

02

kiel middle school

SUMMARY

Kiel Middle School provides a comprehensive program for 5th grade - 8th grade students.

Student Population: 347 students

Grades Served: 5th - 8th Grades

Site Size: 7.64 acres

Parking: 84 stalls

Scorecard Rating



65.0%



Architectural Condition



ADA Condition



Building Systems

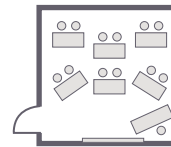


Original Date of Construction

1928

As of 2022: 94 years old

Average Core Classroom Size Comparison



840 sq. ft.

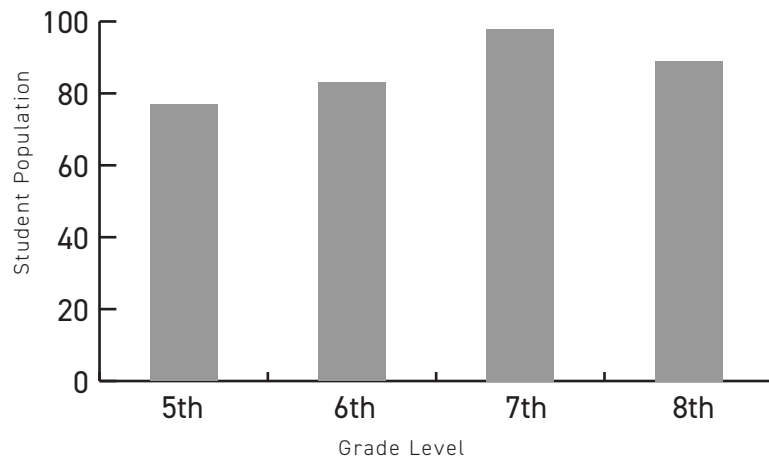
Recommended Size

5th - 8th: 900 sq. ft.

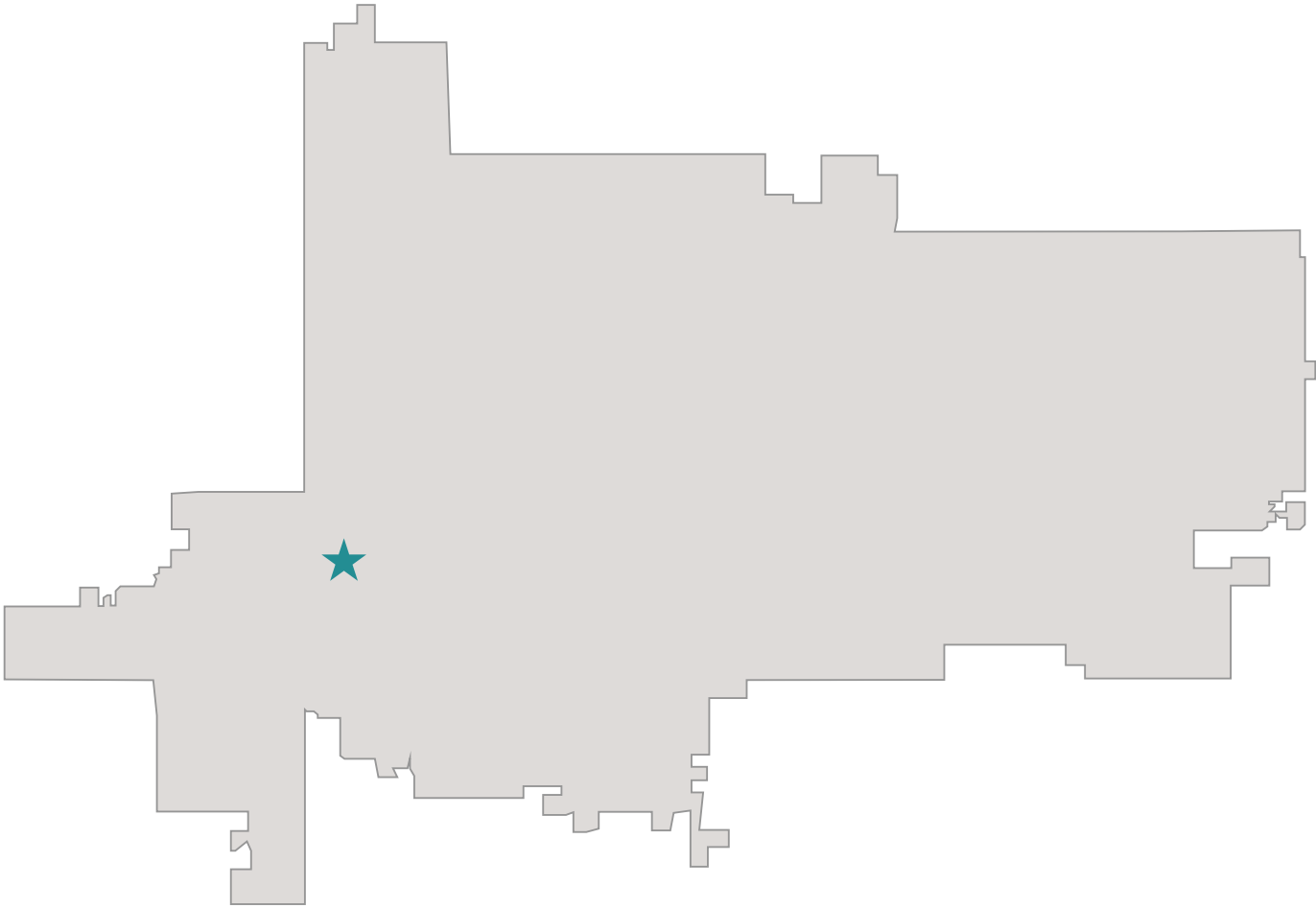
Square Footage

102,160
Sq. Ft.

Kiel Middle School 2021 - 2022 School Enrollment (Grade Level)



kiel middle school



*School Location within Kiel Area School District Boundaries.

KEY TAKEAWAYS

- The parcel is divided into two separate areas by St. Paul Street.
- There are three parking lots on the site, two located north of the building and one located south-east of it.
- The south side of the parcel is primarily green space and pavement.

PARCEL DIVISION



- Building
- Playgrounds
- Paved Area
- Athletic Fields
- Green space

BUSES ON SITE



Number of Bus Routes: 11

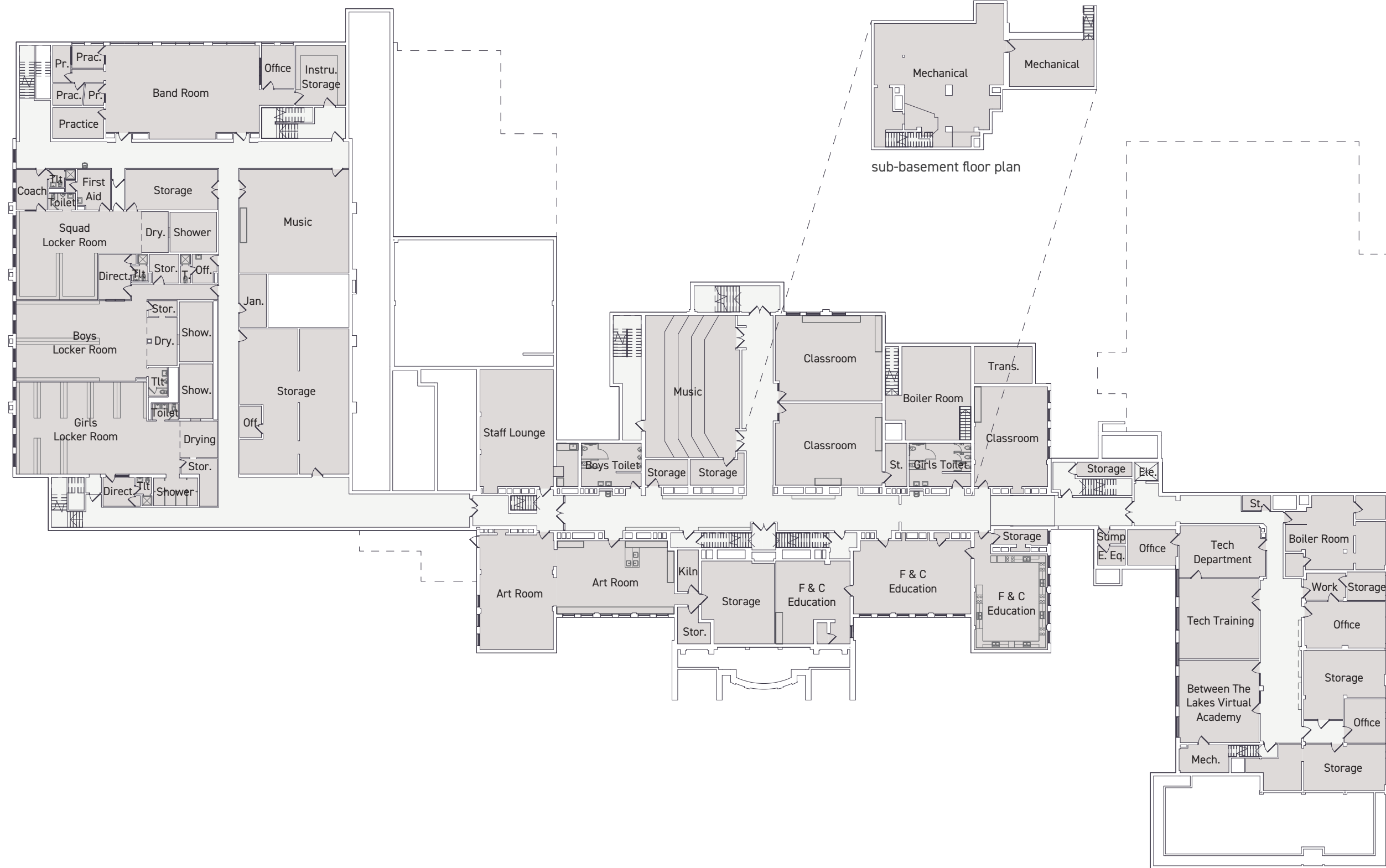
kiel middle school site map



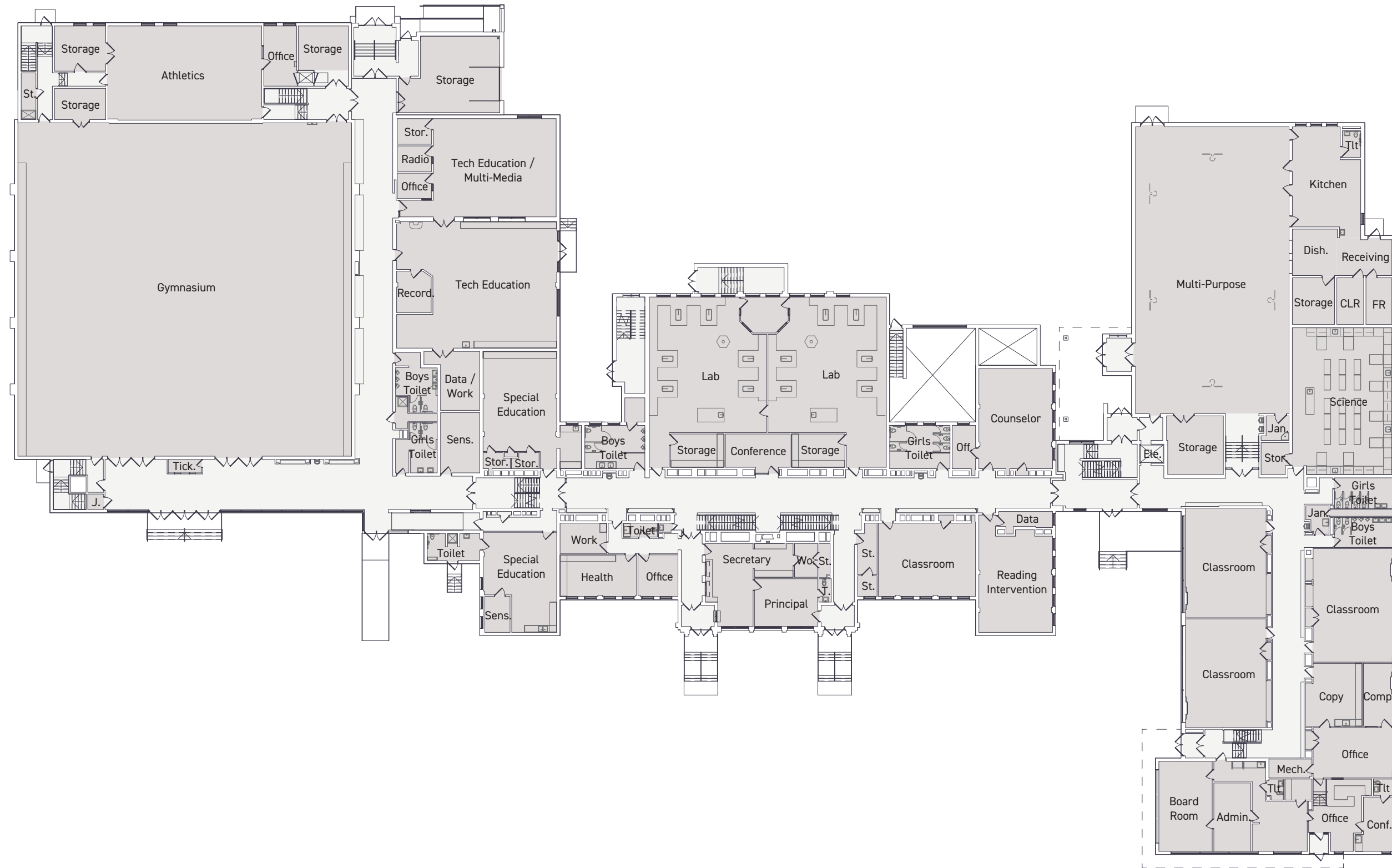
kiel middle school building evolution



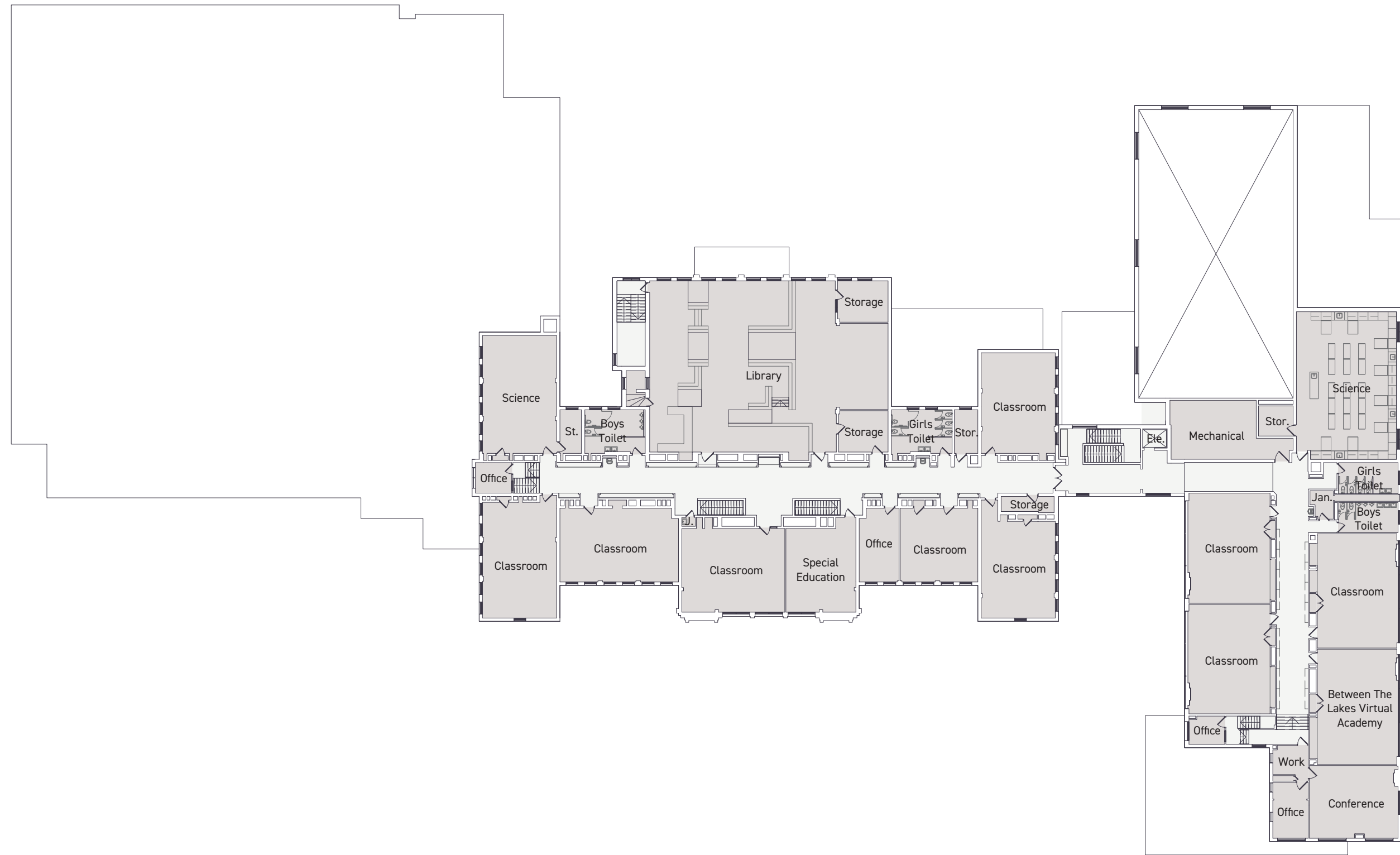
kiel middle school floor plan | lower level



kiel middle school floor plan | first floor



kiel middle school floor plan | second floor



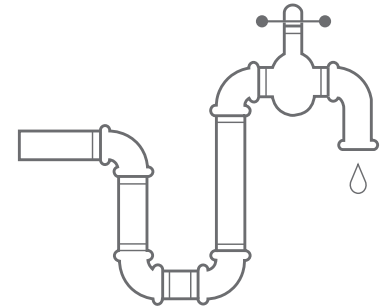
kiel middle school building systems summary

- **Good Condition**
 No visible damage, wear or need for repair; no replacement needed.
- **Fair Condition**
 Some visible damage, wear or need for repair; no immediate replacement required.
- **Poor Condition**
 Substantial visible damage, wear or need for repair, or identified as containing potential asbestos; most pressing replacement needed.

Plumbing Condition Overview



Replace original sanitary and storm piping in lower level.



PLUMBING

Domestic Water System ■

Water Service	●	4" Ductile Iron with 3" water meter with bypass. 2" Ductile Iron with 2" water meter without bypass.
Water Distribution Piping	●	Original addition piping is poor, newer addition piping is fair.
Water Softening System	●	Supplies main water heater and building mixing valve. The Gymnasium area water is not softened.
Fire Sprinkler System	○	

Sanitary System ■

Sanitary Waste System	●	Cast iron and PVC piping. Underground piping likely in poor condition. Visible cast iron piping appears to be in poor condition.
Sanitary Waste + Vent Piping	●	
Acid Waste + Vent Piping	●	Sinks appear to have Polypropylene pipe material.
Interceptors	●	Exterior grease interceptor.
Sump Pump	●	Lower levels rely on sump systems.

Storm System ■

Storm System	●	Cats Iron and PVC piping.
Storm Waste Piping	●	
Sump Pump	●	Lower levels rely on sump systems.

* See appendix for full engineer reports + more information.

kiel middle school building systems summary

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Plumbing Condition Overview



Replace original water coolers with new coolers and bottle fillers.



PLUMBING

Plumbing Equipment

Water Heater	●	Original + 1951 Addition: 199,999 BTU/H, 100 gallon; High efficiency installed ~2014. Same in 1956 Addition. Kitchen Addition: 199,999 BTU/H, 60 Gallon High efficiency installed ~2021.
Circulator Pump	●	
Water Softener	●	Impression by Water Right
Thermostatic Mixing Valve	■	
Sanitary Ejector Pumps	●	No issues reported.
Clear Water Sump Pumps	●	No issues reported.

Plumbing Fixtures

Water Closets	●	The majority of the fixtures are in fair condition. There were a few original fixtures that are in poor condition.
Urinals	●	The majority of the fixtures are in fair condition. There were a few original fixtures that are in poor condition.
Lavatories	●	The majority of the fixtures are in fair condition. There were a few original fixtures that are in poor condition.
Drinking Fountains	●	Many of these have been replaced with new fixtures, but the original fixtures are in poor condition.
Classroom Sinks	●	The majority of the fixtures are in fair condition. There were a few original fixtures that are in poor condition.
General Sinks	●	The majority of the fixtures are in fair condition. There were a few original fixtures that are in poor condition.
Art Room Sinks	●	
Science Sinks	●	
Service Sinks	●	
Emergency Eyewash Stations	●	Appears to just have cold water supply.

* See appendix for full engineer reports + more information.

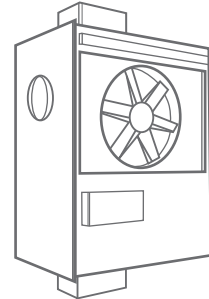
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Mechanical Condition Overview



Provide air conditioning to areas that are not conditioned.



MECHANICAL

Heating



Boiler Plant	●	(4) Thermal Solutions Boilers (1,500 MBH input), installed in 2000 + at end of service life.
Pumps	●	(2) sets of inline pumps. Installed in 2000 + at end of service life.

Ventilation + A/C Systems



AHU-1 with Condensing Unit	●	Installed in 2000. AHU near end of service life. Condensing unit at end of service life.
AHU-2 with Condensing Unit	●	Installed in 2000. AHU near end of service life. Condensing unit at end of service life.
AHU-3 - Heating Only	●	Installed in 2000. AHU near end of service life. Condensing unit at end of service life.
AHU-4 - Heating Only	●	Installed in 2000. AHU near end of service life. Condensing unit at end of service life.
AHU-5 - Aeon RTU	●	Roof mounted Aeon packaged RTU. Recently replaced + in like-new condition.
AHU-6	●	Unit is suspended in space + exceeded service life.
Gymnasium AHU	●	Originally served by (2) indoor AHU's. One unit has been abandoned + the other unit has been refurbished.
Athletics AHU	●	Installed in 2000 + near end of service life.
Band RTU	●	Installed in 2000 + near end of service life.
Library RTU	●	Packaged 10-ton RTU installed in 2000 + exceeded service life.
Classroom RTU	●	Packaged 4-ton RTU installed in 2000 + exceeded service life.
District Offices	●	(4) Furnaces and associated condensing unit installed in 2000 + exceeded their service life.
Classroom Unit Ventilators	●	Units are heating only.

Control Systems



Some digital controls for AHU Systems. Many areas have pneumatic controls.

* See appendix for full engineer reports + more information.

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Electrical Condition Overview



Replace panelboards original to pre-1993 construction.



ELECTRICAL

Electrical Service



Utility Service



May need replacement depending on additional load of significant addition or air conditioning load.

Service Panel



May need replacement depending on additional load of significant addition or air conditioning load.

Panelboards



Approximately (8) panelboards are original to pre-1993 additions and renovations.

Light Fixtures + Controls



Interior Lighting



Mostly fluorescent fixtures with LED lamps.

Corridor Lighting



Mostly fluorescent fixtures with LED lamps.

Exterior Lights



Wiring Devices



Lacking receptacles and circuits in 1928, 1951, 1952, 1956, + 1957 classrooms.

Clock System



System no longer synchronizes, and manufacturer no longer exists.

Data System



Limited space around floor racks, and multiple wall racks.

Sound Systems



* See appendix for full engineer reports + more information.

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Life Safety Condition Overview



Replace old-style exit lights with LED type.



LIFE SAFETY

Emergency Generator	■	Combined emergency & optional standby loads.
Emergency Lighting	■	Some old-style exit lights.
Fire Alarm System	■	Newer addressable type.
Intercom System	■	Older Dukane system.
Intrusion Alarm System	■	
Access Control System	■	
Video Surveillance System	■	

* See appendix for full engineer reports + more information.

kiel middle school interior analysis

OVERALL CONDITION RATING & KEY TAKEAWAYS



- Majority of concrete walls in the lower level are in poor condition due to cracking and staining.
- Terrazzo base throughout the building is in poor condition due to cracking and crumbling.
- Majority of wood doors throughout the building are in poor condition due to denting and surface scratches.
- There are some instances where metal lockers are dented and have surface scratches.

WALLS

- 1 Gypsum
- 2 Concrete
- 3 Concrete Block
- 4 Brick
- 5 Tile
- 6 Plaster
- 7 Structural Glazed Tile
- 8 Vinyl Base
- 9 Tile Base
- 10 Concrete Block Base
- 11 Terrazzo Base

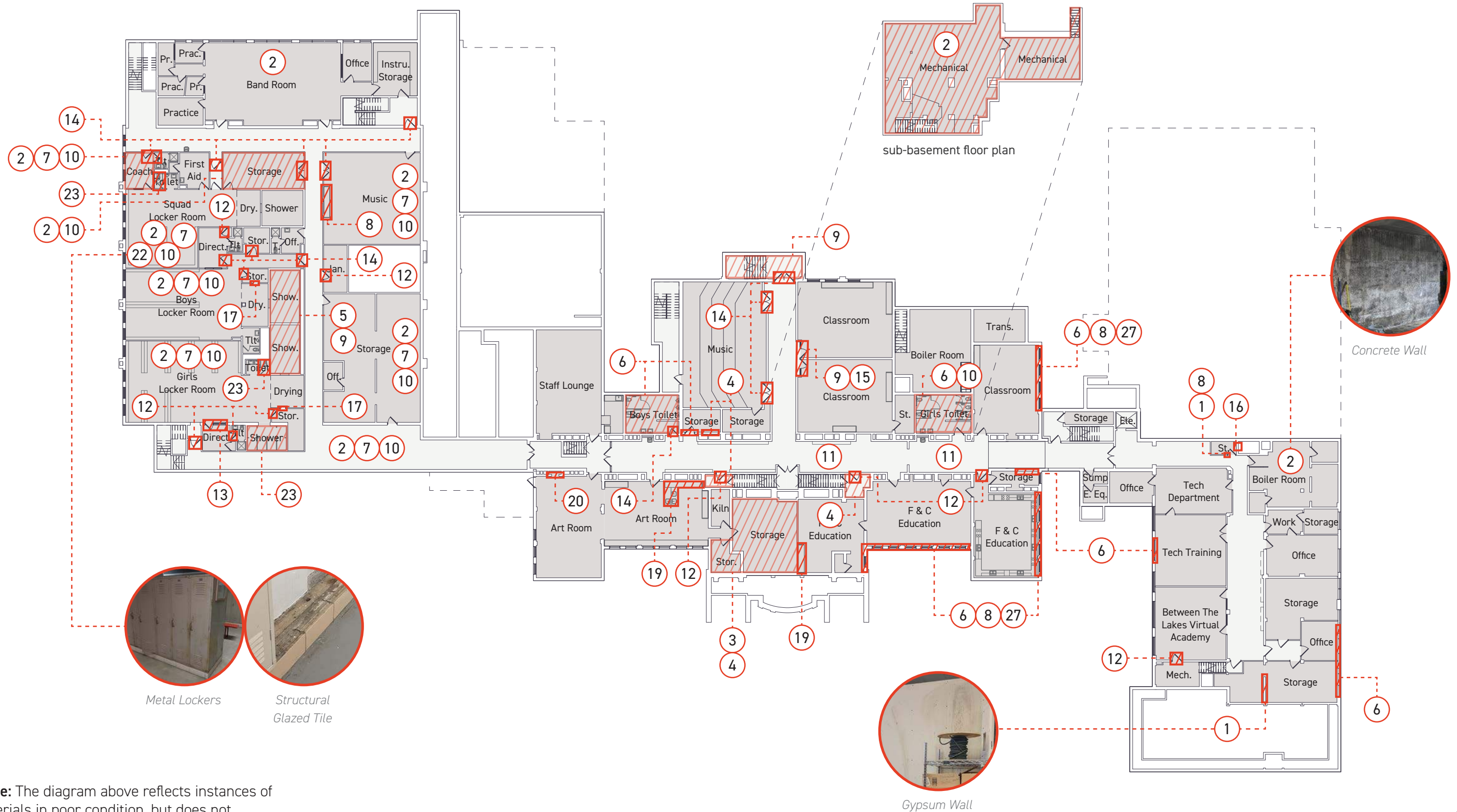
DOORS / OPENINGS

- 12 Wood Door w/ Wood Frame
- 13 Wood Door w/ Wood Frame + Sidelite
- 14 Wood Door w/ Hollow Metal Frame
- 15 Wood Door w/ Hollow Metal Frame + Sidelite
- 16 Hollow Metal Door w/ Hollow Metal Frame
- 17 Wood Frame Interior Window
- 18 Hollow Metal Framed Interior Window

MISCELLANEOUS

- 19 Laminate Casework
- 20 Wood Casework
- 21 Metal Casework
- 22 Metal Lockers
- 23 Metal Toilet Partitions
- 24 Locker Room Benches
- 25 Laminate Interior Window Sill
- 26 Tile Interior Window Sill
- 27 Wood Interior Window Sill
- 28 Bleachers
- 29 Wood Display Cases
- 30 Wood Shelves + Coat Hooks

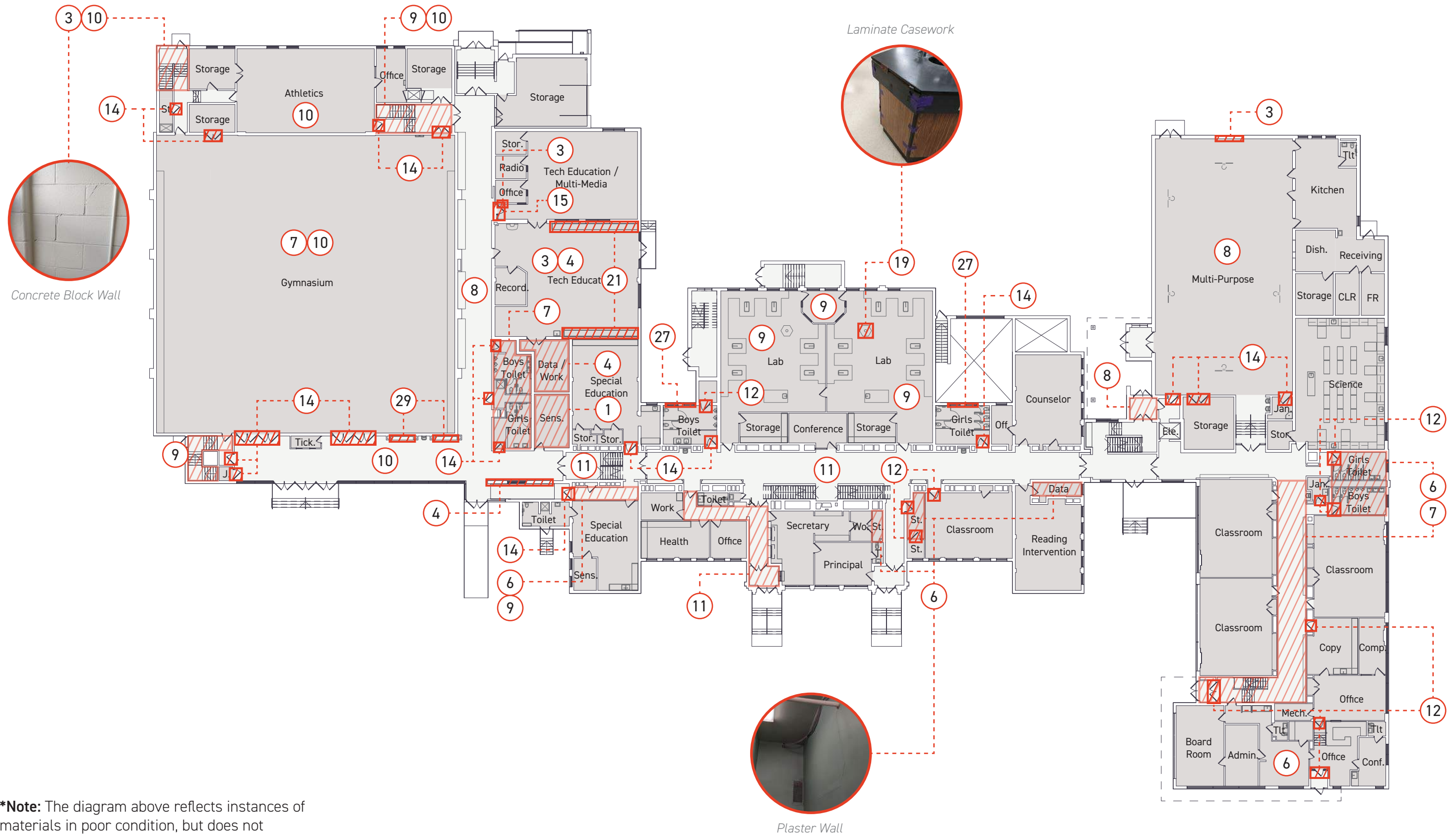
kiel middle school interior identifications + analysis | lower level



***Note:** The diagram above reflects instances of materials in poor condition, but does not reflect the material's overall condition.

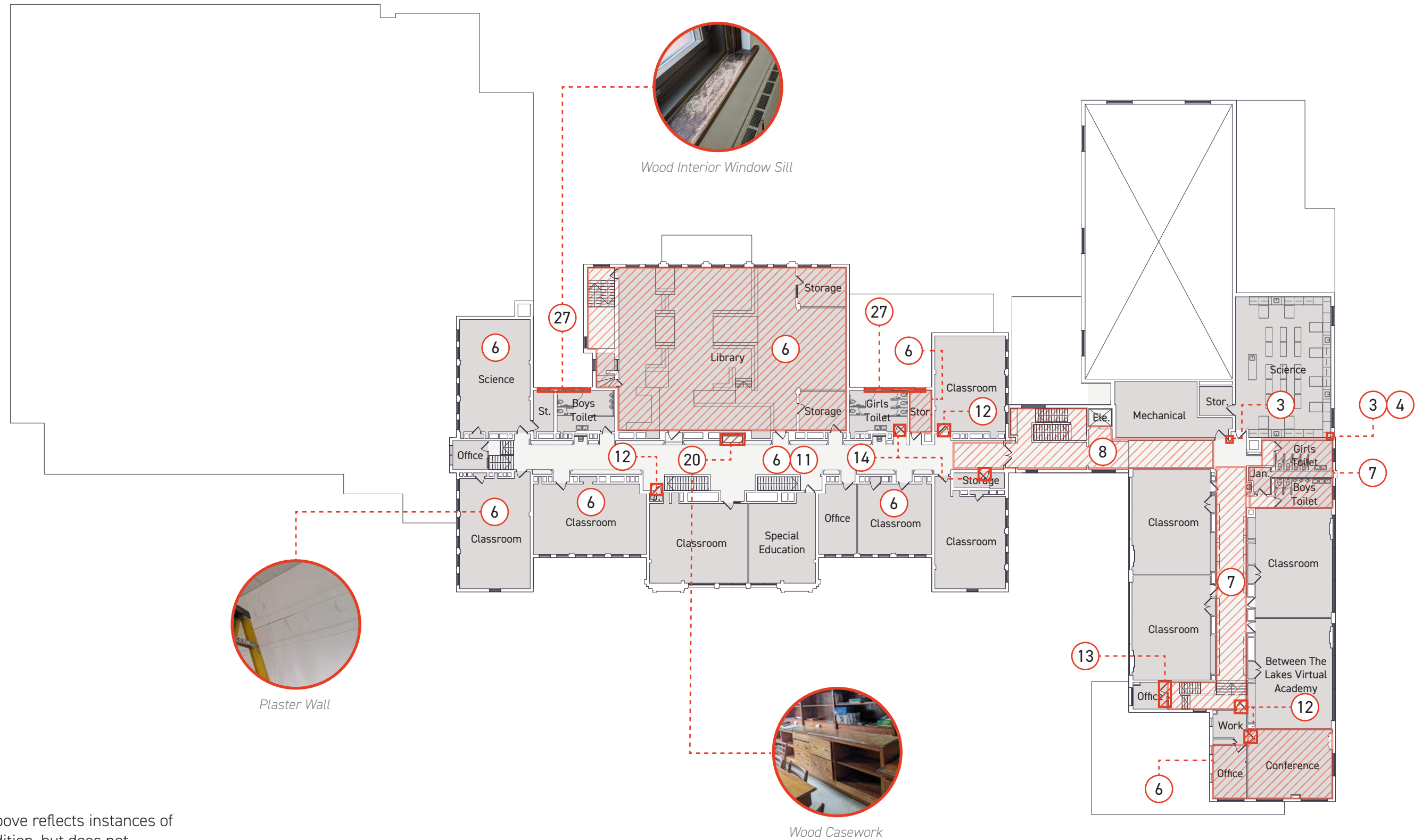


kiel middle school interior identifications + analysis | first floor



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kiel middle school interior identifications + analysis | second floor

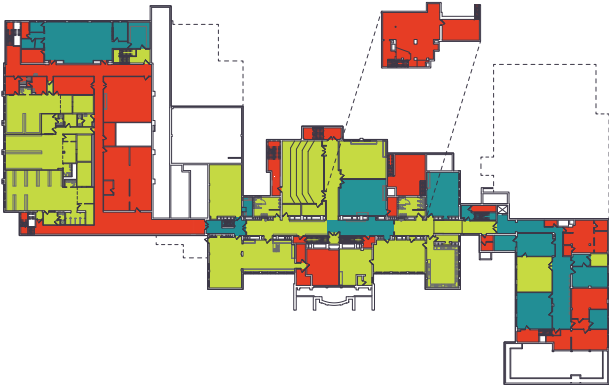


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kiel middle school ceiling analysis



Lower Level



Second Floor

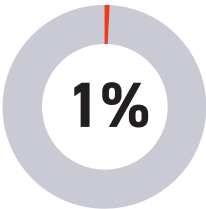


First Floor

KEY TAKEAWAYS

- Concrete ceilings in the lower level of the building are in poor condition due to cracking, staining, and crumbling.
- There are instances of acoustical tile ceilings in poor condition due to missing tiles.
- Materials identified as potentially containing asbestos are considered to be in poor condition.
- Spline ceilings are identified as potentially containing asbestos.

HIGHLIGHT



of ceilings were identified as potentially containing asbestos

OVERALL CEILING CONDITION



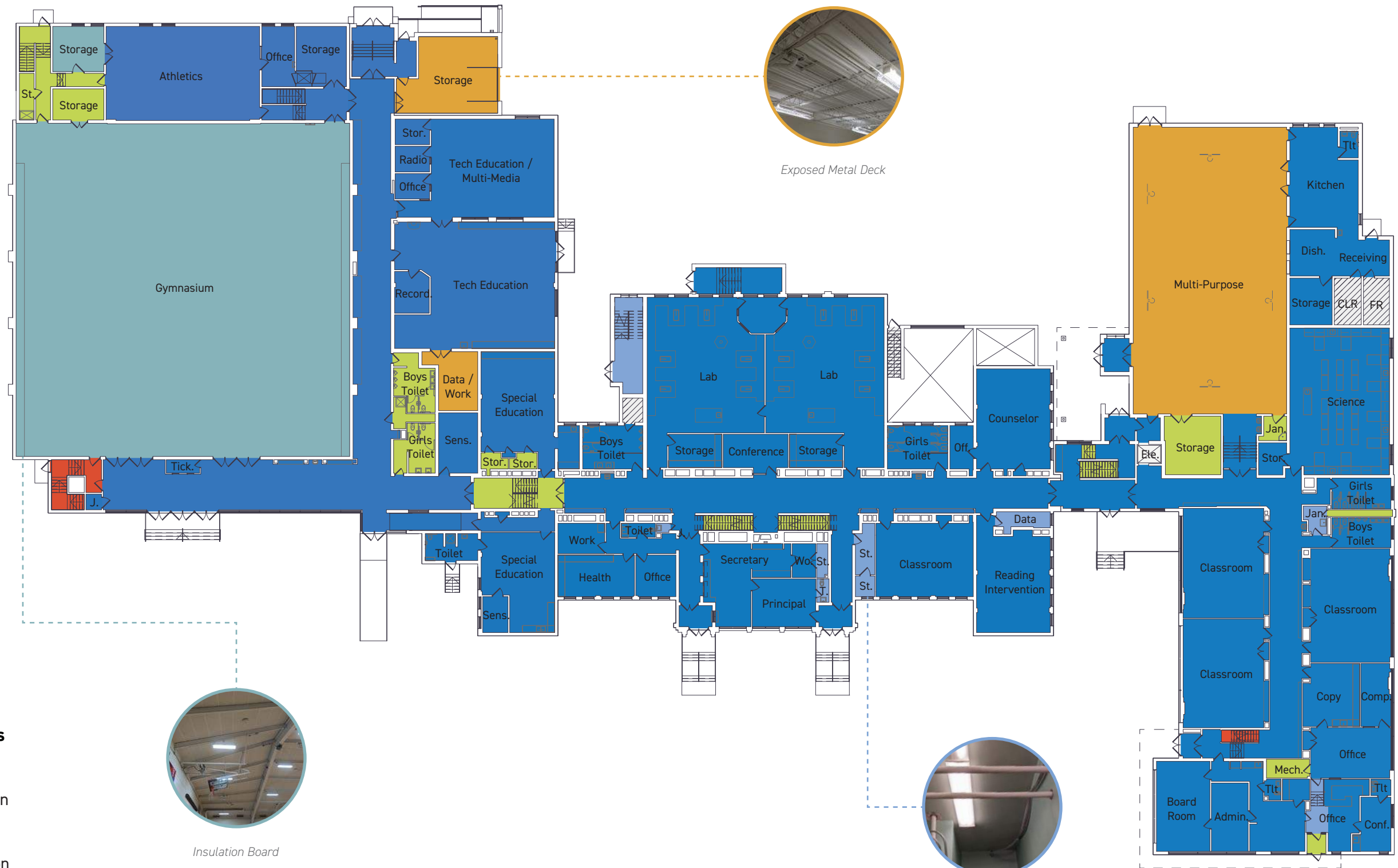
- Good | No visible damage
- Fair | Some visible damage
- Poor | Substantial visible damage

kiel middle school ceiling material identification | first floor

Color Key



- Acoustical Ceiling Tile
- Plaster
- Gypsum
- Insulation Board
- Concrete
- No Data
- Exposed Metal Deck
- Spline

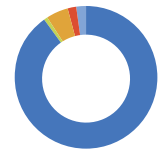


Potential of Asbestos Containing Materials

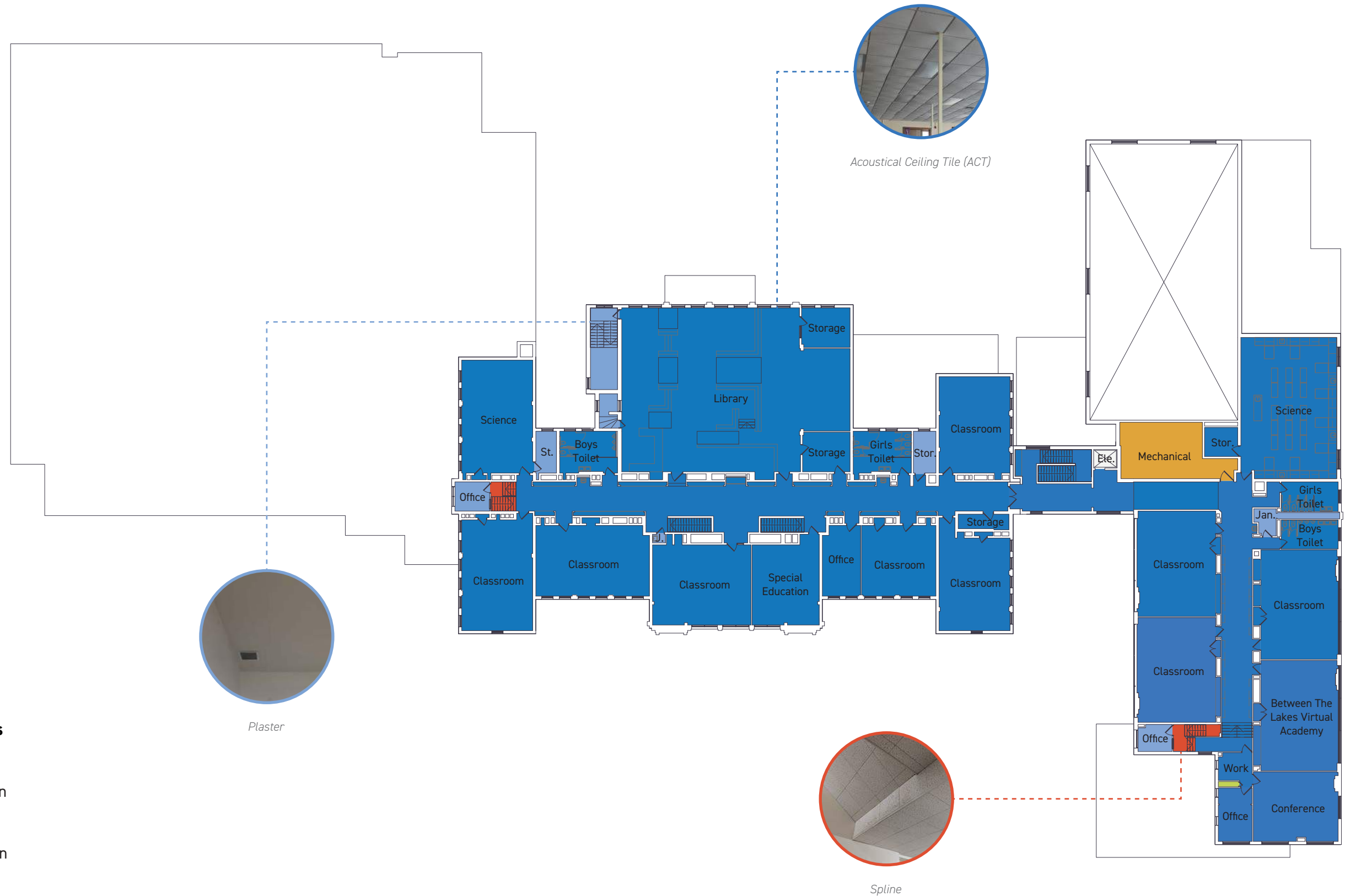
Asbestos is a material that was used in the construction industry, most commonly between 1960 - 1990. **There was no asbestos testing performed for this assessment.** Observations and assumptions were made based on common older building materials that typically have been identified to containing asbestos.

kiel middle school ceiling material identification | second floor

Color Key



- Acoustical Ceiling Tile
- Plaster
- Gypsum
- Concrete
- Exposed Metal Deck
- Spline
- Insulation Board
- ◉ No Data



Potential of Asbestos Containing Materials

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kiel middle school flooring analysis



Lower Level



Second Floor

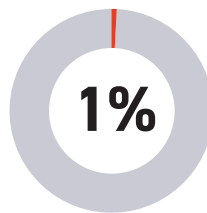


First Floor

KEY TAKEAWAYS

- Majority of floors in the lower level are in poor condition due to scratching and staining.
- There are instances where terrazzo flooring is in poor condition due to cracking.
- 9" x 9" vinyl tile is identified as a material potentially containing asbestos.
- Materials identified as potentially containing asbestos are considered to be in poor condition.

HIGHLIGHT



of floors were identified as potentially containing asbestos

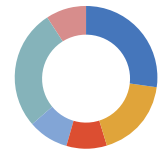
OVERALL FLOORING CONDITION



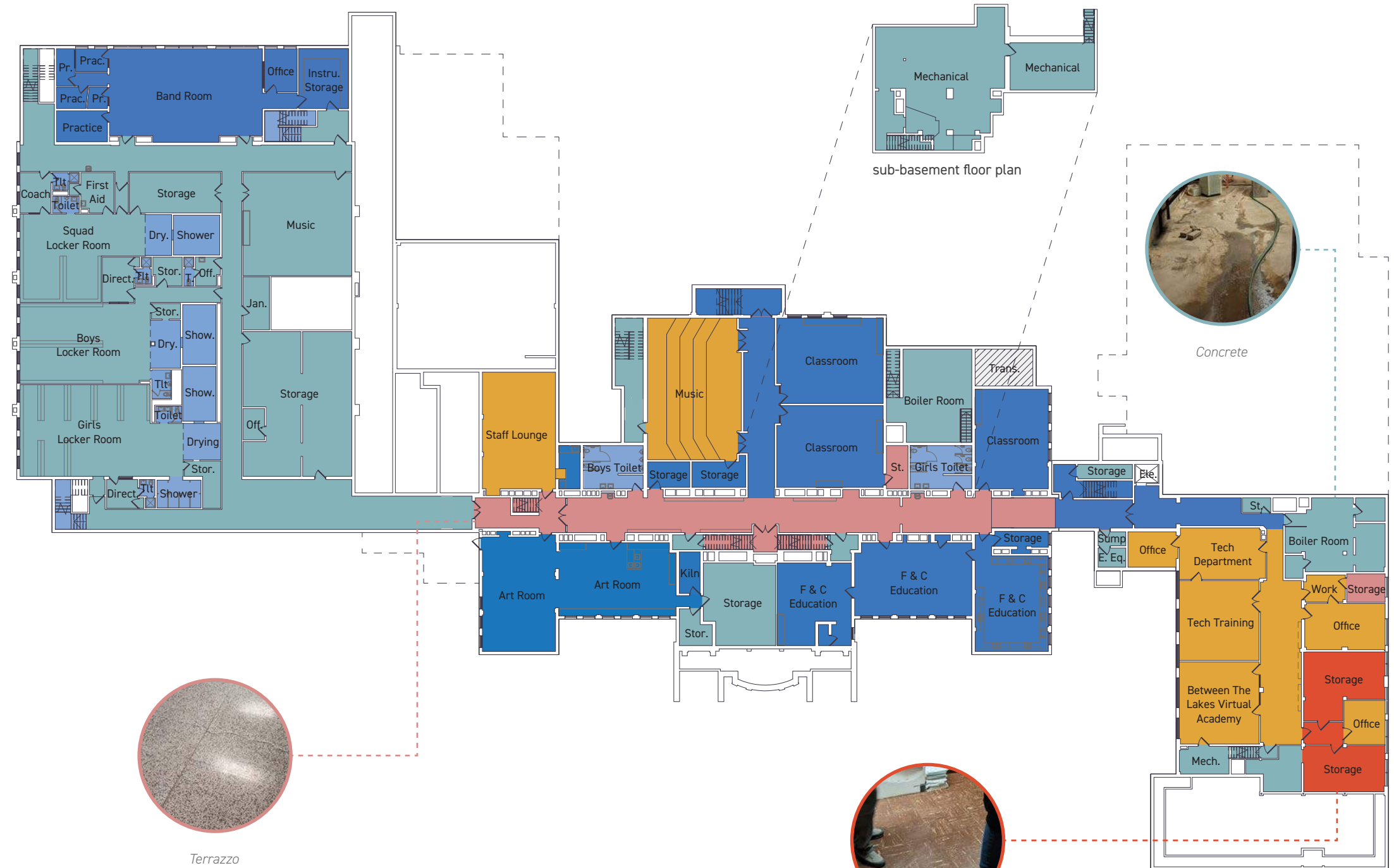
- Good No visible damage
- Fair Some visible damage
- Poor Substantial visible damage

kiel middle school flooring material identification | lower level

Color Key



- Vinyl Composite Tile
- Carpet Tile
- Rubber
- Carpet
- Potential Asbestos Tile
- Tile
- Concrete
- Epoxy
- Wood
- Terrazzo
- Quarry Tile
- Vinyl
- No Data



Potential of Asbestos Containing Materials

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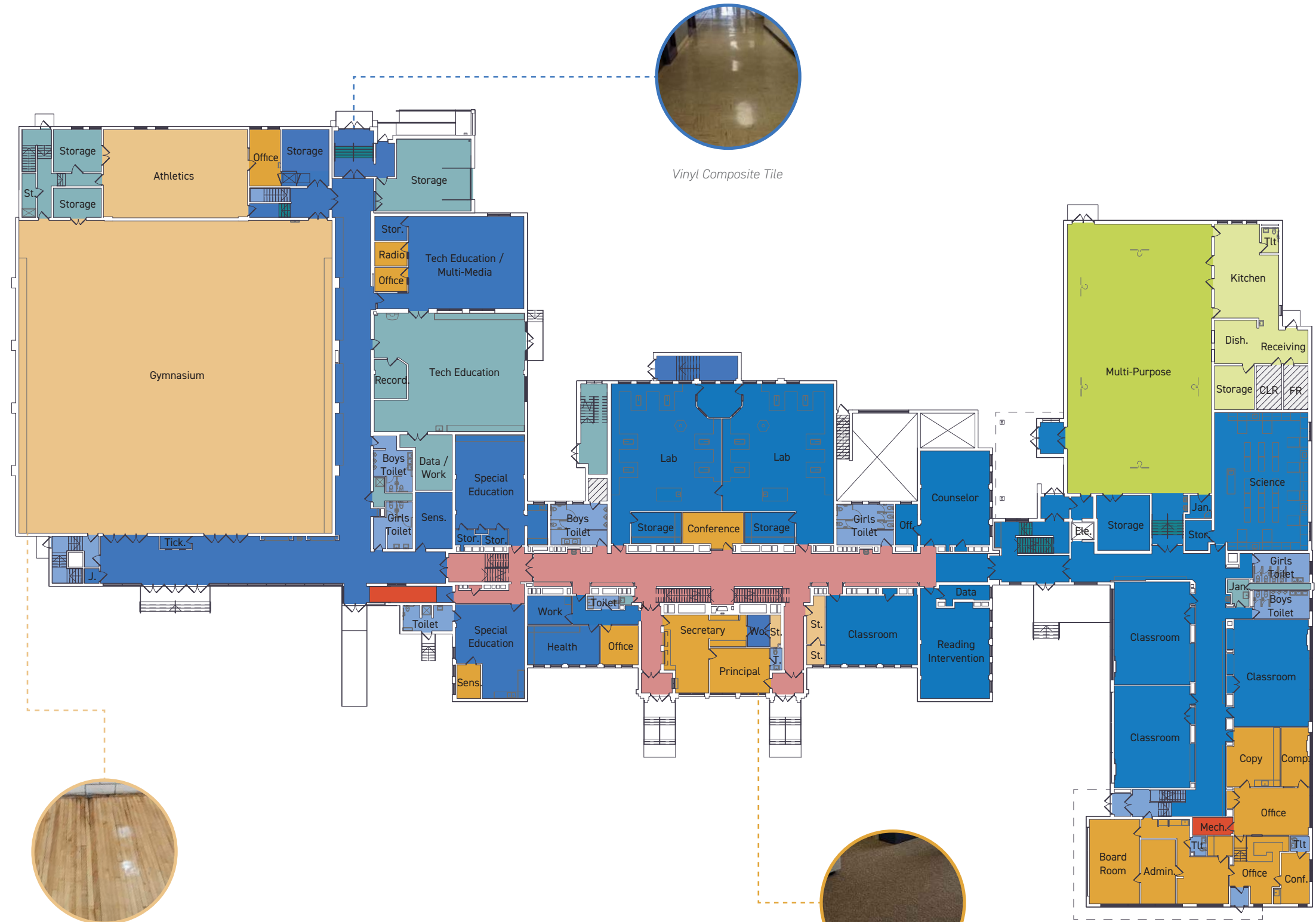


kiel middle school flooring material identification | first floor

Color Key



- Vinyl Composite Tile
- Tile
- Quarry Tile
- Carpet Tile
- Concrete
- Vinyl
- Rubber
- Epoxy
- Carpet
- Wood
- Potential Asbestos Tile
- Terrazzo
- No Data



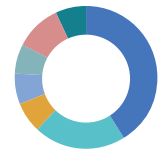
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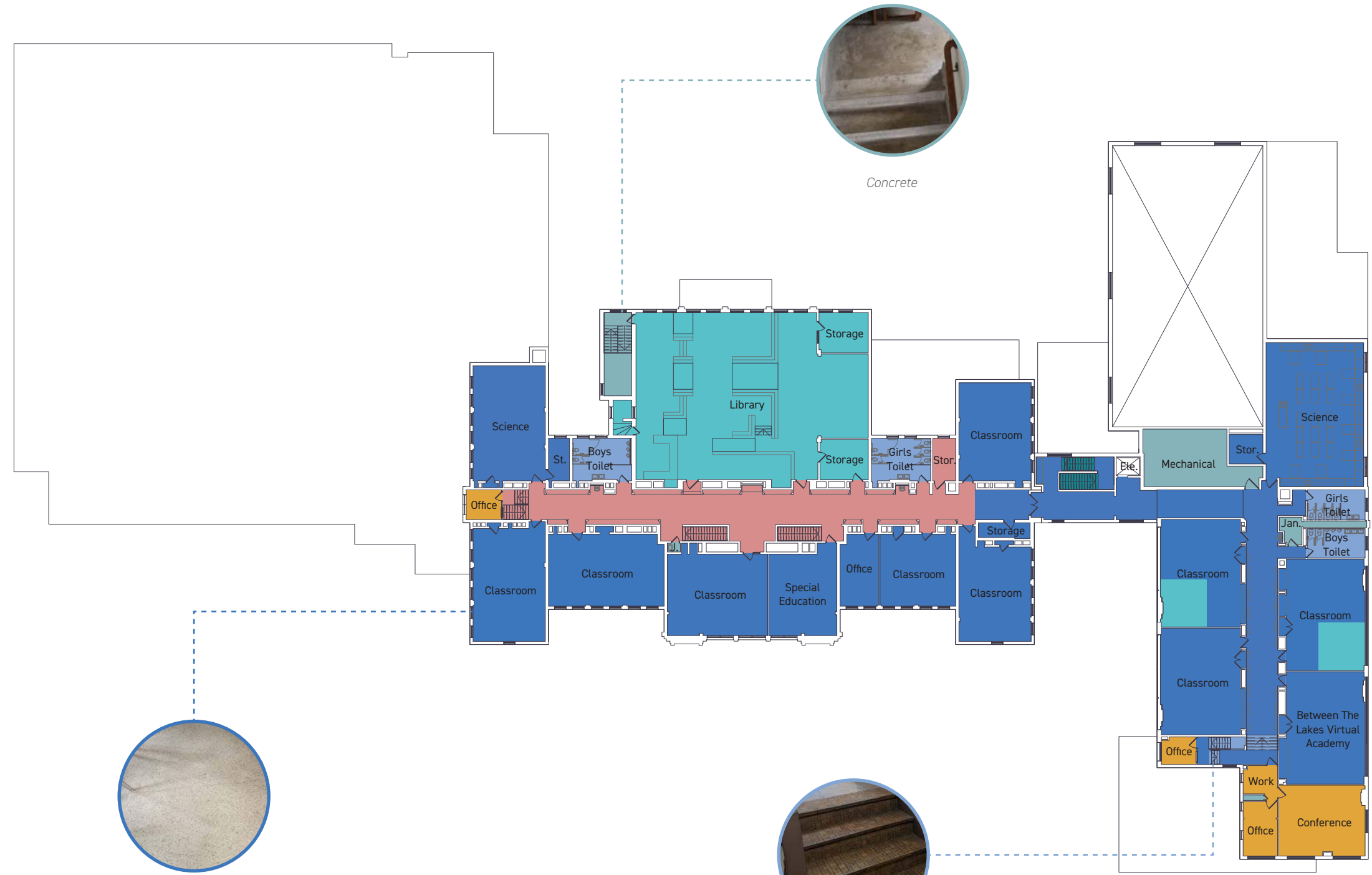


kiel middle school flooring material identification | second floor

Color Key



- Vinyl Composite Tile
- Carpet Tile
- Rubber
- Carpet
- Potential Asbestos Tile
- Tile
- Concrete
- Epoxy
- Wood
- Terrazzo
- Quarry Tile
- Vinyl
- No Data



Potential of Asbestos Containing Materials

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kiel middle school exterior analysis

OVERALL CONDITION RATING & KEY TAKEAWAYS



- Wood paneling in the lower level is in poor condition due to staining, wearing, and paint peeling off.
- There are instances where metal railings are in poor condition due to rusting.
- Concrete foundation walls are in poor condition due to cracking and crumbling.
- Majority of brick walls are in fair condition due to instances of crackling and crumbling.

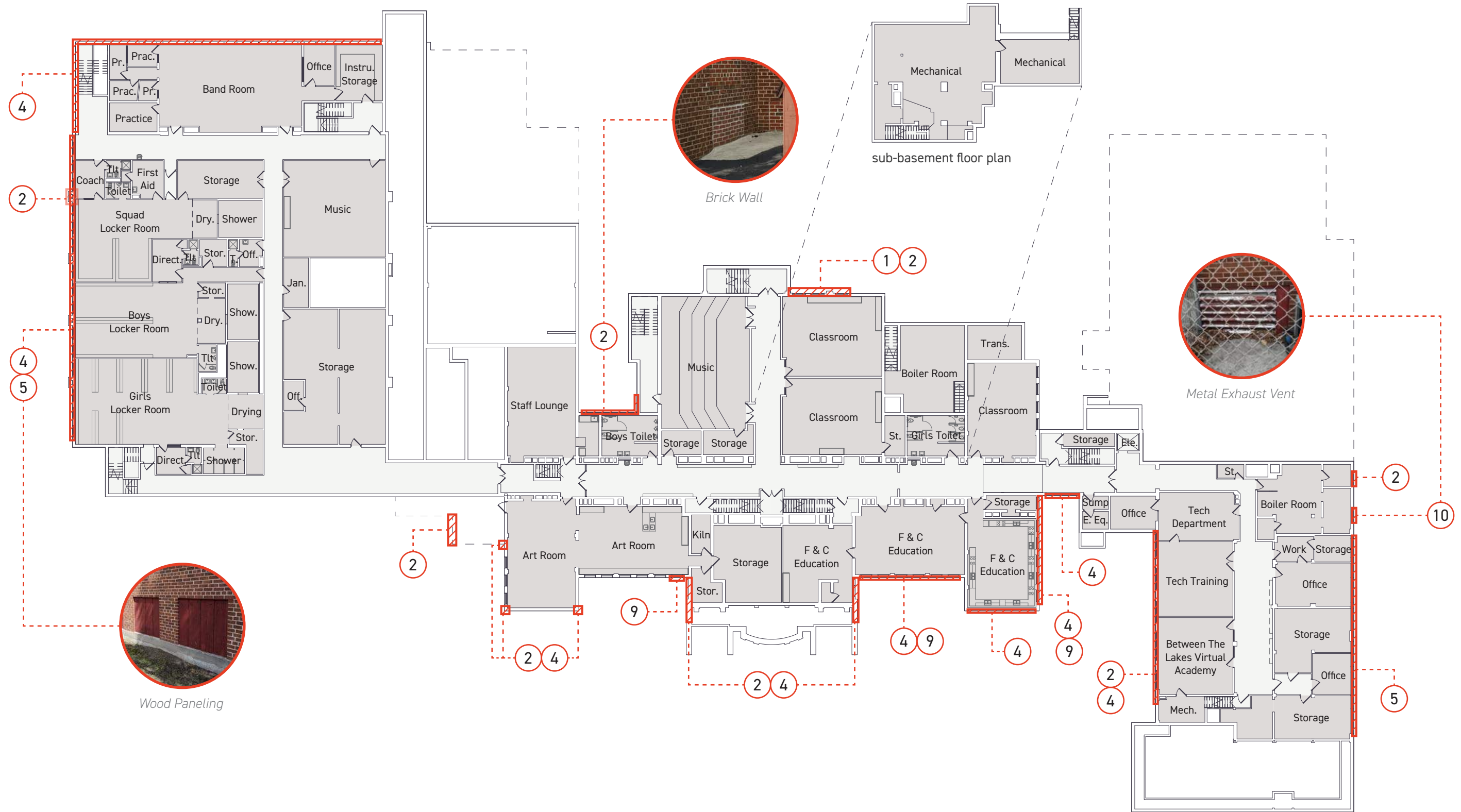
WALLS

- 1 Stone
- 2 Brick
- 3 Cast-in-Place Concrete
- 4 Concrete Foundation
- 5 Wood Paneling

MISCELLANEOUS

- 6 Metal Railings
- 7 Concrete Stair
- 8 Metal Stair
- 9 Metal Grate
- 10 Metal Exhaust Vent
- 11 Concrete Ramp
- 12 Metal Coping
- 13 Metal Soffit
- 14 Metal Lintel
- 15 Brick Column
- 16 Chainlink Fence
- 17 Stone Coping

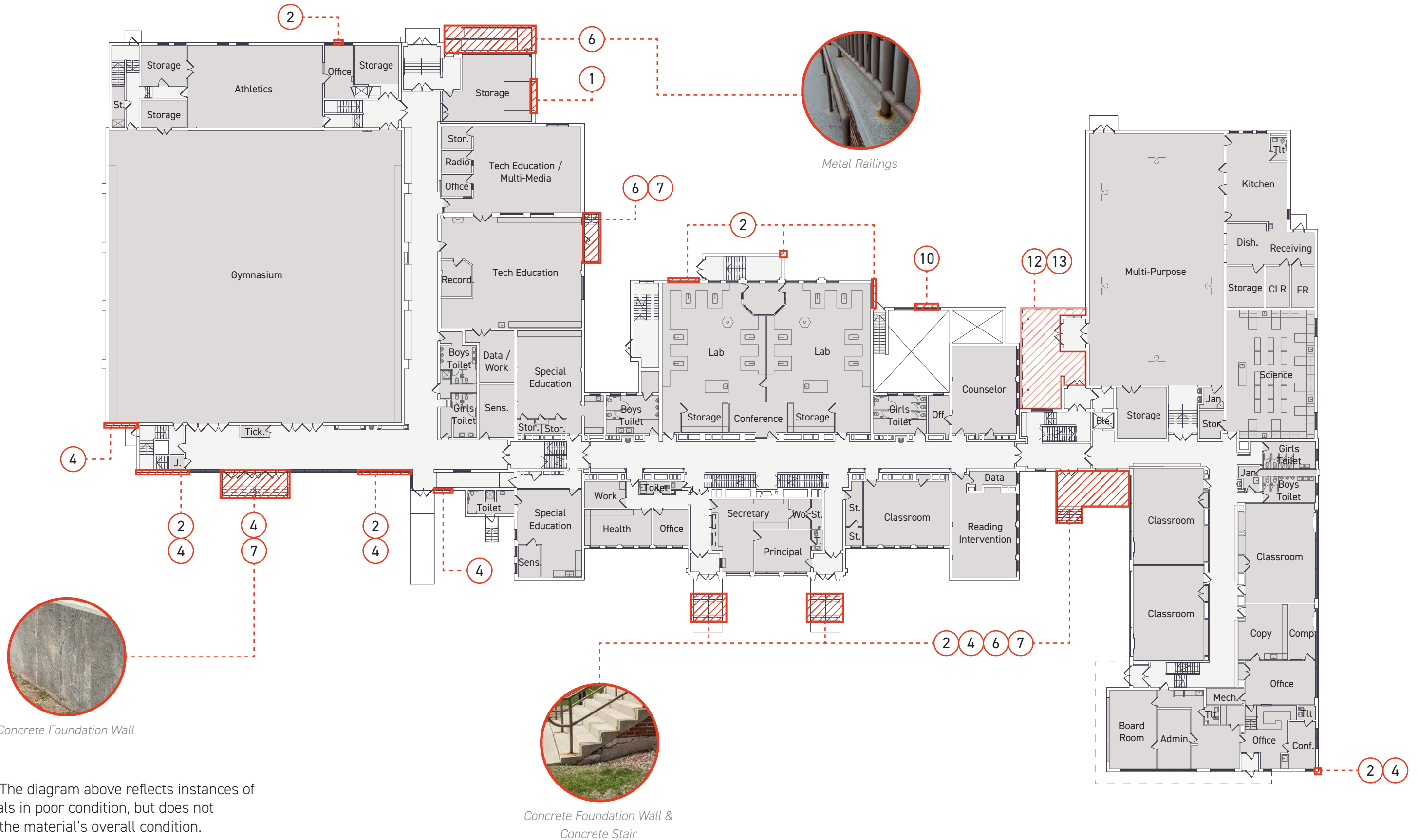
kiel middle school exterior identifications + analysis | lower level



***Note:** The diagram above reflects instances of materials in poor condition, but does not reflect the material's overall condition.

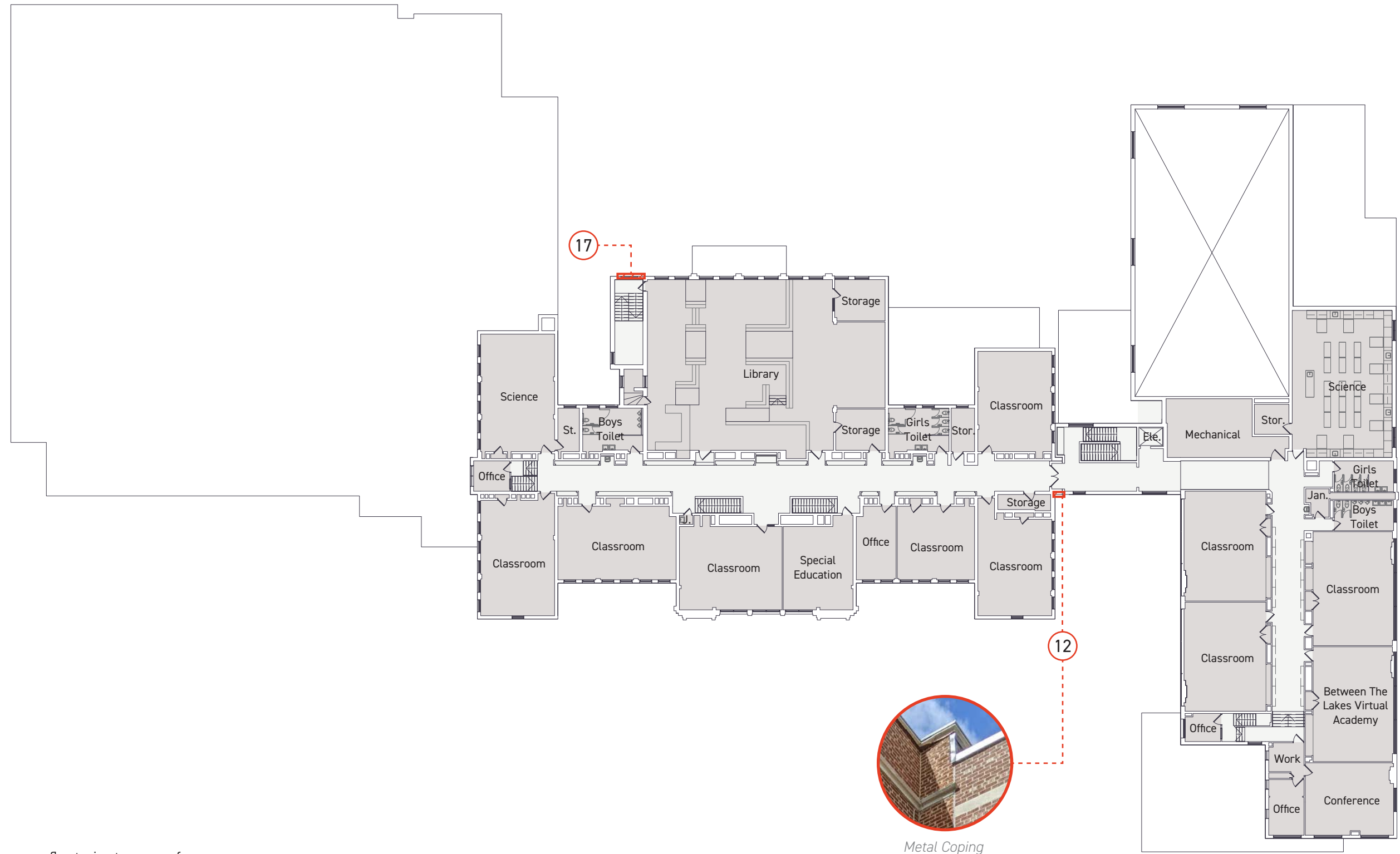


kiel middle school exterior identifications + analysis | first floor



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kiel middle school exterior identifications + analysis | second floor



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kiel middle school exterior door analysis

No. Door Type / Door Frame

A	Aluminum / Aluminum Storefront	L	Hollow Metal / Hollow Metal Storefront
B	Aluminum / Aluminum Storefront	M	Hollow Metal / Hollow Metal Storefront
C	Aluminum / Aluminum Storefront	O	Hollow Metal / Hollow Metal
D	Aluminum / Aluminum Storefront	P	Hollow Metal / Hollow Metal
E	Aluminum / Aluminum Storefront	R	Aluminum / Aluminum Storefront
E1	Hollow Metal / Hollow Metal	S	Hollow Metal / Hollow Metal
F	Aluminum / Aluminum Storefront	T	Hollow Metal / Hollow Metal
G	Aluminum / Aluminum Storefront	U	Hollow Metal / Hollow Metal
H	Aluminum / Aluminum Storefront		
I	Hollow Metal / Hollow Metal		
J	Aluminum / Aluminum Storefront		
J1	Aluminum / Aluminum Storefront		
K	Rolling Metal		

KEY TAKEAWAYS

- Majority of aluminum doors with aluminum storefront framing are in good condition.
- All hollow metal doors are in poor condition due to rusting, staining, denting, and surface scratches.
- Door K is in fair condition due to instances of denting.

MOST COMMON EXTERIOR DOOR



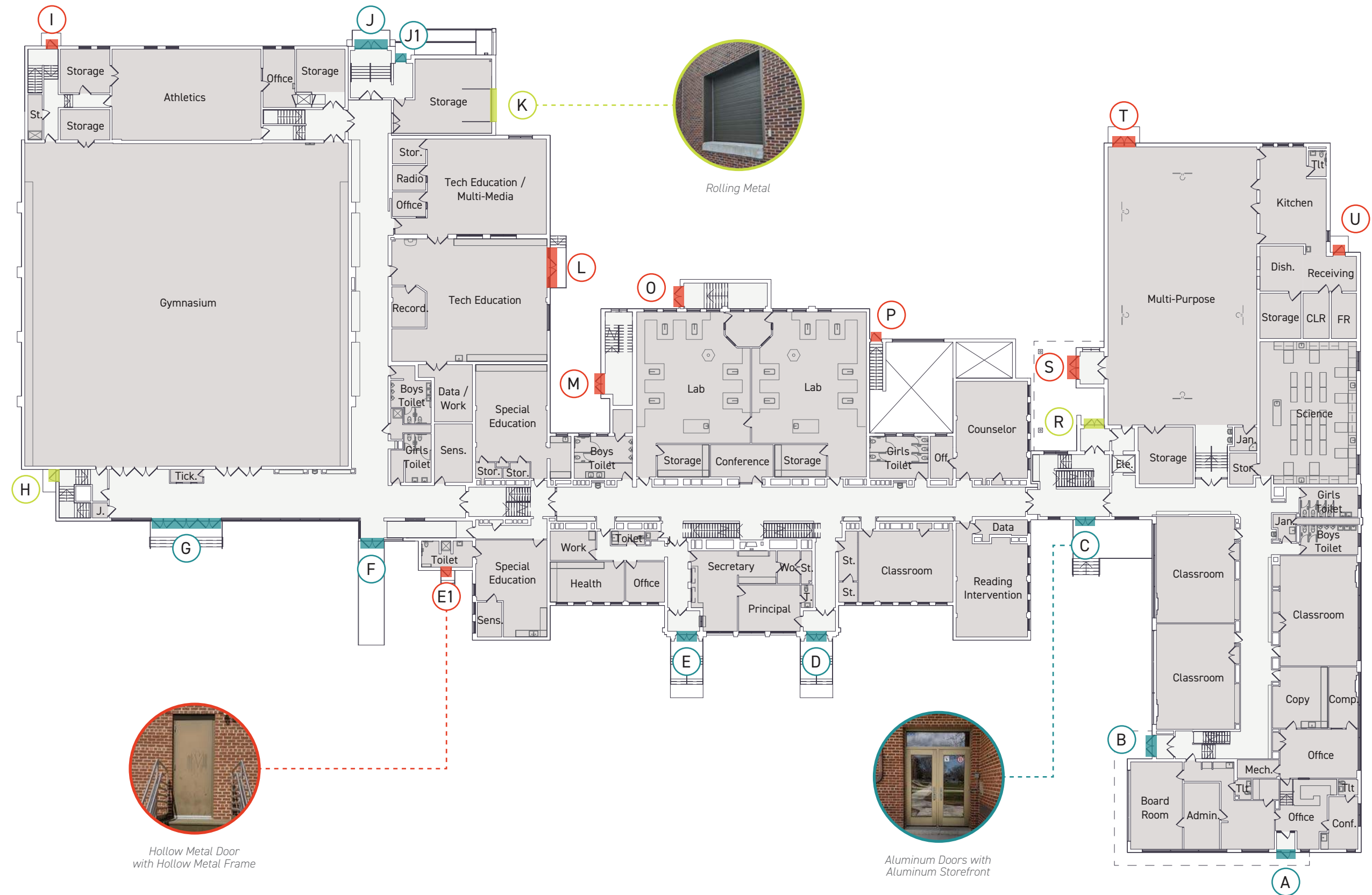
Aluminum Door(s) with Aluminum Storefront Frame

OVERALL EXTERIOR DOOR CONDITION



- Good | No visible damage
- Fair | Some visible damage
- Poor | Substantial visible damage

kiel middle school exterior door identification + analysis | first floor



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kiel middle school exterior window analysis

No. Frame Type / Glass Type

1	Glass Block	22	Aluminum/ Double Pane	43	Aluminum / Double Pane
2	Aluminum / Double Pane	23	Aluminum / Double Pane	44	Aluminum / Double Pane
3	Aluminum / Double Pane	24	Aluminum / Double Pane	45	Aluminum / Double Pane
4	Aluminum / Double Pane	25	Aluminum / Double Pane	46	Aluminum / Double Pane
5	Aluminum / Double Pane	26	Aluminum / Double Pane	47	Aluminum / Double Pane
6	Aluminum / Double Pane	27	Aluminum / Double Pane	48	Aluminum / Double Pane
7	Aluminum / Double Pane	28	Aluminum / Double Pane	49	Aluminum / Double Pane
8	Aluminum / Double Pane	29	Aluminum / Double Pane	50	Aluminum / Double Pane
9	Aluminum / Double Pane	30	Aluminum / Double Pane	51	Aluminum / Double Pane
10	Glass Block	31	Aluminum / Double Pane	52	Aluminum / Double Pane
11	Aluminum / Double Pane	32	Aluminum / Double Pane	53	Aluminum / Double Pane
12	Aluminum / Double Pane	33	Aluminum / Double Pane	54	Aluminum / Double Pane
13	Aluminum / Double Pane	34	Aluminum / Double Pane	55	Aluminum / Double Pane
14	Aluminum / Double Pane	35	Aluminum / Double Pane	56	Aluminum / Double Pane
15	Aluminum / Double Pane	36	Aluminum / Double Pane	57	Glass Block
16	Aluminum / Double Pane	37	Aluminum/ Double Pane	58	Glass Block
17	Aluminum / Double Pane	38	Aluminum / Double Pane	59	Aluminum / Double Pane
18	Aluminum / Double Pane	39	Aluminum / Double Pane	60	Aluminum / Double Pane
19	Aluminum / Double Pane	40	Aluminum / Double Pane	61	Aluminum / Double Pane
20	Aluminum / Double Pane	41	Aluminum / Double Pane	62	Aluminum / Double Pane
21	Aluminum / Double Pane	42	Aluminum / Double Pane		

KEY TAKEAWAYS

- Majority of aluminum frame windows with double pane glass are in good condition.
- There are instances where glass block windows are in poor condition due to wearing and staining.
- There is an instance of surface scratches at window 25.

MOST COMMON EXTERIOR WINDOW



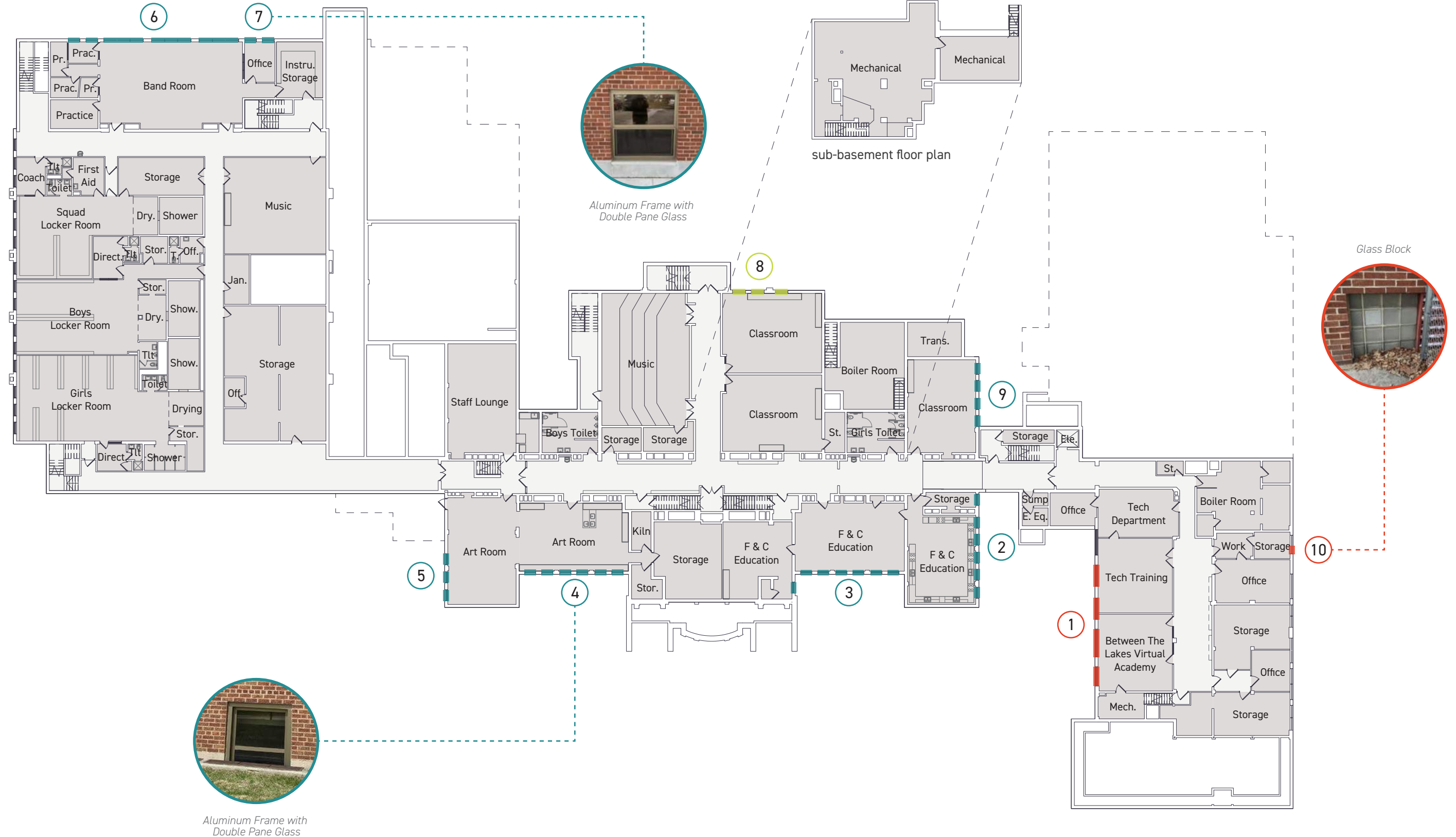
Aluminum with Double Pane Glass

OVERALL EXTERIOR WINDOW CONDITION

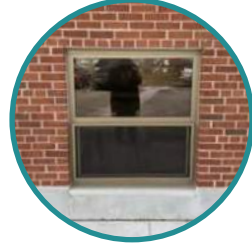


- Good | No visible damage
- Fair | Some visible damage
- Poor | Substantial visible damage

kiel middle school exterior window identification + analysis | lower level



Aluminum Frame with Double Pane Glass



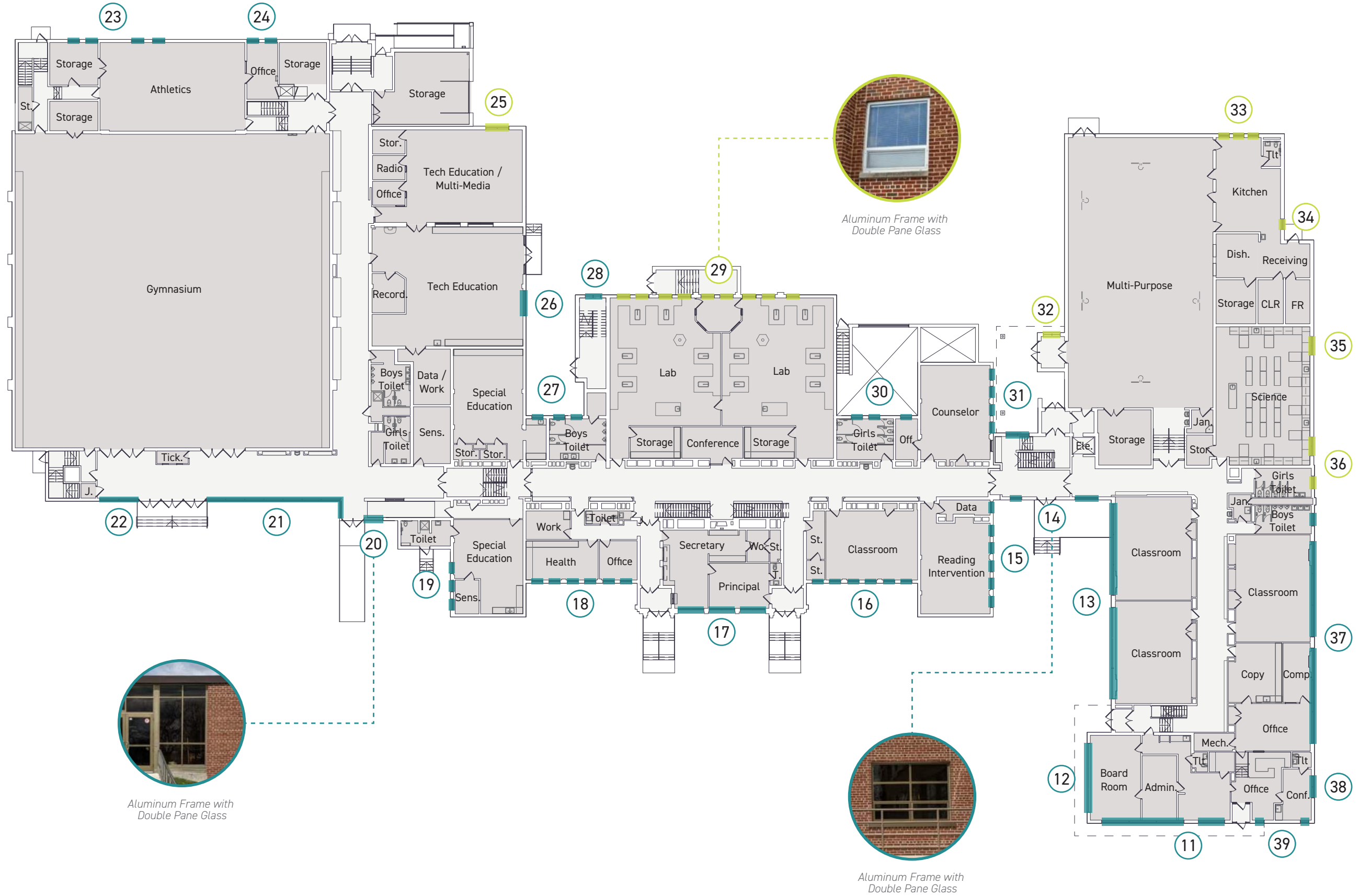
Aluminum Frame with Double Pane Glass



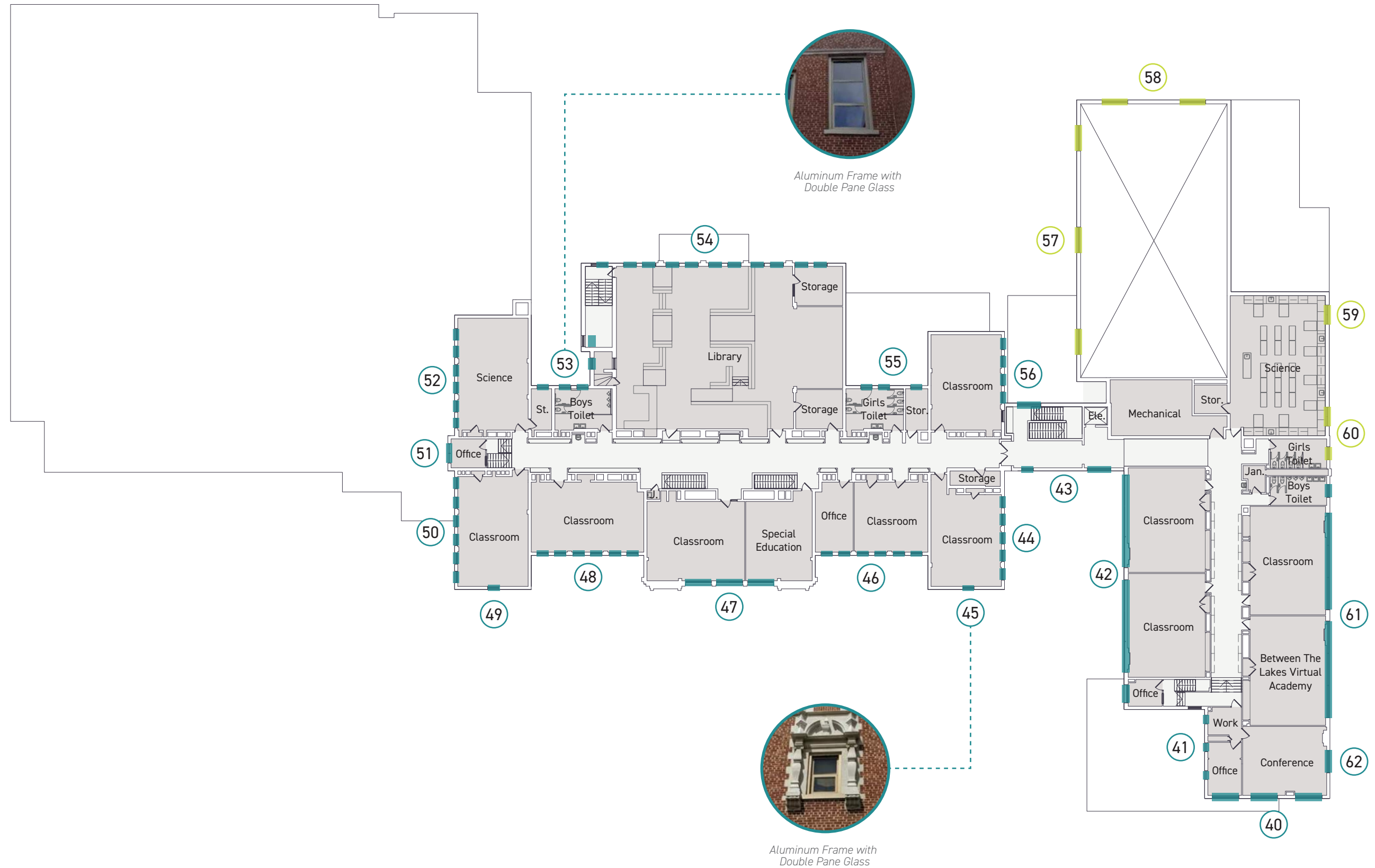
Glass Block



kiel middle school exterior window identification + analysis | first floor

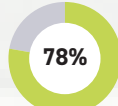
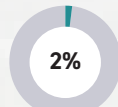


kiel middle school exterior window identification + analysis | second floor



kiel middle school roof identification

OVERALL CONDITION RATING:



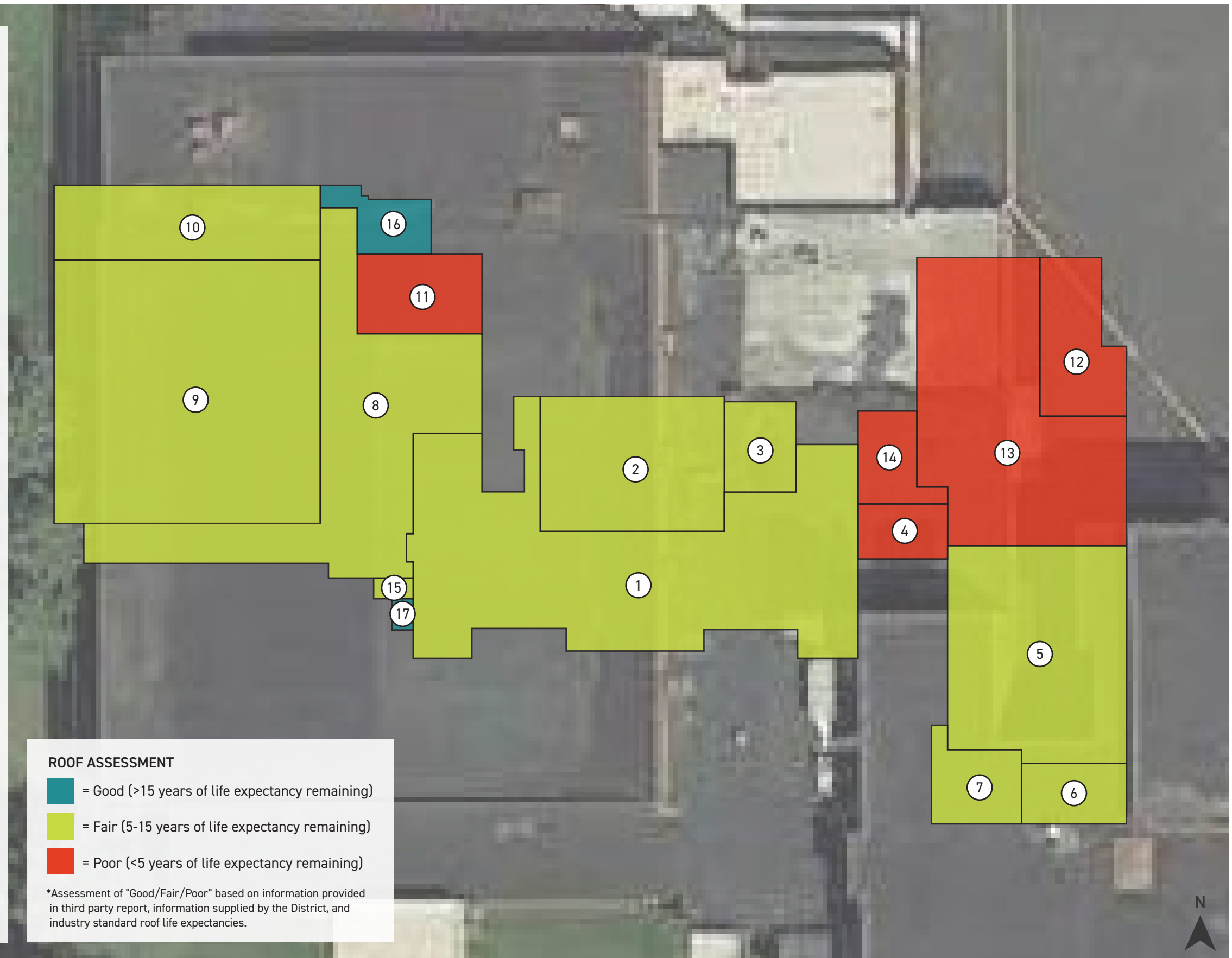
ROOF TIMELINE

- 1 = Fully Adhered EPDM, 2001 Installation
- 2 = Fully Adhered EPDM, 2001 Installation
- 3 = Fully Adhered EPDM, 2001 Installation
- 4 = Ballasted EPDM, 1999 Installation
- 5 = Fully Adhered EPDM, Unknown Installation
- 6 = Fully Adhered EPDM, Unknown Installation
- 7 = Fully Adhered EPDM, Unknown Installation
- 8 = Fully Adhered EPDM, 2001 Installation
some replacement/work completed in the past few years
- 9 = Fully Adhered EPDM, 2001 Installation
- 10 = Fully Adhered EPDM, 2001 Installation
- 11 = Ballasted EPDM, 1993 Installation
- 12 = Ballasted EPDM, 1999 Installation
- 13 = Ballasted EPDM, 1999 Installation
- 14 = Ballasted EPDM, 1999 Installation
- 15 = Tapered Polyiso Insulation, 2010 Installation
- 16 = Tapered Polyiso Insulation, 2014 Installation
- 17 = Unknown Roof Type, Unknown Installation

ROOF ASSESSMENT

- = Good (>15 years of life expectancy remaining)
- = Fair (5-15 years of life expectancy remaining)
- = Poor (<5 years of life expectancy remaining)

*Assessment of "Good/Fair/Poor" based on information provided in third party report, information supplied by the District, and industry standard roof life expectancies.



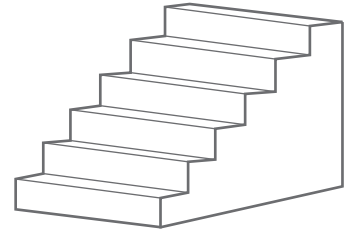
kiel middle school site assessment

- **Good Condition**
 No visible damage, wear or need for repair; no replacement needed.
- **Fair Condition**
 Some visible damage, wear or need for repair; no immediate replacement required.
- **Poor Condition**
 Substantial visible damage, wear or need for repair, or identified as containing potential asbestos; most pressing replacement needed.

Civil / Site Analysis Overview



Stair Repairs



CIVIL

Area 1: South Side of Site

Southeast Parking Lot	●	Transverse and longitudinal cracks. Areas of block cracking that have not been sealed. Some settling occurring. Pavement markings are beginning to rub off in certain areas.
Front East Sidewalks	●	Few cracks.
Front East Staircase	●	Extremely worn. Chipped concrete and rusted railings.
Front East to West Sidewalk	●	Some areas of settling and cracking.
Front Center East Sidewalk	●	Large horizontal cracks.
Front Center East Staircase	●	Many cracks and missing concrete.
Front Center West Sidewalk	●	Large cracks.
Front Center West Staircase	●	Many cracks and missing concrete.
Front Metal Stair	●	No visible rusting.
Front Concrete Ramp	●	Cracked concrete around most of the metal posts.
Front West Concrete Stair	●	Large vertical crack in foundation.
Front West Concrete Plaza	●	Concrete appears very new.
Front West Sidewalk	●	Appears old and worn with cracks throughout.

Area 2: West Side of Site

West Door	●	Appears worn and one corner has broken off.
West Fence	●	Many of the pieces are missing and the wood appears rotted and tipsy.

* See appendix for full engineer reports + more information.

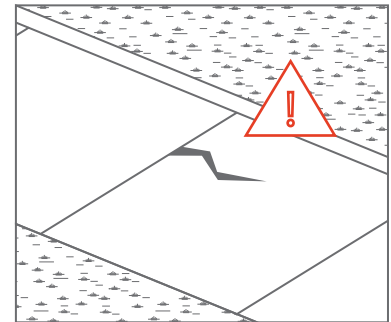
kiel middle school site assessment

- **Good Condition**
 No visible damage, wear or need for repair; no replacement needed.
- **Fair Condition**
 Some visible damage, wear or need for repair; no immediate replacement required.
- **Poor Condition**
 Substantial visible damage, wear or need for repair, or identified as containing potential asbestos; most pressing replacement needed.

Civil / Site Analysis Overview



Site Concrete Repairs



CIVIL

Area 3: North Side of Site

Northwest Parking Lot	●	Significant longitudinal and transverse cracks throughout. Appears to be some settling near the catch basins.
Northwest Parking Sidewalk	●	One slab with a large crack through it.
Back Concrete Ramp	●	Minimal cracking. Railing is rusted especially at the base.
Back Play Yard	●	Majority of the pavement has alligator cracking, as well as longitudinal, transverse, and block cracks.
Back Concrete Stairway	●	Cinder block base is disintegrating in areas and the concrete steps are cracking and chipping. Metal railing is very rusted.
Back Mechanical Fence	●	Appears to be damage on the top portion of the fencing.
Back ADA Parking Area	●	Majority of the pavement is covered in alligator cracking. Pavement marking is also wearing off.
Northeast Parking Lot	●	Pavement covered in alligator and block cracks. Pavement markings are chipping and fading.
Climbing Area Fencing	●	Tipping over in some areas and the bottom is coming unraveled.
Playground Equipment	●	Some gravel base is missing. Some cracks in concrete pad.

Area 4: East Side of Site

Asphalt Pavement	●	Many longitudinal and transverse cracks.
Concrete Sidewalk	●	Cracks in the pavement and some settlement.
Concrete Sidewalk	●	Minimal cracking.
Fencing	●	Overgrown with trees and tipping over in areas.

* See appendix for full engineer reports + more information.

kiel middle school site assessment



OVERALL CONDITION RATING:



IDENTIFICATION +
OVERALL ASSESSMENT

- 1 Area 1: South Side of Site
- 2 Area 2: West Side of Site
- 3 Area 3: North Side of Site
- 4 Area 4: East Side of Site

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kiel middle school ada conditions + assessment

Overall Condition Rating:

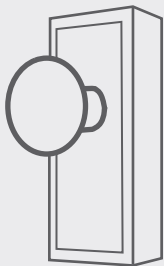


Most Concerning Item
That Does Not Meet Code
Requirements:



*Toilet rooms do not contain
ADA compliant stall*

Most Frequently Occurring Item
That Does Not Meet Code
Requirements:



*Door hardware is not
ADA compliant*

GENERAL ASSESSMENT OF ADA CONDITIONS

■ Building Entrance Accessibility

■ ADA Parking Stalls

■ Accessible Routes of Travel

- Ramps
- Lifts
- Elevators

■ Railings

- Ramp Railings
- Stair Railings

■ Door Hardware

■ Door Clearances

- Push / Pull
- Thresholds
- Maneuvering

■ Toilet Rooms

- 5'-0" Wheelchair Clearance
- ADA Accessible Stall
- Unisex Toilet Room
- Grab Bars
- Showers

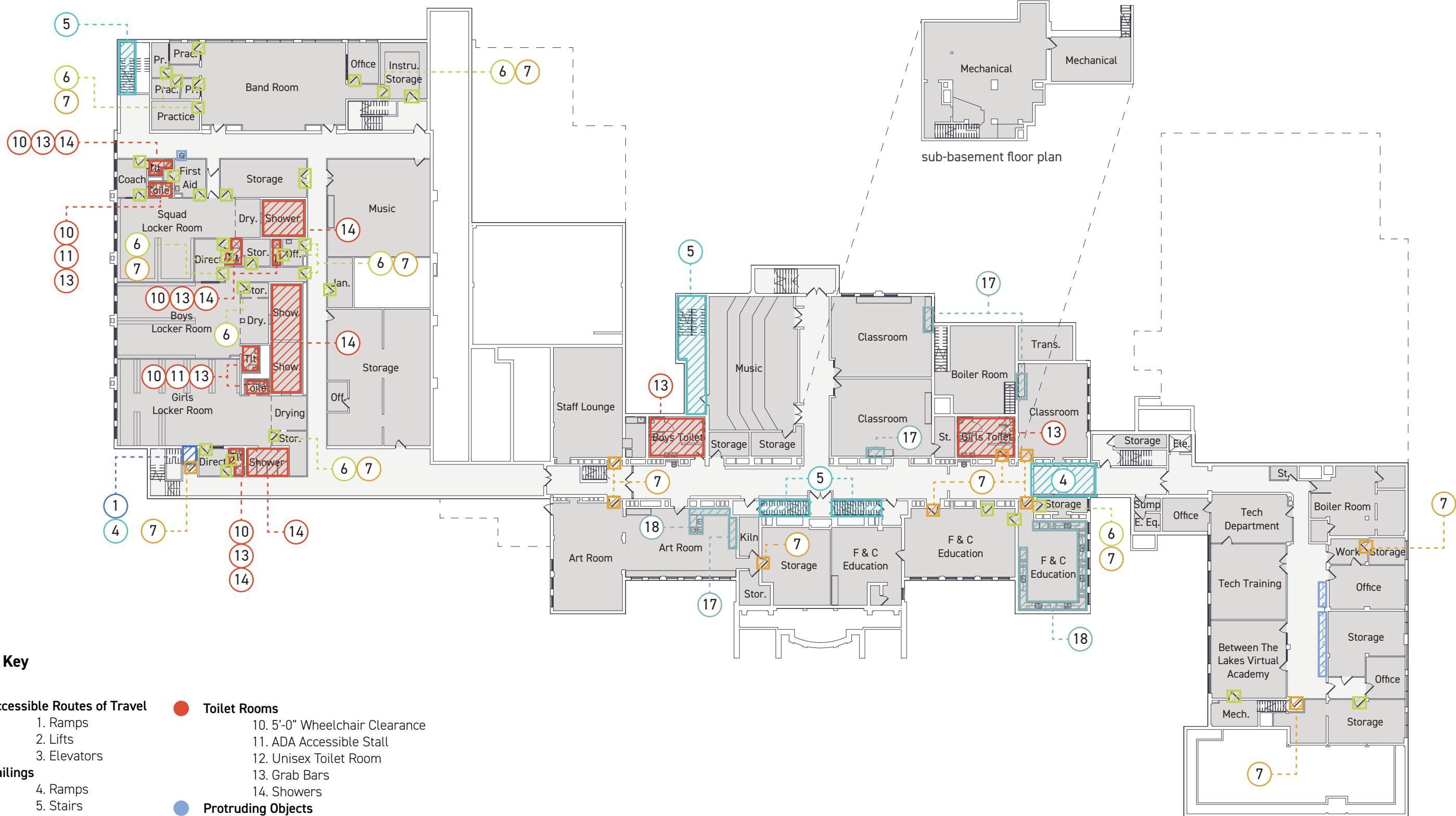
■ Protruding Objects

■ Drinking Fountains

■ Casework

- Transaction Counters
- Workstations Counters
- Counters with Sinks

kiel middle school ada conditions + assessment | lower level

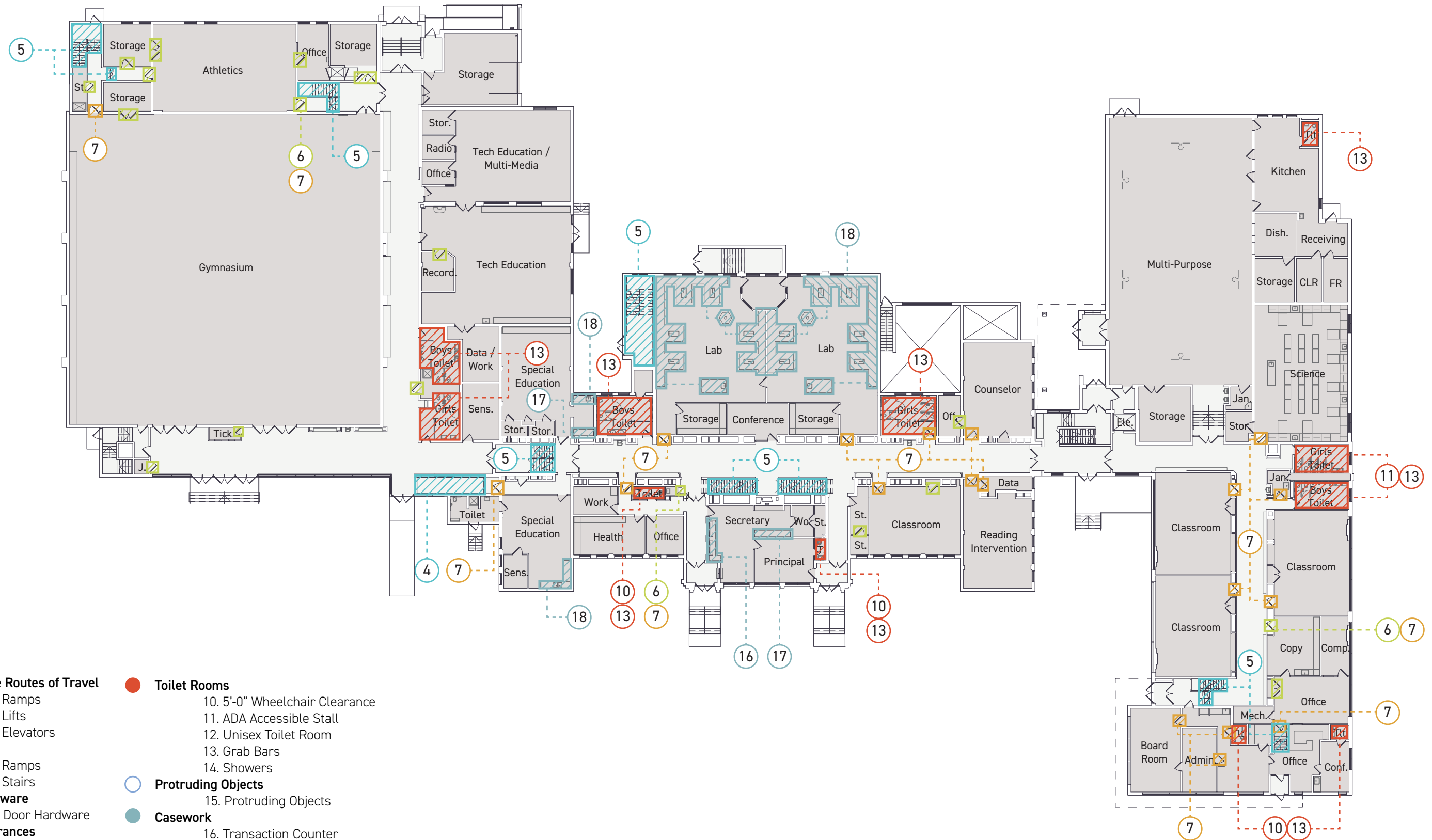


Color Key

- | | |
|------------------------------------|--------------------------------|
| Accessible Routes of Travel | Toilet Rooms |
| 1. Ramps | 10. 5'-0" Wheelchair Clearance |
| 2. Lifts | 11. ADA Accessible Stall |
| 3. Elevators | 12. Unisex Toilet Room |
| Railings | 13. Grab Bars |
| 4. Ramps | 14. Showers |
| 5. Stairs | Protruding Objects |
| Door Hardware | 15. Protruding Objects |
| 6. Door Hardware | Casework |
| Door Clearances | 16. Transaction Counter |
| 7. Push / Pull | 17. Workstation Counters |
| 8. Thresholds | 18. Counters with Sinks |
| 9. Maneuvering | |



kiel middle school ada conditions + assessment | first floor



Color Key

Accessible Routes of Travel

- 1. Ramps
- 2. Lifts
- 3. Elevators

Railings

- 4. Ramps
- 5. Stairs

Door Hardware

- 6. Door Hardware

Door Clearances

- 7. Push / Pull
- 8. Thresholds
- 9. Maneuvering

Toilet Rooms

- 10. 5'-0" Wheelchair Clearance
- 11. ADA Accessible Stall
- 12. Unisex Toilet Room
- 13. Grab Bars
- 14. Showers

Protruding Objects

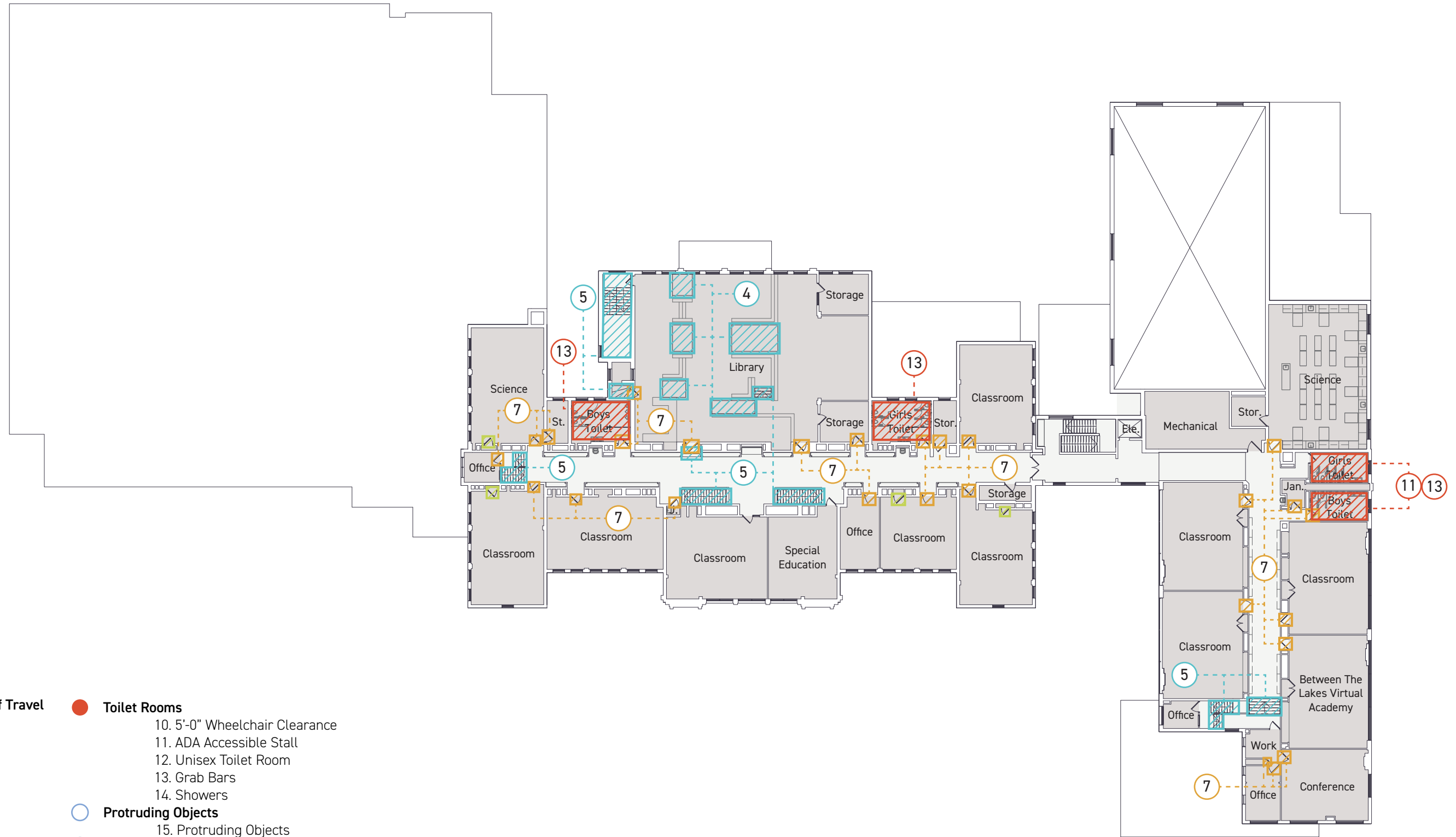
- 15. Protruding Objects

Casework

- 16. Transaction Counter
- 17. Workstation Counters
- 18. Counters with Sinks



kiel middle school ada conditions + assessment | second floor



Color Key

- | | |
|---|--|
| <ul style="list-style-type: none"> ○ Accessible Routes of Travel <ul style="list-style-type: none"> 1. Ramps 2. Lifts 3. Elevators ● Railings <ul style="list-style-type: none"> 4. Ramps 5. Stairs ● Door Hardware <ul style="list-style-type: none"> 6. Door Hardware ● Door Clearances <ul style="list-style-type: none"> 7. Push / Pull 8. Thresholds 9. Maneuvering | <ul style="list-style-type: none"> ● Toilet Rooms <ul style="list-style-type: none"> 10. 5'-0" Wheelchair Clearance 11. ADA Accessible Stall 12. Unisex Toilet Room 13. Grab Bars 14. Showers ○ Protruding Objects <ul style="list-style-type: none"> 15. Protruding Objects ○ Casework <ul style="list-style-type: none"> 16. Transaction Counter 17. Workstation Counters 18. Counters with Sinks |
|---|--|

