

Welcome



TDA

Educational/
Master Planner



Emily Danis
TDA
Communications



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Hammond
Regional Program
Consultant





Agenda

Overview of Handouts

Focus on Bolich Facility Condition

Focus on Newberry Facility Condition

Tour Bolich School

Tour Newberry Elementary

Questions





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Bolich Middle School – General Information







SF = 96,768 SF

Original Construction: 1953

Additions: 1967 - Media Center

Acres: 45.76 - shared with Newberry ES

Enrollment: 547

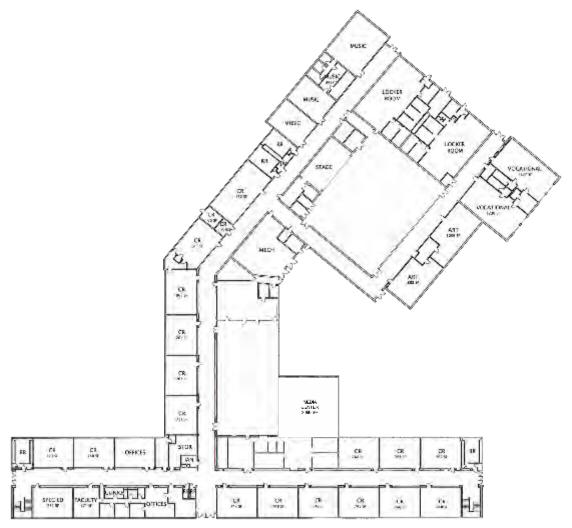
Grades 6-8

Building Capacity: 682 students





Bolich Middle School – Sequence of Construction







Bolich Middle School – Assessment Validation

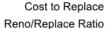
	ltem	Rating	SBDP 2009 FHA October 2014 Update Gandee 2015 EEA 2018 Cost Set	TDA June 2018 Assessment Validation Update	Delta:
A.	Heating System	3	\$3,301,724.16	\$3,301,724.16	\$0.00
В.	Roofing	3	\$1,281,337.60	\$1,784,531.20	\$503,193.60
C.	Ventilation / Air Conditioning	2	\$48,384.00	\$0.00	(\$48,384.00)
D.	Electrical Systems	3	\$1,570,544.64	\$1,570,544.64	\$0.00
E.	Plumbing and Fixtures	3	\$872,176.00	\$882,176.00	\$10,000.00
F.	Windows	3	\$31,417.00	\$176,417.00	\$145,000.00
G.	Structure: Foundation	2	\$25,200.00	\$25,200.00	\$0.00
H.	Structure: Walls and Chimneys	2	\$378,543.75	\$378,543.75	\$0.00
I.	Structure: Floors and Roofs	1	\$0.00	\$0.00	\$0.00
J.	General Finishes	3	\$2,457,122.60	\$2,940,059.60	\$482,937.00
K.	Interior Lighting	3	\$483,840.00	\$483,840.00	\$0.00
L.	Security Systems	3	\$275,788.80	\$340,788.80	\$65,000.00
M.	Emergency/Egress Lighting	3	\$96,768.00	\$96,768.00	\$0.00
N.	Fire Alarm	3	\$169,344.00	\$169,344.00	\$0.00
Ο.	Handicapped Access	2	\$437,430.00	\$456,430.00	\$19,000.00
P.	Site Condition	2	\$559,667.60	\$578,867.60	\$19,200.00
Q.	Sewage System	1	\$0.00	\$16,200.00	\$16,200.00
R.	Water Supply	1	\$0.00	\$0.00	\$0.00
S.	Exterior Doors	3	\$12,000.00	\$12,000.00	\$0.00
T.	Hazardous Material	3	\$337,240.80	\$337,240.80	\$0.00
U.	Life Safety	3	\$339,657.60	\$344,657.60	\$5,000.00
V.	Loose Furnishings	3	\$483,840.00	\$483,840.00	\$0.00
W.	Technology	3	\$838,010.88	\$838,010.88	\$0.00
	Subtotal:		\$14,000,037.43	\$15,217,184.03	\$1,217,146.60
X.	Construction Contingency / Non Construction Costs]	\$3,420,251.14	\$3,717,603.71	\$297,352.57
	Subtotal:]	\$17,420,288.57	\$18,934,787.74	\$1,514,499.17
To	Total Cost (regional cost factor applied (103.60%)):		\$18,047,418.96	\$19,616,440.10	\$1,569,021.14

Reno/Replace Ratio

\$24,229,739.52 74%

\$24,229,739.52 81%





6%

Bolich Middle School - Condition



Exterior doors in Poor condition



ADA barriers present



Window gaskets failing



Asbestos flooring the design creditation



Bolich Middle School- Condition



Louvered interior doors worn



Roofs in poor condition



Guard/handrails not Code compliant

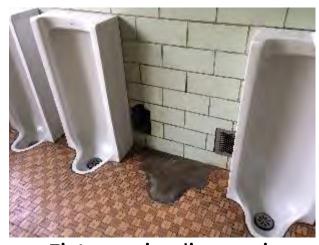




Bolich Middle School - Condition



Dated & worn furniture



Fixtures in disrepair



General finishes worn







Educational Adequacy



SIZE











SIZE

and Flexibility

Student retention is **5%** with a lecture format,

50% with a discussion format and

70% with a practice by doing format.









size and Flexibility







DELTA

-152

N/A

+1,784

+1,248

-146

-987

+727

-116/-316

DAYLIGHTING

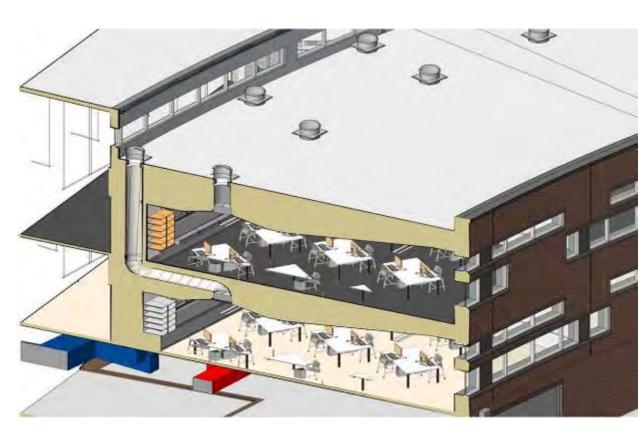




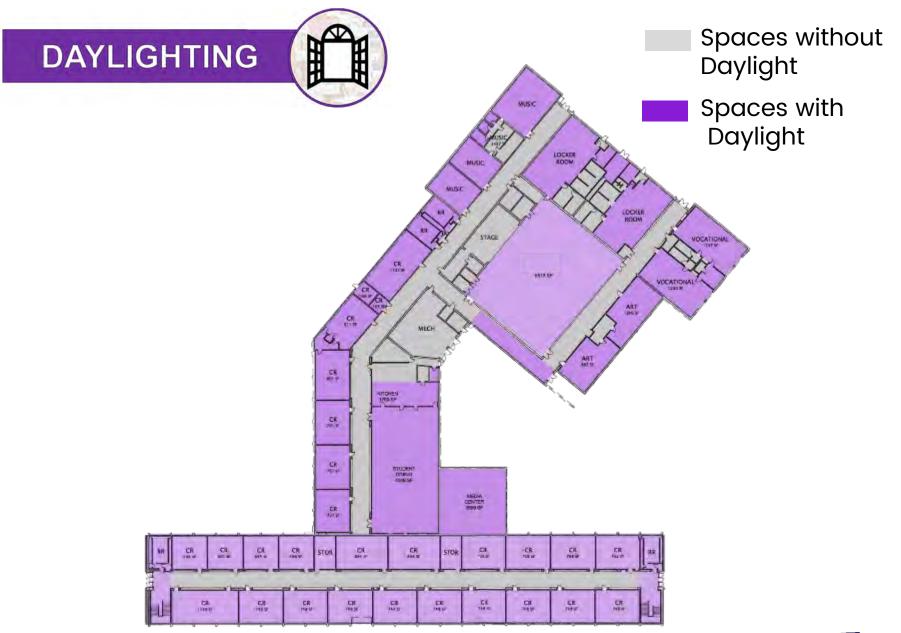
"In one school district, students with the most daylighting in their classrooms progressed 20% faster on math tests and 26% faster on reading tests when compared to students in the least daylit classrooms."

Daylighting in Schools: Improving Student Performance and Health at a Price Schools Can Afford, 2000













SAFETY/SECURITY

"Employing CPTED [Crime Prevention Through Environmental Design] concepts in new school construction and renovations can make substantial improvements, ranging from reconfiguring main entranceways to funnel visitors into the office to enhancing hallway supervision with improved line-ofsight, and reducing bullying by putting restroom sinks in a common area on the outer portion of the bathrooms so adults can better supervise kids washing their hands after using the facilities,"



School Safety A Shared Responsibility, Justine Brown, October 2015

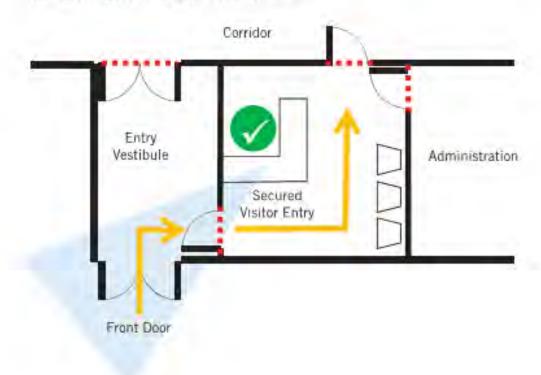


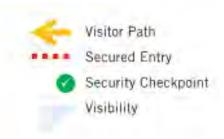




BUILDING SECURITY

FACILITY ENTRY - BEST PRACTICES

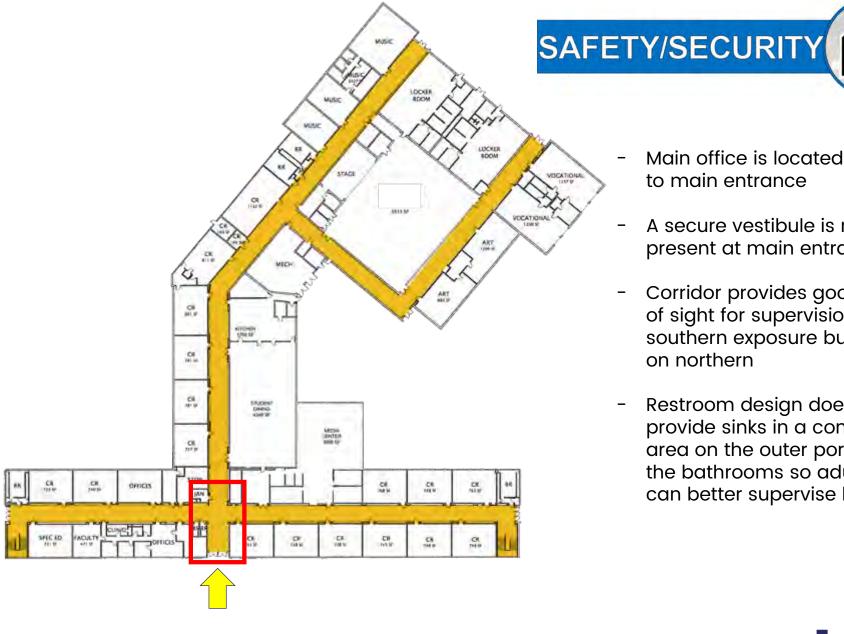


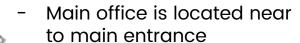


Perkins + Will









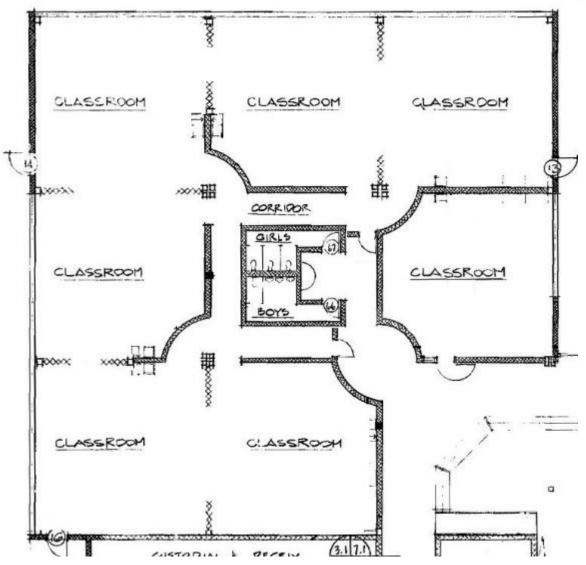
- A secure vestibule is not present at main entrance
- Corridor provides good line of sight for supervision on southern exposure but not on northern
- Restroom design does not provide sinks in a common area on the outer portion of the bathrooms so adults can better supervise kids





SAFETY/SECURITY :









Bolich Middle School - Summary

- The overall renovation cost continues to increase and condition continues to deteriorate
- Site is large and has ample greenspace and room for expansion.
- Typical classrooms and science rooms are undersized compared to State standards and are static.
- The school has a generous amount of daylight nearly all teaching/learning spaces are provided with natural light
- Some corridors provide good line of site, but others have multiple bends and turns, prohibiting supervision. The facility lacks security/safety features in the restroom design to inhibit opportunities for bullying and there is no secure vestibule entrance for enhanced security control.





Agenda

Overview of Handouts

Focus on Bolich Facility
Condition

Focus on Newberry Facility Condition

Tour Bolich School

Tour Newberry Elementary

Questions





Newberry ES – General Information







SF = 42,774 SF

Original Construction: 1956

Additions: 1957 – 6 CR addition (north)

Acres: 45.76 - shared with Bolich MS

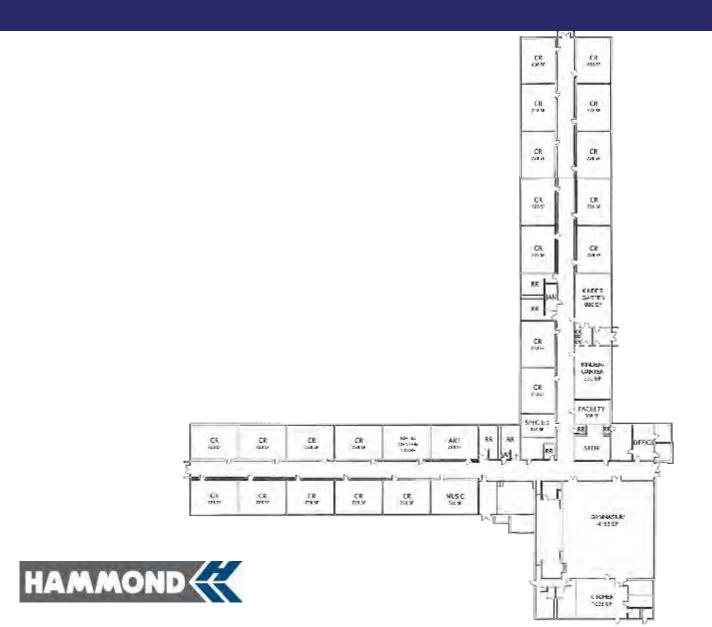
Enrollment: N/A

Building Capacity: 382 students





Newberry ES - Sequence of Construction





Newberry ES – Assessment Validation

	Item	Rating	SBDF 2009 FHA October 2014 Update Gandee 2015 EEA 2018 Cost Set
A.	Heating System	3	\$1,459,448.88
	Roofing	3	\$699,007.20
C.	Ventilation / Air Conditioning	2	\$21,387.00
D.	Electrical Systems	3	\$694,222.02
E.	Plumbing and Fixtures	3	\$414,918,00
F.	Windows	2	\$444,844.00
G.	Structure: Foundation	2	\$39,175.00
H.	Structure: Walls and Chimneys	2	\$259,590.75
1.	Structure: Floors and Roofs	1	\$0.00
J.	General Finishes	3	\$1,182,749.20
K.	Interior Lighting	3	\$213,870.00
L.	Security Systems	3	\$121,905.90
V.	Emergency/Egress Lighting	3	\$42,774.00
N.	Fire Alarm	3	\$74,854.50
0.	Handicapped Access	2	\$332,355.00
P.	Site Condition	3	\$291,030.36
۵.	Sewage System	1	\$0.00
₹.	Water Supply	1	\$0.00
S.	Exterior Doors	2	\$11,100.00
	Hazardous Material	3	\$157,927.40
=:	Life Safety	3	\$153,011.80
	Loose Furnishings	3	\$213,870.00
٧.	Technology	3	\$525,989.02
	Subtotal:		\$7,354,030.03
X.	Construction Contingency / Non Construction Costs		\$1,796,611.60
	Total		\$9,150,641.63
1	Total Cost (regional cost factor applied (103.60%)):		\$9,480,064,73

TDA June 2018
Assessment Validation
Update
Оровее
\$1,459,448.88
\$862,521.60
\$0.00
\$694,222.02
\$414,918.00
\$435,444.00
\$56,140.00
\$259,590.75
\$0.00
\$1,310,729.70
\$213,870.00
\$181,905.90
\$42,774.00
\$74,854.50
\$340,909.80
\$295,800.36
\$0.00
\$0.00
\$11,100.00
\$157,927.40
\$155,911.80
\$213,870.00
\$525,989.02
\$7,707,927.73
\$1,883,069.87
\$9.590,997.60
\$9,936,273.51

Delta:
\$0.00
\$163,514.40
(\$21,387.00)
\$0.00
50,00
(\$9,400.00)
\$16,965.00
\$0,00
\$0.00
\$127,980.50
\$0.00
\$60,000.00
\$0.00
\$0,00
\$8,554.80
\$4,770.00
\$0.00
\$0.00
\$0.00
\$0.00
\$2,900.00
\$0.00
\$0.00
\$353,897,70
\$86,458.27
\$440,355.97
\$456,208.78

Cost to Replace Reno/Replace Ratio \$11,350,508.64

,04

\$11,350,508.64

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Newberry ES - Condition



No A/C and outdated Heating / Ventilation System



Unit Ventilators do not provide code required amounts of fresh air



Outdated furnishings





Newberry ES - Condition



Roofs have multiple layers and some in worn condition



Minimal security system



Electrical system is original and in poor condition





Newberry ES - Condition



- Fire alarm system does not meet OB Code, NFPA, or OSDM
 - 2) Perforated wall board contains asbestos



Kitchen & general finishes dated/worn



VAT flooring in CR's







Educational Adequacy



SIZE











SIZE

and Flexibility

Student retention is **5%** with a lecture format,

50% with a discussion format and

70% with a practice by doing format.









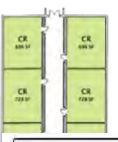
and Flexibility

SEDIA CENTER T23-SF

CR

ART 225 SF

MUSIC 7783F



713 SF

SPEC ED

SYMMASIUM AUGUSE

KITCHEN 1038 SF

	EXISTING SF	OFCC RECOMMENDED SF	DELTA SF
CLASSROOMS	avg 728	900	-172
KINDERGARTEN	990	1,200	-210
MEDIA CENTER	728	1,146	-418
STUDENT DINING	none	3,000	-3,000
KITCHEN	1,038	1,337	-299
GYMNASIUM	4,153	3,500	+653
MUSIC	728	1,200	-472
SCIENCE	N/A	N/A	N/A

Size Requirements based on

Capacity enrollment of 382 students

Gym and student dining shared

space

Media Center & Music in typical CR



CR 728 SF

CR 7793F

CR 725 SF CR 728 5

CR 728 N CR 72838



DAYLIGHTING

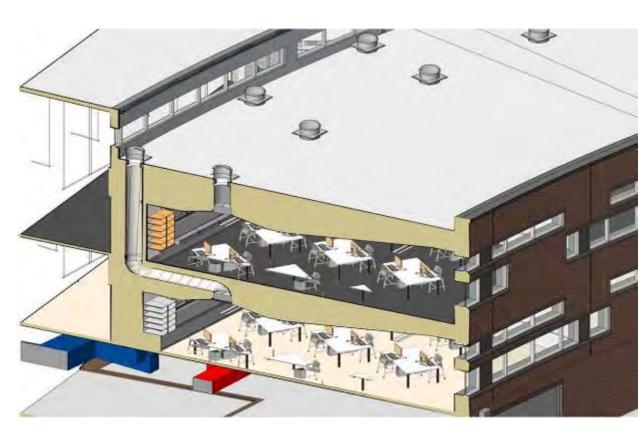




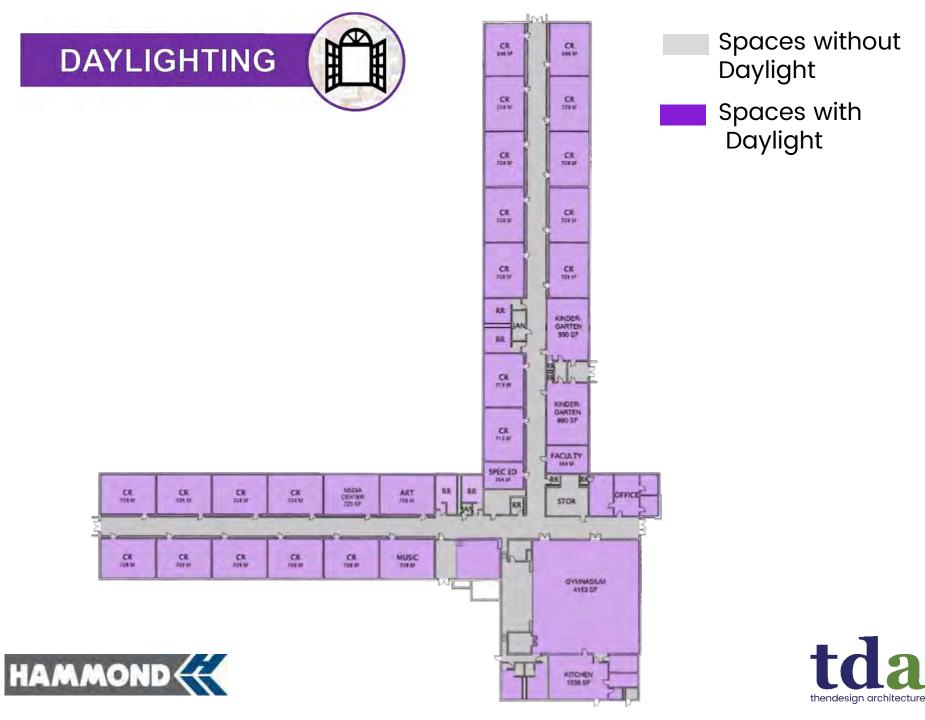
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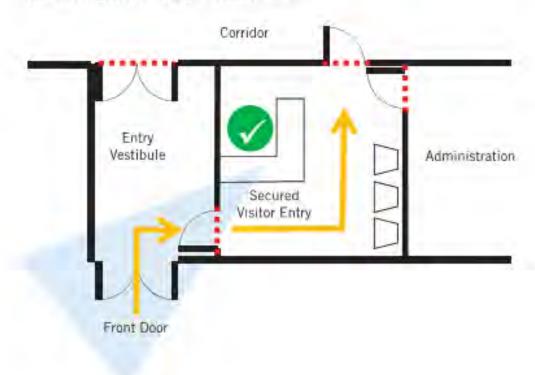


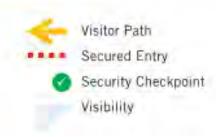




BUILDING SECURITY

FACILITY ENTRY - BEST PRACTICES





Perkins + Will







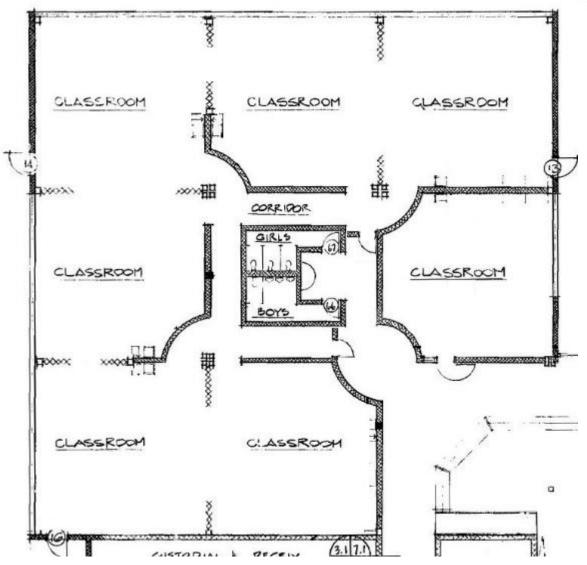


- Main office is located near to main entrance
- A secure vestibule is not present at main entrance
- Corridor provides great line of sight for supervision
- Restroom design does not provide sinks in a common area on the outer portion of the bathrooms so adults can better supervise kids



SAFETY/SECURITY :









Newberry ES – Summary

- The overall renovation cost continues to increase and condition continues to deteriorate
- Site is large and has ample greenspace and room for expansion.
- Typical classrooms and Kindergarten rooms are undersized compared to State standards and are static.
- There is not a separate gym and cafeteria it's a shared space
- The school has a generous amount of daylight nearly all teaching/learning spaces are provided with natural light
- Corridors have a great line of sight supporting visual supervision. The facility lacks security/safety features in the restroom design to inhibit opportunities for bullying and there is no secure vestibule entrance for enhanced security control.





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