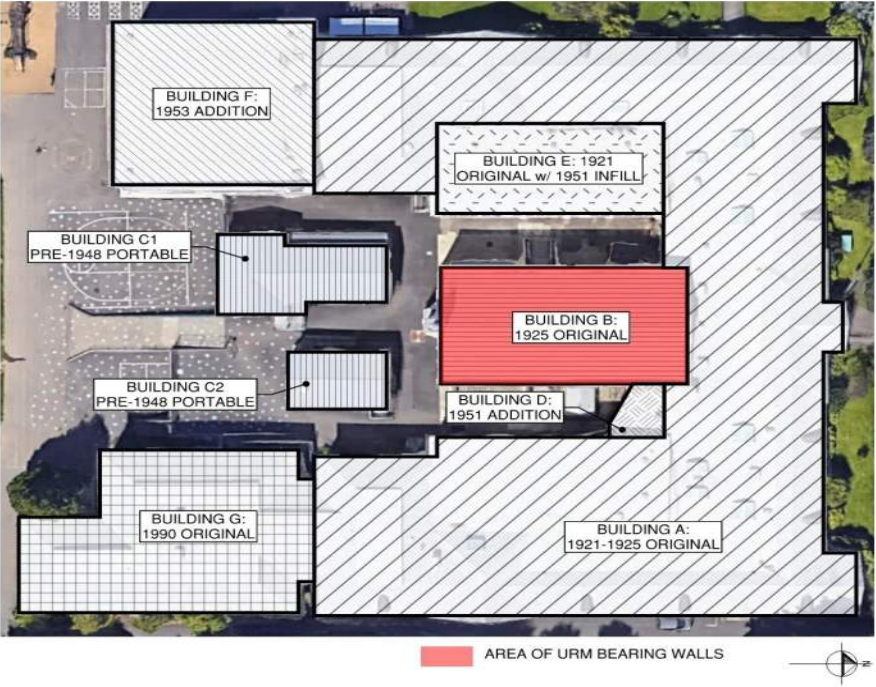
2024 Assessment Summary: Ainsworth															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. E	Pre-1950	0	\$0	\$345,000	1	None	No	None	Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Diagonal Sheathing (4:1, 40')	Wall sheathing unknown	
Bldg. F	1952	0	\$0	\$810,000	1	None	No	Partial Set of Original Documents	Wood Beams	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Diagonal Sheathing (4:1, 40')	Interior is let-in bracing	
Bldg. G	1953	2800	\$420,000	\$420,000	1	None	No	Partial Set of Original Documents	Wood Beams	Timber Frame, Wood Framed Walls, Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Beams, Girders, or Trusses bear on URM wall/pilaster		Wall anchorage retrofit in 2015 Parapets braced in 2015

2024 Assessment Summary: Ainsworth

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. H	1962	0	\$0	\$830,000	1	Crawlspace	No	None	Wood Truss-Joists, Wood Joists	Wood Framed Walls, Steel Columns	W2, S2a	Wood frame over steel braced frame	Sloping Site (full story difference across site) Misc. Moderate Vertical Irregularity Inadequate In-Plane Shear Inadequate Brace Capacity Non-compact Braces Slender Braces Inadequate brace connections	Shear wall system atop braced frame Wall sheathing unknown	
Bldg. I	1962	0	\$0	\$135,000	1	Crawlspace	No	None	Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear	Unknown sheathing	

		Alameda
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,400,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$9,437,500	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Alameda

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1921	0	\$0	\$4,175,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Battens, Wood Joists, Wood Beams, Wood Straight/Diag Sheathing	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	interior walls not cont. to foundation	Constructed in 1921 & 1925

2024 Assessment Summary: Alameda

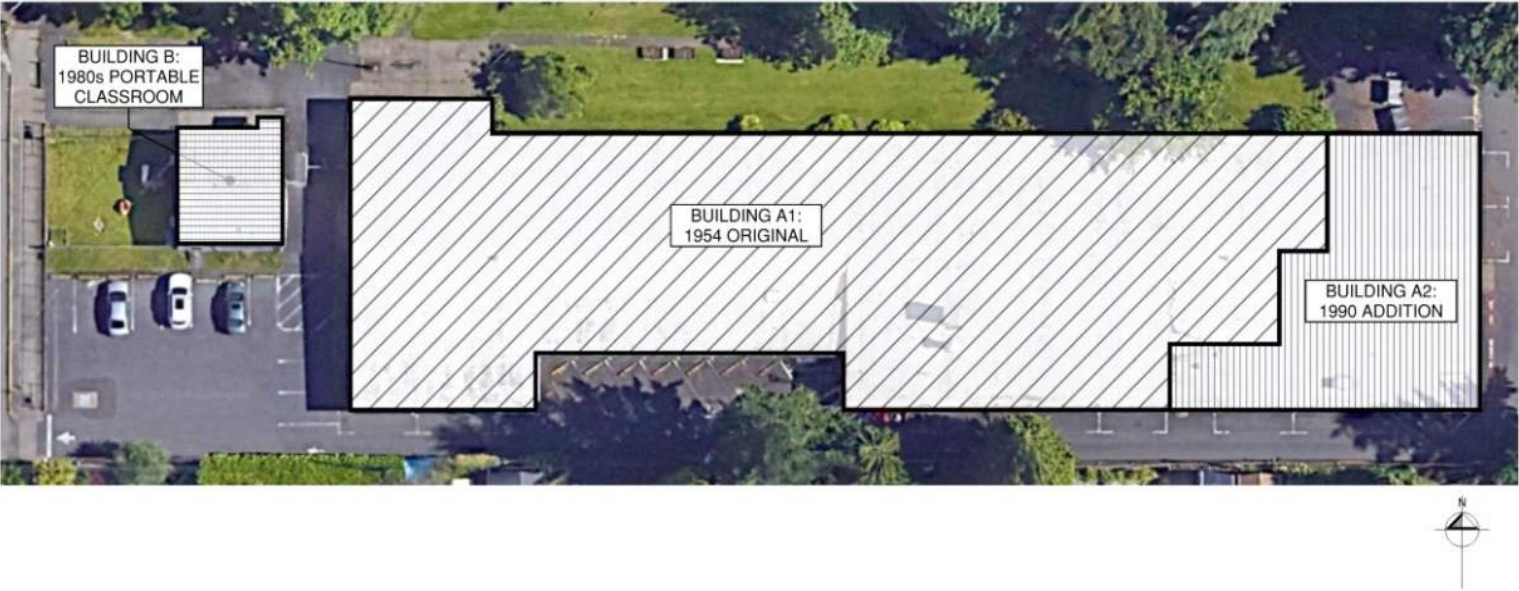
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1925	7000	\$1,400,000	\$1,400,000	1	Partial	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Joists, Wood Trusses, Wood Straight/Diag Sheathing, Concrete 1-way Slab, Concrete Beams	Concrete Columns, Unreinforced Brick Walls, Timber Frame	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) URM Parapets exceed 1.5:1 URM Chimneys Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Unbraced Gable Walls No Diaphragm-Wall Connection No Girder-Column Connections Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Adjacent to part A	
Bldg. C1	1930	0	\$0	\$135,000	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Trusses, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Sloping Site (full story difference across site) Inadequate Foundation Ties Reentrant Corners Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
Bldg. C2	1930	0	\$0	\$67,500	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Trusses, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		

2024 Assessment Summary: Alameda															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. D	1951	0	\$0	\$50,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Seismic Separation (< 1%) Inadequate In-Plane Shear Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Inadequate ties to parts A, B	
Bldg. E	1921	0	\$0	\$437,500	1	Crawlspace	No	Approximately Complete Original Documents	Wood Battens, Wood Joists, Wood Beams, Wood Straight/Diag Sheathing	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')		1955 playroom/cafeteria portion of original building infilled with classrooms
Bldg. F	1953	0	\$0	\$2,340,000	3	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Concrete Beams	Concrete Columns, Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Torsional Irregularity Seismic Separation (< 1%) Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings	open ground floor adjacent to part A thin slabs	1987 - first floor infill appears to not have been constructed

2024 Assessment Summary: Alameda															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. G	1990	0	\$0	\$832,500	2	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Truss-Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Sloping Site (full story difference across site) Reentrant Corners Seismic Separation (< 1%) Inadequate In-Plane Shear Unblocked Diaphragms (4:1, 40')	adjacent to part A	

		Applegate
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$2,346,500	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Applegate

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1954	0	\$0	\$1,871,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	URM Chimneys Inadequate In-Plane Shear Roof Chord Discontinuity Straight Sheathing (2:1, 24')	1" sheathing	Original structure.

2024 Assessment Summary: Applegate															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A2	1990	0	\$0	\$402,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Roof Chord Discontinuity		Addition on east end of building
Bldg. B	1980s	0	\$0	\$73,500	1	Crawlspace	No	None	Unknown	Unknown	0				Portable building added in the 1980s. No drawings available.

		Arleta
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,355,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Arleta

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1929	0	\$0	\$11,025,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Steel Truss	Conc. CIP Walls, Concrete Columns, Unreinforced Brick Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Reentrant Corners Masonry Partition Walls URM Chimneys Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility URM bearing walls	partly braced in 2001 and 2014 thin slabs only roof upgraded in 2014 at West oriels/frmr conservatories	2001 - partial seismic bracing upgrade 2014 - roof-only seismic upgrade

2024 Assessment Summary: Arleta															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1953	0	\$0	\$315,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Steel Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Heavy Cladding System Under-Reinforced Walls Inadequate Wall-Foundation Connection	incl. glass block	2014 - roof-only seismic upgrade
Bldg. C	1953	0	\$0	\$945,000	1	None	Yes	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	only roof upgraded in 2014	2014 - roof-only seismic upgrade
Bldg. D	1953	0	\$0	\$70,000	1	None	Yes	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Steel Columns	Non-compliant	Cantilevered Steel Posts	Seismic Separation (< 1%) Inadequate base connection Inadequate foundation	Inadequate tie-back	2014 - partial seismic upgrade

		Astor
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$5,060,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Astor

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1949	0	\$0	\$1,570,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults) Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) URM Appendages over Exitway Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	brick at entry	

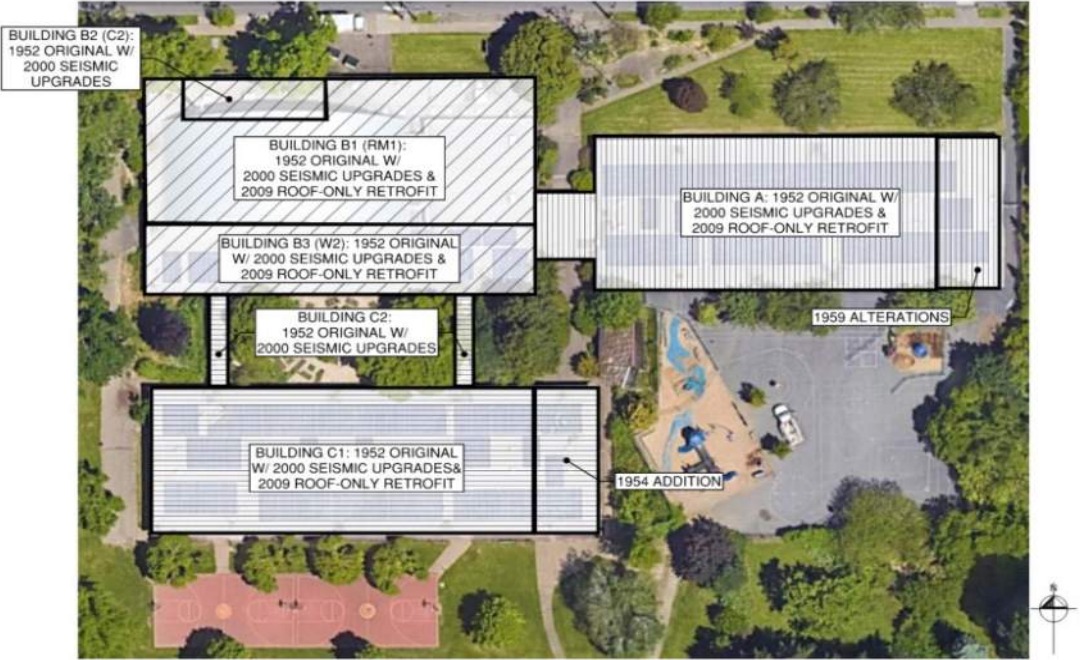
2024 Assessment Summary: Astor															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B1	1957	0	\$0	\$537,500	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Inadequate Wall Anchorage Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Keyway Only	2002 partial roof-only seismic upgrade (not re-sheathed)
Bldg. B2	1957	0	\$0	\$562,500	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag SheathingWood JoistsWood Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Inadequate Wall Anchorage Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Keyway Only	2002 partial roof-only seismic upgrade (not re-sheathed)
Bldg. C1	1957	0	\$0	\$1,690,000	1	None	Yes	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults) Split Levels Reentrant Corners Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		

2024 Assessment Summary: Astor															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. C2	1957	0	\$0	\$450,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag SheathingWood JoistsWood Beams	Conc. CIP Walls	C2a	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults) Split Levels Reentrant Corners Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
Bldg. D	1977	0	\$0	\$250,000	1	None	No	None	Wood Straight/Diag Sheathing, Wood Truss-Joists	Timber Frame	Non-compliant	Cantilevered Wood Posts	Near-fault location (250ft, DOGAMI Active Faults) Post Capacity Foundation Capacity		
Bldg. E1	2006	0	\$0	\$0	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults)		Appears to be benchmark buildings

2024 Assessment Summary: Astor															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. E2	2006	0	\$0	\$0	1	Crawlspace	No	None	Wood Straight/Diag SheathingWood JoistsWood Beams	Conc. CIP Walls	C2a	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults)		Appears to be benchmark buildings

		Atkinson
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$3,870,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Atkinson

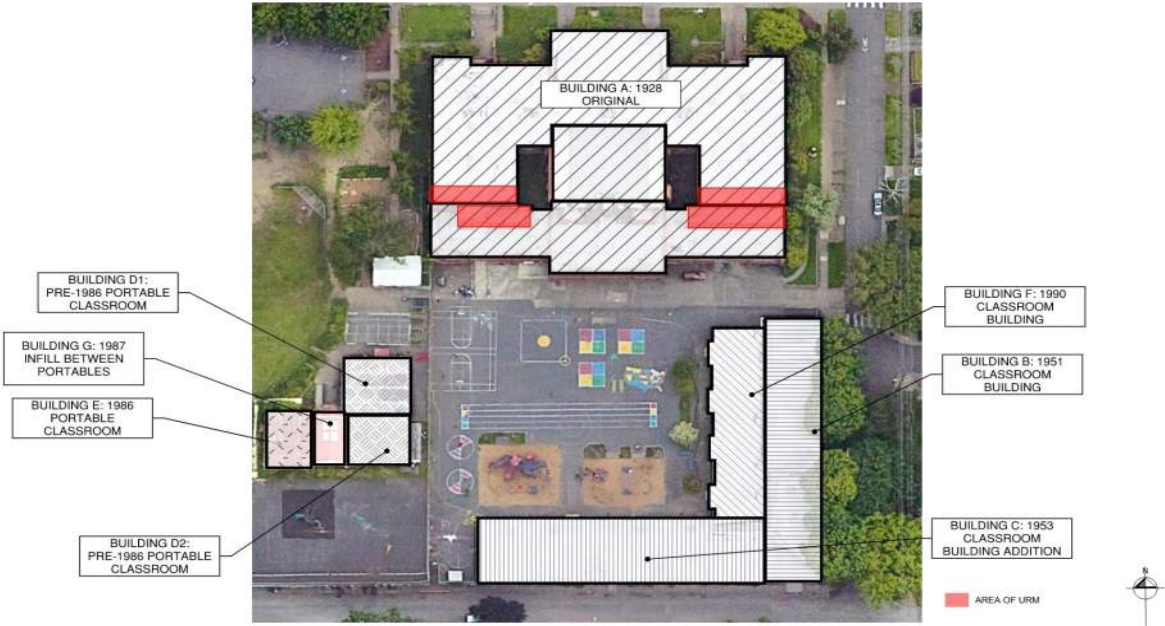
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1952	0	\$0	\$735,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood T+G Plank, Wood Joists, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Plan Irregularity Seismic Separation (< 1%) Inadequate In-Plane Shear	Deflection incompatibility with walkway to Building B no gap to Sector B T&G sheathing for walls typical	Alteration in 1959 to enclose covered play area on east end to make classrooms (generally matches original construction). Structural upgrades in 2000 include seismic bracing work at roof eve overhangs and new shear walls in N/S corridors w/ new collectors. Also 2009 Roof-only retrofit.

2024 Assessment Summary: Atkinson															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B1	1952	0	\$0	\$1,440,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Trusses, Wood Joists, Wood Beams	Reinforced Brick Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Misc. Plan Irregularity Seismic Separation (< 1%) Heavy Cladding System Under-Reinforced Walls No Wall-Foundation Connection	Strongbacks installed at east and west wall exterior in 2000, however no other walls retrofitted Roof has split levels @ gym & cafeteria Concrete roof (Bldg. B2) is immediately adjacent to the flexible diaphragm No gap to walkway to Building A Brick veneer #5@15" o.c. in 12.5" walls = 0.0016 < 0.002 Dowels do not appear to extend fully into foundation	Structural upgrades in 2000 include strong backs @ east and west exterior walls, new shear walls at the ends of the gym roof trusses, and new roof/beam connections. The truss over the gym was strengthened in 2002. 2009 reroof included adding (N) plywood on top of (E) T&G and strengthening in-plane shear transfer between gym roof diaphragm and masonry walls.
Bldg. B2	1952	0	\$0	\$500,000	1	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Plan Irregularity Masonry Partition Walls Heavy Cladding System No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Concrete roof adjacent to wood T&G roof CMU wall (likely unreinforced) @ toilet near boiler. Brick veneer Unclear from section J-J and schedules on S-4 if roof slab is adequately dowelled to walls Dowels do not appear to extend fully into foundation With adjacent timber framed portion	The 2000 structural upgrades in this area appears to focus on tying in the adjacent flexible diaphragm into the concrete walls.
Bldg. B3	1952	0	\$0	\$320,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood T+G Plank, Wood Joists, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear	No gap to walkways to Building A or Building C Brick veneer T&G sheathing for walls on southern side	Structural upgrades in 2000 include seismic bracing work at roof eave overhangs. Also 2009 Roof-only retrofit.

2024 Assessment Summary: Atkinson															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. C1	1952	0	\$0	\$850,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood T+G Plank, Wood Joists, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate In-Plane Shear	no gap to walkways to Sector B T&G sheathing for walls typical	1954 addition of two classroom on east end (matches original construction). Structural upgrades in 2000 include seismic bracing work at roof eve overhangs and new shear walls in N/S corridors w/ new collectors. Also 2009 Roof-only retrofit.
Bldg. C2	1952	0	\$0	\$25,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Timber Frame	W2, S3	Wood Frames (Commercial and Industrial Buildings), Metal Building Frames	Seismic Separation (< 1%) Inadequate In-Plane Shear Roof Chord Discontinuity Straight Sheathing (2:1, 24') Inadequate Moment-Resisting Connections (non-ductile)	No gap to buildings to north & south Relies on adjacent buildings in long direction. Unknown connection detailing	Structural upgrades in 2000 included construction of external steel moment frames.

		Beach
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,350,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$14,977,500	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Beach

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1928	3000	\$1,350,000	\$12,975,000	2	Partial	No	Approximately Complete Original Documents	Concrete Pan-Joists, Wood Joists	Reinforced Concrete Walls, Unreinforced Brick Walls	C2, URM	Concrete Shear Walls (Stiff Diaphragms), Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Sloping Site (full story difference across site) Inadequate Wall Anchorage Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Deflection Compatibility Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart No Diaphragm-Wall Connection Masonry Partition Walls URM Parapets exceed 1.5:1 URM Chimneys Heavy Cladding System Other observed nonstructural falling hazard	8-13 ft (slopes parallel to Humbolt St) HCT/Brick wall stair hall 3 and 4 level 1-2 Diaphragm step at boiler room Each side of gymnasium HCT/URM walls at classroom, restroom, hall Dowels Present but likely insufficient Recommend reviewing column detailing in greater detail Likely Prior Retrofit URM Local Exterior Cladding Wall	Sht 5 Wall section X-X Section A-A Sheet 9 Sheet 4 and 5 will not provide proper lat. resistance

2024 Assessment Summary: Beach

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1951	0	\$0	\$680,000	1	None	No	None, Approximately Complete Original Documents	Wood T+G Plank, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Torsional Irregularity Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Inadequate In-Plane Shear Large Unbraced Openings Diagonal Sheathing (4:1, 40') Unblocked Diaphragms (4:1, 40')		
Bldg. C	1953	0	\$0	\$600,000	1	None	No	Approximately Complete Original Documents	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Torsional Irregularity Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Inadequate In-Plane Shear Large Unbraced Openings Straight Sheathing (2:1, 24') Diagonal Sheathing (4:1, 40')		
Bldg. D1/D2	1953	0	\$0	\$180,000	1	None, Crawlspace	No	None	CFS Joists, Wood Plywood/OSB	Unknown, Wood Framed Walls, CFS Walls	W2, CFS2	Wood Frames (Commercial and Industrial Buildings), Sheathed Shear Wall System	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Sill-Foundation Connections (6 ft) Diaphragm discontinuity between units		

2024 Assessment Summary: Beach

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. E	1986 (Relocated)	0	\$0	\$82,500	1	None	No	Approximately Complete Original Documents	Steel Joists	Wood Framed Walls, CFS Walls, Wood Framed Walls, CFS Walls, Unknown	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Sill-Foundation Connections (6 ft) Diaphragm discontinuity between units		
Bldg. F	1990	0	\$0	\$400,000	1	None	No	Approximately Complete Original Documents	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Seismic Separation (< 1%)		
Bldg. F	1990	0	\$0	\$400,000	1	None	No	Approximately Complete Original Documents	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Seismic Separation (< 1%)		
Bldg. G	1987	0	\$0	\$60,000	1	None, Crawlspace	No	None	CFS Joists, Wood Plywood/OSB	Wood Framed Walls, CFS Walls, Wood Framed Walls, CFS Walls, Unknown	W2, CFS1	Wood Frames (Commercial and Industrial Buildings), Sheathed Shear Wall System	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Sill-Foundation Connections (6 ft) Diaphragm discontinuity between units		
										UNKNOWN		Wall System	Diaphragm discontinuity between units		

		Beaumont
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$19,252,500	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Beaumont

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1926 & 1930 (two stage construction)	0	\$0	\$16,350,000	2	Partial	No	Approximately Complete Original Documents	Concrete Beams, Concrete 1-way Slab	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Heavy Cladding System Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings	Various adjacent structures added Tall chimney Brick cladding	Original School Building

2024 Assessment Summary: Beaumont

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B1	1989	0	\$0	\$1,170,000	1	None	No	Insufficient Original Documents	Steel Joists, Wood Beams	Wood Framed Walls, CFS Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Torsional Irregularity Seismic Separation (< 1%) Heavy Cladding System No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection No Floor-to-Floor Connections (Shear and OT) Other Diaphragms	Connection to primary building Connection to primary building Double height at gym Mixed systems Brick cladding Connection back to primary structure Unknown condition Wood construction unknown	Cafeteria, office and covered walkways
Bldg. B2	1989	0	\$0	\$1,350,000	1	None	No	Insufficient Original Documents	Steel Joists, Wood Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Torsional Irregularity Seismic Separation (< 1%) Heavy Cladding System No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	Connection to primary building Connection to primary building Double height at gym Mixed systems Brick cladding Connection back to primary structure	High Gymnasium
Bldg. C	1951	0	\$0	\$382,500	1	None	No	None	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Portable. Assumed Timber construction

Retrofit and Rebuild Completed in 2024

		Benson
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)

Holmes

2024 Assessment Summary: Benson

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

Fernwood (Beverly Cleary)		
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$14,400,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$18,625,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Fernwood (Beverly Cleary)

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1911-1924	44000	\$13,200,000	\$13,200,000	2	Daylight	No	Approximately Complete Original Documents	Concrete Pan- Joists, Concrete Beams	Unreinforced Brick Walls, Concrete Columns	URMa	Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Reentrant Corners Overturning Seismic Separation (< 1%) Masonry Partition Walls Masonry ceiling URM Appendages over Exitway Beams, Girders, or Trusses bear on URM wall/pilaster	Tall slender URM (brick) piers no gap to A1, potentially insufficient gap to C1 HCT in basement HCT infill of pan joists	

2024 Assessment Summary: Fernwood (Beverly Cleary)

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A2	1924	4000	\$1,200,000	\$1,200,000	1	None	No	Approximately Complete Original Documents	Concrete Beams, Concrete 1-way Slab, Steel Truss	Unreinforced Brick Walls, Concrete Columns	URMa	Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Seismic Separation (< 1%) Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear No Diaphragm-Wall Connection Diaphragm Reinforcement at Openings Beams, Girders, or Trusses bear on URM wall/pilaster	No Seismic Gap to A1 or B N-S direction	
Bldg. B	1924	0	\$0	\$150,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Wood Plywood/OSB	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Other Diaphragms Incomplete gravity frame	No Seismic Gap to A2 HCT Interior Walls Brick Veneer Reinforcement unknown Bridging only	
Bldg. C1	1978	0	\$0	\$2,775,000	2	None	No	Approximately Complete Original Documents	Wood Beams, Wood Plywood/OSB, Hollow-Core Floor, Concrete Beams	Reinforced CMU Walls, Concrete Columns	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Overturning Reinforcement Provided at Wall Openings Inadequate In-Plane Shear Under-Reinforced Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Topping Slab-Wall Connection Deep Spandrels/Narrow Piers (50%, interfering walls)	No Seismic Gap to A2 HCT Interior Walls Brick Veneer Reinforcement unknown Bridging only	

2024 Assessment Summary: Fernwood (Beverly Cleary)															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. C2	1978	0	\$0	\$1,300,000	1	None	No	Approximately Complete Original Documents	Wood Beams, Wood Plywood/OSB	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Reinforcement Provided at Wall Openings Proportions (h/t < 30) Under-Reinforced Walls Wood Ledgers loaded across grain	Double height space	



Building Year Plan:
(see below for deficiencies)

		Boise-Eliot
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$16,885,000	See cover page notes for explanation of ROM cost

Holmes

2024 Assessment Summary: Boise-Eliot

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1928	0	\$0	\$16,400,000	2	Crawlspace	No	Insufficient Original Documents	Concrete 1-way Slab, Concrete Pan- Joists, Steel Truss	Concrete ColumnsConc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Masonry Partition Walls Concrete Parapets exceed 2.5:1 URM Chimneys Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings		

2024 Assessment Summary: Boise-Eliot

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1930	0	\$0	\$175,000	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Joists, Concrete Pan- Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) URM Parapets exceed 1.5:1 Deep Spandrels/Narrow Piers (50%, interfering walls) Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Inadequate tie to part A	Wall construction assumed to be similar to part A in absence of structural drawings or further exploration
Bldg. C	1960	0	\$0	\$52,500	1	Crawlspace	No	None	Steel Sheet Deck, Steel Joists	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Seismic Separation (< 1%) Under-Reinforced Walls No Diaphragm-Wall Connection Discontinuous Cross Ties	Inadequate tie to part A	Wall construction assumed based on type of construction in absence of structural drawings or further exploration
Bldg. D	1980	0	\$0	\$190,000	1	None	No	None	Steel Sheet Deck, CFS Joists, Steel Beams	Steel Columns	S3	Metal Building Frames	Misc. Plan Irregularity Inadequate Frame Moment Capacity Inadequate Brace Axial Capacity No Beam Bottom Flange Bracing No Bracing of Beam-Column Joints Inadequate Diaphragm-Frame Connection Inadequate Column-Foundation Connection Inadequate Connection Moment Capacity No Attachment of Roof Diaphragm Panels	No cross bracing in long. Direction	

2024 Assessment Summary: Boise-Eliot															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. E	1990	0	\$0	\$67,500	1	None	No	None	Wood T+G Plank, Wood Beams	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Under-Reinforced Walls Discontinuous Cross Ties		

		Bridger
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$4,930,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Bridger

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1951	0	\$0	\$1,530,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Straight Sheathing (2:1, 24')	to library. no gap to 1958 structures brick veneer east and west wall library	Original structure circa 1951. Addition to boiler room in 1958 w/ similar construction materials. Seismic upgrades in 2002 included (1) reducing the height of the URM chimney, (2) adding blocking & connections between the tops of stud walls and the roof diaphragm at the exterior perimeter walls, and (3) improving connections from the tops of 8 interior transverse walls to the roof diaphragm.

2024 Assessment Summary: Bridger															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A2	1958	0	\$0	\$1,470,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Misc. Plan Irregularity Masonry Partition Walls No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection Diagonal Sheathing (4:1, 40')	check OOP wall to diaphragm connection at lockers to exterior concrete walls At roof - May have been addressed in 2002 upgrades. Check adequacy. stiffness of concrete walls around gym and cafeteria may be incompatible with the timber walls at the classrooms concrete block and glazed tile partitions in locker rooms check wall to diaphragm connection at lockers to exterior concrete walls reinforcing dowels do not appear to extend into the foundation base Some blocking added in 2002. Original diagonal sheathing retained. Check adequacy.	Western portion of 1958 additions - Gym & multipurpose room. Seismic upgrades in 2002 included (1) improving the connection from the top of the concrete walls to the roof diaphragm at the gym and cafeteria; and (2) improving connections from the abutting lower roof diaphragms to the sides of the concrete walls at the gym and cafeteria.
Bldg. A3	1958	0	\$0	\$1,360,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Misc. Plan Irregularity Seismic Separation (< 1%) Inadequate In-Plane Shear Diagonal Sheathing (4:1, 40')	At roof - May have been addressed in 2002 upgrades. Check adequacy. stiffness of concrete walls around gym and cafeteria may be incompatible with the timber walls at the classrooms no gap to original portion check east classrooms in N/S direction	Western portion of 1958 additions - classrooms. Seismic upgrades in 2002 included (1) adding blocking & connections between the tops of stud walls and the roof diaphragm at the exterior perimeter walls; and (2) improving connections from the abutting lower roof diaphragms to the sides of the concrete walls at the gym and cafeteria.
Bldg. A4	1958	0	\$0	\$420,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Diagonal Sheathing (4:1, 40')	no gap to existing, though also wood framed brick veneer check 5/8" di bolts @ 8'-0" o.c. per section A/19 check connection between rafters and corridor wall	Seismic upgrades in 2002 included adding blocking & connections between the tops of stud walls and the roof diaphragm at the exterior perimeter walls

2024 Assessment Summary: Bridger															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1966	0	\$0	\$150,000	1	Crawlspace	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Unknown connection Unknown connection Unknown connection Unknown sheathing type	Wood framed portable classroom building constructed circa 1966. Original structural drawings were not provided. Alterations (non-structural) undertaken in 1973 & 2007.
Bldg. C	2007	0	\$0	\$0	1	Crawlspace	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)			Benchmark building - IBC 2003
Bldg. D	2018	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Trusses	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)			Benchmark building - constructed circa 2018. No construction documents. Thought to be W2 but may be CFS system.

		Bridlemile
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for appoximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$25,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$11,450,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Bridlemile

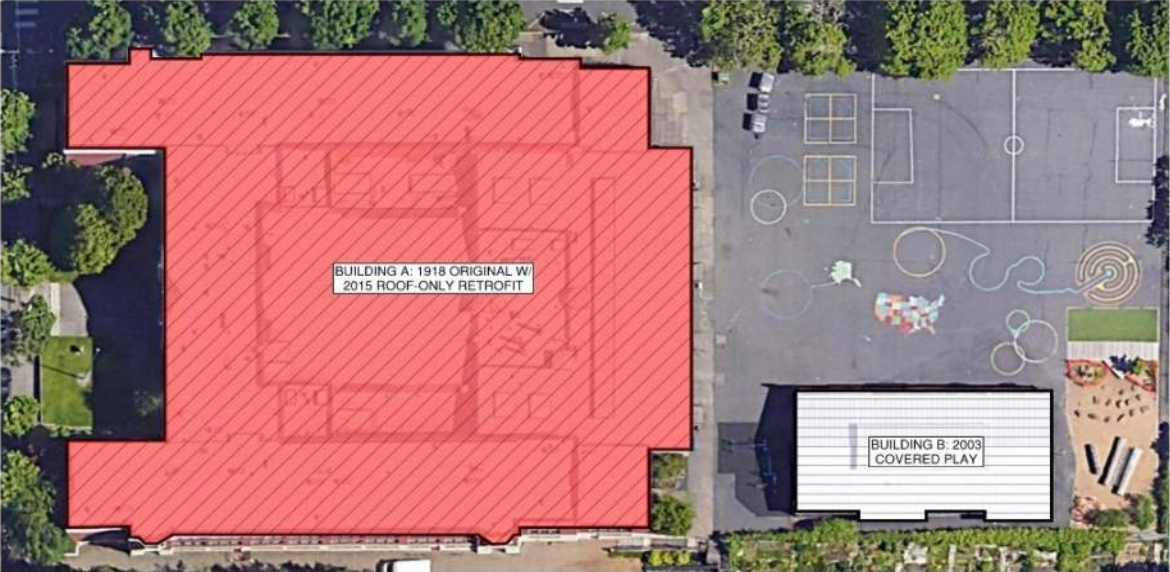
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1957	100	\$25,000	\$11,125,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood T+G Plank, Steel Joists, Steel Beams, Wood Beams, Concrete 1-way Slab, Concrete Beams	Wood Framed Walls, Steel Columns, Reinforced Brick Walls, Unreinforced Brick Walls, Concrete Columns, Conc. CIP Walls	W2, URM, RM1, C2	Wood Frames (Commercial and Industrial Buildings), Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Sloping Site (full story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Misc. Plan Irregularity Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24') Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate Composite Behavior Beams, Girders, or Trusses bear on URM wall/pilaster Thin Walls (9 top, 15 first, 13 other/single) Under-Reinforced Walls	incompatible systems	Fmr play area infill not documented, construction appears similar. Retrofit in 2001 of unknown scope (documents not available). Extent of unreinforced masonry bearing wall appears to be limited to the transformer vault.

2024 Assessment Summary: Bridlemile

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1960	0	\$0	\$75,000	1	Crawlspace	No	None	Wood Plywood/OSB, CFS Joists, Wood Joists	Wood Framed Walls	w2	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate In-Plane Shear Narrow Wood Shear Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
Bldg. C	1970	0	\$0	\$250,000	1	None	No	None	Wood Plywood/OSB, Wood Truss-Joists, Wood Beams	Timber Frame	Non-compliant	Cantilevered Wood Posts	Near-fault location (250ft, DOGAMI Active Faults) Post Capacity Foundation Capacity		

		Buckman
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$19,750,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$21,350,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Buckman

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1918	79000	\$19,750,000	\$21,100,000	2	Crawlspace, Daylight	No	Insufficient Original Documents	Wood Trusses, Wood Joists, Concrete Pan-Joists	Unreinforced Brick Walls, Reinforced Concrete Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Sloping Site (full story difference across site) Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Beams, Girders, or Trusses bear on URM wall/pilaster Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Large Diaphragm Openings Adj. Walls (25%, 8' at Ext.) Straight Sheathing (2:1, 24') Under-Reinforced Walls Under-Reinforced Flat Slabs Masonry Partition Walls URM Parapets exceed 1.5:1 URM Appendages over Exit way	Clear story at main hallway Unknown from insufficient drawings and unable to determine on site 1995 Seismic Improvement, 2015 reroof likely to have resolved Upper level walls are thin Large skylights at low roofs 2015 Reroof likely to have resolved (drawings not available) Hollow Clay Tile walls, 150 sf of discontinuous CMU walls in basement 1995 Seismic Improvement, 2015 reroof likely to have resolved Large cornices, window appendages	Solid URM walls throughout (all levels). Concrete framing and Concrete walls at basement.

2024 Assessment Summary: Buckman

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	2003	0	\$0	\$250,000	1	None	No	None	Steel Beams	Steel Columns	S1	Steel Moment Frames (Stiff Diaphragm)	Misc. Load Path Issue Inadequate Foundation Ties Non-redundant (< 2 bays in < 2 lines) Inadequate System Capacity Non-Compact Frame Members Large Diaphragm Openings Next To Frame (25%) Other Diaphragms	Discontinuous weak axis load path Unknown from insufficient drawings and unable to determine on site lack of lines in east-west direction Weak axis deficient Unknown from insufficient drawings and unable to determine on site Diaphragm is discontinuous at raised roof opening Standing seam roof	

Capitol Hill		
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$3,430,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$10,570,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Capitol Hill

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1916	7000	\$2,800,000	\$2,800,000	1	Crawlspace	No	Insufficient Original Documents	Wood Batten, Wood T+G Plank, Wood Trusses, Wood Beams	Wood Framed Walls, Unreinforced Brick Walls	URM, W2	Wood Frames (Commercial and Industrial Buildings), Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms Beams, Girders, or Trusses bear on URM wall/pilaster Unbraced Gable Walls No Diaphragm-Wall Connection Heavy Cladding System	Interior walls not continuous Exterior all windows HCT & Brick Foundation Walls Likely insufficient	Foundation is URM (Brick and HCT)

2024 Assessment Summary: Capitol Hill

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B1	1948	0	\$0	\$612,500	1	Crawlspace	No	Insufficient Original Documents	Wood Battens, Wood Trusses, Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms Heavy Cladding System	Interior walls not continuous Likely insufficient	
Bldg. B2	1948	0	\$0	\$612,500	1	Crawlspace	No	Insufficient Original Documents	Wood Battens, Wood Trusses, Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms Heavy Cladding System	Interior walls not continuous Likely insufficient	
Bldg. C	1952	0	\$0	\$175,000	1	None	No	Approximately Complete Original Documents	Conc. Lath, CFS Joists, Concrete Beams	Concrete Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Deflection Compatibility Discontinuous Cross Ties Other Diaphragms	Inadequate tie to existing building Wood ledger loaded in tension Conc. on metal lath roof diaphragm	

2024 Assessment Summary: Capitol Hill

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. D	1952	200	\$30,000	\$1,550,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Beams	Wood Framed Walls, Unreinforced Brick Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24') Beams, Girders, or Trusses bear on URM wall/pilaster Wood Ledgers loaded across grain Masonry Partition Walls Heavy Cladding System	Likely insufficient at NE entry	URM entry at NE presumed to be bearing based on other building details
Bldg. E	1952	2400	\$600,000	\$600,000	1	None	No	Insufficient Original Documents	Wood Shingles, Wood Trusses	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Seismic Separation (< 1%) Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Unbraced Gable Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Masonry Partition Walls	HCT walls	
Bldg. F	1952	0	\$0	\$3,795,000	1	None	No	Insufficient Original Documents	Wood Shingles, Wood Trusses, Concrete Pan- Joists, Concrete Beams	Wood Framed Walls	C3a	Concrete Frames with Infill Masonry Shear Walls (Flexible Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Torsional Irregularity Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Thin Walls (>1:9) Cavity Wall Construction Under-Reinforced Flat Slabs Inadequate In-Plane Shear No diaphragm-wall connection Deflection Compatibility Discontinuous Cross Ties Straight Sheathing (2:1, 24') Masonry Partition Walls Masonry ceiling	No wood roof - concrete beam connection specified 3-sided boxes single longitudinal. line roof only Only second floor braced CMU SIPF in second floor	1998 - partial nonstructural seismic bracing

2024 Assessment Summary: Capitol Hill

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. G	1968	0	\$0	\$75,000	1	Crawlspace, None	No	None	Wood Plywood/OSB, CFS Joists	Wood Framed Walls	CFS1	Sheathed Shear Wall System	Overturning Inadequate In-Plane Shear No Floor-to-Floor Connections (Shear and OT) Diaphragm discontinuity between units	likely insufficient	
Bldg. H	1970	0	\$0	\$250,000	1	None	No	None	Wood T+G Plank, Wood Joists	Timber Frame	Non-Compliant	Cantilevered Wood Posts	Post Capacity Foundation Capacity		
Bldg. J	1990	0	\$0	\$100,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		

Select school from pull down menu:		Chapman
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$14,320,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Chapman

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1923	0	\$0	\$13,905,000	2	Partial, Daylight	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Concrete Beams, Concrete Pan-Joists, Concrete 1-way Slab, Wood Trusses	Concrete Columns, Conc. CIP Walls	C2, C2a, C3	Concrete Shear Walls & Concrete Frames with Infill Masonry Shear Walls (Both Diaphragms)	High Landslide Susceptibility (DOGAMI State Overview) Near-fault location (250ft, DOGAMI Active Faults) Severe Vertical Element Size Discontinuity (<50%) Split Levels Reentrant Corners Masonry Partition Walls Masonry ceiling Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear (conc. Walls) Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Discontinuous Cross Ties Straight Sheathing (2:1, 24') Thin HCT Walls (>1:9) Inadequate In-Plane Shear (HCT walls)	Infilled frames not continuous to fnd roof level steps Local areas braced in 2003, 2020 thin slabs Local areas reinforced in 2003	Large lightwells have been infilled (drawings not available) 2003 - partial seismic upgrade 2020 - roof-only seismic upgrade

Bldg. B	1964	0	\$0	\$225,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	High Landslide Susceptibility (DOGAMI State Overview) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Misc. Plan Irregularity Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Wood Post-Foundation Connections	Discontinuous diaphragm	2020 - roof-only seismic upgrade
Bldg. C	1980	0	\$0	\$190,000	1	None	No	None	Steel Sheet Deck, CFS Joists, Steel Beams	Steel Columns	S3	Metal Building Frames	Near-fault location (250ft, DOGAMI Active Faults) Misc. Plan Irregularity Inadequate Frame Moment Capacity Inadequate Brace Axial Capacity No Beam Bottom Flange Bracing No Bracing of Beam-Column Joints Inadequate Diaphragm-Frame Connection Inadequate Column-Foundation Connection Inadequate Connection Moment Capacity No Attachment of Roof Diaphragm Panels	No cross bracing in long. Direction	

[illegible]

Select school from pull down menu:		Chavez
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$18,499,250	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Chavez

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1927	0	\$0	\$16,152,500	2	Partial	No	Approximately Complete Original Documents	Concrete Beams, Concrete 1-way Slab, Concrete Pan-Joists, Steel Truss	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings	Gymnasium double height Various adjacent structures added Brick cladding	Original School Building

Bldg. A2	1955	0	\$0	\$213,750	1	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Concrete Waffle Slab	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Non-orthogonal System Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	Connection to primary building Connection to primary building Relies upon primary building for lateral Brick cladding Connection back to primary structure	
Bldg. A3	UNKNOWN	0	\$0	\$1,053,000	2	Partial	No	None	0	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)			Unknown additions to the north face of the building
Bldg. A4	1987	0	\$0	\$1,080,000	2	Partial	No	Approximately Complete Original Documents	Concrete 1-way Slab	Concrete Columns, Conc. CIP Walls, CFS Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Seismic Separation (< 1%) Masonry Partition Walls	Supported by original building Connected to original building	

Bldg. A5	2017	0	\$0	\$0	2	None	No	None	0	0	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Heavy Cladding System	Connected to building A1 & A4 Brick cladding	
Bldg. B	2019	0	\$0	\$0	1	None	No	None	0	0	W2	Wood Frames (Commercial and Industrial Buildings)			Portable classroom

[illegible]

Select school from pull down menu:		Chief Joseph
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$4,635,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Chief Joseph

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1949	0	\$0	\$1,770,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Beams, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Split Levels Reentrant Corners Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	The east edge of the 1949 building should be anchored to the west wall of the 1954 addition (identified per the 2014 improvement project) to library likely at library walls no gap to 1956 addition spacing of connections was not specified in drawings, needs investigation	1949 Original Structure. Addition of two classroom on east side in 1954 using similar materials and construction detailing. Addition to boiler room in 1966, also using similar materials. In 2014, the height of the brick chimney was reduced as part of an improvement project.

Bldg. A2	1956	0	\$0	\$1,335,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Beams, Wood Joists	Conc. CIP Walls	RM1, C2a, C2	Reinforced Masonry Bearing Walls (Flexible Diaphragms), Concrete Shear Walls (Flexible Diaphragms), Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Split Levels Reentrant Corners Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	OOP connection over multi-purpose room, kitchen, & locker room still require upgrade glazed tile walls in locker rooms In-plane connection over multi-purpose room, kitchen, & locker room still require upgrade Dowels appear to extend from wall to foundation stem, but not continue to foundation base per details on S4 multi-purpose room, kitchen, & locker room still require upgrade	1956 addition to east side of original structure - multi-purpose room, kitchen, & locker room. No structural work at this portion (lower roof)
Bldg. A3	1956	0	\$0	\$1,100,000	2	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Beams, Wood Joists, Concrete Pan-Joists	Conc. CIP Walls, Reinforced CMU Walls	RM1, C2, C2a	Reinforced Masonry Bearing Walls (Flexible Diaphragms), Concrete Shear Walls (Flexible Diaphragms), Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Split Levels Reentrant Corners Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	no gap to existing building Typ. CMU vert reinforcement is 4-#5 bars per detail A/S4. Typ wall length is ~32 ft. Therefore, spacing > 48" No positive connection from CMU wall to foundation, just key, per detail A/S4 Dowels appear to extend from wall to foundation stem, but not continue to foundation base per details on S4	1956 addition to east side of original structure. - 2 story classroom portion. RC walls on first story and CMU walls on section story. Partial re-roof circa 2014 - structural upgrades for upper roof diaphragm & connects.
Bldg. A4	1956	0	\$0	\$430,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Beams, Wood Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Misc. Load Path Issue Split Levels Reentrant Corners Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	Dowels appear to extend from wall to foundation stem, but not continue to foundation base per details on S4	1956 addition to east side of original structure. Partial re-roof circa 2014 - structural upgrades for upper roof diaphragm & connects (gym, fan room & classroom wing). No structural work at lower roof (multi-purpose room, kitchen, & locker room)

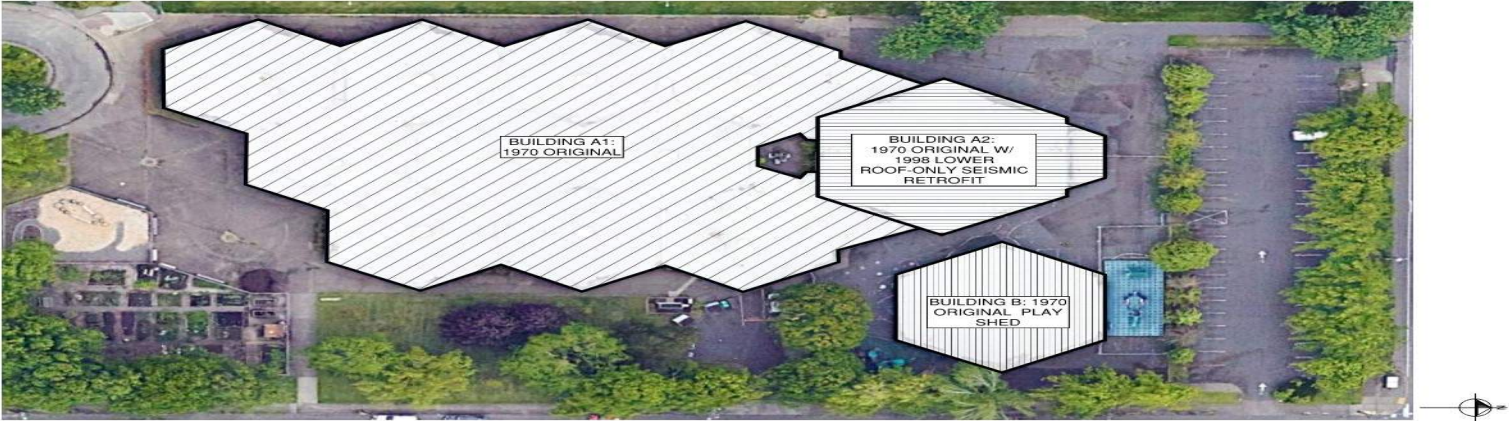
Bldg. B	1991	0	\$0	\$0	1	Crawlspace	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Split Levels Reentrant Corners Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')		Modular classroom installed circa 1991. No architectural or structural information provided. Assume benchmark.

[illegible]

Select school from pull down menu:		Clarendon
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$5,442,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Clarendon

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1970	0	\$0	\$4,212,500	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Concrete Columns, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Split Levels Non-orthogonal System Reentrant Corners Misc. Plan Irregularity URM Chimneys Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Roof Chord Discontinuity Straight Sheathing (2:1, 24') Deflection incompatibility	Possible collapse hazard. LFRS relies on gypsum shear walls. If/when they fail, precast column connections have limited capacity to resist lateral loads. At roof to gym hexagonal grid Gym will be stiffer than classroom sections brick veneer Gypsum shear walls w/ relatively large areas & heavy conc. elements Roof material is just described as 'sheathing' Precast columns & connections are unlikely to have adequate capacity to resist seismic loads if/when gypsum shear walls fail	1970 Original Building. Building is constructed on a grid of hexagons. At the center of each hexagon is a concrete column in the shape of a tree. The column is comprised of a cast in place core and 6 precast concrete elements that form at trunk & branch. Glulam beams span from these branches to precast columns located at each point of the hexagonal grid. Walls are typically wood-framed with gyp sheathing and appear to be the primary LFRS. The project folder shows re-roof circa 2006 and roof replacement circa 2012. The seismic scope of these projects (if any) is unknown as drawings were not available.

Bldg. A2	1970	0	\$0	\$1,020,000	1	None	No	Approximately Complete Original Documents	Tectum, Wood Joists, Wood Beams	Concrete Columns, Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Non-orthogonal System Masonry Partition Walls Heavy Cladding System Under-Reinforced Walls Discontinuous Cross Ties Other Diaphragms	Wall anchorage was partially was updated in 1998. Check adequacy for OOP & whether further upgrades were made in 2006 or 2012 at roof hexagonal shape check around dressing rooms & toilets brick veneer 12" thick wall is under reinforced per note 6 page S3 tectum diaphragm per original plans. Check whether it was updated in 2006 or 2012	1970 Original gym portion. Has CMU walls around perimeter typ in a generally hexagonal shape. 1998 seismic upgrades including partial upgrade of CMU wall roof anchorage (typically at lower roof/ceiling). Full extend of retrofit is unknown as not all structural drawings were provided. The project folder also shows re-roof circa 2006 and roof replacement circa 2012. The seismic scope of these projects (if any) is unknown as drawings were not available.
Bldg. B	1970	0	\$0	\$210,000	1	None	No	Approximately Complete Original Documents	Tectum, Wood Beams	Concrete Columns	N/C	Cantilevered Columns	Non-orthogonal System Foundation capacity Inadequate precast connection capacity Other Diaphragms	hexagonal shape Foundation does not appear to be designed to resist moments Connection between precast exterior columns and the steel pipe supporting the glulam beam connection is unclear tectum diaphragm per original plans. Check whether it was updated in 2006 or 2012	1970 Original covered play structure. The project folder shows a re-roof circa 2006 and roof replacement circa 2012. The seismic scope of these projects for the covered play (if any) is unknown as drawings were not available.

[illegible]

[illegible]

Select school from pull down menu:		Cleveland
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



trofit/Relocation in Progre

Building Year Plan:
(see below for deficiencies)

Holmes															
2024 Assessment Summary: Cleveland															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Creative Science / Clark
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



Recent Retrofit Complete

Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: Creative Science / Clark															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Creston
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$10,970,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$14,613,750	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Creston

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1946	53600	\$10,720,000	\$10,720,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Joists, Wood Trusses, Wood Beams	Wood Framed Walls, Steel Columns, Structural Glazed Tile Walls	W2, URM	Wood Frames (Commercial and Industrial Buildings), Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Inadequate In-Plane Shear (URM) Thin Walls (9 top, 15 first, 13 other/single) Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Girder-Column Connections Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood) Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Masonry Partition Walls	Corridor ceiling braced by SGT walls Few exterior shear walls 1997 work was not comprehensive Cafeteria 1997 work was not comprehensive	recommend scanning walls to verify URM bearing walls 1997 - Partial seismic retrofit 2009 - Roof-only seismic retrofit in eastern portion only 2014 - documentation not available

Bldg. B1	1921	250	\$62,500	\$1,687,500	1	Full	No	Insufficient Original Documents	Wood T+G Plank, Wood Joists, Steel Truss, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Reentrant Corners Seismic Separation (< 1%) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Discontinuous Cross Ties HCT supported mezzanine Masonry Partition Walls URM Chimneys	Height reduced in 2009	2009 - Roof-only seismic retrofit
Bldg. B2	1921	250	\$37,500	\$1,006,250	1	Full	No	Insufficient Original Documents	Wood T+G Plank, Wood Joists, Steel Truss, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Similar to B1		
Bldg. C	1953	0	\$0	\$1,050,000	1	None	No	0	Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	High Landslide Susceptibility (DOGAMI State Overview) Reentrant Corners Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')		1997 - partial seismic retrofit

Bldg. D	1964	600	\$150,000	\$150,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	CFS Walls, Unreinforced CMU Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Wood Ledgers loaded across grain No Diaphragm-Wall Connection Discontinuous Cross Ties Unblocked Diaphragms (4:1, 40')	Inadequate tie to existing bldg.	

[illegible]

Select school from pull down menu:		Davinci
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$20,742,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Davinci

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1916	0	\$0	\$200,000	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		

Bldg. B	1927	0	\$0	\$20,175,000	3	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Concrete Beams, Steel Truss	Concrete Columns, Conc. CIP Walls, Unreinforced Brick Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Reentrant Corners Masonry Partition Walls Concrete Parapets exceed 2.5:1 URM Chimneys Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Diaphragm Reinforcement at Openings	Some exitways appear to be braced thin slabs	1997 - Partial seismic upgrade
Bldg. C	1940	0	\$0	\$150,000	1	Crawlspace	No	None	Wood Joists, Wood Plywood/OSB, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Girder-Column Connections Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')		1990 - Exterior wall seismic upgrade
Bldg. D	1940	0	\$0	\$150,000	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Heavy Cladding System Inadequate In-Plane Shear Narrow Wood Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		

Bldg. E	1965	0	\$0	\$67,500	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, CFS Joists	CFS Walls	CFS1	Sheathed Shear Wall System	Inadequate Foundation Ties Inadequate In-Plane Shear Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Long, Non-Wood Structural Panel Diaphragms (24')		
Bldg. F	2007	0	\$0	\$0	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Appears to be a benchmark building

[illegible]

Select school from pull down menu:		Duniway
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$420,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$14,610,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Duniway

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1926	0	\$0	\$11,700,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Concrete Beams, Steel Truss	Concrete Columns, Conc. CIP Walls, Unreinforced Brick Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Misc. Plan Irregularity Masonry Partition Walls URM Parapets exceed 1.5:1 Concrete Parapets exceed 2.5:1 Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings URM bearing walls	End of N wing soft thin slabs wall b/w cafeteria addition	2023 reroof somewhere on this campus (drawings not available)

Bldg. B	1947	0	\$0	\$1,110,000	1	None	Yes	Approximately Complete Original Documents	Wood T+G Plank, Concrete 1-way Slab, Steel Joists, Wood Joists	Conc. CIP Walls	C2, C2a	Concrete Shear Walls (Stiff & Flexible Diaphragms)	Inadequate Wall Anchorage Seismic Separation (< 1%) Concrete Parapets exceed 2.5:1 Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Wood Ledgers loaded across grain attached to parts A & C	
Bldg. C	1947	0	\$0	\$840,000	1	None	No	Approximately Complete Original Documents	Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	attached to part B	
Bldg. D	1953	1400	\$420,000	\$960,000	2	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Steel Joists	Conc. CIP Walls, Unreinforced Brick Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Concrete Parapets exceed 2.5:1 Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Diaphragm Reinforcement at Openings URM bearing walls	attached to part A expansion joint at slab SGT wall b/w classrooms 17 & 18	

[illegible]

Select school from pull down menu:		East Sylvan
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$3,220,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: East Sylvan

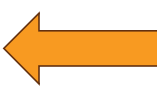
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1910	0	\$0	\$350,000	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Joists, Wood Beams, Wood Trusses	Timber Frame, Conc. CIP Walls	W2, C2a	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Flexible Diaphragms)	Sloping Site (full story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Split Levels Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear (concrete walls) Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood Walls) Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity		2003 partial seismic upgrade at roof level only Building poorly documented, exploratory demo required to enable further assessment.

Bldg. A2	1910	0	\$0	\$462,500	1	Daylight	No	None	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Joists, Wood Beams, Wood Trusses	Timber Frame, Conc. CIP Walls	W2, C2a	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Flexible Diaphragms)	Sloping site (run story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Split Levels Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear (concrete walls) Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood Walls) Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections	2003 partial seismic upgrade at roof level only Building poorly documented, exploratory demo required to enable further assessment.
Bldg. A3	1910	0	\$0	\$930,000	1	Daylight	No	None	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Joists, Wood Beams, Wood Trusses	Timber Frame, Conc. CIP Walls	W2, C2a	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Flexible Diaphragms)	Sloping site (run story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Split Levels Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear (concrete walls) Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood Walls) Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections	2003 partial seismic upgrade at roof level only Building poorly documented, exploratory demo required to enable further assessment.
Bldg. A4	1946	0	\$0	\$1,437,500	2	Daylight, Crawlspace	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Joists, Wood Beams, Wood Trusses	Timber Frame, Conc. CIP Walls	W2, C2a	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Flexible Diaphragms)	Sloping site (run story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Split Levels Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear (concrete walls) Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood Walls) Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections	2003 partial seismic upgrade at roof level only Building poorly documented, exploratory demo required to enable further assessment.

Bldg. A5	1946	0	\$0	\$40,000	2	None	No	None	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Joists, Wood Beams, Wood Trusses	Timber Frame, Conc. CIP Walls	W2, C2a	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Flexible Diaphragms)	Sloping site (run story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Foundation Ties Split Levels Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear (concrete walls) Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood Walls) Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity		2003 partial seismic upgrade at roof level only Building poorly documented, exploratory demo required to enable further assessment.

[illegible]

Select school from pull down menu:		Edwards
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$1,905,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Edwards

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1960	0	\$0	\$1,760,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Heavy Cladding System Under-Reinforced Walls No Diaphragm-Wall Connection Discontinuous Cross Ties Unblocked Diaphragms (4:1, 40')	Appears to have widely spaced anchors (max > 40'). 1" gap to 1989 addition CMU partition walls for 1962 alteration appear to be unreinforced. ~6'-0" tall above roof brick veneer Vert reinf = #4 @ 4'-0" o.c. corridor walls spans >40'	Original structure plus alteration in 1962 to enclose covered play area on west end to make classrooms

Bldg. B	1989	0	\$0	\$145,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate In-Plane Shear Narrow Wood Shear Walls No Wood Post-Foundation Connections No Girder-Column Connections Roof Chord Discontinuity	1" gap to original structure Limited walls in N/S direction North wall. B=3'-10", H=8'-6" No info about wall studs to sill connect Limited info for walls to girder connections	1989 Addition

[illegible]

[illegible]

Select school from pull down menu:		Faubion
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



Recently Constructed

Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: Faubion															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

Select school from pull down menu:		Franklin
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



etrofit Recently Complete

Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: Franklin															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		George
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$11,175,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$13,512,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: George

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1952	55000	\$11,000,000	\$11,000,000	1	Partial	No	Approximately Complete Original Documents	Wood Joists, Wood Beams, Steel Truss	Unreinforced Brick Walls, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Reentrant Corners Torsional Irregularity In-Plane Stress Inadequate Post-Foundation Connection Straight Sheathed Diaphragms Beams, Girders, or Trusses bear on URM wall/pilaster Thin Walls (9 top, 15 first, 13 other/single) Cavity Wall Construction Other Diaphragms Masonry Partition Walls Heavy Cladding System	Glass block clerestory at roof of corridor wing offsets No connection shown at URM Center of mass offset from center of rigidity Sheathing is unknown from drawings and site visit Unknown, no connection shown Shiplap sheathing, T&G sheathing URM Shiplap sheathing, T&G sheathing Hollow clay tile walls in locker room extents Brick veneer on wood framed walls	URM present at exterior corridor wing walls, boiler room, and double height auditorium.

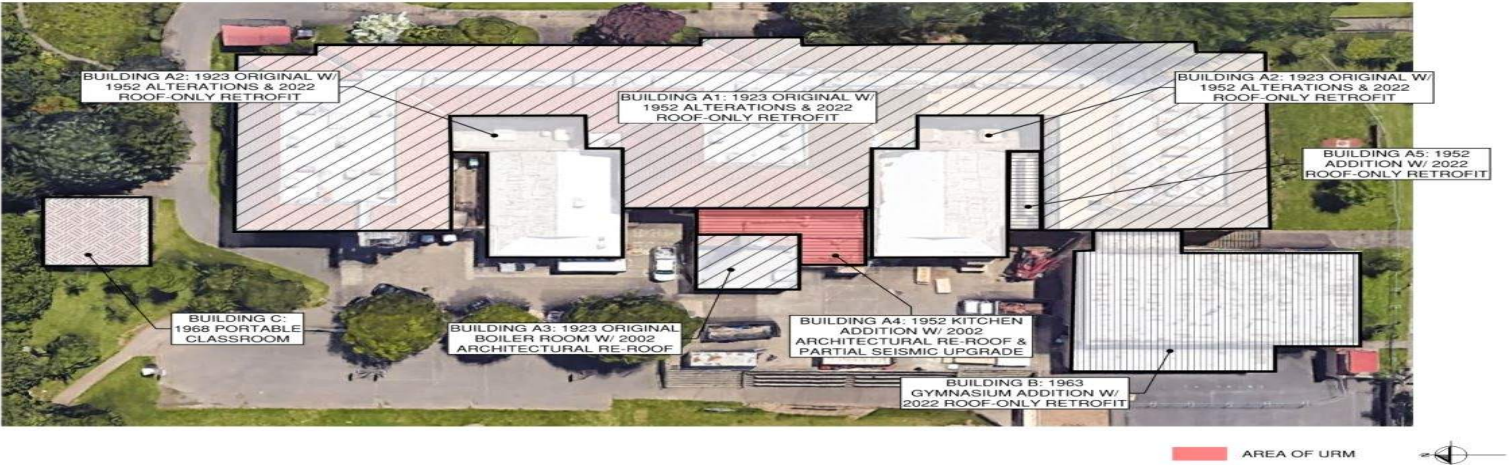
Bldg. A2	1952	700	\$175,000	\$1,350,000	1	None	No	Approximately Complete Original Documents	Steel Beams	Unreinforced Brick Walls, Steel Columns	S1a	Steel Moment Frames (Flexible Diaphragm)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate System Capacity Inadequate Moment-Resisting Connections (non-ductile) Inadequate Panel Zones Non-Compact Frame Members Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Cavity Wall Construction No Diaphragm-Wall Connection Other Diaphragms Masonry Partition Walls	Glass block clerestory at gymnasium, tectum No connection shown at URM Clerestory at URM Tectum Hollow clay tile walls in locker room extents	URM present in the gymnasium (double height). Tectum is present in the gym, structural diaphragm is likely to be plywood
Bldg. B1, B2, B3, B4, B5	1987	0	\$0	\$1,162,500	1	None	No	Insufficient Original Documents	Wood Joists, Wood Beams	Wood Framed Walls, Reinforced Brick Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Seismic Separation (< 1%) Under-Reinforced Walls	Likely insufficient OOP strength at brick walls Buildings Interconnected Brick Walls	

[illegible]

Select school from pull down menu:		Glencoe
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$241,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,533,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Glencoe

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1923	0	\$0	\$10,923,750	2	Partial, Crawlspace	No	Approximately Complete Original Documents	Concrete Beams, Concrete 1-way Slab, Wood Trusses, Steel Truss	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Split Levels Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Deflection Compatibility	Double height auditorium space with offset roof height from main building re-entrant corners at wings Buildings Interconnected Hollow tile partition walls Interconnected buildings	1923 original W/ 1952 alterations & 2022 roof-only retrofit (re-roof). Supports Building A3.

Bldg. A2	1923	0	\$0	\$662,000	2	Partial, Crawlspace	No	Approximately Complete Original Documents	Concrete Beams, Concrete 1-way Slab, Wood Trusses, Steel Truss	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Split Levels Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Deflection Compatibility	Double height auditorium space with offset roof height from main building re-entrant corners at wings Buildings Interconnected Hollow tile partition walls Interconnected buildings	1923 original W/ 1952 alterations & 2022 roof-only retrofit (re-roof). Supports Building A3.
Bldg. A3	1923	0	\$0	\$303,500	1	None	No	Approximately Complete Original Documents	Concrete 2-way Slab	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Other observed nonstructural falling hazard Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Deflection Compatibility	Buildings Interconnected Brick coping at top of existing chimney Interconnected buildings	1923 original boiler room W/ 2002 re-roof & partial seismic upgrade. Supports building A3.
Bldg. A4	1952	1205	\$241,000	\$0	1	Daylight	No	Insufficient Original Documents	Concrete 2-way Slab	Unreinforced CMU Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Deep Spandrels/Narrow Piers (50%, interfering walls) Seismic Separation (< 1%) Heavy Cladding System Incomplete gravity frame Inadequate In-Plane Shear Under-Reinforced Walls Deflection Compatibility	Buildings Interconnected Brick veneer interconnected buildings	Kitchen addition W/2002 re-roof & partial seismic upgrade. CMU walls, connected to buildings A1 & A2. No roof framing plans

Bldg. A5	1952	0	\$0	\$0	1	None	No	Approximately Complete Original Documents	Wood Joists	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%)	Buildings Interconnected	Covered area between Building A1 zones. Gravity structure supported on Building A1
Bldg. B	1964	0	\$0	\$570,000	1	Partial	No	Approximately Complete Original Documents	Steel Truss	Concrete Columns, Reinforced CMU Walls	C3a	Concrete Frames with Infill Masonry Shear Walls (Flexible Diaphragms)	Split Levels Seismic Separation (< 1%) Heavy Cladding System Cavity Wall Construction Inadequate In-Plane Shear Deflection Compatibility	Locker rooms split level Buildings Interconnected Brick veneer Limited reinforcing in masonry walls Interconnected buildings	1963 gymnasium addition. 2022 roof only retrofit (re-roof)
Bldg. C	1968	0	\$0	\$74,250	1	None	No	Insufficient Original Documents	Wood Joists	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Straight Sheathing (2:1, 24')	Connection to foundation unknown Diaphragm construction unknown	Building described as movable classroom. No Structural documents found. Assumed construction consists of timber framed walls and roof. Connection to foundation unknown

Select school from pull down menu:		Grant
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



etrofit Recently Complete

Building Year Plan:
(see below for deficiencies)

Holmes															
2024 Assessment Summary: Grant															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

Select school from pull down menu:		Gray
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$10,187,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Gray

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1951	0	\$0	\$4,140,000	1	Daylight	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Concrete Pan-Joists, Concrete Beams	Wood Framed Walls, Wood Framed Walls, Steel Columns, Conc. CIP Walls	W2, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) High Landslide Susceptibility (DOGAMI State Overview) Unbraced Mezzanine Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40') Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	CMU mezzanine in boiler room Open front basement, few ext. wd walls CMU walls in basement Brick Façade thin slabs hooked bars not shown unreinforced footings	Basement portion 1984 interior improvements

Bldg. B	1951	0	\$0	\$5,687,500	1	Partial, CrawlSpace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	High Landslide Susceptibility (DOGAMI State Overview) Split Levels Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections No Girder-Column Connections Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40') Bowstring Truss	Building has few exterior walls adjacent to part A Brick façade Large windows at gym/café Gymnasium	No basement portion
Bldg. C	1984	0	\$0	\$190,000	1	None	No	None	Wood Plywood/OSB, Wood Joists, Wood Beams	Timber Frame	Non-compliant	Cantilevered Wood Posts	Post Capacity Foundation Capacity		
Bldg. D	1984	0	\$0	\$170,000	1	None	No	None	0	0	Non-compliant	Cantilevered Steel Posts	High Landslide Susceptibility (DOGAMI State Overview) Seismic Separation (< 1%) Inadequate base connection Inadequate foundation	poorly attached to parts A & B	

Select school from pull down menu:		Grout
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$18,444,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Grout

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1927	0	\$0	\$18,292,500	2	Daylight, Partial	No	Approximately Complete Original Documents	Steel Truss, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Split Levels Reentrant Corners Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Large Diaphragm Openings Adj. Walls (25%)	Brick & tile partition walls Brick cladding Floor slab reinforcing not continuous Auditorium opening	1927 original school building

Bldg. A2	1970's	0	\$0	\$152,000	1	None	No	None	Wood Truss-Joists	Timber Frame	N/A	Cantilevered timber columns				Covered play area

[illegible]

Select school from pull down menu:		Harrison Park
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$13,182,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Harrison Park

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1949	0	\$0	\$7,712,500	1	Crawlspace	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams, Wood Trusses	Wood Framed Walls, Steel Columns	W2, URMa	Wood Frames (Commercial and Industrial Buildings), Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Split Levels Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Narrow Wood Shear Walls Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Diagonal Sheathing (4:1, 40') Unblocked Wood Panel Diaphragms (4:1, 40') No Diaphragm-Wall Connection	Needs investigation Potential deficiency of diaphragm-wood wall connections 1" gap @ GL 11 & 20 brick veneer Some new shear walls added in 2024, not full retrofit bolts @ 8'-0" o.c. per section 1-1 on A1-8 unclear from section 3-3 on A1-8 at assembly hall check IP and OOP connection of URM walls - detail not found in review	Original school building consists of light framed wood over a suspended concrete slab and spread footing foundation system. Also includes low roof portion of 1975 addition to north end & 1987 addition to east side. There are 8" brick walls (firewalls & loadbearing) w / a 1" expansion joint at gridlines 11 & 20. (N) Ply shear walls were added in 2024 in response to remodel.

Bldg. A2	1949	0	\$0	\$300,000	1	None	No	Approximately Complete Original Documents	Concrete Pan-Joists	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Masonry Partition Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	no gap to original portion or additions reinforcement does not continue to foundation base	Original Boiler room
Bldg. A3	1949/1975	0	\$0	\$1,925,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Steel Beams, Wood Plywood/OSB, Wood Beams	Wood Framed Walls, Steel Columns, Concrete Columns	W2, S1a	Wood Frames (Commercial and Industrial Buildings), Steel Moment Frames (Flexible Diaphragm)	Split Levels Torsional Irregularity Masonry Partition Walls Inadequate In-Plane Shear Roof Chord Discontinuity Diagonal Sheathing (4:1, 40') Inadequate System Capacity No Diaphragm-Frame Connection Inadequate Moment-Resisting Connections (non-ductile) Inadequate Panel Zones Non-Compact Frame Members	CMU may be inadequate for OOP assume 8'-0" o.c. as in A1 Check portal frame capacity Load path not quantifiable per Section 3R on A3-8 check - provided drawings did not include A3-7 Section Thru Gym (w/ details) recommend detailed check recommend detailed check	Original structure is wood-framed wall w/ steel portal frame spanning in N/S direction. Roof is diagonal ship lap supported on wood joists and steel beams. 1975 Addition appears to be reliant on original structure for gravity & LFRS. Roof is 3/8" Ply over 1 7/8" decking supported by glulam beams. The roof is supported by concrete columns and the original steel columns. There are partial height CMU walls on the north and west exterior walls.
Bldg. B1	1975	0	\$0	\$2,690,000	2	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Reinforced CMU Walls, Conc. CIP Walls	RM1, W2	Reinforced Masonry Bearing Walls (Flexible Diaphragms), Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Non-orthogonal System Reentrant Corners Seismic Separation (< 1%) Inadequate In-Plane Shear No Diaphragm-Wall Connection Discontinuous Cross Ties	there is no continuous load path from roof diaphragm to CMU shear walls in South & West wall of south section and south skewed wall and clerestories of north section updated in 2020 typ. Exception noted in 'misc. load path issue' no gap to original structure North section may still not meet ASCE 41 load levels updated in 2020 typ. Exception noted in 'misc. load path issue' Roof chord is discontinuous at steps in roof	1975 classroom addition to west side of the original building. Roof-only retrofit in 2020. Any seismic upgrades in 2024 were primarily in response to remodel scope & aren't necessarily expected to improve overall seismic performance significantly. Upgrades/changes include (N) ply shear walls added to the south section plus new shear walls at roof steps. In the north section, (N) CMU walls added and (E) CMU walls strengthened (vertical bars added each end).

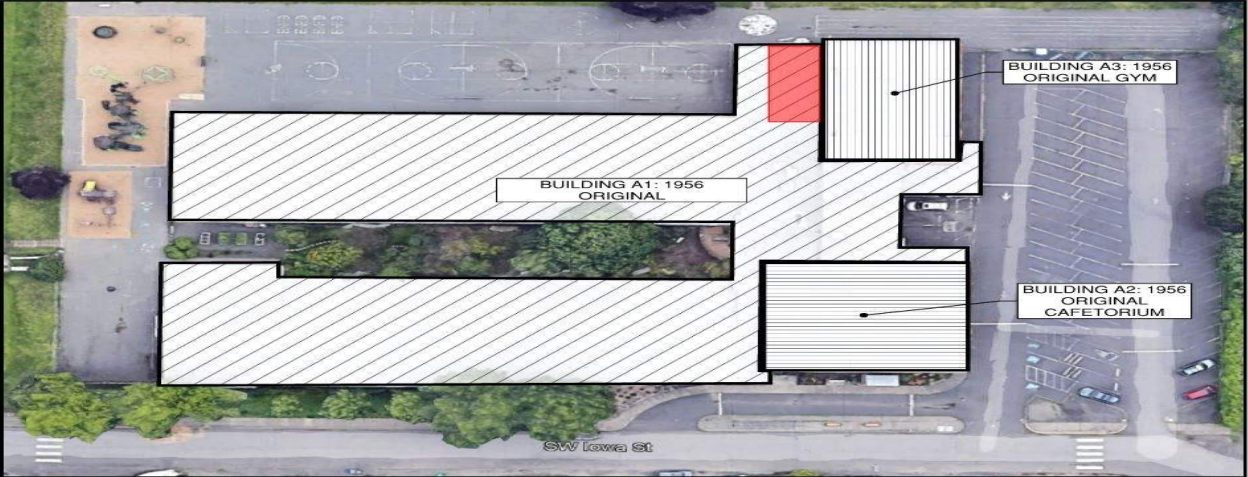
Bldg. B2	1987	0	\$0	\$555,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists, Wood Joists	Reinforced CMU Walls, Wood Framed Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Non-orthogonal System No Diaphragm-Wall Connection		Addition to east side west side of 1975 addition (north end)

[illegible]

Select school from pull down menu:		Hayhurst
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$520,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$5,147,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Hayhurst

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1956	1300	\$520,000	\$4,270,000	1	Partial	No	Approximately Complete Original Documents	Wood Beams, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Inadequate In-Plane Shear Masonry Partition Walls Heavy Cladding System URM Chimneys	Let-in braces at interior walls HCT partitions at locker rooms Brick veneer at main entry and locker rooms	

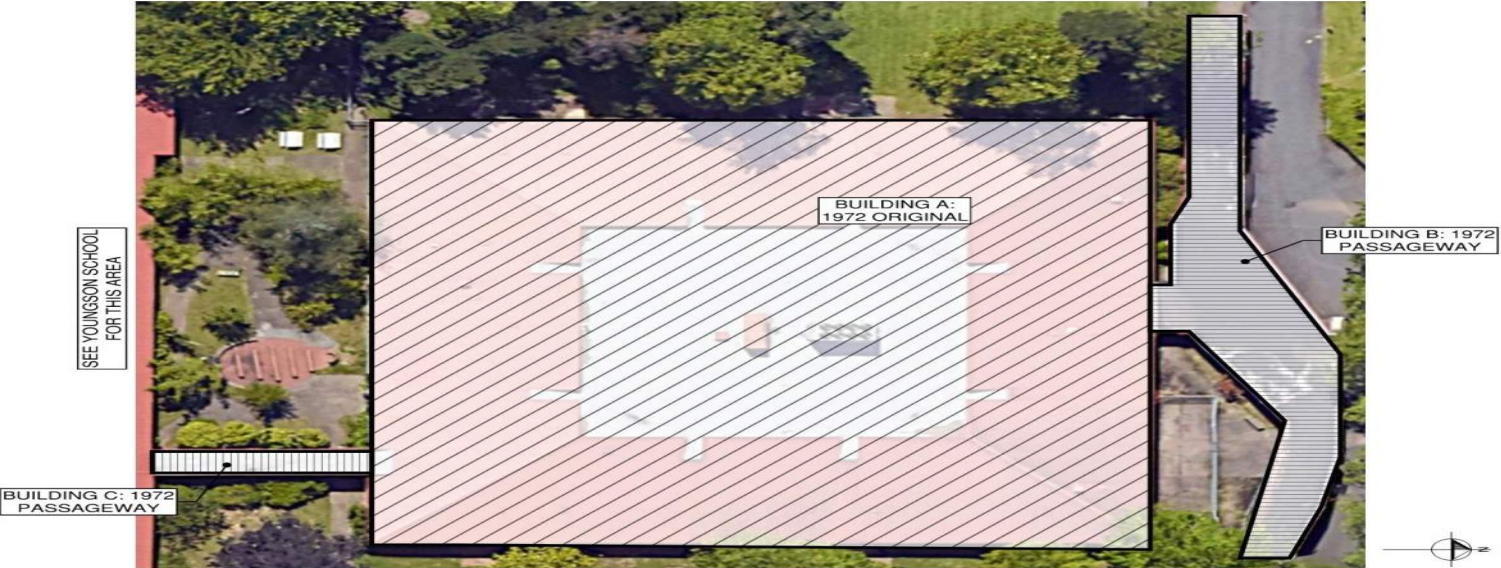
Bldg. A2	1956	0	\$0	\$662,500	1	None	No	Approximately Complete Original Documents	Wood Beams	CIP Concrete Bearing Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	No Diaphragm-Wall Connection Diagonal Sheathing (4:1, 40') Heavy Cladding System	Could not observe. Retrofit observed in other locations. Brick Veneer	May have been retrofit with other connections.
Bldg. A3	1956	0	\$0	\$215,000	1	None	No	Approximately Complete Original Documents	Wood Beams	CIP Concrete Bearing Walls, Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Under-Reinforced Walls Diagonal Sheathing (4:1, 40') Heavy Cladding System	Brick Veneer	

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Select school from pull down menu:		Holladay Center
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$5,610,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Holladay Center

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1972	0	\$0	\$5,355,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Concrete Columns, Concrete Tilt-up Walls	PC1	Precast or Tilt-up Concrete Shear Walls (Flexible Diaphragm)	Inadequate Foundation Ties Unbraced Mezzanine Split Levels Walls Spaced Far Apart Under-Reinforced Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate wall chord detailing No opening reinforcement	mezzanine not torsionally braced mezzanine	2018 - partial reroof somewhere on this campus (drawings not available)

Bldg. B	1972	0	\$0	\$210,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Concrete Columns	Non-compliant	Cantilevered concrete columns	High Landslide Susceptibility (DOGAMI State Overview) Seismic Separation (< 1%) Inadequate Column Shear Capacity Inadequate Column-Foundation Fastening Inadequate Column-Bar Splices (35db, tied) Inadequate Column Ties (d/4, 8db at hinges)		
Bldg. C	1972	0	\$0	\$45,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Steel Columns	Non-compliant	None identified in drawings	Seismic Separation (< 1%) No lateral system detailed		

[illegible]

[illegible]

Select school from pull down menu:		Hollyrood (Beverly Cleary)
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$1,695,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Hollyrood (Beverly Cleary)

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1958	0	\$0	\$1,540,000	1	Partial	No	Approximately Complete Original Documents	Tectum, Steel Truss	Steel Columns, CFS Walls	CFS2	Strap-Braced Wall System	URM Chimneys Inadequate axial capacity in braces No Diaphragm-Frame Connection No Diaphragm-Roof Framing Connection Strap Brace Axial Capacity Non-wood panel Diaphragms (2:1, 24') Other Diaphragms	check - 5/8" rod X-bracing unquantifiable load path from diaphragm to frame connection between tectum panels and roof bulbs unknown strap braces are typ approx 32' long tectum diaphragm	Original 1958 structure, plus 1964 modifications to enclose the covered play area to make addition classrooms (matches original construction LFRS & materials). LFRS is strap bracing in transverse direction and rod X bracing in longitudinal direction. Roof is comprised of tectum substrate between bulb-tee purlins supported by steel roof trusses.

Bldg. B	1998	0	\$0	\$155,000	1	None	No	Approximately Complete Original Documents	Steel Sheet, Steel Joists, Steel Beams	Steel Columns	S3	Metal Building Frames	Inadequate Foundation Ties Misc. Plan Irregularity Inadequate Moment-Resisting Connections (non-ductile) Non-Compact Frame Members	Check. No information on foundations was provided. Possible stiffness incompatibility - moment frames will be significantly stiffer than cantilevered columns check metal frame building likely to have compact frame members	Covered play constructed circa 1998. Steel moment frame in transverse (east/west) direction. Cantilevered columns in longitudinal (north/south direction).

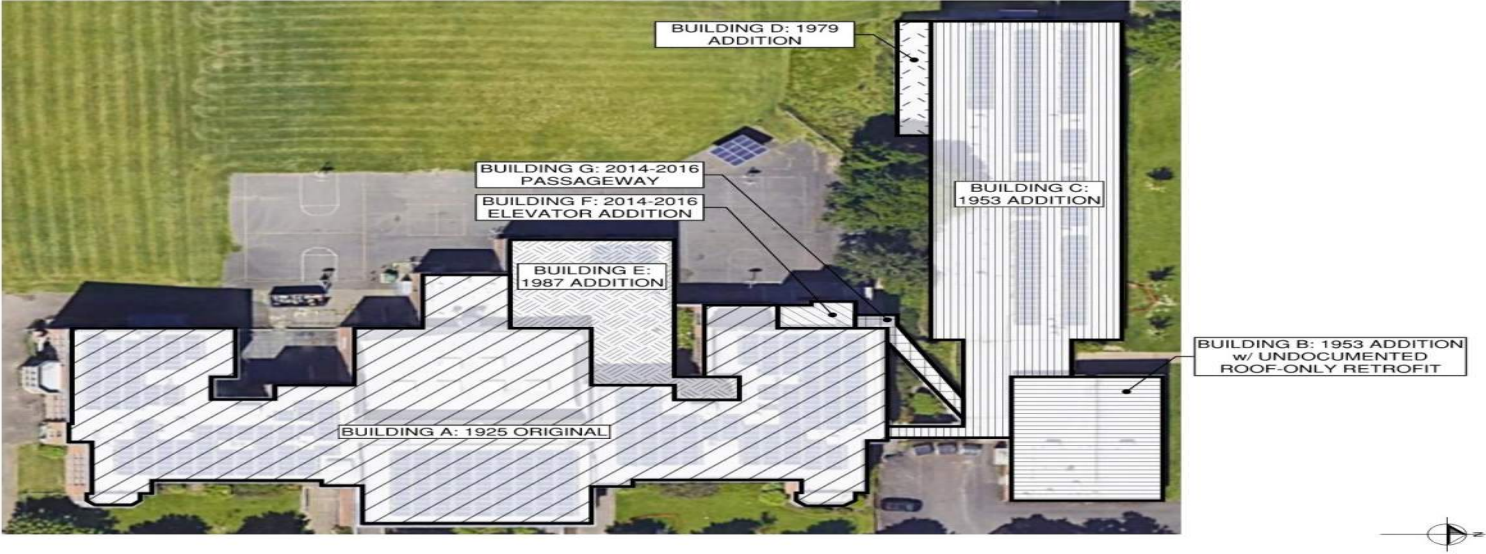
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Select school from pull down menu:		Hosford
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$18,620,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Hosford

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1925	0	\$0	\$14,850,000	2	Crawlspace	No	Insufficient Original Documents	Concrete 1-way Slab, Concrete Beams, Wood Trusses, Steel Truss	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Reentrant Corners Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility		Drawing scan of extremely poor quality and very difficult to read Gym Truss added in 1987

Bldg. B	1953	0	\$0	\$645,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams, Concrete Beams	Reinforced Brick Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Non-redundant (< 2 bays in < 2 lines) Walls Spaced Far Apart Under-Reinforced Walls No Diaphragm-Wall Connection No Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	shear key only	Partial roof level retrofit observed (drawings not available, approximate year unknown)
Bldg. C	1953	0	\$0	\$2,580,000	1	Partial, Daylight	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams, Concrete 2-way Slab	Timber Frame, Concrete Columns, Conc. CIP Walls	W2, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Very High Liquefaction Potential (DOGAMI) Torsional Irregularity Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24') Under-Reinforced Walls Deflection Compatibility Diaphragm Reinforcement at Openings	West End large cantilever at walkout basement inadequate attachment to parts A & B Large opening added in 2011	W2 at first floor, C2 at daylight basement Recommend monitoring possible settlement at south end
Bldg. D	1979	0	\$0	\$75,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, CFS Joists	CFS Walls	CFS2	Strap-Braced Wall System	Basic Deficiencies Very High Liquefaction Potential (DOGAMI) Misc. Plan Irregularity No Post-Foundation Connections No Floor-to-Floor Connections (Shear and OT) Strap Brace Axial Capacity Strap Brace Chord Axial Capacity	Local areas, recommend geotechnical investigation not laterally supported at bldg joint	

Bldg. E	1987	0	\$0	\$470,000	1	None	No	Approximately Complete Original Documents	Steel Sheet Deck, Steel Joists, Concrete Beams	Reinforced CMU Walls, Reinforced Brick Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Seismic Separation (< 1%) Heavy Cladding System Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Discontinuous Cross Ties	attached to part A	
Bldg. F	2014	0	\$0	\$0	2	None	No	None	unknown	unknown	unknown	-			Appears to be a benchmark building
Bldg. G	2014	0	\$0	\$0	1	None	No	None	Steel Sheet Deck, Steel Beams	Steel Columns	S1a	Steel Moment Frames (Flexible Diaphragm)			Appears to be a benchmark building

[illegible]

Select school from pull down menu:		Humboldt
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$5,780,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Humboldt

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1959	0	\$0	\$3,540,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Reinforced CMU Walls, Timber Frame	RM1, C2a	Reinforced Masonry Bearing Walls (Flexible Diaphragms), Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Reentrant Corners Masonry Partition Walls URM Chimneys Under-Reinforced Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	to multipurpose room East wall (entry) and west wall (to 1980 addition) are 4" conc. block + veneer Minimal vert. reinf. Horiz. Is trussed web wall reinf every 2nd course Detail H/S-4 shows cross grain bending of Glulam for in-plane Likely inadequate Dowels continue to foundation (E/S-6) but minimal reinforcement	1959 Original Building. Very lightly reinforced CMU walls, typ. Conc walls where an addition was planned (future multipurpose room).

Bldg. A2	1966	0	\$0	\$1,650,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Beams, Wood Joists	Unreinforced CMU Walls, Timber Frame	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Reentrant Corners Masonry Partition Walls Heavy Cladding System Under-Reinforced Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Wall-Foundation Connection Discontinuous Cross Ties Unblocked Diaphragms (4:1, 40')	check adequacy 6" CMU in locker room area may be unreinforced brick veneer vertical wall anchorage seems to only at columns isolated location. See section D/8 check adequacy walls dowelled into foundation stem but not base	1966 Addition to south east end of building. Multipurpose room, lockers, library & special ed.
Bldg. A3	1966/1980	0	\$0	\$280,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams, Wood Plywood/OSB, Wood Joists	Reinforced CMU Walls, Steel Columns	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Inadequate In-Plane Shear Under-Reinforced Walls Wood Ledgers loaded across grain Discontinuous Cross Ties Straight Sheathing (2:1, 24')	connection between (N) corridor walls and (E) walls is unclear east wall (URM) doesn't appear to be adequately tied to diaphragm to act as a shear wall East wall to original portion is 4" conc block & brick 8" thick w/ #4 @ 48" o.c. H&V, p=0.0005 Glulam beam	Originally a covered play area constructed in 1966. Enclosed as classrooms in 1980 w/ addition of toilets to west end.
Bldg. A4	1990	0	\$0	\$0	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Beams, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			1990 Additions - Wood-framed. Benchmark.

Bldg. B	1960s	0	\$0	\$142,500	1	Crawlspace	No	None	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear No Girder-Column Connections Roof Chord Discontinuity	check check check	Portable classroom installed in the 1960s. No drawings were available. Assume issues typical of portable buildings of this era.
Bldg. C	1977	0	\$0	\$25,000	1	None	No	None	Wood Plywood/OSB, Wood Beams, Wood Truss	Timber Frame	N/C	Cantilevered Wood Posts	Post Capacity Foundation Capacity		Play structure constructed circa 1977. No drawings available.
Bldg. D	1987	0	\$0	\$142,500	1	Crawlspace	No	Insufficient Original Documents	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Portable classroom building moved to Humboldt circa 1987. Drawings for foundation only. No drawings for superstructure.

[illegible]

Select school from pull down menu:		Ida B Wells
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



trofit/Relocation in Progre

Building Year Plan:
(see below for deficiencies)

Holmes

2024 Assessment Summary: Ida B Wells

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

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Select school from pull down menu:		Irvington
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$16,255,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Irvington

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1932	0	\$0	\$15,225,000	2	Partial, Daylight	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan- Joists, Steel Beams, Steel Truss	Concrete Columns, Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Masonry Partition Walls Masonry ceiling Concrete Parapets exceed 2.5:1 Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings	some improved in 2002 thin slabs	1986 - Auditorium floor raised 2002 - Partial seismic bracing

Bldg. B1	1951	0	\$0	\$345,000	2	None	No	Approximately Complete Original Documents	Concrete Pan-Joists	Conc. CIP Walls, Steel Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	Inadequate tie to part A thin slab	
Bldg. B2	1952	0	\$0	\$345,000	2	None	No	Approximately Complete Original Documents	Concrete Pan-Joists	Conc. CIP Walls, Steel Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	Inadequate tie to part A thin slab	Recommend further investigation of sagging second floor in NW addition
Bldg. C1	1966	0	\$0	\$45,000	1	None	No	Insufficient Original Documents	Steel Sheet Deck, Steel Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Seismic Separation (< 1%)	Inadequate tie to part A	Full supported by part A

Bldg. C2	1966	0	\$0	\$45,000	1	None	No	Insufficient Original Documents	Steel Sheet Deck, Steel Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Seismic Separation (< 1%)	Inadequate tie to part A	Full supported by part A Construction assumed to match C1 in lieu of structural drawings or further exploration
Bldg. D	1970	0	\$0	\$250,000	0	0	0	None	Wood Plywood/OSB, Wood Truss-Joists, Wood Beams	Timber Frame	Non-compliant	Cantilevered Wood Posts	Post Capacity Foundation Capacity		

[illegible]



Portland Public Schools District Assessments

Portland Public Schools (PPS)
501 N Dixon St Portland, OR 97227

2024 PPS Seismic Assessments All Schools

Version 1.0
5/15/2024

INTRODUCTION

Holmes was engaged by Portland Public Schools (PPS) in 2023 to update the seismic assessment information for each school campus within the district to aid in planning of future projects and bond funding. The assessment included 80 total sites and only buildings that have not been the target of an in progress retrofit or a recently completed retrofit. Unreinforced Masonry (URM) buildings were broken out due to their relatively high risk in order to be prioritized, which includes 23 sites on the provided URM List and 6 potential additional sites. The data provided by Holmes includes seismic vulnerabilities, estimated construction costs, and incorporating district provided information such as Title 1 designated schools. This report provides a high-level information on each target building as well as a portfolio-level summary.

PROJECT OVERVIEW

ASSESSMENT DESCRIPTION

The following steps were performed for each school building:

1. Review available existing building documentation.
2. Develop a Building Year Plan based on available drawings and/or historic aerial views. Identify unreinforced masonry (URM) construction on Plan and approximate square footage of URM areas, where occurs.
3. Develop a list of potential deficiencies. The deficiencies list is informed by the ASCE 41 Tier 1 structural checklists for each building type, but are not entirely comprehensive of the Tier 1 methodology.
4. Perform a site walk to confirm building configurations and identify visible deficiencies and site characteristics.
5. Compile information and develop an engineer’s rough order of magnitude (ROM) pricing. Pricing is summarized by URM-only retrofit as well as the complete ROM retrofit for all buildings on the campus.

The assessments utilized FEMA Rapid Visual Screening, ASCE 41 Tier 1 checklists, and Holmes’ experience with similar building types as a guideline to identify deficiencies. However, these assessments were not a full ASCE 41 Tier 1 assessment and all deficiencies require further analysis and verification to follow the ASCE 41 methodology. Identification of non-structural deficiencies is outside the scope of this study, however non-structural deficiencies which may pose a life-safety hazard (i.e. parapets, masonry chimneys, interior unreinforced masonry walls) were noted in our assessments. See diagram below for more information on typical levels of seismic assessments compared to the level of assessment completed for this project.

Types of Common Seismic Assessments			Typical Use	
Scope of This Study	LEVEL OF DETAIL (LOW TO HIGH)	FEMA Rapid Visual Screening	Rapid assessment of global seismic vulnerabilities based on visual inspection; provides single score to inform further analysis; requires further evaluation by a design professional to confirm outcomes.	Early stages of pre-planning and vulnerability analysis. Informs prioritization and investment of more effort.
		ASCE 41 Tier 1	Building evaluation that focusses on identifying potential deficiencies in existing buildings based on the performance of similar buildings in past earthquakes. The systematic procedure evaluates the entire building in a rigorous manner using checklists and select calculations.	Used to identify primary structural deficiencies and categorize building types. Useful in determining ROM pricing based on retrofits of similar building types.
		ASCE 41 Tier 2	Deficiency-based retrofit design intended for confirmation of Tier 1 results and voluntary retrofits. First step that does building specific analysis.	Often used for Schematic Retrofit Design, SRGP Applications, or retrofit of simple buildings.
		ASCE 41 Tier 3	Complete structural analysis and retrofit design. Approach required for all building code mandated retrofits.	To be performed during a complete seismic upgrade of a building.

We have assessed and compiled the results for all PPS schools, excluding the following

- Schools currently under design through Modernizations & New Construction
- Schools with complete or near complete recent seismic upgrade
- Schools recently constructed. Individual buildings that comply with the ASCE 41 Chapter 3 design years for Benchmark Buildings are also omitted from the assessment and retrofit costs, and are noted as such in the summary.

PRICING NOTES

Pricing has been calculated using a ROM (rough order of magnitude) \$/SF cost for each building part. The costs are an engineer's estimate based on Holmes' experience with similar projects and only intended for initial budgeting purposes. All costs should be verified by an experience cost estimator. URM-Only pricing provided is intended to give an approximate cost estimate to perform a localized URM-Only retrofit. This price is accompanied by the approximate cost to retrofit all buildings on the campus. The square footage noted is an approximate boundary for each building part to be retrofitted, and has been scaled off existing documentation available.

The cost is reflective of the following:

- Estimates are based on representative cost estimates provided in the last year (+/-) from schematic design retrofit pricing of similar buildings and/or building parts and is a ROUGH order of magnitude price. Appropriate contingencies and escalation should be applied.
- URM-Only retrofits are for seismic upgrades within the URM area indicated in the Building Year Plan. While the retrofit will be considered partial (localized only) it is intended to mitigate URM deficiencies as well as align with the scope associated with a full seismic upgrade for that building part. For example, in addition to bracing of URM walls in the URM-Area-Only, the cost would include items such as re-roof, secondary gravity support, and foundation strengthening that would otherwise be required as part of a complete seismic upgrade, to avoid remobilization and demolition in the URM area.
- Estimates include consideration of demolition and repair of architectural finishes as required to complete the structural work, per the representative cost estimates provided.
- Estimates include consideration for MEP and architectural upgrades required (per the representative cost estimates provided) as part of the seismic upgrade, in order to mitigate remobilization in this area in the event of a future complete seismic upgrade, though these items have not been assessed as part of this scope.
- Soft costs such as engineering, construction management, and relocation are excluded.

ACCESSING & INTERPRETING THE RESULTS

Please note the following Tabs:

- Single School Summary: Select a school from the drop-down list to filter by school. This will populate the building year plan and view the assessment summary of a single school.
- All Schools Budget Summary: Table of ROM retrofit costs for all PPS campuses (URM-only and full campus)
- Seismic Data All PPS: Compiled list of all assessments performed to date and related project data

See below for definitions of headers in the spreadsheets.

Name	Definition
Building Year Plan	Overall plan (mapped view) of the campus with hatched Areas to distinguish between construction era and types.
Building Part	Building Part (i.e. A1, A2, B, etc.). The campuses are divided by Building Parts as defined by the Building Year Plan. Letter designations are assigned for buildings of similar year and construction type, and the secondary number is used to distinguish between multiple buildings/areas of similar construction type.
Year Built	Approximate year per existing drawings. Building year estimates were attained from historic aerial views where drawings are not available.
URM (SF)	Unreinforced Masonry (URM) square footage (SF) within the Area noted in the Building Year Plan. Relates to the general square footage of URM and is not necessarily the total area of the building, but rather the area assumed to be retrofitted should a partial retrofit be undertaken. See also building year plan; approximate URM areas are designated by red highlights.
ROM \$/SF	Rough Order of Magnitude (ROM) pricing in dollars per square foot of floor area. See above for more information on ROM pricing inclusions and exclusions. This value is adjusted for each Building Part and is multiplied by the gross square footage of that part on the Seismic Data All PPS tab. The resulting value is shown on the Single School Summary.
ROM URM Only Retrofit	Total ROM cost of URM only retrofit in these areas. See above for inclusions and exclusions in the ROM estimate. The URM only retrofit is based on the URM (SF) as defined above.
ROM Total Retrofit	Total ROM cost of retrofit for all buildings on the campus, including URM areas/buildings where occurs. See above for more information on ROM pricing inclusions and exclusions.
No. of Stories	Number of occupied stories, does not include roof level. See comments where stories are partial.
Basement	Designated as none, full, partial, or crawl space
Penthouse	Above roof penthouse structure noted where occurs
Drawings Referenced	<i>Approximately Complete Existing Drawings:</i> drawings for all or most Building Parts are available and have detailing sufficient to identify primary building materials and typical details. <i>Insufficient Existing Drawings:</i> Drawings are incomplete or lack information critical to the assessment. <i>None:</i> No drawings available. Building information attained from rapid visual observations during the site walk and assessments are primarily made based on buildings of similar year/type.
Structural Horizontal Gravity System(s)	Describes structural floor and roof elements within the Building Part's roof and suspended floors (where applicable), such as sheathing, slabs, beams, joists, etc. that support gravity loads.
Structural Vertical Gravity System(s)	Describes structural elements within the Building Part such as columns and walls that support gravity loads.
Lateral System (ASCE Designation)	ASCE 41 Lateral Force Designation. Each typical designation has a unique deficiency checklist. It is common for older buildings to have multiple designations within a single area. <i>Example: C1a</i>
Lateral System (Description)	Description of ASCE 41 designation. <i>Example: C1a refers to Concrete Reinforced Shear Walls w/ Flexible Diaphragms</i>
Likely Deficiencies	List of likely seismic deficiencies. See above for additional information on how deficiencies are identified.
Deficiency Notes	Clarification or additional notes on seismic deficiencies. These notes often align with the likely deficiency and should be read from the previous column left-to-right.
Additional Notes	To note any unique items, unclear existing conditions, or identify localized URM. <i>Example: URM in Boiler Room only</i>

		Jackson
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$30,170,000	See cover page notes for explanation of ROM cost

Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Jackson

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1964	0	\$0	\$14,220,000	2	Partial	No	Approximately Complete Original Documents	Concrete Waffle Slab, Concrete Pan-Joists, Concrete Beams, Precast/stressed Concrete 1-way Slab	Concrete Columns, Conc. CIP Walls, Concrete Tilt-up Walls	PC1a	Precast or Tilt-up Concrete Shear Walls (Stiff Diaphragm)	Inadequate Wall Anchorage Split Levels Reentrant Corners Masonry Partition Walls Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Thin Walls (>1:40, 4 in) No Diaphragm-Wall Connection Inadequate Girder-Wall/Pilaster Connections No Wall-Foundation Connection Deflection Compatibility at rigid diaphragms Diaphragm Reinforcement at Openings Inadequate wall chord detailing		It appears SW portions were never constructed 2019 - Partial roof-only strengthening reported by PPS at this campus (no drawings available) Walls are poorly documented - an investigative program will be required prior to retrofit

2024 Assessment Summary: Jackson

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. B	1970	0	\$0	\$14,385,000	3	Partial	No	Approximately Complete Original Documents	Steel Sheet Deck, Steel Beams, Concrete Waffle Slab, Concrete Pan- Joists, Concrete Beams	Steel Columns, Concrete Columns, Conc. CIP Walls, Concrete Tilt-up Walls	PC1, PC1a	Precast or Tilt-up Concrete Shear Walls (Stiff & Flexible Diaphragm)	Inadequate Wall Anchorage Split Levels Reentrant Corners Misc. Plan Irregularity Masonry Partition Walls URM Chimneys Other observed nonstructural falling hazard Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Thin Walls (>1:40, 4 in) No Diaphragm-Wall Connection Inadequate Girder-Wall/Pilaster Connections No Wall-Foundation Connection Deflection Compatibility at rigid diaphragms Diaphragm Reinforcement at Openings Discontinuous Cross Ties Inadequate wall chord detailing	Floor steps, diaphragm is cantilevered North of Auditorium gym bleachers	
Bldg. C	1970	0	\$0	\$1,250,000	1	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams	Concrete Columns	C1	Concrete Moment Frames	Non-orthogonal System Seismic Separation (< 1%) Inadequate Column Capacity Inadequate Column Shear Capacity Strong Column - Weak Beam Issue Inadequate Column-Foundation Fastening Inadequate Column-Bar Splices (35db, tied) Inadequate Column Ties (d/4, 8db at hinges) Discontinuous Beam Bars Inadequate Beam-Bar Splices (none in l/4) Inadequate Beam Stirrups (d/2, 8db at hinges) Inadequate Joint Ties (8db) Inadequate floor panel attachment	adjacent to parts A & B	
Bldg. D	1970	0	\$0	\$315,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Beams	Concrete Tilt-up Walls	PC1	Precast or Tilt-up Concrete Shear Walls (Flexible Diaphragm)	No Wall-Foundation Connection Discontinuous Cross Ties Inadequate wall chord detailing		2009 - Partial roof-only seismic retrofit

Select school from pull down menu:		James John
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,020,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$18,000,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: James John

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1929	100	\$60,000	\$16,135,000	2	Crawlspace, Partial	No	Approximately Complete Original Documents	Concrete Pan- Joists, Concrete Beams, Steel Trusses	Unreinforced Brick Walls, Reinforced Concrete Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Reentrant Corners Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Beams, Girders, or Trusses bear on URM wall/pilaster Thin Walls (9 top, 15 first, 13 other/single) Masonry Partition Walls URM Parapets exceed 1.5:1 Heavy Cladding System Other observed nonstructural falling hazard	Reinforcing not adequate throughout Concrete deck to walls Lack of continuous full-height concrete wall sections in north-south direction Wire mesh reinforcement only Concrete walls to foundations unknown from drawings and site visit. Large openings, retrofit 2014 HCT partition walls throughout, HCT cavity walls parapets were braced during 2014 seismic retrofit Brick veneer Large concrete cornices	After 2014 Seismic Retrofit, it appears there is still URM present at west entry-way. Unable to confirm presence of this URM on site. Tectum is present in the gym, structural diaphragm is deficient concrete pan joists.

Bldg. B	1943	0	\$0	\$680,000	1	Crawlspace	No	Insufficient Original Documents	Wood Joists, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24') Unblocked Diaphragms (4:1, 40')	T&G decking	
Bldg. C	1955	1600	\$960,000	\$960,000	1	None	No	Approximately Complete Original Documents	Steel Truss	Unreinforced CMU Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Seismic Separation (< 1%) Beams, Girders, or Trusses bear on URM wall/pilaster Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear No Diaphragm-Wall Connection Masonry Partition Walls	Concrete Blocks not tied to foundation Seismic gap dimension is unknown Large exterior openings	A 2014 seismic retrofit addressed URM in the adjacent cafeteria. Unreinforced concrete block bearing walls potentially still present on exterior south cafeteria wall. Further exploratory investigation required.
Bldg. D	1970	0	\$0	\$225,000	1	None	No	None	Steel Truss, Wood Trusses	Wood Posts	W2	Cantilever Wood Posts	Post Capacity Foundation Capacity		

Bldg. E	2015	0	\$0	\$0	2	None	No	Approximately Complete Original Documents	Steel Beams	Steel Columns, Reinforced Concrete Walls	C2	Concrete Shear Walls (Stiff Diaphragms)		N/A	N/A	

[illegible]

Select school from pull down menu:		Jefferson
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



trofit/Relocation in Progre

Building Year Plan:
(see below for deficiencies)

Holmes															
2024 Assessment Summary: Jefferson															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Kellogg
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



Recently Replaced

Building Year Plan:
(see below for deficiencies)

Holmes

2024 Assessment Summary: Kellogg

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

Select school from pull down menu:		Kelly
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,925,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$8,745,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes
2024 Assessment Summary: Kelly

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1952	0	\$0	\$2,812,500	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Shtg, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Split Levels Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT)	Steps in roof None Roman brick veneer, attachment unknown Walls have dapped in wood bracing only	

Bldg. A2	1952	0	\$0	\$912,500	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Shtg, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) URM Chimneys Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT)	Clerestory windows Concrete walls at boiler room None Above boiler room Wall glazing not isolated for story drift Walls have dapped in wood bracing only
Bldg. A3	1952	2500	\$625,000	\$625,000	1	None	No	Approximately Complete Original Documents	Plywood/OSB Sheathing, Wood Joists, Wood Beams	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Vertical LRFS elements are offset Misc. Plan Irregularity Masonry Partition Walls Heavy Cladding System Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Cavity Wall Construction	Wood walls on roof arch are offset from brick walls (b)
Bldg. A4	1952	5200	\$1,300,000	\$1,300,000	1	None	No	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Large Diaphragm Openings Adj. Walls (25%, 8' at Ext.)	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Vertical LRFS elements are offset Heavy Cladding System Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Thin Walls (9 top, 15 first, 13 other/single)	

Bldg. B1	1958	0	\$0	\$410,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Split Levels Reentrant Corners Misc. Plan Irregularity Heavy Cladding System Inadequate In-Plane Shear		
Bldg. B2	1964	0	\$0	\$410,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Split Levels Reentrant Corners Misc. Plan Irregularity Heavy Cladding System Inadequate In-Plane Shear		
Bldg. C	1969	0	\$0	\$180,000	1	None	No	Approximately Complete Original Documents	Plywood/OSB Sheathing, Wood Trusses, Wood Beams	Conc. CIP Walls, Reinforced Brick Walls, Steel Columns	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Overturning Deep Spandrels/Narrow Piers (50%, interfering walls) Walls Spaced Far Apart Under-Reinforced Walls Unblocked Diaphragms (4:1, 40') Under-Reinforced Walls	Slender piers on three sides 40' span, 30' between walls	

Bldg. D	1969	0	\$0	\$1,875,000	1	None	No	Approximately Complete Original Documents	Plywood/OSB Sheathing, Wood Trusses	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Wall Anchorage Reentrant Corners Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Inadequate Wood Sill-Foundation Connections (6 ft)	OT only Brick wing walls at egress E/W walls E/W walls	
Bldg. E	1969	0	\$0	\$220,000	1	None	No	Approximately Complete Original Documents	Plywood/OSB Sheathing, Wood T+G Plank, Steel Joists	Reinforced CMU Walls, Conc. CIP Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Reinforcement Provided at Wall Openings Under-Reinforced Walls	Bond beams are offset from walls below Roof trusses anchorage to exterior walls likely inadequate for building drift	

Select school from pull down menu:		Kenton
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,183,750	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Kenton

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1913/1922	0	\$0	\$9,325,000	2	Full	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Concrete Pan-Joists	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	no gap to walkways Clay tile interior walls around class rooms typical per original plans. brick veneer Ornamentation at main entrance. Check anchorage. Conc. shear wall added to south wall in 2000. Check overall adequacy 12" exterior walls typ. 1/2" rods 12" c.c. horiz and 24" c.c. vert. inadequate Section A-A (pg 17) appears to be missing a bent dowel between slab and wall Information on wall-foundation connection not found during brief drawing review. Interior columns may not have adequate flexural strength. Check.	Original structure. Exterior walls are concrete with brick masonry veneer. First and second floor are compromised of a concrete pan-joist system and the roof is comprised of beams supporting 1-way slabs. The design/construction timeline is somewhat unclear, but it seems that a central portion and two wings were designed at the same time (circa 1913). The central portion (aka first unit) was constructed around the time of design and the north portion (aka second unit) was constructed circa 1922. The south portion, which was intended to be a mirror of the north portion was never constructed. A new reinf. conc. shear wall constructed on south wall circa 2000.

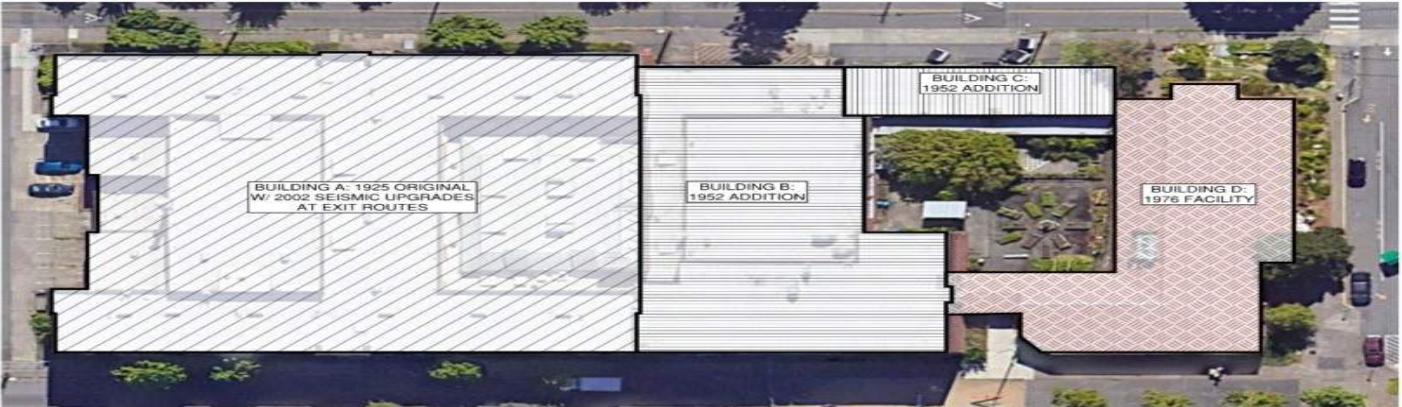
Bldg. B1	1928	0	\$0	\$2,375,000	1	Crawlspace, Partial	No	Approximately Complete Original Documents	Concrete 1-way Slab, Steel Beams, Steel Truss	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Overturning Seismic Separation (< 1%) Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System URM Appendages over Exitway Other observed nonstructural falling hazard Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	Mild steel truss with rivets. Check connections. Steel elements typically cast into wall. Check capacity. to walkways & portico walkways no gap to original building hollow tile walls around foyer, projection room and behind stage Height ~ 2.5 ft. thickness = 8", h/t=3.75 brick veneer terra cotta cornices & coping. Check anchorage soffit at auditorium entrance East/west (short direction) typical and north/south direction walkways. Several walls appear to lack vertical reinforcement and have minimal horizontal reinforcement	Non-ductile concrete shear wall building. Primarily the gym and cafeteria. Roof is comprised of 3" slab supported by concreted encased steel wide flange purlins which are supported by steel trusses. Hollow clay tile bearing walls support concrete walls between stage and gymnasium.
Bldg. B2	1954	0	\$0	\$240,000	1	Crawlspace	No	Approximately Complete Original Documents	Metal deck w/ conc fill, Steel Joists	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Reentrant Corners Masonry Partition Walls Heavy Cladding System Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection	check connection between new and existing wall Check. hollow tile walls brick veneer NG: 8" thick w/ #4 @ 18" o.c. e.w., p=0.0014 check first floor slab check	Addition to north end of B1 in 1954. Roof is corrugated steel with 2" lightweight concrete slab supported on steel joists. Crawlspace under north section only.
Bldg. C	pre 1950	0	\$0	\$93,750	1	Crawlspace	No	None	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Roof Chord Discontinuity Straight Sheathing (2:1, 24')	analysis required analysis required analysis required	Portable classroom. Re-roof in 2002. Drawings not provided, so seismic scope (if any) is unknown.

Bldg. D	pre 1950	0	\$0	\$75,000	1	Crawlspace	No	None	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Roof Chord Discontinuity Straight Sheathing (2:1, 24')	analysis required analysis required analysis required	Portable classroom. No drawings available. On earliest (1951) viewed ariel photo of location.
Bldg. E	pre 1950	0	\$0	\$75,000	1	Crawlspace	No	None	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Roof Chord Discontinuity Straight Sheathing (2:1, 24')	analysis required analysis required analysis required	Portable classroom. No drawings available. On earliest (1951) viewed ariel photo of location.

Select school from pull down menu:		King
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$21,200,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: King

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1925	0	\$0	\$16,375,000	2	Partial, Crawlspace	No	Approximately Complete Original Documents	Concrete Pan- Joists, Steel Truss, Concrete 1-way Slab	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls URM Parapets exceed 1.5:1 Concrete Parapets exceed 2.5:1 Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	no gap Locations not over exit doors only All locations Brick veneer Unbraced suspended plaster ceilings Analysis required Beam reinforcement not well confined with stirrups	1925 Original Structure by Jones. Classroom wings are 2-stories and 'H'-shaped. Double-height single story portions fill in the top and bottom of the 'H' - auditorium to the north and gym to the south. Partial seismic upgrade was undertaken in 2002 to protect egress paths, included (1) bracing hollow clay tiles corridor walls, (2) bracing URM parapets over exit doors, and (2) bracing the URM chimney.

Bldg. B	1952	0	\$0	\$3,585,000	2	Crawlspace	No	Insufficient Original Documents	Concrete Pan-Joists, Steel Sheet, Steel Joists	Conc. CIP Walls	C2, C2a	Concrete Shear Walls (Stiff Diaphragms), Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility No Diaphragm-Wall In-Plane Connection	Check cafetorium roof no gap to 1974 structure brick veneer Check - south wall of cafeteria is highly perforated Check - connection detailing for wall to pan-joint system is unknown Reinforcing steel does not extend into foundation base Check - columns have widely spaced ties Check - steel joists are pocketed into concrete wall	Addition to south constructed in 1952. Only Architectural and S1 (foundation plan) available. Building height varies. Western classroom portion is 2 stories w/concrete pan joist floors & roof. Cafeteria is single story w/ nearly double height walls & a roof of metal deck on long span steel joists. Northern corridor & eastern kitchen area are single story w/ concrete pan joist roof.
Bldg. C	1952	0	\$0	\$290,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Reentrant Corners Misc. Plan Irregularity Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	Foundation doesn't have positive connection between stem and base Adjacent structure is RC. May have deflection compatibility issues. no gap to 1974 structure Brick veneer Check - roof detailing is unknown Check - roof detailing is unknown, but spans >40'	Kindergarten classrooms (which are located in the southeast wing of the 1952 addition) are timber framed. Only Architectural and S1 (foundation plan) available.
Bldg. D	1974	0	\$0	\$950,000	1	None	0	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	at roof no gap to existing structure brick veneer	Community center constructed in 1976

Select school from pull down menu:		Lane
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$17,940,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Lane

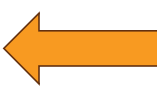
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1926	0	\$0	\$12,400,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Steel Truss, Concrete Beams	Concrete Columns, Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Torsional Irregularity Masonry Partition Walls URM Parapets exceed 1.5:1 Concrete Parapets exceed 2.5:1 Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Footings req'd below '01 shear walls No shear walls at north end Local areas braced in '01 & '09 thin slabs	1988 - Local areas renovated 2001 - partial seismic upgrade 2014 - partial bracing upgrade

Bldg. B	1948	0	\$0	\$460,000	1	None	Yes	Insufficient Original Documents	Wood Plywood/OSB, Wood T+G Plank, Steel Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection		2009 - partial roof-only seismic upgrade
Bldg. C	1948	0	\$0	\$870,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Battens, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity		
Bldg. D	1955	0	\$0	\$880,000	1	None	No	Approximately Complete Original Documents	Concrete on Metal Deck, Concrete 1-way Slab, Steel Truss, Steel Beams	Concrete Tilt-up Walls, Reinforced Brick Walls	PC1a, RM2	Precast or Tilt-up Concrete Shear Walls & Reinforced Masonry Bearing Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Heavy Cladding System Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection No Wall-Foundation Connection Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection No Wall-Foundation Connection Inadequate wall chord detailing	adjacent to part A Only keys	2009 - partial roof-only seismic upgrade

Bldg. E	1988	0	\$0	\$3,330,000	1	None	No	Approximately Complete Original Documents	Steel Sheet Deck, Steel Joists, Steel Beams	Reinforced CMU Walls, Concrete Columns	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Discontinuous Cross Ties	adjacent to A, C, D	

[illegible]

Select school from pull down menu:		Laurelhurst
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$13,332,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Laurelhurst

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1923	0	\$0	\$5,375,000	2	None	No	Approximately Complete Original Documents	Concrete Pan-Joists, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Appears chimney height has been reduced. Unknown time/scope of work brick veneer cast stone coping typ check	1923 classrooms + boiler room.

Bldg. A2	1923	0	\$0	\$3,000,000	1	Partial	No	Approximately Complete Original Documents	Wood T+G Plank, Steel Truss, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2, C2a	Concrete Shear Walls (Stiff Diaphragms), Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Masonry Partition Walls Heavy Cladding System Other observed nonstructural falling hazard Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Straight Sheathing (2:1, 24')	Check. Trusses supported on corbel w/ 2-3/4" anchor bolts per 1937 drawings brick veneer cast stone coping typ columns are reinforced bur walls appear to be unreinforced typ columns are dowelled 2x6 T&G sheathing per plan	1923 Original gym portion +adjacent single story portion. Gym roof has steel trusses and roofing appears to have been replaced in 2013 - it now has metal sheathing. Drawings were not available so seismic scope (if any) is unknown. Single-story portion has concrete beams with concrete slab.
Bldg. A3	1923	0	\$0	\$1,200,000	1	Partial	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Trusses, Wood Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Other observed nonstructural falling hazard Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection Straight Sheathing (2:1, 24')	Joists and trusses are anchored. Likely inadequate brick veneer cast stone coping typ walls appear to be unreinforced, typ. Motion picture booth is reinforced w/ 1/2" @ 12" o.c. stage floor walls appear to be unreinforced, typ. 2x6 'v' joint ceiling	1923 Original - Assembly room.
Bldg. A4	1925	0	\$0	\$3,075,000	2	None	No	Insufficient Original Documents	Concrete Pan-Joists, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Masonry Partition Walls Heavy Cladding System Other observed nonstructural falling hazard Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	brick veneer cast stone coping typ	1925 Addition to north side of building. Construction of south wall to playshed is unclear. 1923/1937 drawings indicate that the original 1923 wall was designed to accommodate an addition. However, the 1925 drawings for the addition suggest that the wall part adjacent to the playshed was reconstructed. The provided 1925 set did not include structural drawings or a section of this area.

Bldg. B	1951	0	\$0	\$540,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Wall Anchorage Heavy Cladding System Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Check roof-wall connection. Drawings not available brick veneer on east & west walls only check - drawings not available	1951 Classroom Building. Northeast of original building. Provided drawings were incomplete and did not include sections detailing wall/roof connections
Bldg. C	1968	0	\$0	\$142,500	1	None	No	Insufficient Original Documents	Wood Plywood/OSB	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Wall Anchorage Roof Chord Discontinuity	Check roof-wall connection. Drawings not available check	1968 portable classroom unit. Located east of 1951 classroom building. Appears to be two units adjacent to one another. Minimal information available - Roof repair in 2004 showed some details of roof framing.
Bldg. D	2009	0	\$0	\$0	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			2009 Portable Classrooms. Benchmark building.

Bldg. E	2018	0	\$0	\$0	1	None	No	None	Steel Sheet, Steel Beams	Steel Columns	S3	Metal Building Frames			Covered play circa 2018. Benchmark building

Select school from pull down menu:		Lee
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,905,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$6,881,125	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes
2024 Assessment Summary: Lee

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1952	5700	\$1,430,000	\$1,430,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Vertical LRFS elements are offset Heavy Cladding System Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Cavity Wall Construction No Diaphragm-Wall Connection Straight Sheathing (2:1, 24')	Doesn't appear to be a positive connection between foundation base and stem 2003 upgrade did not include OOP connection @ gym walls Wood walls on roof arch are offset from brick walls Rafters for hallway to west bear on URM Perimeter walls only b=8", h=10.583', h/b=15.9>13 Exterior walls appear to have cavity w/ ties only at the top Non-quantifiable load paths - no nailing info	Gym. Walls are unreinforced brick masonry (double leaf w/ cavity). Roof is comprised of large glulam arch. NOT part of 2003 re-roof/seismic strengthening project.

Bldg. A2	1952	0	\$0	\$830,000	1	None	Yes	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Unbraced Mezzanine Split Levels Misc. Plan Irregularity Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	West wall does not extent to diaphragm Doesn't appear to be a positive connection between foundation base and stem Mezz near stage & fan rooms Cafeteria roof & fan room floor/roof (Bldg A4) Possible stiffness incompatibility with conc. walls @ boiler room Walls have dapped in wood bracing only	Cafeteria w/ stage & area with fan room (penthouse). NOT part of 2003 re-roof/seismic strengthening project.
Bldg. A3	1952	1900	\$475,000	\$475,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Structural Glazed Tile Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Misc. Plan Irregularity Masonry Partition Walls Heavy Cladding System Thin Walls (9 top, 15 first, 13 other/single) No Diaphragm-Wall Connection Diagonal Sheathing (4:1, 40')	Doesn't appear to be a positive connection between foundation base and stem Stiffness incompatibility with timber framed portion of structure 6" glazed tile walls typ brick veneer b=6", h=10.583', h/b=21.2>13 Re-roof in 2003 - confirm adequate	Locker rooms. Glazed tile walls typ. Area was part of 2003 re-roof & partial seismic strengthening. However those plans do not have a glazed tile wall detail.
Bldg. A4	1952	0	\$0	\$3,139,875	1	Partial	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Split Levels Reentrant Corners Misc. Plan Irregularity Heavy Cladding System Inadequate In-Plane Shear Roof Chord Discontinuity	No positive connection between foundation base and stem Cafeteria roof Stiffness incompatibility with boiler room area (conc. walls) Brick veneer Walls have dapped in wood bracing only	Basement storage area under kindergarten classroom (see section A/10). 1957 alterations include enclosing covered play w/ same details and materials as original construction. 1963 Addition was a two classroom extension added to the south end of the east classroom wing. Also matched materials and detailing of original design. 2003 re-roof and partial lateral upgrade.

Bldg. A5	1952	0	\$0	\$717,500	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Misc. Plan Irregularity URM Chimneys Heavy Cladding System Under-Reinforced Walls No Diaphragm-Wall In-Plane Connection Discontinuous Cross Ties	OOP wall anchorage not upgraded in 2003 re-roof possible stiffness incompatibility w/ surrounding timber frame structure Brick veneer 8" thick wall, 1/2" di @ 16" o.c. e.w., p=0.0015 part of 2003 re-roof, check adequacy part of 2003 re-roof, check adequacy	see section A/11 for wall reinforcement. 2003 re-roof & partial lateral strengthening.
Bldg. B	1977	0	\$0	\$288,750	1	None	No	None	Wood Plywood/OSB, Wood Beams, Wood Truss	Timber Frame	N/C	Cantilevered Wood Posts	Post Capacity Foundation Capacity		Play structure constructed circa 1977. Roof is timber truss with steel tubes used for webs.
Bldg. C	2010	0	\$0	\$0	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Benchmark Building.

[illegible]

Select school from pull down menu:		Lent
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



etrofit Recently Complete

Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: Lent															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Lewis
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



etrofit Recently Complete

Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: Lewis															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

Select school from pull down menu:		Lincoln
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



Recently Replaced

Building Year Plan:
(see below for deficiencies)

Holmes

2024 Assessment Summary: Lincoln

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Llewellyn
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,867,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Llewellyn

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1928	0	\$0	\$12,550,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Steel Beams, Steel Truss	Concrete Columns, Conc. CIP Walls, Steel Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Reentrant Corners Concrete Parapets exceed 2.5:1 URM Chimneys Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Diaphragm Reinforcement at Openings	thin slab	1977 - cafeteria floor raised 2015 - local bracing upgrades (structural drawings not available)

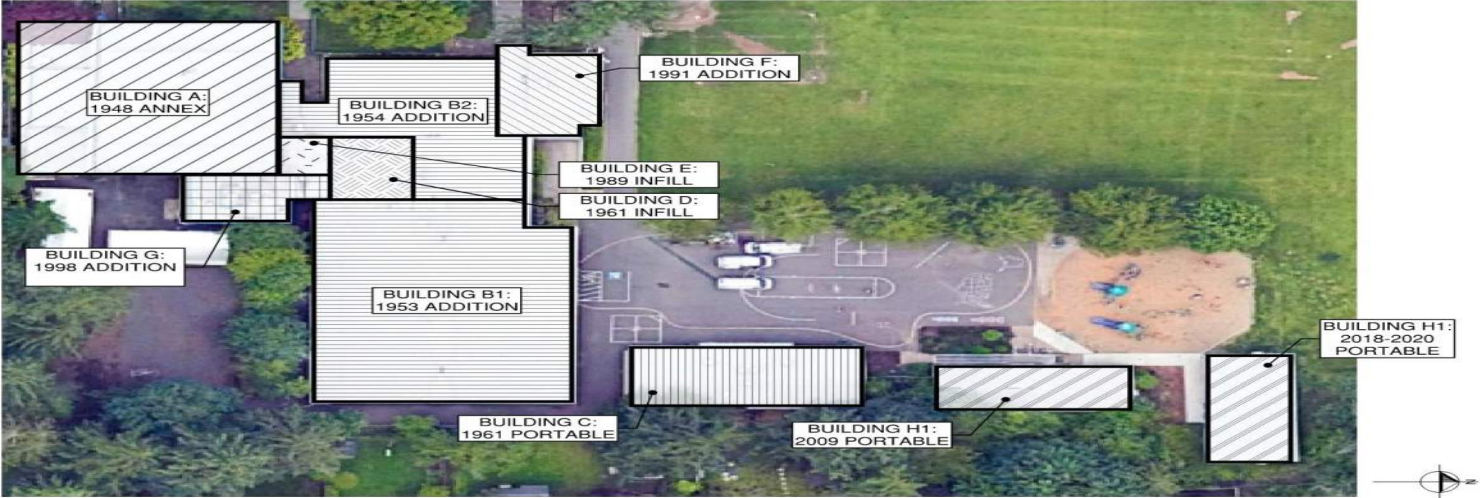
Bldg. B	1960	0	\$0	\$67,500	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Unbraced Cripple Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
Bldg. C	1970	0	\$0	\$250,000	1	None	No	None	Wood Plywood/OSB, Wood Truss-Joists, Wood Beams	Timber Frame	Non-compliant	Cantilevered Wood Posts	Misc. Plan Irregularity Post Capacity Foundation Capacity	discontinuous diaphragm	
Bldg. D	2011	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Appears to be a benchmark building

[illegible]

Select school from pull down menu:		Maplewood
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$3,435,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Maplewood

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1948	0	\$0	\$1,440,000	1	Daylight	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses, Wood Beams, Steel Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners URM Chimneys Inadequate In-Plane Shear Narrow Wood Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')	Roof strengthened in 2014	2015 roof-only seismic upgrade reported

Bldg. B1	1953	0	\$0	\$1,010,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Steel Beams	Steel Columns, Conc. CIP Walls	C2a, W2	Concrete Shear Walls (Flexible Diaphragms), Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Misc. Plan Irregularity Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Under-Reinforced Walls Inadequate Wall-Foundation Connection Deflection Compatibility Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity	incompatible parallel LFRS systems glass block	It appears that the northern portion shown on the drawings was never constructed 2015 roof-only seismic upgrade reported
Bldg. B2	1954	0	\$0	\$500,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Steel Beams	Steel Columns, Conc. CIP Walls	C2a, W2	Concrete Shear Walls (Flexible Diaphragms), Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Misc. Plan Irregularity Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Under-Reinforced Walls Inadequate Wall-Foundation Connection Deflection Compatibility Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity	incompatible parallel LFRS systems glass block	2015 roof-only seismic upgrade reported
Bldg. C	1961	0	\$0	\$25,000	1	0	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Severe Vertical Element Size Discontinuity (<50%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections No Girder-Column Connections Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')	interior walls not continuous to fnd	

Bldg. D	1961	0	\$0	\$110,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Narrow Wood Shear Walls No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity		2015 roof-only seismic upgrade reported
Bldg. E	1989	0	\$0	\$120,000	2	None	Yes	Approximately Complete Original Documents	0	0	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate In-Plane Shear Roof Chord Discontinuity	Inadequate tie-back	2015 roof-only seismic upgrade reported
Bldg. F	1991	0	\$0	\$200,000	1	Daylight	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists, Wood Beams	Steel Columns, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate In-Plane Shear Roof Chord Discontinuity	Inadequate tie-back	2015 roof-only seismic upgrade reported

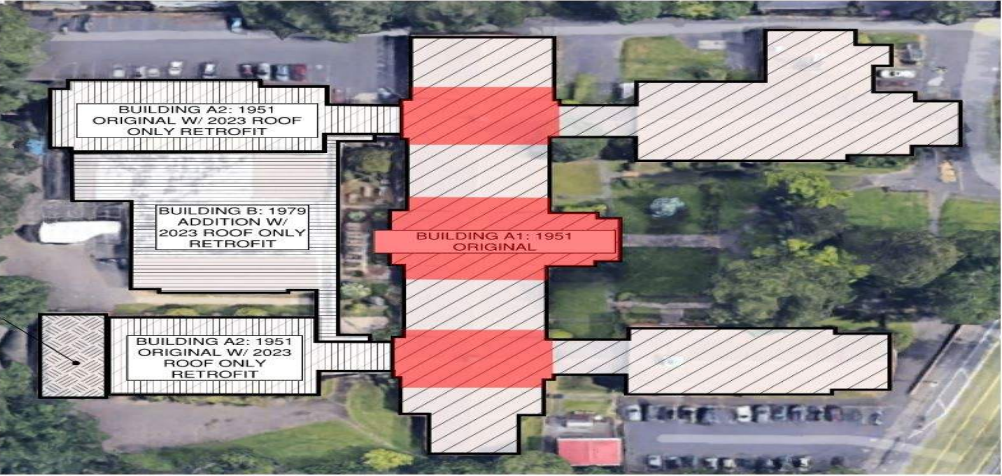
Bldg. G	1998	0	\$0	\$30,000	2	None	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate In-Plane Shear	Inadequate tie-back	Structure not visible on site and no drawings available 2015 roof-only seismic upgrade reported
Bldg. H1	2009	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Steel Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Benchmark buildings
Bldg. H2	2009	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Steel Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Benchmark buildings

Select school from pull down menu:		Markham
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$2,200,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$9,367,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)

Building A3: 1965
ADDITION W/ 2023
ROOF-ONLY RETROFIT



Holmes

2024 Assessment Summary: Markham

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1951	11000	\$2,200,000	\$6,410,000	1	None	No	Approximately Complete Original Documents	Wood Trusses w/ straight sheathing	Wood Framed Bearing Walls	W2, URM	Wood and URM shear walls	Misc. Load Path Issue Reentrant Corners Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Diagonal Sheathing (4:1, 40') Beams, Girders, or Trusses bear on URM wall/pilaster Thin Walls (9 top, 15 first, 13 other/single) Discontinuous Cross Ties Heavy Cladding System	Indirect connection of roof to walls No holddowns at shear walls Buildings Interconnected Likely at larger spaces like the Auditorium and Lunch Room URM bearing walls only at 4 locations within the central portion of the building Perpendicular to truss spans Brick Veneer	

Bldg. A2	1951	0	\$0	\$1,830,000	1	None	No	Approximately Complete Original Documents	Wood Trusses w/ straight sheathing, Wood Trusses w/ straight sheathing & plywood overlay	Wood Framed Bearing Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Overturning Seismic Separation (< 1%) Heavy Cladding System	No holddowns at shear walls Buildings Interconnected Brick Veneer	
Bldg. A3	1951	0	\$0	\$265,000	1	None	No	Approximately Complete Original Documents	Wood Trusses w/ straight sheathing	Wood Framed Bearing Walls	W2	Wood Frames (Commercial and Industrial Buildings)	No Wall-Foundation Connection	Walls connected to slab only	
Bldg. B	1951	0	\$0	\$862,500	1	None	No	Approximately Complete Original Documents	0	Concrete Tilt-up Walls	PC1	Precast or Tilt-up Concrete Shear Walls (Flexible Diaphragm)	0		

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Select school from pull down menu:		Marshall
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$47,515,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Marshall

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1958	0	\$0	\$35,800,000	3	Partial	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Concrete over Metal Deck, Steel Joists	Concrete Columns, Conc. CIP Walls	C1, C2	Concrete Moment Frames, Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Torsional Irregularity Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Heavy Cladding System Inadequate Column Capacity Inadequate Column Shear Capacity Strong Column - Weak Beam Issue Shear Controlled Frame Members Inadequate Column-Bar Splices (35db, tied) Inadequate Column Ties (d/4, 8db at hinges) Discontinuous Beam Bars Inadequate Beam-Bar Splices (none in I/4) Inadequate Beam Stirrups (d/2, 8db at hinges) Inadequate Joint Ties (8db) Deflection Incompatibility	dowels do no continue to foundation base Concrete walls on west end of building start at the first floor Shear walls not regularly spaced, e.g. in sector A 2" expansion joints typical structural support added in 1997. Check adequacy. Brick veneer. check. check. Tie spacing is roughly the depth of the column check check check. D99 D122	Original Classroom portions (sectors A,C,D,&E per plans). Up to three stories tall. Non-ductile concrete detailing. Floors & roof are typically concrete slab supported by concrete beams. Reading room, shop classes & kitchen area are single story portions with concrete over metal deck roof supported on long span steel trusses.

Bldg. A2	1958	0	\$0	\$7,620,000	3	Full	No	Approximately Complete Original Documents	Poured gypsum deck, Tectum, Steel Beams, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls, Concrete Columns	C2a, C2	Concrete Shear Walls (Flexible Diaphragms), Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Severe Vertical Element Size Discontinuity (<50%) Split Levels Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection Other Diaphragms Deflection Compatibility	Corridor slabs are a possible collapse hazard Walls spanning north/south start on the first floor 2" expansion joint between building sectors Brick veneer. Check N/S direction See A/S-29. Check adequacy. dowels do no continue to foundation base Poured gypsum deck	1958 Original Gym (Sector F per plans). Possible collapse hazard above lobby & in corridors - slab is supported by a corbel in the concrete wall with approximately 4" of seating (See Section A-S28). Gym ceiling is a poured gypsum deck on acoustical foam board supported by steel framing. Lobby/classroom floors/roof are concrete slab supported by concrete beams.
Bldg. A3	1958	0	\$0	\$4,095,000	3	Full	No	Approximately Complete Original Documents	Steel Sheet, Steel Joists, Concrete 1-way Slab, Concrete Beams, Concrete Pan-Joists	Conc. CIP Walls, Concrete Columns	C2a, C2	Concrete Shear Walls (Flexible Diaphragms), Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Wall Anchorage Split Levels Non-orthogonal System Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Under-Reinforced Flat Slabs No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection Deflection Compatibility Other Diaphragms	walls at west end of auditorium 2" expansion joint Brick veneer. dowels do no continue to foundation base Roof is Tufcor (metal deck) w/ 3" Vermiculite Concrete (non-structural product?)	1958 Original Auditorium plus adjacent classrooms (Sector B per plans). Roof is metal deck with Vermiculite concrete topping.
Bldg. B	2020	0	\$0	\$0	1	None	No	None	Unknown	Unknown	0				2020 Annex Building. No structural or architectural information was provided, but it is a benchmark building.

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[illegible]

Select school from pull down menu:		Marysville
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,400,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$7,325,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Marysville

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1921	0	\$0	\$1,937,500	1	Crawlspace	No	Approximately Complete Original Documents	Wood Joists, Wood Plywood/OSB	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Wall Anchorage Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft)	Rafter to Wall Conn Partially retrofitted near Bldg D, 2009 Narrow Stem Walls No Seismic Gap to A1, C, or B3 And No Crawl Space Framing Conn (bearing)	

Bldg. A2	1921	1500	\$300,000	\$300,000	1	1	No	Approximately Complete Original Documents	Wood Joists	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Wood Ledgers loaded across grain No Diaphragm-Wall Connection Straight Sheathing (2:1, 24') Wood Ledgers loaded across grain	No URM wall to conc basement wall tie Top of Wall No Seismic Gap to B3 Mezzanine, some load bearing Very tall chimney
Bldg B1	1925	0	\$0	\$2,875,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Joists, Wood Plywood/OSB	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Wall Anchorage Overturning Seismic Separation (< 1%) Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	Rafter to Wall Conn Mostly retrofitted in 2009 work Narrow Stem Walls No Seismic Gap to A1, B2, or D Metal Gate at Egress Partially retrofitted in 2009
Bldg. B2	1925	0	\$0	\$312,500	1	Crawlspace	No	Approximately Complete Original Documents	Wood Trusses, Wood Plywood/OSB, Concrete 1-way Slab	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Unbraced Mezzanine Split Levels Overturning Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft)	No redundancy in in truss conn.'s Sim: Unbraced Partial Ht. Room Roof diaphragm steps No gap to A1 or B1

Bldg. B3	1925	5500	\$1,100,000	\$1,100,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood BeamsWood Plywood/OSB, Wood Plywood/OSB	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Split Levels Seismic Separation (< 1%) Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Girder-Column Connections Wood Ledgers loaded across grain	No redundancy in truss conn.'s Roof diaphragm No gap to A1, A2, or C For E/W span No truss to wall conn.	
Bldg. C	1978	0	\$0	\$150,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Wood Plywood/OSB	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Inadequate Wall Anchorage Split Levels Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Straight Sheathing (2:1, 24') Unblocked Diaphragms (4:1, 40') Inadequate Wood Sill-Foundation Connections (6 ft)	Roof step	
Bldg D	2009	0	\$0	\$125,000	1	None	No	Approximately Complete Original Documents	Wood Beams, Wood Plywood/OSB	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Seismic Separation (< 1%) Inadequate Wood Sill-Foundation Connections (6 ft)	Need to tie adjacent roofs No gap to A1 or B1	

Portland Public Schools
2024 Seismic Assessments

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Select school from pull down menu:		McDaniel
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



etrofit Recently Complete

Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: McDaniel															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

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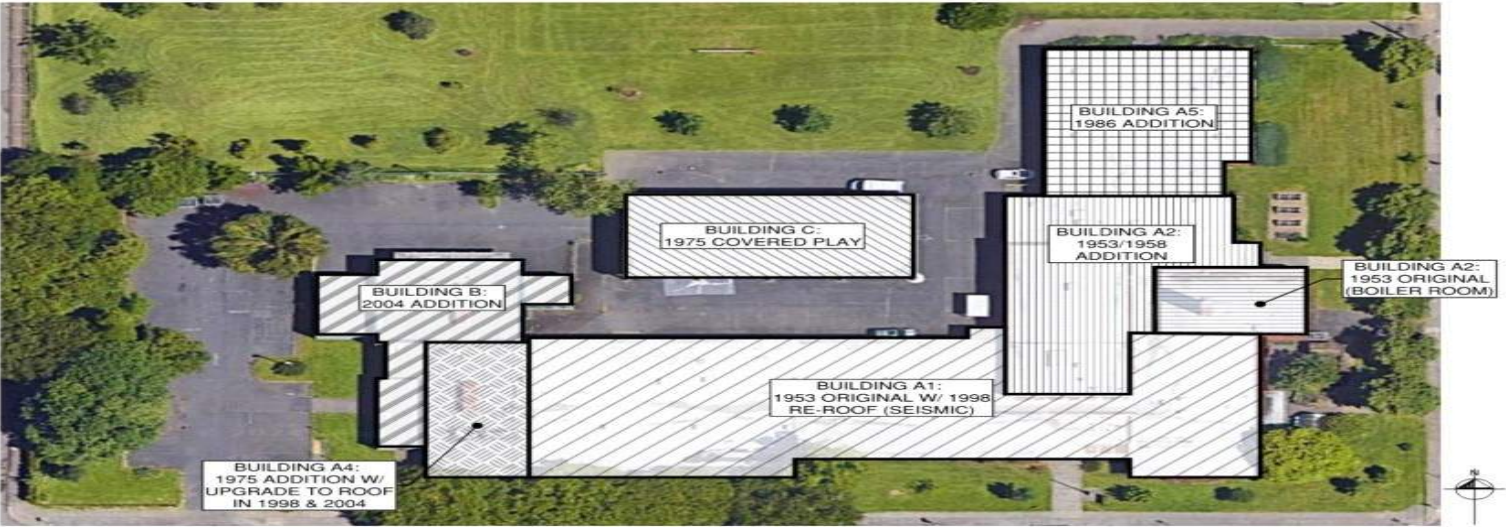
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Select school from pull down menu:		Meek
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$3,187,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Meek

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1953	0	\$0	\$1,215,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Split Levels Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Straight Sheathing (2:1, 24')	1998 FIP identified the need for foundation underpinning for lateral forces at roof No gap to additions Masonry veneer around means of egress was secured in 1998	1953 Original structure - Classrooms are typically timber framed walls. 1998 FIP included upgrading the shear transfer mechanism between the wood-framed walls and roof diaphragm and adding continuity ties .

Bldg. A2	1953	0	\$0	\$500,000	1	None	No	Approximately Complete Original Documents	Concrete 1-way Slab	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Masonry Partition Walls URM Chimneys Heavy Cladding System Under-Reinforced Walls No Diaphragm-Wall Connection Deflection Compatibility	1998 FIP identified the need for foundation underpinning for lateral forces Masonry veneer around means of egress was secured in 1998 1998 FIP identified that confinement reinforcement in concrete shear walls should be upgraded. doesn't appear to have dowelled bars between roof slab and walls Widely spaced ties in columns & beams. Check.	1953 Original boiler room is (CIP concrete walls with a concrete slab diaphragm).
Bldg. A3	1953/1958	0	\$0	\$1,050,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Conc. CIP Walls, Wood Framed Walls	C2a, W2	Concrete Shear Walls (Flexible Diaphragms), Concrete Shear Walls (Stiff Diaphragms), Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Split Levels Reentrant Corners Seismic Separation (< 1%) Heavy Cladding System Under-Reinforced Walls No Diaphragm-Wall In-Plane Connection Straight Sheathing (2:1, 24')	Beams pocketed into concrete shear walls 1998 FIP identified the need for foundation underpinning for lateral forces no gap to 1986 addition Masonry veneer around means of egress was secured in 1998 1998 FIP identified that confinement reinforcement in concrete shear walls should be upgraded. Cafetorium roof	Cafetorium is conc walls w/ wood diaphragm. The original portion of cafetorium was just the stage, though the remaining portion was planned during the original design. The addition was constructed in 1958. Rooms north of the cafetorium are timber framed walls.
Bldg. A4	1975	0	\$0	\$172,500	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Plan Irregularity Heavy Cladding System Straight Sheathing (2:1, 24')	Check diaphragm continuity between the original structure and this addition brick veneer	1975 Addition - Roof is Plywood roof sheathing over 2x6 decking. Roof chords updated in 1998 FIP (metal strap). Some upgrades when 2004 addition was constructed - purlins strengthened and (E) diaphragm was tied to (N) CMU walls.

Bldg. A5	1986	0	\$0	\$0	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Heavy Cladding System	to original structure. brick veneer	Only Arch drawings available. Likely to be a benchmark building, though code was not listed in available drawings to confirm assumption.
Bldg. B	2004	0	\$0	\$0	1	None	No	Approximately Complete Original Documents	Steel Sheet, Steel Joists	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Split Levels Reentrant Corners Misc. Plan Irregularity	at roof Possible stiffness incompatibility - original wood structure ties to new CMU walls	2004 Addition designed to 'latest addition of UBC.' Therefore, can be considered a benchmark building.
Bldg. C	1975	0	\$0	\$250,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Joists, Wood Trusses	Timber Frame	N/C	Cantilevered Wood Posts	Post Capacity Foundation Capacity		Covered play structure constructed circa 1975. No structural information provided.

[illegible]

Select school from pull down menu:		MLC
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$19,005,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: MLC

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1914	0	\$0	\$18,645,000	2	Daylight	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Concrete Beams	Concrete Columns, Conc. CIP Walls, Unreinforced Brick Walls	C2, C3	Concrete Shear Walls (Stiff Diaphragms), Concrete Frames with Infill Masonry Shear Walls (Stiff Diaphragms)	Split Levels Misc. Moderate Vertical Irregularity Reentrant Corners Large Diaphragm Openings (50%) Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection (Conc.) Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings Thin Walls (>1:9) Inadequate In-Plane Shear No diaphragm-wall connection (URM)	Diaphragm steps at auditorium Conc. Walls over infilled frames large skylights Brick façade thin slabs HCT	1999 CMU elevator shaft 2021 roof-only seismic upgrade

Bldg. B	1955	0	\$0	\$360,000	1	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Steel Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Split Levels Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection (Conc.) Inadequate Wall-Foundation Connection Diaphragm Reinforcement at Openings	entryway steps attached lobby between part A	2021 roof-only seismic upgrade

[illegible]

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Select school from pull down menu:		Mt Tabor
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$4,900,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$11,707,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Mt Tabor

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1952	14000	\$4,900,000	\$8,500,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Wood Trusses	Unreinforced Brick Walls, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Vertical LRFS elements are offset Reentrant Corners Deep Spandrels/Narrow Piers (50%, interfering walls) In-Plane Stress Gypsum Wall board or Plaster Shear walls Inadequate Diaphragm-Wall Connection Other Diaphragms Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Cavity Wall Construction Heavy Cladding System	URM walls not adequately tied to foundation Narrow piers Unknown from drawings and unable to determine on site Tectum at Gymnasium Narrow piers at gym URM walls Applicable to URM walls Brick veneer, glass block	URM double height bordering walls of gymnasium and cafeteria.

Bldg. B	1958	0	\$0	\$220,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) In-Plane Stress Gypsum Wall board or Plaster Shear walls Inadequate Diaphragm-Wall Connection Diagonally Sheathed/Unblocked Diaphragms > 40' or 1:4 Heavy Cladding System	Buildings interconnected Inadequate connection to tie to adjacent structures for lateral Diagonal sheathing Brick veneer
Bldg. C	1968	0	\$0	\$510,000	1	None	No	Approximately Complete Original Documents	Wood Trusses, Steel Column	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	In-Plane Stress Gypsum Wall board or Plaster Shear walls Heavy Cladding System	Brick veneer
Bldg. D	1976	0	\$0	\$490,000	1	None	No	Approximately Complete Original Documents	Wood Trusses, Steel Column	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate Sill-Foundation Connection Heavy Cladding System	Buildings interconnected Brick veneer

Bldg. E1 + E2 + E3	1987	0	\$0	\$1,010,000	1	None	No	Approximately Complete Original Documents	Wood Trusses, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Heavy Cladding System	Buildings interconnected Brick Veneer	
Bldg. F1	1989	0	\$0	\$490,000	1	None	No	Approximately Complete Original Documents	Wood Trusses, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Seismic Separation (< 1%) Inadequate Sill-Foundation Connection Heavy Cladding System	Brick Veneer	
Bldg. F2	1989	0	\$0	\$487,500	1	None	No	Approximately Complete Original Documents	Wood Beams	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Seismic Separation (< 1%) Under-Reinforced Walls No Topping Slab-Wall Connection	Slab not tied into wall footing	

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Select school from pull down menu:		Ockley Green
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$9,820,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Ockley Green

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1925	0	\$0	\$8,000,000	1	Partial, Crawlspace	No	Approximately Complete Original Documents	Concrete Pan- Joists, Concrete Beams, Steel Joists, Steel Truss	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Moderate Vertical Element Size Discontinuity (50-75%) Split Levels Reentrant Corners Masonry Diaphragm Seismic Separation (< 1%) Masonry Partition Walls Masonry ceiling URM Parapets exceed 1.5:1 Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Check anchorage of steel trusses and "I"-joists East wall of classroom 205 and 217 do not continue to foundation Section D-D and E-E on pg 16 indicate tile used in ceiling No gap Section D-D and E-E on pg 16 indicate tile used in ceiling Parapet bracing over stairs #2 & #3 exits only (circa 2001) & bracing around boiler room added in 2020 Brick veneer E.g., cast stone parapets & Plaster ceilings hung from trusses Few continuous walls around classrooms Walls appear to be typically unreinforced Check adequacy of connections to slabs & steel members Walls appear to be typically unreinforced	1925 Original Structure - Jones School. Two-story structure with classrooms, auditorium and gyms (boys & girls). Roof and floors typically pan joist system with topping slab. Auditorium and gyms have 2" conc. slab supported by steel I-joists and steel trusses. Some seismic upgrades in 2001 - mostly along egress routes, included installation of strong backs along stairways and parapet bracing over stairs #2 & #3 exits. Also, strong backs installed at masonry wall adjacent to 1953 addition and chimney height was reduced. Further parapet and chimney bracing added in 2020

Bldg. A2	1953	0	\$0	\$277,500	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood T+G Plank, Steel Truss, Wood Joists	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear	In kitchen. Also hollow tile @ east wall Brick veneer Check North/South direction	1953 Addition. Concrete walls, typ. T&G diaphragm supported by steel joists over cafeteria timber joists over kitchen. Roof-only retrofit in 2001. New ties @ south wall, central wall and east wall. Another roof-only retrofit in 2020 including a plywood overlay and new diaphragm-wall connections & anchorage
Bldg. B	1980	0	\$0	\$1,340,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists	Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Split Levels Seismic Separation (< 1%) Under-Reinforced Walls	at roof no gap to original building Typical reinforcing is deficient per structural notes on page BS2	1980 Addition of industrial arts, gym & lockers. Roof-only retrofit in 2001
Bldg. C	1984	0	\$0	\$67,500	1	Crawlspace	No	Insufficient Original Documents	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear No Girder-Column Connections Roof Chord Discontinuity	analysis required analysis required analysis required	1984 Portable. Moved from West Sylvan, so age of superstructure is unknown. Only foundation drawings available. Assumed to be wood framed with no significant seismic upgrades

Bldg. D	1991	0	\$0	\$135,000	1	Crawlspace	No	Insufficient Original Documents	Unknown	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear No Girder-Column Connections Roof Chord Discontinuity	analysis required analysis required analysis required	1991 Portable. Only site information available - nothing architectural or structural. Assumed to be wood framed with no significant seismic upgrades. Benchmark building.

[illegible]

Select school from pull down menu:		Peninsula
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$6,520,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Peninsula

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1952, 1960	0	\$0	\$5,250,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Beams, Wood Joists	Wood Framed Walls	W2, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Stiff Diaphragms)	Split Levels Reentrant Corners Misc. Plan Irregularity Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	At gym & boiler room U-shaped building Deformation incompatibility between concrete walls of boiler room and adjacent structure. no gap between building portions brick veneer Check walls between classrooms (See detail 46)	Original Structure - U-shaped building. Classrooms are timber framed with trussed rafter roof. Cafeteria is timber framed with glum-lam beam roof. Alterations to the west end of the north wing include enclosing the covered play to make 3 new classrooms in 1953 and adding toilets and two new classrooms in 1960. Construction materials and detailing matches original construction.

Bldg. A2	1952	0	\$0	\$950,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Trusses, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Split Levels Misc. Plan Irregularity Seismic Separation (< 1%) Masonry Partition Walls Heavy Cladding System Inadequate In-Plane Shear No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Check gym truss detailing - not in drawings Deformation incompatibility between concrete walls of boiler room and adjacent structure. no gap between building portions glazed tile walls around locker room showers brick veneer Typically non-quantifiable connections between roof trusses and walls	Original Structure - Gym is timber framed with ring-connected bow string trusses. Project folder shows gym truss drawings dated 2016, however these drawings weren't received.
Bldg. A3	1952	0	\$0	\$320,000	1	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Split Levels Misc. Plan Irregularity Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Heavy Cladding System No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	There are no hooked dowels connecting the concrete walls to the topping slab. Deformation incompatibility between concrete walls of boiler room and adjacent structure. no gap between building portions unreinforced CMU around janitors office height has bee reduced, but still above roof line. brick veneer There are no hooked dowels connecting the concrete walls to the topping slab. Dowels appear to be straight to foundation (i.e., not hooked)	Original Structure - Boiler room area has CIP concrete walls with concrete slab roof.

[illegible]

Select school from pull down menu:		Rice
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$1,645,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Rice

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1955	0	\$0	\$1,645,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Trusses	Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties URM Chimneys Inadequate In-Plane Shear Roof Chord Discontinuity Unblocked Wood Panel Diaphragms (4:1, 40')	Doesn't appear to be a positive connection between foundation base and stem Lots of openings @ exterior. Assumed gyp @ interior walls.	Simple, timber-framed structure. Appears to have had limited interventions

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Richmond
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$1,720,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$13,477,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



AREA OF URM

Holmes

2024 Assessment Summary: Richmond

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1910	8000	\$1,600,000	\$4,000,000	2	Daylight	No	None	Wood Plywood/OSB, Plaster & Lathe, Wood Joists, Steel Truss, Steel Beams	Wood Framed Walls, Conc. CIP Walls, Concrete Columns, Unreinforced Brick Walls	URM, W2	Unreinforced Masonry Bearing Walls (Flexible Diaphragms), Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Inadequate In-Plane Shear (URM) Thin Walls (9 top, 15 first, 13 other/single) Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Girder-Column Connections Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate In-Plane Shear (Wood) Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Masonry Partition Walls		Basement appears to be URM Brick, Wood walls above Original construction: Center wing in 1912, North wing in 1914, gym in 1914 or 1927 1999 - Partial seismic upgrade at URM portion 2023 - roof-only retrofit (assumed seismic retrofit, documentation not available)

Bldg. B	1912	0	\$0	\$8,452,500	2	Daylight	No	Insufficient Original Documents	Wood Plywood/OSB, Plaster & Lathe, Wood Joists, Steel Truss, Concrete Pan-Joists, Steel Beams	Wood Framed Walls, Conc. CIP Walls, Concrete Columns	C3a, W2	Concrete Frames with Infill Masonry Shear Walls, Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Thin Walls (>1:9) Cavity Wall Construction Inadequate In-Plane Shear Under-Reinforced Flat Slabs No diaphragm-wall connection Deflection Compatibility Discontinuous Cross Ties Straight Sheathing (2:1, 24') Other Diaphragms Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Masonry Partition Walls Heavy Cladding System	Slender basement columns. west side plaster & lathe at B1	Documents available: Central Portion: none North Wing: partial East Gym: the 1914 drawings include this area and generally match field observations. However, 1999 drawings indicate this region was constructed in 1927. 2023 - reroof (documentation not available)
Bldg. C	1953	800	\$120,000	\$1,020,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams, Wood Plywood/OSB, Wood Joists	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24') Possible URM bearing wall below stage Heavy Cladding System	cafeteria, kitchen, entry level varies transverse walls at kitchen plan west wall Based on construction era	The only potential URM identified was the stage support
Bldg. D	1999	0	\$0	\$5,000	2	Daylight	No	No	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate tie-backs		

[illegible]

Select school from pull down menu:		Rieke
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$4,160,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$6,040,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes
2024 Assessment Summary: Rieke

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1959	20800	\$4,160,000	\$4,160,000	1	Crawlspace	No	Approximately Complete Original Documents	Tectum, Steel Truss, Wood Plywood/OSB	Steel Columns, Unreinforced CMU Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	High Landslide Susceptibility (DOGAMI State Overview) Inadequate Foundation Ties Split Levels Non-redundant (< 2 bays in < 2 lines) Beams, Girders, or Trusses bear on URM wall/pilaster Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) Unbraced Gable Walls No Diaphragm-Wall Connection Discontinuous Cross Ties URM Chimneys Heavy Cladding System	Roof Diaphragm split at East end Exterior Windows No longitudinal ties shown	Recommend investigating crawlspace for potential joist deterioration (gravity concern) 2000 - partial seismic upgrade 2023 - roof-only seismic upgrade

Bldg. B	1968	0	\$0	\$837,500	1	None	No	Insufficient Original Documents	Steel Sheet, Steel Truss, Steel Joists	Steel Columns, Reinforced CMU Walls, Conc. CIP Walls	RM1, C1a, Non-Compliant	Reinforced Masonry Bearing Walls (Flexible Diaphragms), Concrete Shear Walls (Flexible Diaphragms), Steel Sheet Shear walls	Sloping Site (full story difference across site) Misc. Load Path Issue Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Discontinuous Cross Ties Uncommon metal sheathed shear walls at west side	Walls not cont. to roof, stiff east side	
Bldg. C	1969	0	\$0	\$387,500	1	None	No	Approximately Complete Original Documents	Steel Sheet, Steel Beams, Steel Joists	Reinforced Brick Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Seismic Separation (< 1%) Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection No Girder-Column Connections Discontinuous Cross Ties	adjacent to Building B none ID'd	
Bldg. D	1970	0	\$0	\$250,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Truss-Joists	Timber Frame	N/C	Cantilevered Wood Posts	Post Capacity Foundation Capacity		

Bldg. E1	2007	0	\$0	\$135,000	1	None	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Unbraced Cripple Walls No Wood Post-Foundation Connections Diaphragm discontinuity between units	E1 only	
Bldg. E2	2009	0	\$0	\$135,000	1	None	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	No Wood Post-Foundation Connections		
Bldg. E3	2010	0	\$0	\$135,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	No Wood Post-Foundation Connections		

[illegible]

Select school from pull down menu:		Rigler
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$2,845,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$15,615,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Rigler

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1931	7700	\$2,695,000	\$13,870,000	2	Partial	Yes	Approximately Complete Original Documents	Wood Joists, Concrete Pan-Joists	Concrete Columns, Reinforced Concrete Walls, Unreinforced Brick Walls	C2, URMa	Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	High Landslide Susceptibility (DOGAMI State Overview) Inadequate Foundation Ties Inadequate Wall Anchorage Moderate Vertical Element Size Discontinuity (50-75%) Misc. Moderate Vertical Irregularity Reentrant Corners Misc. Plan Irregularity Torsional Irregularity Seismic Separation (< 1%) Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Inadequate In-Plane Shear Cavity Wall Construction 101 Masonry Partition Walls URM Parapets exceed 1.5:1 Concrete Parapets exceed 2.5:1 Heavy Cladding System	High, per dogami, lvi site otherwise URM North Restrooms, Gym, and Corridors URM North Restrooms, Gym, and Corridors Conc Walls at Lvl 2, not lvl 1 and B (library, conservatory, projector room) Conc Walls at Lvl 2, not lvl 1 and B (library, conservatory, projector room) Gym and Auditorium Wing 1955 Addition flexible but tied to Orig. 1955 Addition flexible but tied to Orig. Building A and B Interconnected At Gymnasium Likely insufficient Likely insufficient Likely insufficient (Check conc column detailing) Likely at Gymnasium Gymnasium Likely at URM walls Lvl 1 Restrooms Gym, North Restrooms Sheet 11 HCT Partitions in plan and on site Longitudinal section A-A at Gym Longitudinal section A-A at Gvm	

Bldg. B	1955	1000	\$150,000	\$910,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Wood Beams, Wood Plywood/OSB	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	High Landslide Susceptibility (DOGAMI State Overview) Inadequate Foundation Ties Inadequate Wall Anchorage Reentrant Corners Misc. Plan Irregularity Torsional Irregularity Seismic Separation (< 1%) Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Straight Sheathing (2:1, 24') Other Diaphragms Masonry Partition Walls URM Parapets exceed 1.5:1 URM Appendages over Exit way	High, per dogami, lvl site otherwise Corridor shared with Orig. Bldg. A, wood frame likely inadequate Corridor shared with Orig. Bldg. A, wood frame likely inadequate Addition creates new corner with Orig. Bldg. A 1955 Addition flexible but tied to Orig. Bldg. A 1955 Addition flexible but tied to Orig. Bldg. A Building A and B Interconnected Likely Insufficient Likely Insufficient Unknown, likely straight/diagonal Conc. Diaphragm shown (likely over corridor) Corridor shared with A At Restroom Corridor near Orig. Bldg. A Likely at Restroom Corridor near Orig. Bldg. A
Bldg. C	1951	0	\$0	\$262,500	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Inadequate In-Plane Shear Inadequate Sill-Foundation Connections (6 ft)	No shear connection to foundation Likely Insufficient Likely Insufficient Uplift only clips to foundation Uplift only clips to foundation
Bldg. D	1971	0	\$0	\$280,000	1	None	No	Approximately Complete Original Documents	Wood Truss-Joists, Wood Joists, Wood Plywood/OSB	Timber Frame	Non-Compliant	Cantilevered Wood Posts	Misc. Load Path Issue Inadequate Foundation Ties Inadequate In-Plane Shear Post Capacity Foundation Capacity Unblocked Diaphragms (4:1, 40')	No shear connection to foundation Likely Insufficient Wood Posts without knee braces

Bldg. E	2010	0	\$0	\$150,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Inadequate In-Plane Shear Inadequate Sill-Foundation Connections (6 ft)	No shear connection to foundation Likely Insufficient Likely Insufficient Uplift only clips to foundation Uplift only clips to foundation	
Bldg. F	2010	0	\$0	\$142,500	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Inadequate In-Plane Shear Inadequate Sill-Foundation Connections (6 ft)	No shear connection to foundation Likely Insufficient Likely Insufficient Uplift only clips to foundation Uplift only clips to foundation	

[illegible]

Select school from pull down menu:		Roosevelt
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



etrofit Recently Complete

Building Year Plan:
(see below for deficiencies)

Holmes

2024 Assessment Summary: Roosevelt

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

[illegible]

Select school from pull down menu:		Rosa Parks
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	None	See cover page notes for explanation of ROM cost



Recently Constructed

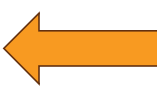
Building Year Plan:
(see below for deficiencies)

Holmes 2024 Assessment Summary: Rosa Parks															
Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes

[illegible]

[illegible]

Select school from pull down menu:		Rose City Park
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$20,910,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$21,100,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Rose City Park

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1935	63300	\$18,990,000	\$18,990,000	2	Crawlspace, Partial	No	Insufficient Original Documents	Concrete 1-way Slab, Concrete Beams, Steel Truss	Unreinforced Brick Walls	URMa	Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	Misc. Load Path Issue Inadequate Foundation Ties Inadequate Wall Anchorage Vertical LRFS elements are offset Split Levels Reentrant Corners Seismic Separation (< 1%) Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear No Diaphragm-Wall Connection Masonry Partition Walls URM Parapets exceed 1.5:1 URM Appendages over Exit way Other observed nonstructural falling hazard	Step in roof diaphragm in passages Not documented or seen on site Not documented or seen on site Center vs Wings Split Buildings Interconnected At Level 2 Assembly Hall at URM at Not Documented or seen on site HCT At Exterior URM Walls Brick Arch Above Main Entrance Brick Arch Above Main Entrance Plaster Cornice Above Entry	

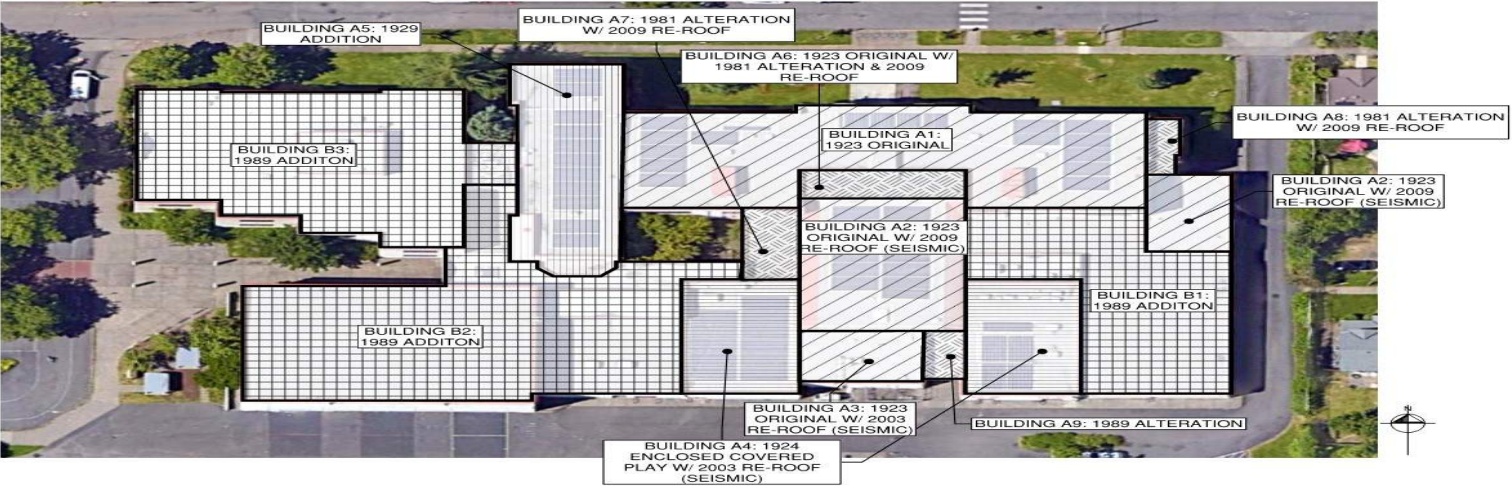
Bldg. A2	1935	6400	\$1,920,000	\$1,920,000	1	None	No	Insufficient Original Documents	Steel Beams	Unreinforced Brick Walls	URM	Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear No Diaphragm-Wall Connection URM Parapets exceed 1.5:1	Not documented or seen on site Not documented or seen on site Buildings Interconnected Not Documented or seen on site	
Bldg. B	1960	0	\$0	\$190,000	1	None	No	None	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Other Diaphragms	At Gym Wall	

[illegible]

Select school from pull down menu:		Roseway Heights
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$15,680,750	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Roseway Heights

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1923	0	\$0	\$5,467,500	2	None	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Beams, Concrete Pan-Joists, Wood Plywood/OSB, Wood Trusses, Wood Beams	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Split Levels Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System URM Appendages over Exitway Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	Minimal reinforcing dowels from concrete diaphragms to walls To Auditorium no separation to adjacent building portions Clay tile partitions between classrooms & clay tile furring on interior walls Parapets are ~5' tall and likely unreinforced Brick veneer at entrance Brick veneer at north entrance extends to parapet Wall reinforcing unknown (if any).	Original structure - non-ductile concrete. Includes classrooms (RC slab roof, pan joist 2nd level), assembly hall w/ stage (wood trusses), & boiler room (wood beam). Classrooms, 2009 reroof w/ no seismic upgrades.

Bldg. A2	1923	0	\$0	\$364,500	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Steel Sheet, Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Conc. CIP Walls, Reinforced CMU Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection Straight Sheathing (2:1, 24') Unblocked Diaphragms (4:1, 40')	Trusses may not adequately transfer lateral loads East and west walls no gap Wall reinforcing unknown (if any) East and west walls Metal roof over shiplap not part of 2009 roof seismic upgrades New plywood installed over existing shiplap in 2009	Original structure - non-ductile concrete. Auditorium + stage & classroom 117. 2003 work removed hollow clay tile walls at stage area. 2009 re-roof included new ply over existing sheathing + new IP & OOP connections (excludes Auditorium east and west walls)
Bldg. A3	1923	0	\$0	\$243,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Concrete Parapets exceed 2.5:1 Under-Reinforced Walls No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection	upgraded in 2003 reroof - check adequacy at roof, plus boiler below grade. no gap upgraded in 2003 reroof - check adequacy	Original structure - non-ductile concrete. Boiler room. 1981 Alterations included the removal of skylights, (N) stud partitions to form janitorial offices, stair relocation, & remodel of fan room to a class room. 2003 reroof included removal of masonry chimney down to the concrete level and roof upgrades - (N) ply over (E) sheathing and updated the roof diaphragm boundary connections
Bldg. A4	1924	0	\$0	\$1,395,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Joists, Steel Beams	Conc. CIP Walls, Concrete Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Concrete Parapets exceed 2.5:1 Under-Reinforced Walls No Diaphragm-Wall In-Plane Connection Inadequate Wall-Foundation Connection	upgraded in 2003 reroof - check adequacy at roof no gap upgraded in 2003 reroof - check adequacy	Originally enclosed covered play. Now small gym & industrial arts. 1989 remodel changed east play room to industrial arts room. 2003 reroof included (N) ply over (E) sheathing and updated the roof diaphragm boundary connections

Bldg. A5	1929	0	\$0	\$3,275,000	2	Partial	No	Approximately Complete Original Documents	Concrete Pan-Joists	Conc. CIP Walls, Concrete Columns	C1, C2	Concrete Moment Frames, Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Seismic Separation (< 1%) Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Inadequate Column Shear Capacity Interfering Concrete and Masonry Walls Inadequate Column-Bar Splices (35db, tied) Inadequate Column Ties (d/4, 8db at hinges) Discontinuous Beam Bars Inadequate Beam-Bar Splices (none in I/4) Inadequate Beam Stirrups (d/2, 8db at hinges) Inadequate Joint Ties (8db)	Minimal reinforcing dowels from concrete diaphragms to walls gap 1" @ 2nd floor & roof (1989 drawings, details 1/S10 & 18/S8) Several clay tile walls appear to have been removed, uncertain if all have been. clay tile furring @ wall interior widely spaced ties (8" o.c. typ) possibly clay tile partition infill widely spaced ties (8" o.c. typ), lap splice length unknown widely spaced ties (8" o.c. typ) top bars bend - not continuous splices @ columns	1929 Original Structure. Appears to be C1 in short direction (E/W) and RC shear walls in long direction (N/S). Central staircase removed in 1989 Addition/remodel - (N) floor is metal deck w/ concrete topping.
Bldg. A6-A9	1923 / 1981 & 1989	0	\$0	\$345,750	1-2	None	No	Approximately Complete Original Documents	Steel Sheet, Steel Beams	Conc. CIP Walls, Reinforced CMU Walls	RM1, C2a	Reinforced Masonry Bearing Walls (Flexible Diaphragms), Concrete Shear Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%)	check adequacy of connections. at roof no gaps - additions rely on original structure	Various locations with metal deck diaphragms installed in 1981 or 1989. LFRS is either original concrete walls, CMU walls installed in the 1980's or some combination of the two. 2009 re-roof included checking the welds and button punch joints
Bldg. B1	1989	0	\$0	\$389,500	1	None	Yes	Approximately Complete Original Documents	Steel Sheet, Steel Beams	Conc. CIP Walls, Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Split Levels Seismic Separation (< 1%)	At roof no gap - relies on original structure	1989 addition on the southeast corner of the building. Includes a mechanical penthouse. Metal deck diaphragm with steel framing supported on (E) concrete walls and (N) exterior reinforced CMU walls. 2009 re-roof was non-structural

Bldg. B2	1989	0	\$0	\$797,000	1	None	Yes	Approximately Complete Original Documents	Steel Sheet, Steel Beams	Conc. CIP Walls, Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Walls Spaced Far Apart	Diaphragm positively attached to CMU walls, connection capacity to be confirmed At roof 1-2" clear btwn buildings w/ sliding joints per 16/S9 & 9/S8	1989 addition of gym and locker rooms on the southwest corner of the building. Includes mechanical penthouse. Metal deck diaphragm with steel framing supported on (E) concrete walls and (N) exterior reinforced CMU walls. 2009 re-roof was non-structural.
Bldg. B3	1989	0	\$0	\$3,403,500	2	None	Yes	Approximately Complete Original Documents	Steel Sheet, Steel Beams, Hollow-Core Floor, Pre-Cast Concrete Beams	Conc. CIP Walls, Reinforced CMU Walls, Pre-Cast Concrete Columns	PC2, RM1, S2a	Precast Concrete Frames with Shear Walls, Reinforced Masonry Bearing Walls (Flexible Diaphragms), Steel Braced Frames (Flexible Diaphragms)	Inadequate Wall Anchorage Split Levels Seismic Separation (< 1%) Walls Spaced Far Apart No Girder-Column Connections Inadequate precast connection capacity Deflection incompatibility Eccentrically Braced Frames Inadequate brace connections	Diaphragm positively attached to CMU walls, connection capacity to be confirmed At roof 1" gap @ 2nd floor & roof (1989 drawings, details 1/S10 & 18/S8) Connection capacity should be checked Deformation compatibility between precast elements should be checked, also stairs One side of X-brace does not align with a column. Check beam capacity.	1989 addition of classrooms on the northwest corner of the building. First floor is precast concrete frames with CMU shear walls and hollow core flooring. 2nd floor is steel framing with CMU shear walls and metal deck roofing. Penthouse is steel framing with braced frames and metal deck roofing.

Select school from pull down menu:		Sabin
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$2,600,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$19,320,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes
2024 Assessment Summary: Sabin

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1927	6500	\$2,600,000	\$17,500,000	2	Daylight, Partial	No	Approximately Complete Original Documents	Concrete Pan- Joists, Steel Truss, Steel Beams	Reinforced Concrete Walls, Unreinforced Brick Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Mass Discontinuity Deep Spandrels/Narrow Piers (50%, interfering walls) Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System URM Appendages over Exit way	U-shaped level 2 Hollow clay tile walls throughout Brick veneer	URM at gym and north exterior walls at entries. Slender steel gravity columns in URM at gym, but likely deficient for gravity loads alone.

Bldg. B	1952	0	\$0	\$500,000	1	None	No	Approximately Complete Original Documents	Wood Joists	Reinforced Concrete Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Misc. Load Path Issue Under-Reinforced Walls No Diaphragm-Wall Connection Deflection Compatibility Masonry Partition Walls Concrete Parapets exceed 2.5:1	Hollow Clay Tile bearing walls Light frame wood w/ concrete Hollow Clay Tile partitions	
Bldg. C	1956	0	\$0	\$700,000	1	None	No	Approximately Complete Original Documents	Concrete Pan-Joists	Reinforced Concrete Walls, Reinforced CMU Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Under-Reinforced Walls Under-Reinforced Flat Slabs Concrete Parapets exceed 2.5:1 Heavy Cladding System	Unknown from insufficient drawings and unable to determine on site Concrete pan joists to CMU Buildings Interconnected CMU walls insufficient Wire mesh only Concrete and lightly reinforced CMU parapets exceed Brick Veneer	
Bldg. D	1969	0	\$0	\$225,000	1	None	No	None	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Inadequate In-Plane Shear No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft)		It is likely this structure is wood framed and these deficiencies are applicable.

Bldg. E	1970	0	\$0	\$230,000	1	None	No	None	Wood Trusses	Wood Posts	W2	Cantilevered Wood Posts	Misc. Load Path Issue Post Capacity Foundation Capacity		
Bldg. F	1987	0	\$0	\$165,000	1	None	No	Approximately Complete Original Documents	Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	N/A N/A		

[illegible]

Select school from pull down menu:		Sacajawea
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$1,920,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Sacajawea

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1951	0	\$0	\$1,840,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels at roof only Reentrant Corners URM Chimneys Heavy Cladding System Inadequate In-Plane Shear Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Appears to have some strengthening but extent is unknown. Brick veneer. Shiplap sheathing	Original Structure

Bldg. B	1988	0	\$0	\$30,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Straight Sheathing (2:1, 24')	28'-0" span	1988 storage addition. Encloses original outdoor corridor. Original roof structure.
Bldg. C	1992	0	\$0	\$50,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Roof Chord Discontinuity	unquantifiable load paths btwn joists & walls. Also @ connection to original building @ connection to original	1992 Addition to northeast end. Original end wall was removed. Connections between addition and existing structure @ walls and roof diaphragm are generally unquantifiable.

[illegible]

Select school from pull down menu:		Scott
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$11,520,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Scott

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1949	0	\$0	\$3,200,000	1	Daylight	No	Insufficient Original Documents	Wood T+G Plank, Steel Joists, Wood Plywood/OSB, Wood Joists, Concrete Pan- Joists, Concrete Beams, Concrete 1- way Slab	Conc. CIP Walls	C2, C2a	Concrete Shear Walls (Stiff & Flexible Diaphragms)	Split Levels Reentrant Corners Masonry Partition Walls URM Chimneys Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Deflection Compatibility Discontinuous Cross Ties	thin slabs	2009 seismic upgrade at roof level only

Bldg. B1	1949	0	\$0	\$2,310,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls, Steel Columns	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	adjacent to parts A	2009 seismic upgrade at roof level only
Bldg. B2	1949	0	\$0	\$2,310,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls, Steel Columns	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	adjacent to parts A & C	2009 seismic upgrade at roof level only
Bldg. B3	1949	0	\$0	\$2,310,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls, Steel Columns	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	adjacent to parts A	2009 seismic upgrade at roof level only

Bldg. C	1949	0	\$0	\$250,000	1	None	No	Insufficient Original Documents	Wood Plywood/OSB, Wood T+G Plank, Steel Joists, Steel Beam	Conc. CIP Walls, Steel Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Foundation Ties Torsional Irregularity Masonry Partition Walls URM Bearing walls	asphalt slab open-fronted structure	2009 seismic upgrade at roof level only
Bldg. D	1951	0	\$0	\$615,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
Bldg. E	1960	0	\$0	\$275,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams, Wood Plywood/OSB, Concrete Beams	Concrete Columns	C3a	Concrete Frames with Infill Masonry Shear Walls (Flexible Diaphragms)	Masonry Partition Walls Heavy Cladding System Thin Walls (>1:9) Inadequate In-Plane Shear Masonry not in contact with frame No diaphragm-wall connection Inadequate Concrete Column-Foundation Connection Deflection Compatibility		

Bldg. F	1977	0	\$0	\$250,000	1	None	No	None	Wood Straight/Diag Sheathing, Wood Truss-Joists	Timber Frame	Non-compliant	Cantilevered Wood Posts	Post Capacity Foundation Capacity	
Bldg. G	2009	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)		Appears to be a benchmark building

Select school from pull down menu:		Sellwood
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$20,170,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Sellwood

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1913 & 1927	0	\$0	\$16,550,000	3	Partial, Crawlspace	No	Approximately Complete Original Documents	Steel Truss, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Seismic Separation (< 1%) Masonry Partition Walls Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Deflection Compatibility	Buildings Interconnected Original tile portion walls shown on plan Floor slab reinforcing not continuous Interconnected buildings	Built in stages, first stage in 1913 and second stage in 1923. Various architectural upgrades completed. Interconnected with building A2

Bldg. A2	1923	0	\$0	\$700,000	1	None	No	Insufficient Original Documents	0	0	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Deflection Compatibility	Buildings Interconnected Interconnected buildings	Built in 1960. Interconnected to building A1 & B2
Bldg. B1	1984	0	\$0	\$1,000,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Steel Truss	Steel Columns, Timber Frame	W2, PC1	Wood frame, Concrete precast shear walls with flexible diaphragms	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Non-orthogonal System Torsional Irregularity Seismic Separation (< 1%) No Wall-Foundation Connection Inadequate In-Plane Shear Unblocked Diaphragms (4:1, 40')	Out of plane anchorage of walls Buildings Interconnected	Contains the gymnasium (double height) space
Bldg. B2	1984	0	\$0	\$1,920,000	1	None	No	Approximately Complete Original Documents	Wood Joists, Steel Truss	Steel Columns, Concrete Tilt-up Walls, Timber Frame	W2, PC1	Wood frame, Concrete precast shear walls with flexible diaphragms	Misc. Load Path Issue Inadequate Wall Anchorage Split Levels Non-orthogonal System Torsional Irregularity Seismic Separation (< 1%) No Wall-Foundation Connection Inadequate In-Plane Shear Unblocked Diaphragms (4:1, 40')	Out of plane anchorage of walls Buildings Interconnected	Attached to building A2

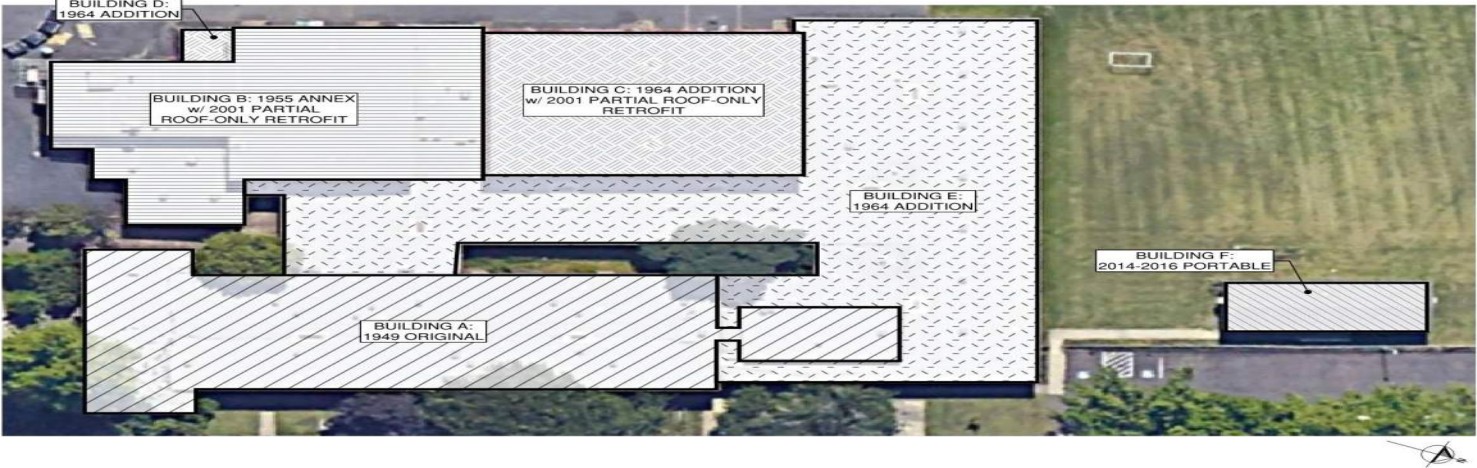
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Select school from pull down menu:		Sitton
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$5,685,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Sitton

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1949	0	\$0	\$1,490,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults) Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Diagonal Sheathing (4:1, 40')		2020 - reroof work at unknown locations at this campus (no drawings available)

Bldg. B	1955	0	\$0	\$1,605,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Joists, Wood Trusses, Concrete Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Wall Anchorage Reentrant Corners Masonry Partition Walls Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Wood Bowstring Truss	Wood Ledgers	2001 partial roof-only seismic upgrade (not re-sheathed)
Bldg. C	1964	0	\$0	\$0	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Conc. CIP Walls, Steel Columns	C2a, S2a	Concrete Shear Walls on Steel Braced Frames (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Wall Anchorage Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate Column Capacity Inadequate Brace Capacity Slender Braces Inadequate brace connections Discontinuous Cross Ties Straight Sheathing (2:1, 24') Unbraced concrete walls	No braces at North Elevation attached to part B	2001 partial roof-only seismic upgrade (not re-sheathed)
Bldg. D	1964	0	\$0	\$0	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Conc. CIP Walls, Steel Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Wall Anchorage Seismic Separation (< 1%) Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	attached to part B	

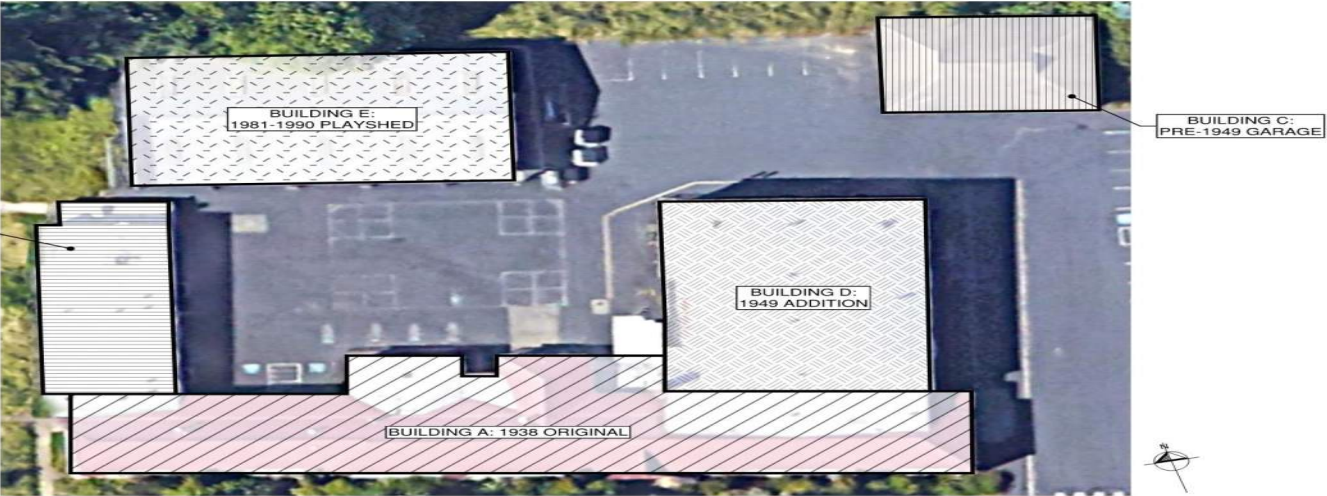
Bldg. E	1964	0	\$0	\$2,590,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Trusses, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Near-fault location (250ft, DOGAMI Active Faults) Reentrant Corners Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')	Adjacent to parts B & C	
Bldg. F	2014	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Appears to be a benchmark building

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Select school from pull down menu:		Skyline
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$6,077,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Skyline

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1938	0	\$0	\$2,925,000	1	Daylight	No	Insufficient Original Documents	Wood Battens, Wood Joists, Concrete 1-way Slab, Concrete Beams	Wood Framed Walls, Conc. CIP Walls	W2, C2a, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Flexible and Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) URM Chimneys Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Discontinuous Cross Ties Straight Sheathing (2:1, 24')	skip sheathed	Constructed in 1938 and 1942 2023 Partial roof-only seismic upgrade somewhere on this campus reported by PPS (no drawings available)

Bldg. B	1942	0	\$0	\$775,000	1	Daylight	No	None	Wood Straight/Diag Sheathing, Wood Trusses, Wood Joists	Wood Framed Walls, Conc. CIP Walls	W2, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Stiff Diaphragms)	High Landslide Susceptibility (DOGAMI State Overview) Inadequate Foundation Ties Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) URM Chimneys Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24') Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Diaphragm Reinforcement at Openings	1956 second floor & furnace room added
Bldg. C	1938	0	\$0	\$187,500	1	None	No	None	Wood Battens, Wood Trusses	Wood Framed Walls, Conc. CIP Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Sloping Site (full story difference across site) Inadequate Foundation Ties Inadequate In-Plane Shear Narrow Wood Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms skip sheathed	
Bldg. D	1949	0	\$0	\$1,890,000	1	Full	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Joists, Wood Trusses, Concrete 2-way Slab, Concrete Beams	Wood Framed Walls	W2, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Seismic Separation (< 1%) Masonry Partition Walls Inadequate In-Plane Shear Narrow Wood Shear Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40') wood barrel vault Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Diaphragm Reinforcement at Openings	

Bldg. E	1981	0	\$0	\$300,000	1	None	No	None	CFS Joists, Steel Beams	Steel Columns	S3	Metal Building Frames	Misc. Plan Irregularity Inadequate Frame Moment Capacity Inadequate Brace Axial Capacity No Beam Bottom Flange Bracing No Bracing of Beam-Column Joints Inadequate Diaphragm-Frame Connection Inadequate Column-Foundation Connection Inadequate Connection Moment Capacity No Attachment of Roof Diaphragm Panels		

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Select school from pull down menu:		Smith
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$7,700,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$8,225,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Smith

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1958	22000	\$7,700,000	\$7,700,000	1	None	No	Approximately Complete Original Documents	Steel Truss	Steel Columns, Unreinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) No Wall-Foundation Connection Heavy Cladding System	Buildings Interconnected Appears reinforcing not extended into foundation Brick veneer	Poorly reinforced CMU block walls with Brick veneer

Bldg. B1	1970's	0	\$0	\$525,000	1	0	No	None	Unknown	Unknown	Unknown	Unknown	Seismic Separation (< 1%)	Buildings Interconnected
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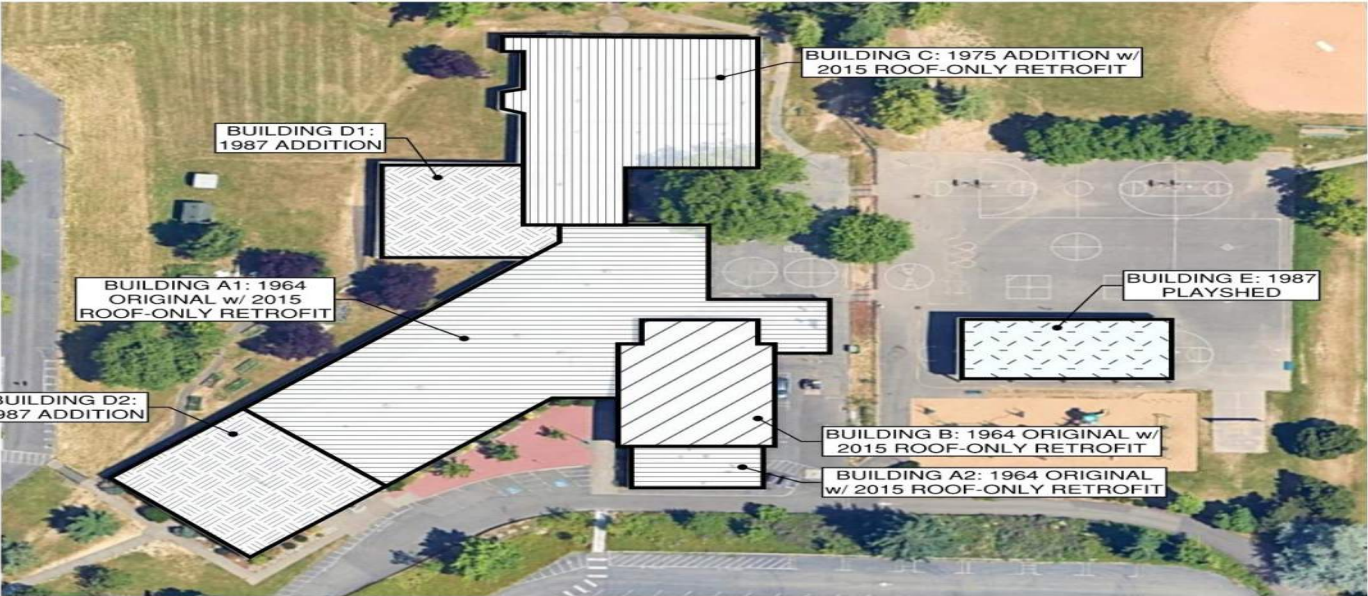
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Select school from pull down menu:		Stephenson
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$7,347,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Stephenson

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1964	0	\$0	\$1,660,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Sloping Site (full story difference across site) Inadequate Foundation Ties Reentrant Corners Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	S.O.G. in some areas	2015 - partial roof-only seismic upgrade (structural drawings not available)

Bldg. A2	1964	0	\$0	\$140,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Sloping Site (full story difference across site) Inadequate Foundation Ties Reentrant Corners Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)	S.O.G. in some areas	2015 - partial roof-only seismic upgrade (structural drawings not available)
Bldg. B	1964	0	\$0	\$4,020,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Concrete Beams	Concrete Columns, Concrete Tilt-up Walls	PC1	Precast or Tilt-up Concrete Shear Walls (Flexible Diaphragm)	Inadequate Foundation Ties Reentrant Corners Seismic Separation (< 1%) URM Chimneys Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Inadequate Girder-Wall/Pilaster Connections No Wall-Foundation Connection	attached to concrete construction	2015 - partial roof-only seismic upgrade (structural drawings not available)
Bldg. C	1975	0	\$0	\$772,500	3	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Truss-Joists, Wood Beams	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Reentrant Corners Inadequate In-Plane Shear Narrow Wood Shear Walls Large Unbraced Openings		2015 - partial roof-only seismic upgrade (structural drawings not available)

Bldg. D1	1987	0	\$0	\$277,500	1	None	No	None	Wood Plywood/OSB, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')		
Bldg. D2	1987	0	\$0	\$390,000	1	None	No	None	Wood Plywood/OSB, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')		
Bldg. E	1987	0	\$0	\$87,500	1	None	No	None	Steel Sheet Deck, CFS Joists, Steel Beams	Steel Columns	S3	Metal Building Frames	Inadequate Foundation Ties Inadequate Frame Moment Capacity Inadequate Brace Axial Capacity No Beam Bottom Flange Bracing No Bracing of Beam-Column Joints Inadequate Diaphragm-Frame Connection Inadequate Column-Foundation Connection Inadequate Connection Moment Capacity No Attachment of Roof Diaphragm Panels	Braces appear too short to be effective	

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Select school from pull down menu:		Sunnyside
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,490,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Sunnyside

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1925	0	\$0	\$11,950,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Steel Truss, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Reentrant Corners Misc. Plan Irregularity Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Soft end of wings	1977 - cafeteria floor elevated

Bldg. B	1952	0	\$0	\$540,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete Pan-Joists, Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls, Steel Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection	fastening to part A not identified thin slabs	
Bldg. C	2010	0	\$0	\$0	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Appears to be a benchmark building

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Select school from pull down menu:		Terwilliger
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$2,720,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Terwilliger

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1916	0	\$0	\$1,550,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Brick veneer	

Bldg. A2	1940	0	\$0	\$1,100,000	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Brick veneer	
Bldg. B	1940	0	\$0	\$70,000	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft)		2022 Partial seismic retrofit
Bldg. C	2009	0	\$0	\$0	1	Crawlspace	No	None	Wood Straight/Diag Sheathing, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)			Benchmark Building

[illegible]

Select school from pull down menu:		Tubman
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$11,317,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Tubman

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1952	0	\$0	\$2,955,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Conc. CIP Walls, Steel Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Wall Anchorage Reentrant Corners Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Diagonal Sheathing (4:1, 40')	wood ledgers Brick	2019 Partial reroof somewhere on this campus reported by PPS (no drawings available)

Bldg. B	1952	0	\$0	\$3,400,000	2	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Joists, Concrete Beams, Concrete Pan-Joists	Wood Framed Walls, Conc. CIP Walls, Concrete Columns	C2a, C2	Concrete Shear Walls (Flexible and Stiff Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Inadequate Wall Anchorage Seismic Separation (< 1%) Heavy Cladding System Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility Discontinuous Cross Ties Diagonal Sheathing (4:1, 40')	Brick thin slabs	1983 - added reinforced CMU mezzanine in library
Bldg. C	1983	0	\$0	\$312,500	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Steel Columns, Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Heavy Cladding System Straight Sheathing (2:1, 24') Inadequate tie-backs	Concrete panels	Appears to be laterally supported by part A
Bldg. D	1983	0	\$0	\$3,630,000	2	None	No	Approximately Complete Original Documents	Steel Sheet Deck, Concrete 1-way Slab	Steel Columns, Reinforced CMU Walls, Conc. CIP Walls	S1, S1a, RM2, S2a	Steel Braced Frames (Flexible and Stiff Diaphragms), Reinforced Masonry Bearing Walls (Stiff Diaphragms)	Near-fault location (250ft, DOGAMI Active Faults) Misc. Plan Irregularity Heavy Cladding System Inadequate System Capacity Inadequate Moment-Resisting Connections (non-ductile) Inadequate Panel Zones Interfering Concrete and Masonry Walls Strong Column - Weak Beam Issue Walls Spaced Far Apart Under-Reinforced Walls Inadequate Column Capacity Inadequate Brace Capacity Slender Braces Inadequate brace connections	MF locations not legible concrete panels	Pile Foundations Main Structure appears to be steel moment frames Clerestory includes steel rod braced frames Mezzanines appear to be reinforced CMU

Bldg. E	1983	0	\$0	\$645,000	1	None	No	Approximately Complete Original Documents	Hollow-Core Floor, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Near-fault location (250ft, DOGAMI Active Faults) Inadequate Wall Anchorage Under-Reinforced Walls Under-Reinforced Flat Slabs		
Bldg. F	1983	0	\$0	\$375,000	1	None	No	Approximately Complete Original Documents	Steel Truss	Concrete Columns	C2a	Concrete Shear Walls (Flexible Diaphragms)	Seismic Separation (< 1%) Inadequate cross-braces	inadequate tieback to parts A, E	Laterally supported by building parts A & E

[illegible]

Select school from pull down menu:		Vernon
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$2,450,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$6,265,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Vernon

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1931	0	\$0	\$2,165,000	2	Daylight	No	Approximately Complete Original Documents	Concrete Beams, Steel Beams, Concrete Pan-Joists, Steel Truss	Reinforced Concrete Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Misc. Load Path Issue Reentrant Corners Exterior beams do not align with columns Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Masonry Partition Walls Heavy Cladding System	slope at front of school Concrete pan-joists have thin diaphragms Shotcrete overlays provided in 2000 to mitigate this Reinf at concrete walls continue to wall footings but are not developed Hollow Clay Tile (some cavity walls) throughout assumed to be mostly removed in 2000 Brick veneer	

Bldg. A2	1931	7000	\$2,450,000	\$3,605,000	2	Daylight	No	Approximately Complete Original Documents	Concrete Beams, Steel Beams, Concrete Pan-Joists, Steel Truss	Unreinforced Brick Walls, Reinforced Concrete Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Sloping Site (full story difference across site) Inadequate Foundation Ties Misc. Load Path Issue Reentrant Corners Torsional Irregularity Exterior beams do not align with columns Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Masonry Partition Walls Heavy Cladding System	slope at front of school Concrete pan-joists have thin diaphragms URM exterior wall east, RC west Reinf at concrete walls continue to wall footings but are not developed Hollow Clay Tile (some cavity walls) throughout assumed to be mostly removed in 2000 Brick veneer	URM double height bordering walls of gymnasium. Retrofit drawings incomplete.
Bldg. B	1948	0	\$0	\$135,000	1	None	No	Insufficient Original Documents	Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft)		
Bldg. C	1953	0	\$0	\$260,000	2	None	No	Insufficient Original Documents	Steel Joists	Reinforced Concrete Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Severe Vertical Element Size Discontinuity (<50%) Seismic Separation (< 1%) NS: Heavy Cladding System In-Plane Stress Gypsum Wall board or Plaster Shear walls Inadequate Diaphragm-Wall Connection Inadequate Floor-to-Floor Connections Crawlspace Cripple Walls Straight Sheathed Diaphragms	Interior walls not continuous to foundation Buildings Interconnected Brick veneer	

Bldg. D	1968	0	\$0	\$100,000	1	None	No	None	Steel Beams	Steel Columns, Wood Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft)		

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Select school from pull down menu:		Vestal
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$17,450,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Vestal

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1929	0	\$0	\$17,150,000	2	Crawlspace	No	Approximately Complete Original Documents	Concrete 1-way Slab, Concrete Pan-Joists, Concrete Beams, Steel Joists, Steel Truss	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Misc. Load Path Issue at roof Inadequate Wall Anchorage 2nd story Split Levels Reentrant Corners Masonry Partition Walls URM Parapets exceed 1.5:1 Concrete Parapets exceed 2.5:1 URM Chimneys Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Mild steel truss with rivets. Check connections. Also cut concrete beam seen in basement may cause local instability. minimal anchorage between walls and diaphragm Hollow clay tile between many classrooms. West walls of kitchen & play room are brick. Also the exterior walls of the second floor north and south corridor is two layers of hollow clay tile plus veneer per 1929 drawings plans. exterior walls of the second floor north and south corridor brick URM per 1929 drawings Appears to have some strengthening but extent is unknown. Brick veneer Check. Exterior walls heavily perforated. Only wall piers appear to be reinforced per sheet 21 minimal anchorage between walls and diaphragm beam and column reinforcement is not well confined - widely spaced ties	1929 Original two story building. Appears to have had seismic upgrades which included restraining the chimney and providing strongbacks along exit routes. The time and extent of the seismic upgrades is unknown as drawings for this intervention were not provided. Note that a beam which frames into the south wall of the basement storage room was observed to have been cut to fit a switchboard. The time of this intervention is unknown, but the switchboard appears to have been in place before the 1998 FIT IT Infrastructure Improvement Drawings were made.

Bldg. B	1948	0	\$0	\$97,500	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Load Path Issue Split Levels Inadequate In-Plane Shear Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	drawings don't show positive connection between floor framing and foundations at roof drawings do not detail a connection straight sheathing assumed	Center portable classroom unit. Classroom was moved to site in 1948. Available drawings show the foundation. No drawings for the superstructure were provided.
Bldg. C	1949	0	\$0	\$105,000	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Inadequate In-Plane Shear No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Straight Sheathing (2:1, 24')	to toilet area detail doesn't show positive connection between post & foundation metal straps set in concrete @ 8'-0" o.c. Connection to floor framing unknown. assumed straight sheathing	Eastern portable classroom unit. Identical to Building D. Classroom was moved to site in 1949. Available drawings show the foundation. No drawings for the superstructure were provided.
Bldg. D	1949	0	\$0	\$97,500	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Inadequate In-Plane Shear No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Straight Sheathing (2:1, 24')	to toilet area detail doesn't show positive connection between post & foundation metal straps set in concrete @ 8'-0" o.c. Connection to floor framing unknown. assumed straight sheathing	Western portable classroom unit. Identical to Building C. Classroom was moved to site in 1949. Available drawings show the foundation. No drawings for the superstructure were provided.

[illegible]

[illegible]

Select school from pull down menu:		West Sylvan
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$12,552,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: West Sylvan

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1953	0	\$0	\$2,440,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Beams, Wood Trusses	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		King post trusses in gym 2023 roof-only seismic upgrade reported by PPS at this campus (documents not available)

Bldg. B1	1958	0	\$0	\$2,050,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Beams	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Brick piers by egress doors	Constructed in 1958, 1960, 1963
Bldg. B2	1958	0	\$0	\$290,000	1	None	No	Insufficient Original Documents	Wood T+G Plank, Wood Beams	Wood Framed Walls, Timber Frame	W2	Wood Frames (Commercial and Industrial Buildings)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
Bldg. C	1986	0	\$0	\$1,275,000	1	None	No	Approximately Complete Original Documents	Tectum, Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls, Concrete Tilt-up Walls	PC1	Precast or Tilt-up Concrete Shear Walls (Flexible Diaphragm)	Inadequate Foundation Ties Inadequate Wall Anchorage Unbraced Mezzanine Non-redundant (< 2 bays in < 2 lines) Walls Spaced Far Apart Under-Reinforced Walls No Wall-Foundation Connection Discontinuous Cross Ties Unblocked Diaphragms (4:1, 40') Other Diaphragms	Wood East Wall Tectum	

Bldg. D	1986	0	\$0	\$3,462,500	1	None	No	Approximately Complete Original Documents	Tectum, Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Split Levels Reentrant Corners Heavy Cladding System Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40') Other Diaphragms	Tectum	
Bldg. E	1989	0	\$0	\$2,500,000	1	Daylight	No	Approximately Complete Original Documents	Steel Sheet Deck	Concrete Columns	S2, S2a, C2	Steel Braced Frames (Flexible & Stiff Diaphragms) & Concrete Shear Walls (Stiff Diaphragms)	Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Inadequate Column Capacity Inadequate Brace Capacity Slender Braces Inadequate brace connections		
Bldg. F	1989	0	\$0	\$525,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Concrete Tilt-up Walls	PC1	Precast or Tilt-up Concrete Shear Walls (Flexible Diaphragm)	Inadequate Foundation Ties Inadequate Wall Anchorage Walls Spaced Far Apart No Wall-Foundation Connection Unblocked Diaphragms (4:1, 40')		

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Bldg. G	1989	0	\$0	\$10,000	2	None	No	Approximately Complete Original Documents	Wood T+G Plank, Steel Sheet Deck	CFS Walls, Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%)	Inadequate ties between buildings	
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Select school from pull down menu:		Whitman
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$6,755,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Whitman

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1954	0	\$0	\$1,605,000	1	Partial	Yes	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams, Concrete Pan-Joists, Concrete 1-way Slab, Concrete Beams	Reinforced Brick Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Masonry Partition Walls URM Chimneys Walls Spaced Far Apart Inadequate In-Plane Shear Under-Reinforced Walls Wood Ledgers loaded across grain No Diaphragm-Wall Connection No Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24') Inadequate Composite Behavior	HCT observed in bathrooms Inadequate reinforcing	

Bldg. B	1954	0	\$0	\$5,150,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Wood Beams	Wood Framed Walls, Steel Columns	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Seismic Separation (< 1%) Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24')	adjacent to part A tile in bathrooms & brick at south classroom	1955 - South playshed infilled in-kind

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Select school from pull down menu:		Wilcox
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$455,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$1,782,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Wilcox

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1959	1300	\$455,000	\$1,632,500	1	None	No	Approximately Complete Original Documents	Steel Truss Joists	Unreinforced Brick Walls, Steel Columns, CFS Walls	S2b	Strap-Braced Wall System	Inadequate Foundation Ties Inadequate Wall Anchorage Inadequate Brace Capacity Narrow Strap-Braced Walls No Diaphragm-Frame Connection Strap Brace Axial Capacity Heavy Cladding System	Modifications during 1998, but most wall elements otherwise not tied to foundation Unknown from insufficient drawings and unable to determine on site Brick veneer	URM present at unreinforced CMU boiler room exterior wall and west interior fireblock wall. Further exploratory recommended for unreinforced CMU. URM present at chimney stack. 1998 Retrofit of metal stud braces and selective URM walls.

Bldg. B	1966	0	\$0	\$150,000	1	None	No	Approximately Complete Original Documents	Steel Truss Joists	Steel Columns, CFS Walls	S2b	Strap-Braced Wall System	Inadequate Wall Anchorage Seismic Separation (< 1%) Inadequate Brace Capacity Narrow Strap-Braced Walls No Diaphragm-Frame Connection Strap Brace Axial Capacity Heavy Cladding System	Building connected Unknown from insufficient drawings and unable to determine on site Brick veneer	1998 Retrofit of metal stud braces and selective URM walls.
Bldg. C	2023	0	\$0	\$0	1	None	No	None	Steel Truss Joists	Steel Columns, CFS Walls	S2b	Strap-Braced Wall System	Seismic Separation (< 1%)	Unknown from insufficient drawings and unable to determine on site	Structure enclosed an exterior area. Intrusions from vegetation present, monitor for potential upheaval of slab/foundations elements.

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Select school from pull down menu:		Winterhaven
URM Database :	YES	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$810,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$8,632,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Winterhaven

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1929	2700	\$810,000	\$7,807,500	2	Crawlspace, Partial	No	Approximately Complete Original Documents	Concrete 1-way Slab, Steel Truss, Concrete Pan- Joists, Concrete Beams	Concrete Columns, Conc. CIP Walls, Unreinforced Brick Walls	C2, URMa	Concrete Shear Walls (Stiff Diaphragms), Unreinforced Masonry Bearing Walls (Stiff Diaphragms)	Inadequate Foundation Ties Reentrant Corners Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Deflection Compatibility Beams, Girders, or Trusses bear on URM wall/pilaster Walls Spaced Far Apart Deep Spandrels/Narrow Piers (50%, interfering walls) Inadequate In-Plane Shear Thin Walls (9 top, 15 first, 13 other/single) No Diaphragm-Wall Connection Masonry Partition Walls Masonry ceiling URM Parapets exceed 1.5:1 Heavy Cladding System	Likely insufficient Corridor walls braced in 2002 Tile SIP forms in drawings Exit ways braced in 2002	2002 - partial seismic upgrade 2023 - roof-only retrofit (assumed seismic retrofit, documentation not available)

Bldg. B	1955	0	\$0	\$750,000	1	Crawlspace	No	Insufficient Original Documents	Wood T+G Plank, Wood Joists, Wood Beams	Wood Framed Walls, Steel Columns	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Moderate Vertical Element Size Discontinuity (50-75%) Reentrant Corners Seismic Separation (< 1%) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Narrow Wood Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Straight Sheathing (2:1, 24') Heavy Cladding System	Interior transverse walls not cont. North/South Window Walls
Bldg. C	1966	0	\$0	\$75,000	1	Crawlspace	No	Insufficient Original Documents	Wood Plywood/OSB, Wood Joists, Wood Beams	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Plan Irregularity Inadequate In-Plane Shear Plaster or Gypsum Shear Walls No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity	Diaphragm discontinuity between units

[illegible]

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Select school from pull down menu:		Woodlawn
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$14,932,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Woodlawn

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1926	0	\$0	\$14,425,000	1	Partial, Crawlspace	No	Approximately Complete Original Documents	Concrete Pan- Joists, Concrete Beams, Steel Joists, Steel Truss	Conc. CIP Walls, Concrete Columns	C2	Concrete Shear Walls (Stiff Diaphragms)	Inadequate Wall Anchorage Setback: vertical LRFS inboard of story below Split Levels Reentrant Corners Masonry Partition Walls Concrete Parapets exceed 2.5:1 Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs No Diaphragm-Wall Connection Inadequate Wall-Foundation Connection Deflection Compatibility	Check anchorage of steel trusses and "I"-joists at single story portions at roof Some have been removed, but several still outstanding brick veneer check Check adequacy of connections to slabs & steel members walls appear to be typically unreinforced	1926 Original Structure - Jones school. Two-story structure with classrooms, auditorium and gyms (boys & girls). Roof and floors typically pan joist system with topping slab. Auditorium and gyms have 3.5" conc. slab supported by steel I-joists and steel trusses. Seismic upgrades in 2000, 2014, and 2020. 2000 upgrades include tying the building together through the expansion joint at the center win and strengthening URM walls in some areas. 2014 upgrades include reducing the height of the chimney, replacing a URM wall with a CMU shear wall, and bracing URM walls along egress routes on the south side of the building. 2020 Seismic upgrades included parapet bracing at lower roofs.

Bldg. A2	1952	0	\$0	\$30,000	1	None	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood T+G Plank	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Misc. Load Path Issue Split Levels Heavy Cladding System Under-Reinforced Walls Inadequate Wall-Foundation Connection	East may not wall be dowelled into original wall (first floor plan shows dowels for north wall only) brick veneer 9" thick w/ 3/8" di bars @ 18" o.c., p=0.00068	1952 Addition to northside of boiler room. Removed north wall of storage room on first floor to create a larger room. Seismic re-roof in 2020 included providing a 1/2" plywood overlay with sheet metal strap blocking with staples at each panel edge above plywood. Also new wall-diaphragm connections.
Bldg. A3	1956	0	\$0	\$0	2	None	No	Approximately Complete Original Documents	Concrete Pan-Joists, Concrete Beams	Conc. CIP Walls	C3, RM2	Concrete Frames with Infill Masonry Shear Walls (Stiff Diaphragms), Reinforced Masonry Bearing Walls (Stiff Diaphragms)	Heavy Cladding System Masonry not in contact with frame	brick veneer	1956 classroom addition to east end of south wing. Seismic retrofit in 2014 include replacing the URM west walls (from the original building) with CMU shear walls and laterally bracing URM walls & parapets.
Bldg. A4	1966	0	\$0	\$97,500	1	None	No	Approximately Complete Original Documents	Steel Sheet, Steel Joists	Reinforced CMU Walls, Conc. CIP Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Heavy Cladding System Under-Reinforced Walls No Wall-Foundation Connection	brick veneer Horiz reinf appears to only be at bond beam wall is dowelled into footing stem but not base	1966 addition of locker rooms to north and south of gyms. 2020 Roof only retrofit.

Bldg. B	1965	0	\$0	\$50,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Narrow Wood Shear Walls	West wall only has ~2ft of wall either side of windows Minimal shear walls in N/S direction. West wall only has ~2ft of wall either side of windows	1965 Portable Classroom. 2020 Seismic Re-roof. Minimal shear wall area on west wall.
Bldg. C	1966	0	\$0	\$100,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate In-Plane Shear	Check - let-in braces typ	1965 Portable Classroom. Original plans missing some details. 2020 Seismic Re-roof.
Bldg. D	1966	0	\$0	\$230,000	1	Crawlspace	No	Approximately Complete Original Documents	Wood Plywood/OSB, Wood T+G Plank, Steel Joists	Reinforced CMU Pilasters, Reinforced CMU Walls	RM1	Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Misc. Load Path Issue Masonry Partition Walls Under-Reinforced Walls No Wall-Foundation Connection	Per details 9&10/S2-502 (2020 drawings) CMU walls do not align with lintel beam reinforcement for interior walls is unknown vertical wall reinforcement doesn't appear to continue into foundations	1966 Industrial Arts classroom. 2020 seismic reroof. Walls are CMU pilasters with CMU infill. Load path to CMU walls is unclear given the available documentation as the CMU walls between pilasters don't appear to align with the lintel beam and there doesn't appear to be continuous reinforcement between the two elements. Also unclear if CMU walls reinforcement continues to foundations.

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Select school from pull down menu:		Woodmere
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	YES	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$13,690,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Woodmere

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1954	0	\$0	\$4,090,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Brick pilasters near exit doors	No structural drawings

Bldg. A2	1954	0	\$0	\$4,090,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Brick pilasters near exit doors	
Bldg. A3	1954	0	\$0	\$4,090,000	1	None	No	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Non-redundant (< 2 bays in < 2 lines) Heavy Cladding System Other observed nonstructural falling hazard Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Straight Sheathing (2:1, 24')	Brick pilasters near exit doors	
Bldg. B1	1954	0	\$0	\$675,000	1	None	Yes	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Wood Ledgers loaded across grain adj. to parts A	No structural drawings

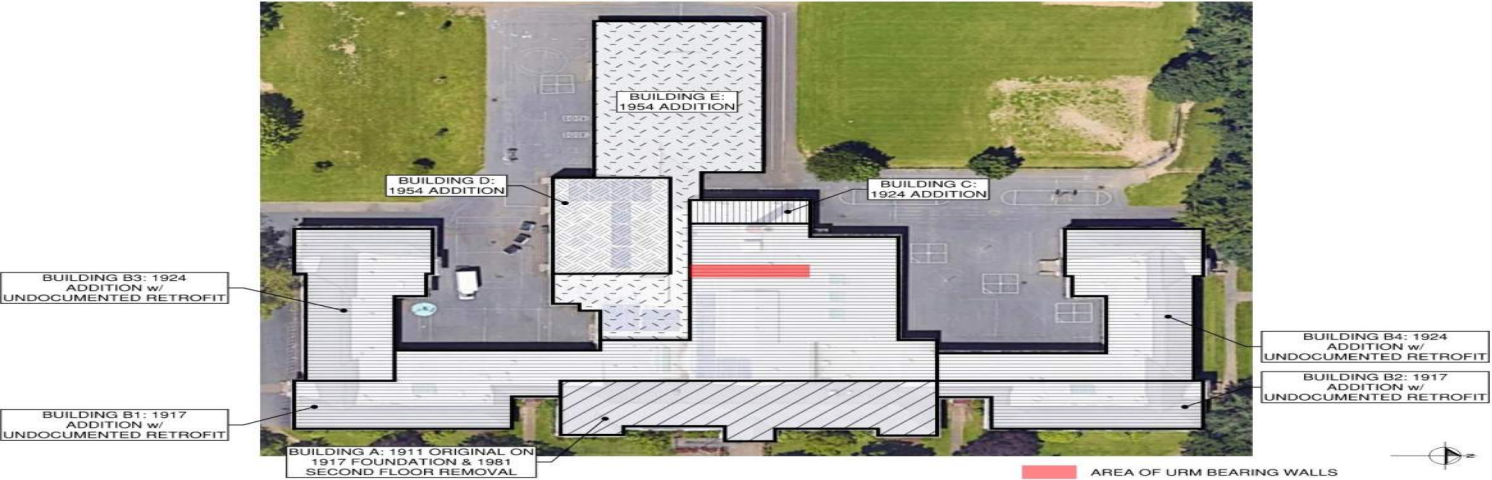
Bldg. B2	1954	0	\$0	\$645,000	1	None	Yes	Insufficient Original Documents	Wood Straight/Diag Sheathing, Wood Joists, Wood Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Masonry Partition Walls URM Chimneys Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Wood Ledgers loaded across grain adj. to parts A	
Bldg. C	1994	0	\$0	\$100,000	1	Crawlspace	No	None	Wood Plywood/OSB, Wood Joists	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Misc. Plan Irregularity Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40')	discontinuous diaphragm	

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Select school from pull down menu:		Woodstock
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	\$255,000	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$8,252,500	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Woodstock

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A	1910	0	\$0	\$1,140,000	1	Crawlspace	No	None	Wood Battens, Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Timber Frame, Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings Inadequate Wood Sill-Foundation Connections (6 ft) Roof Chord Discontinuity Unblocked Diaphragms (4:1, 40') Bowstring truss	Interior walls not continuous to foundation	1917 - current structure relocated to new foundation 1981 - second floor burned/removed & roof level constructed

Bldg. B1	1917	1700	\$255,000	\$2,630,000	1	Crawlspace	No	Insufficient Original Documents	Wood Battens, Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Timber Frame, Wood Framed Walls	W2, URM	Wood Frames (Commercial and Industrial Buildings), Unreinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Severe Vertical Element Size Discontinuity (<50%) Split Levels Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms Bowstring truss Beams, Girders, or Trusses bear on URM wall/pilaster Thin Walls (9 top, 15 first, 13 other/single) No Diaphragm-Wall Connection No Girder-Column Connections	Interior walls not continuous to foundation Boiler Room, Cafetorium windows Battens North Wall of Gym	Partial retrofit observed in attic (retrofit drawings not available) 1987 & 1990 - truss repairs
Bldg. B2	1917	0	\$0	\$512,500	1	Crawlspace	No	Insufficient Original Documents	Wood Battens, Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms	Interior walls not continuous to foundation Boiler Room, Cafetorium windows Battens	Partial retrofit observed in attic (retrofit drawings not available) 1987 & 1990 - truss repairs
Bldg. B3	1924	0	\$0	\$787,500	1	Crawlspace	No	Insufficient Original Documents	Wood Battens, Wood Straight/Diag Sheathing, Wood Joists, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms	interior walls not cont. to fnd Boiler Room, Cafetorium windows Battens	Partial retrofit observed in attic (retrofit drawings not available) 1987 & 1990 - truss repairs

Bldg. B4	1924	0	\$0	\$1,062,500	1	Crawlspace	No	Insufficient Original Documents	Wood Straight/Diag SheathingWood JoistsWood Beams, Conc. CIP Walls	Conc. CIP Walls	C2a	Wood Frames (Commercial and Industrial Buildings)	Inadequate Foundation Ties Severe Vertical Element Size Discontinuity (<50%) Reentrant Corners Non-redundant (< 2 bays in < 2 lines) Masonry Partition Walls Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Unbraced Cripple Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) No Wood Post-Foundation Connections Inadequate Wood Sill-Foundation Connections (6 ft) No Girder-Column Connections Roof Chord Discontinuity Other Diaphragms	Interior walls not continuous to foundation Boiler Room, Cafetorium windows Battens	Partial retrofit observed in attic (retrofit drawings not available) 1987 & 1990 - truss repairs
Bldg. C	1924	0	\$0	\$180,000	1	Daylight	No	Insufficient Original Documents	Concrete 1-way Slab, Concrete Beams	Conc. CIP Walls	C2	Concrete Shear Walls (Stiff Diaphragms)	Seismic Separation (< 1%) URM Chimneys Inadequate In-Plane Shear Under-Reinforced Walls Under-Reinforced Flat Slabs Inadequate Wall-Foundation Connection Diaphragm Reinforcement at Openings	Adjacent to wood framed portion	
Bldg. D	1954	0	\$0	\$660,000	1	None	No	Approximately Complete Original Documents	Wood T+G Plank, Concrete Beams	Conc. CIP Walls	C2a	Concrete Shear Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Seismic Separation (< 1%) Concrete Parapets exceed 2.5:1 Heavy Cladding System Inadequate In-Plane Shear Under-Reinforced Walls Inadequate Wall-Foundation Connection Discontinuous Cross Ties Straight Sheathing (2:1, 24')	Wood Ledgers loaded across grain Adjacent to wood framed portions Glass block windows Shear key only	

Bldg. E	1954	0	\$0	\$1,280,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Trusses	Wood Framed Walls	W2	Wood Frames (Commercial and Industrial Buildings)	Non-redundant (< 2 bays in < 2 lines) Inadequate In-Plane Shear Plaster or Gypsum Shear Walls Large Unbraced Openings No Floor-to-Floor Connections (Shear and OT) Roof Chord Discontinuity Straight Sheathing (2:1, 24')		
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Select school from pull down menu:		Youngson (Pioneer)
URM Database :	NO	Note that is from the the PPS list provided in 2023 and may not reflect recent modifications. See Building Year Plan and Table below for approximate/assumed URM extents (where occurs).
TSI / CSI / Title I (2021-2022):	NO	Per PPS provided list
TOTAL APPROX. URM-ONLY RETROFIT	None	See cover page notes for explanation of ROM cost and URM Only Retrofit
TOTAL APPROX. COMPLETE RETROFIT	\$3,130,000	See cover page notes for explanation of ROM cost



Building Year Plan:
(see below for deficiencies)



Holmes

2024 Assessment Summary: Youngson (Pioneer)

Building Part (See Diagram Above)	Year Built	URM (SF)	ROM URM Only Retrofit	ROM Total Retrofit	No. of Stories	Basement	Penthouse	Drawings Referenced	Structural Horizontal Gravity System(s)	Structural Vertical Gravity System(s)	Lateral System (ASCE Designation)	Lateral System (Description)	Likely Deficiencies	Deficiency Notes	Additional Notes
Bldg. A1	1954	0	\$0	\$1,730,000	1	None	No	Approximately Complete Original Documents	Wood Straight/Diag Sheathing, Wood Trusses, Concrete 2-way Slab	Timber Frame, Conc. CIP Walls	W2, C2	Wood Frames (Commercial and Industrial Buildings), Concrete Shear Walls (Stiff Diaphragms)	Inadequate Foundation Ties Split Levels Reentrant Corners Misc. Plan Irregularity Seismic Separation (< 1%) URM Chimneys Heavy Cladding System Inadequate In-Plane Shear No Girder-Column Connections Straight Sheathing (2:1, 24') Inadequate Wall-Foundation Connection	Some stem walls don't appear to have positive connections at roof and attic Stiffness incompatibility between concrete and timber walls at transformer vault No gap to walkway to Holladay center Brick veneer Very few structural walls in E/W direction Connection detail for post for Truss A not found Limited information on roof sheathing. Described as roof boards. Section J/5 does not show wall-foundation connection	Original structure. Typically wood framed structure with brick veneer. RC walls at the transformer vault. Air floor units under kindergarten classrooms. Truss repair in 1989. Metal roof installed circa 1995 (no drawings)

Bldg. A2	1957	0	\$0	\$1,400,000	1	None	Yes	Approximately Complete Original Documents	Wood Plywood/OSB	Timber Frame, Reinforced CMU Walls	W2, RM1	Wood Frames (Commercial and Industrial Buildings), Reinforced Masonry Bearing Walls (Flexible Diaphragms)	Inadequate Foundation Ties Inadequate Wall Anchorage Split Levels Reentrant Corners Heavy Cladding System Inadequate In-Plane Shear Roof Chord Discontinuity Under-Reinforced Walls No Wall-Foundation Connection	Some stem walls don't appear to have positive connections Check adequacy of OOP connections At roof to fan room Brick veneer Per detail F/4, no vert reinforcement in interior walls CMU wall-foundations details don't show positive connection between wall and foundation No information in general notes on pg 2	Additions to east (classrooms) and south (cafeteria, etc.). Truss repairs were undertaken in 1988-1989. Ceiling around opening above stage appeared to be slightly bowed. Cafeteria walls appear to have some post-installed thru-bolts - time of installation and purpose is unknown.

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