

A4LE Southern Region Conference 2022

The Evolution of Learning Spaces

Acknowledging the Past while Looking to the Future

Perkins&Will



Learning Objectives



- 1. Understanding the creation of learning environments that honor the past and aim for the future.**
- 2. Ways of offering students and staff increasing safety and security measures while bringing the facility in line with current district standards.**
- 3. Insight into public schools' fundamental revisions of traditional methods of instruction and how this relates to renovated building spaces.**
- 4. Learn planning concepts that ensure flexibility for the evolving needs to students.**

Your speakers



Barbara Rystrom AIA, LEED BD+C
Sr. Project Manager
Perkins&Will



Katherine Eska
Principal
North Dallas High School

Agenda

Acknowledging the past

- History of North Dallas High School
- Building Limitations

Looking to the Future

- Current Student Body and Programs Offered
- Site and Program
- Design Concept
- Historic Connection
- Upgrades through Design
- Q & A

→
North Dallas High School
Dallas, TX



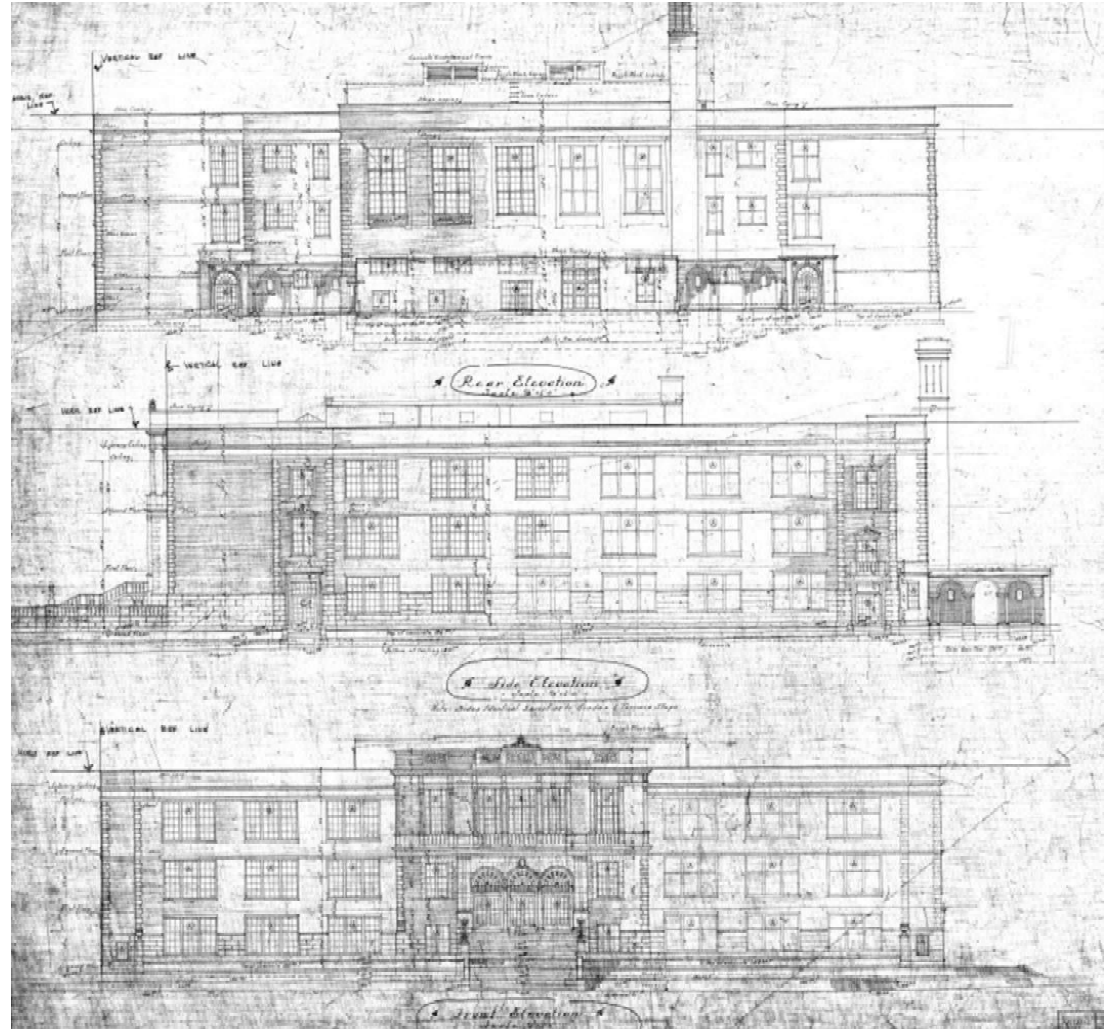
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Acknowledging the Past

Acknowledging the Past

Section 01.

History of North Dallas High School



100 Years : 1922 to 2022

Perseverance through time...



1922s



1950s



1980s



future



...seeking change while maintaining a strong identity

North Dallas High School

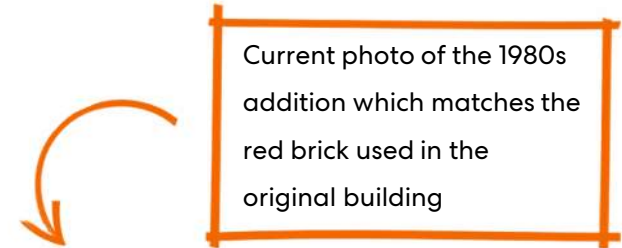
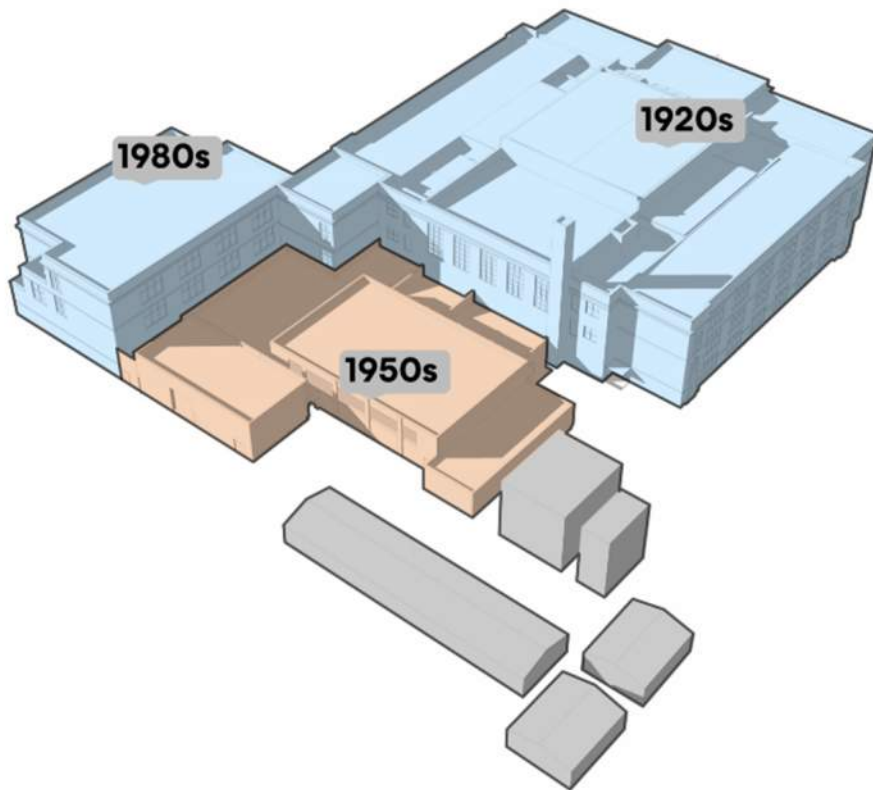
→
Current photo of the
primary entry along Haskell
Avenue



→
Photo from the 1923 North
Dallas High School
Yearbook



Past Additions and Renovations



Acknowledging the Past

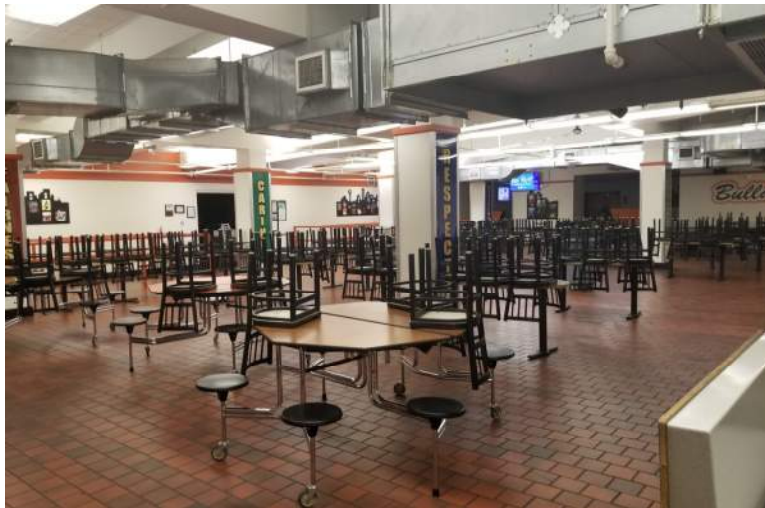
View of North Dallas High School Athletics Fields



Section 02.

Building Limitations

Safety Concerns



NDHS Lunch Room

No connection to serving line and leaking ductwork.



NDHS Weight Room

Image shows deteriorated ceiling.



NDHS Gymnasium

Roof leaks damaging new wood floor.

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Looking to the Future

Creating dynamic learning environments which honor the history of the campus.
Connecting students, faculty, and community, and promoting academic and personal growth and innovation.

Looking to the Future

Section 01.

Current Student Body and Programs Offered



North Dallas High School
One Vision. | One Team. | One Win.



**Choice Comprehensive
High School
Design Thinking**

Advanced Placement, UT On
Ramps, and Dual Credit
Opportunities

Industry Certifications
available in 3 pathways.



**PTECH: Pathways in
Technology Early College
High School**

Associates Degree and
industry certifications in 2
available pathways



Career Institute

Industry Certifications in 8
available pathways



Dual Language

Seal of Biliteracy available to
bilingual and biliterate
students in English and
Spanish.

Specialized Pathways



PTECH:

Emergency Medical Technician (EMT)
and Computer Programmer /
Developer



Comprehensive Choice School:

Design Thinking



Other Programs:



Career Institute:

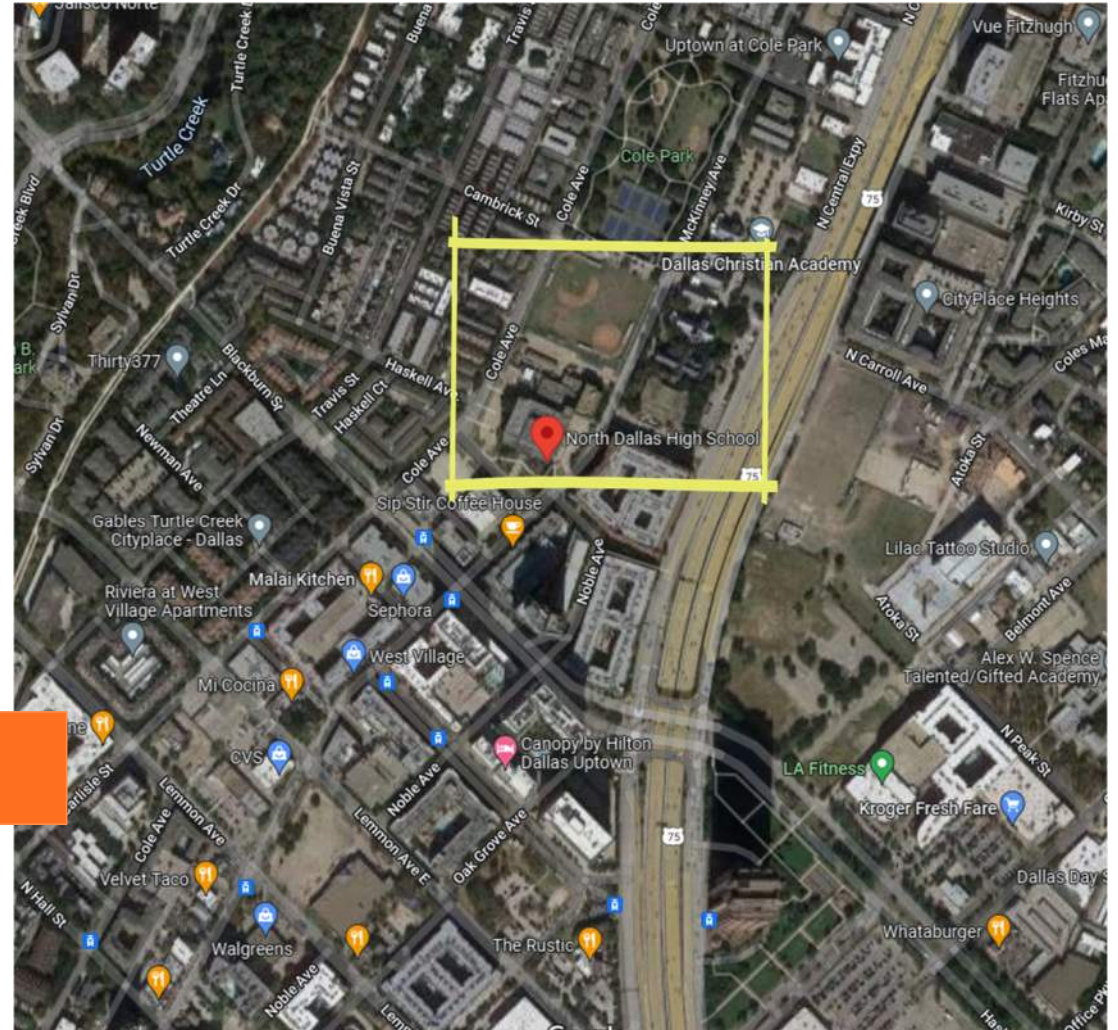
Aviation, Construction and
Carpentry, Electrical and Solar
Technology, Interior Design, HVAC
and Refrigeration, Plumbing and
Pipefitting, Mechatronics, and
Cybersecurity

Looking to the Future

Located in Dallas, TX

Section 02.

Site and Program



Site

183,525 Gross Area

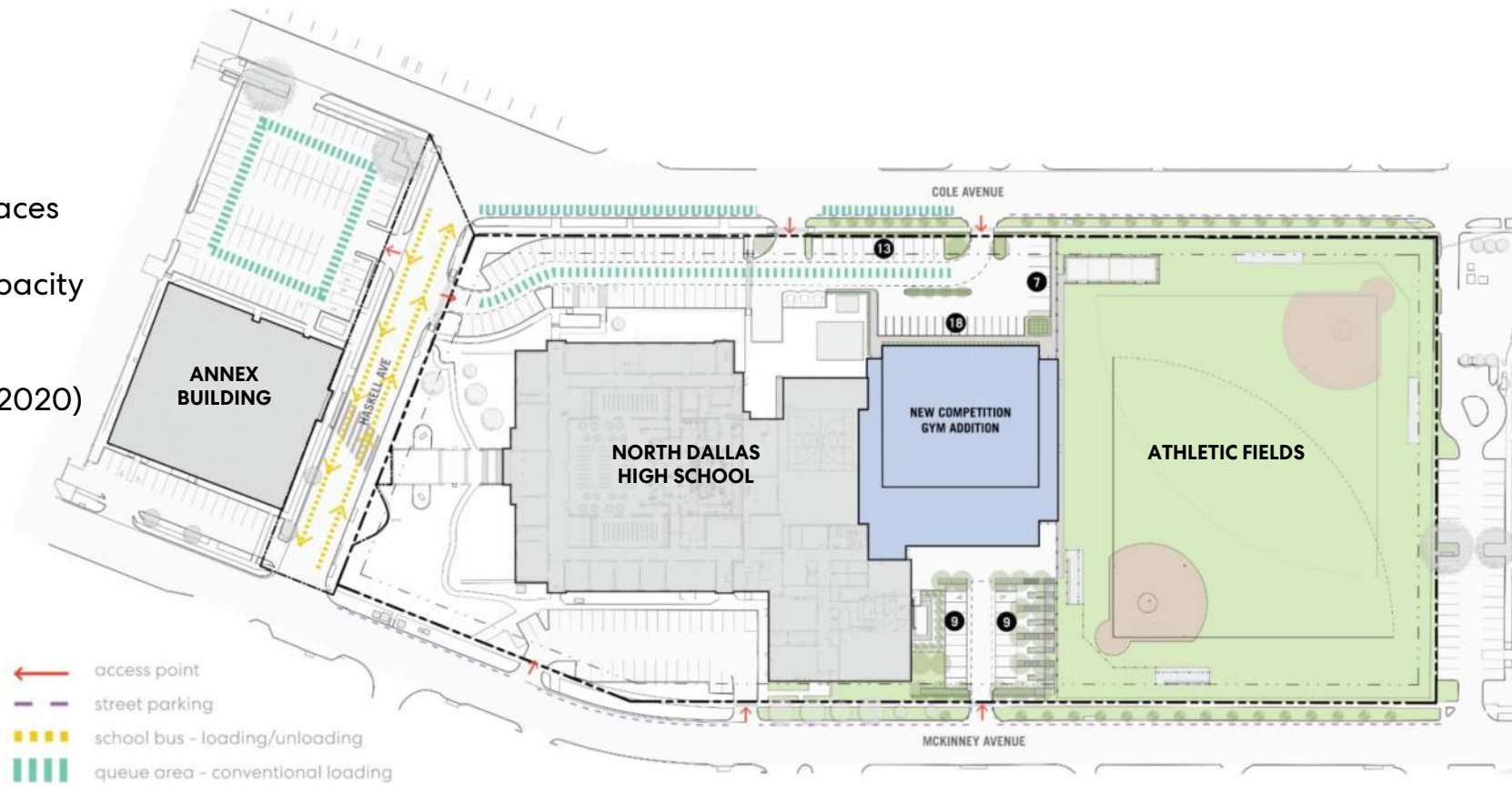
Total parking 138 spaces

Optimal Student Capacity
2,115 Students

Current Enrollment (2020)
1,195 Students

Utilization 600%

Room for expansion



Figures per PBK

Program

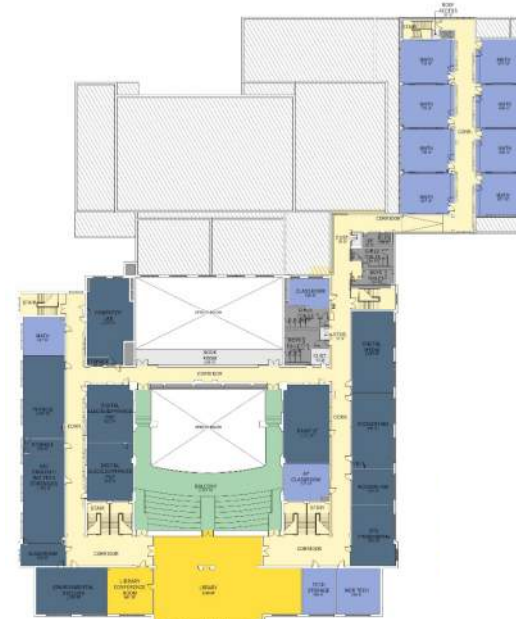
Existing Spaces



Level 01



Level 02



Level 03

Legend

- CORE ACADEMIC
- SUPPORT ACADEMIC
- ADMINISTRATION
- SERVICE
- STORAGE/SUPPORT
- CIRCULATION
- FINE ARTS
- ATHLETICS
- FOOD SERVICE
- COMMUNITY OUTREACH
- CTE
- LIBRARY

Program

Storm Shelter

Renovate and Expand Athletics

Renovate Existing Athletics into Fine Arts

Renovate and Expand Kitchen/Cafeteria

Renovate Core Classrooms and Science Labs

Renovate Corridors

MEP Upgrades Throughout

Exterior Cleaning

Renovate Auditorium

Renovate Library

Full Roof Replacement



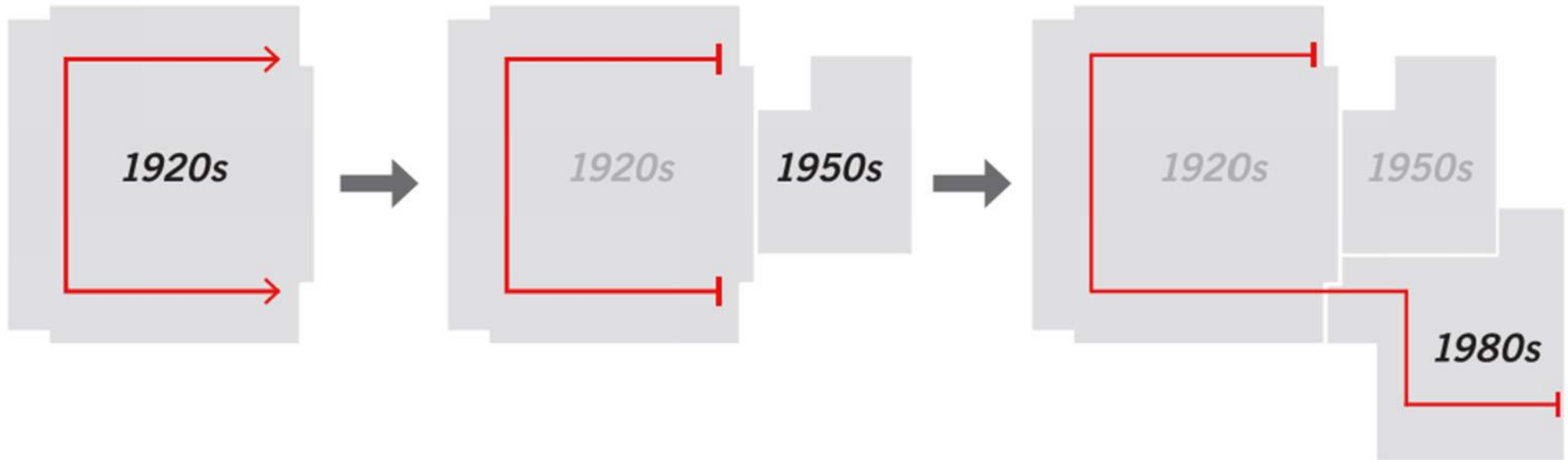
Looking to the Future

Section 03.

Design Concept



Conceptual Approach

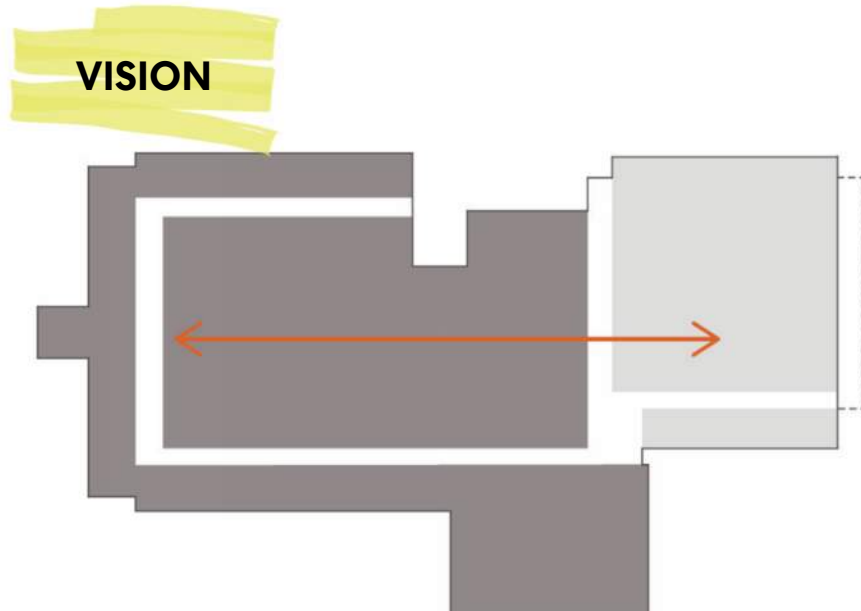


Clear Loop of Circulation

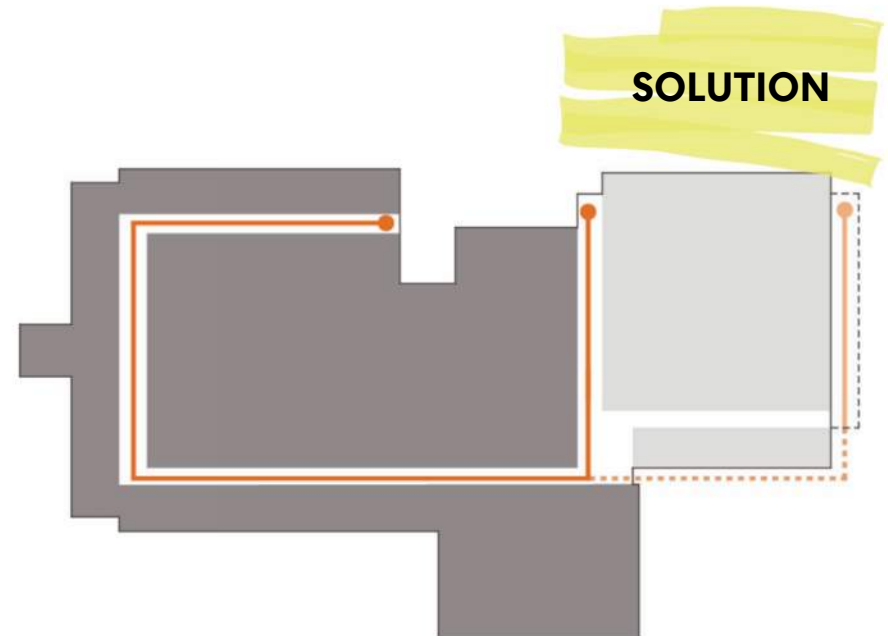
Circulation does not connect

Circulation Breaks down in
Continuity

Architectural Response

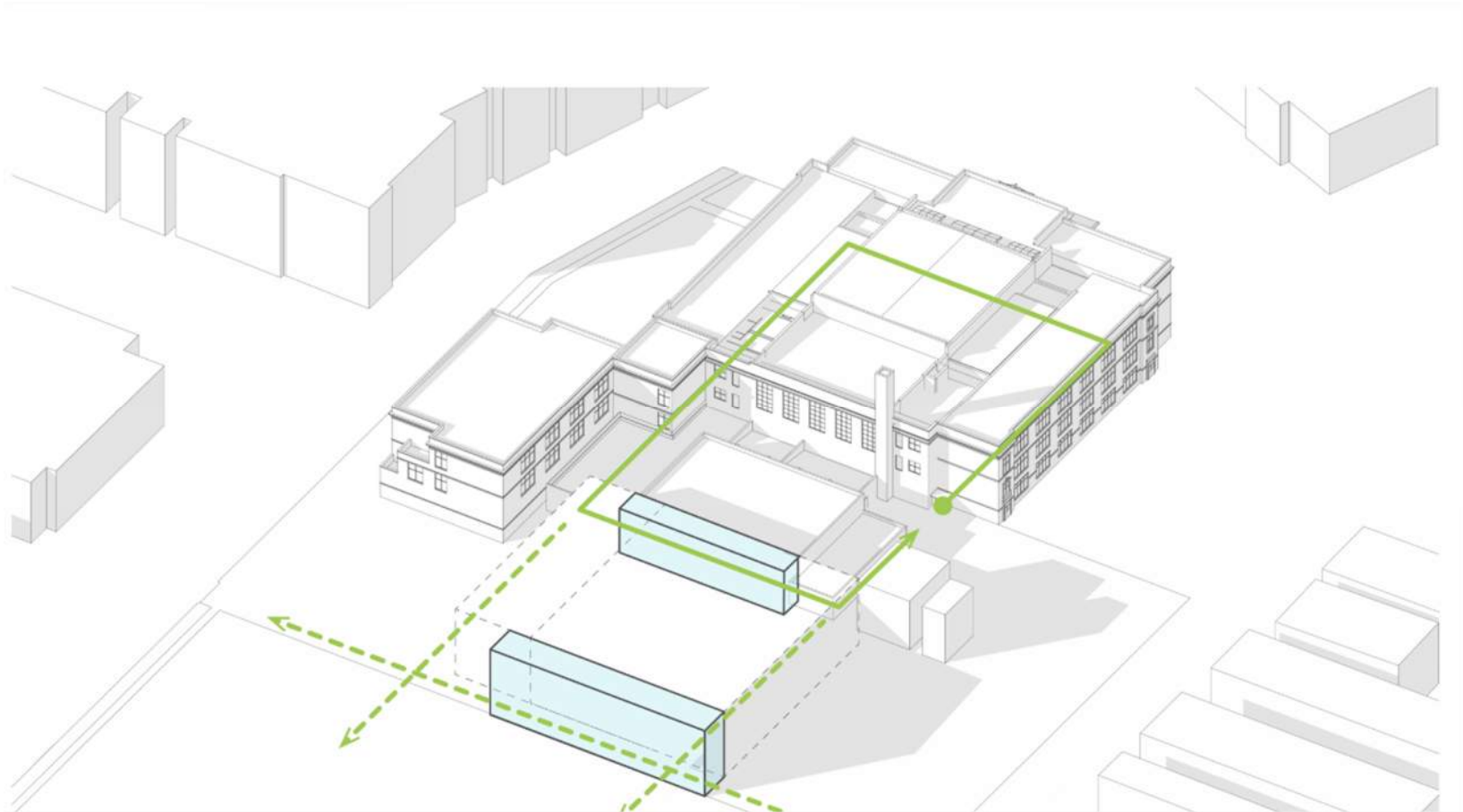


→
Remove boundaries to create a
continuous loop that acknowledges
future growth



←
Remove boundaries to create a
connection that **bridges existing to new**

Conceptual Approach



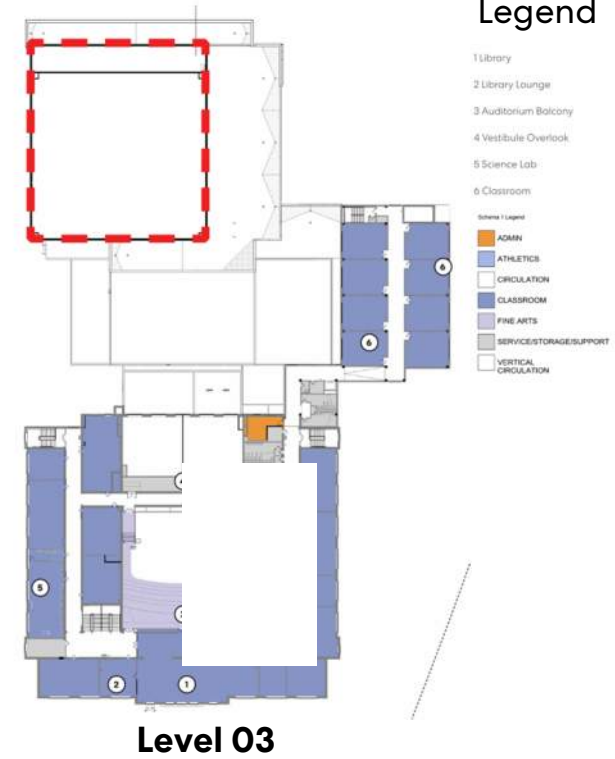
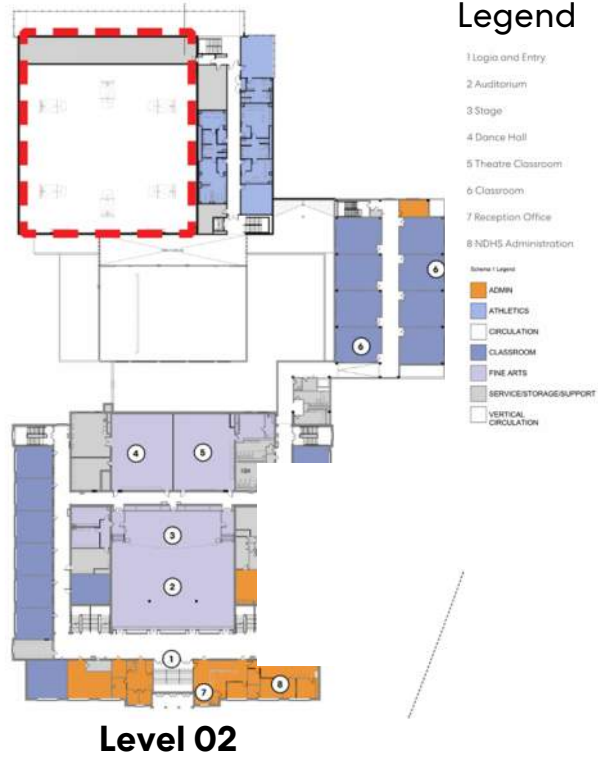
Conceptual Approach

- inside/outside connectedness
- ① *visual connections out*
- flexible learning environment
- ② *identity on display*
- ③ *community/social gathering*
- supports different size groups
- ④ *exterior circulation extension*
- Varied types of seating
- event prefunction
- ⑤ *classroom extension*
- before/after school use
- ⑥ *opportunity for outdoor play*
- "heart of the school"
- ⑦ *access to daylight and views*
- providing student choice
- natural light into the core
- ⑧ *mixed landscape*
- theater & fine arts extension
- community space
- ⑨ *shading - natural and built*
- accessible from main circulation
- ⑩ *seating + study*



Plans

Addition and Renovation



Looking to the Future

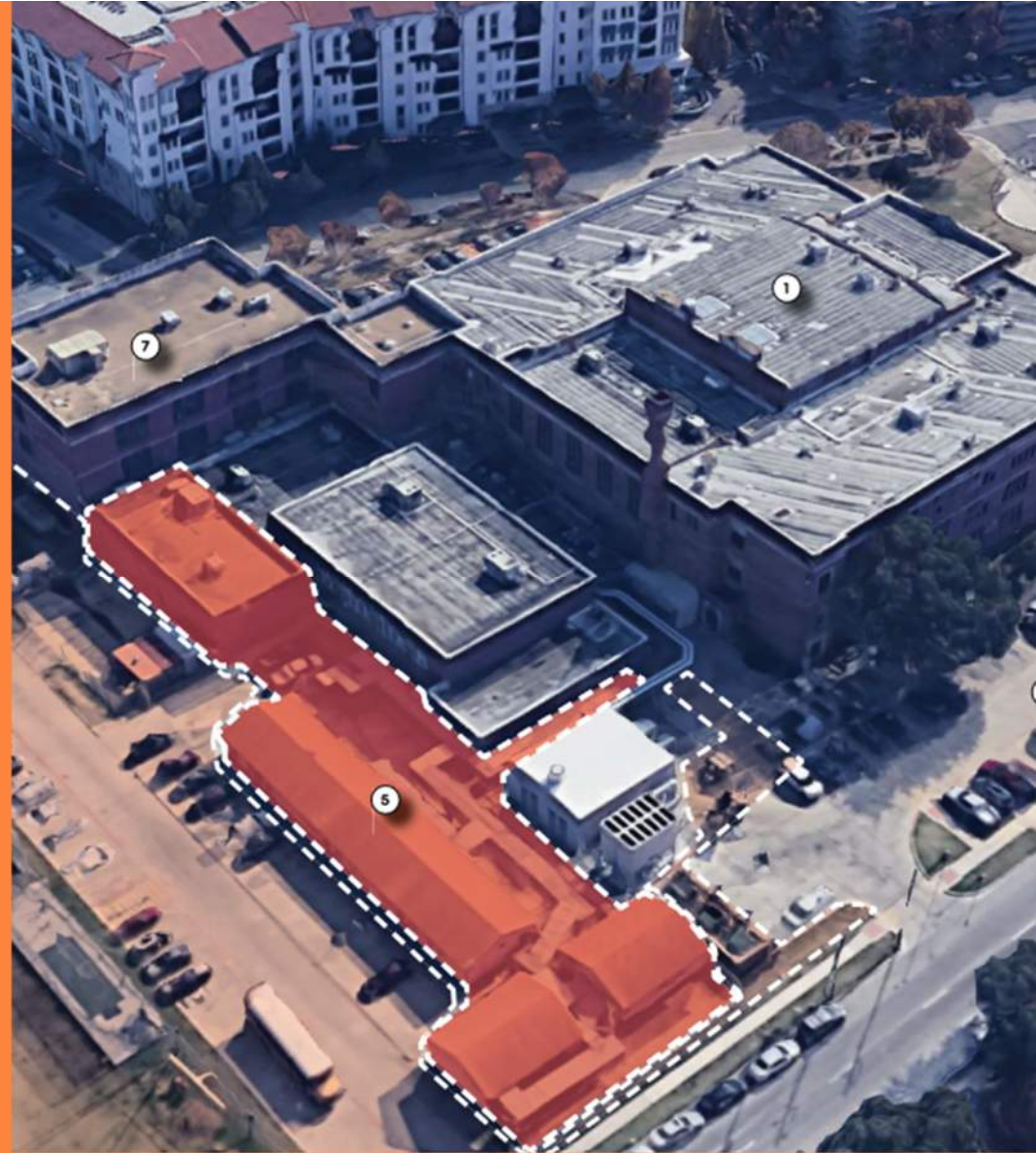
Section 04.

Historic Connection

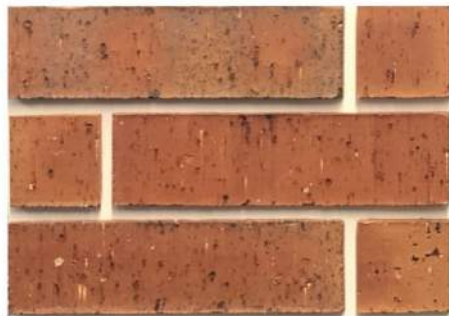


Preserving History

Aerial view of the demolition scope. The proposed addition provides a link from the existing recreation zones to the athletic fields while providing new facilities and enhancing the sense of space for community.



Exterior Design



50% A + 50% B
New Blend for Upper Level



50% C + 50% D
New Blend for Base



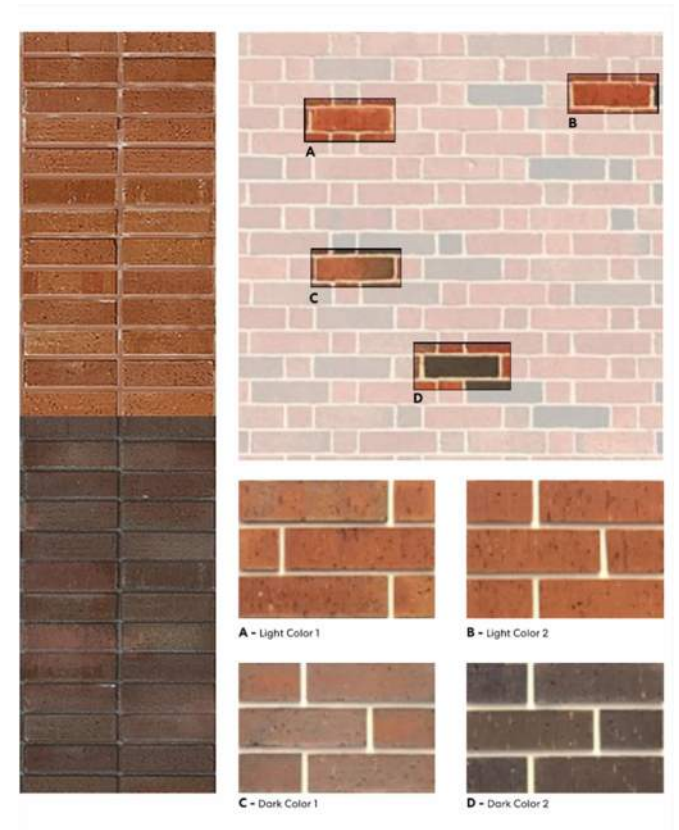
New Brick Blends

Respecting the existing 1922 building



New Stack Bond Brick Coursing

A deliberate departure from existing.



Exterior Design



←
Maintaining Horizontal Continuity
Strong continuous datum lines.

Horizontal Continuity

North Dallas High School



Continuity with the Past



Highlight by Contrast



Looking to the Future

Section 05.

Upgrades Through Design





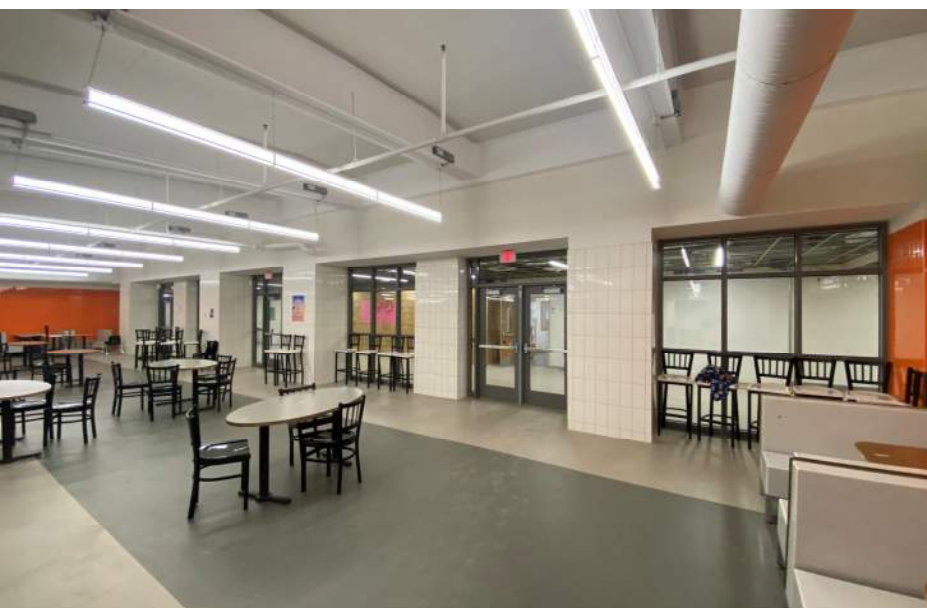
North Dallas High School Library
Renovated space





North Dallas High School Lunchroom
Renovated space



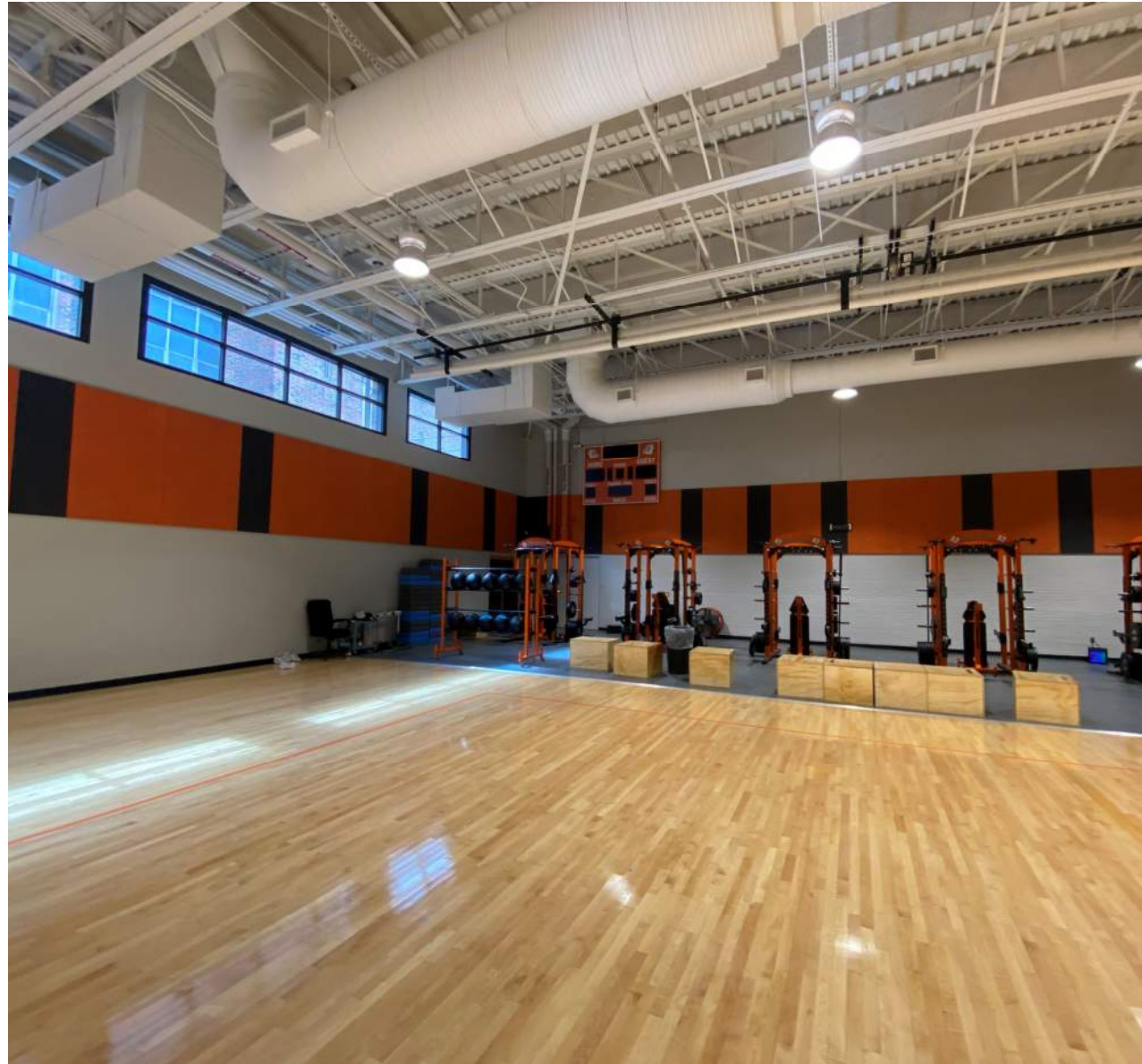


North Dallas High School Lunchroom
Renovated Spaces



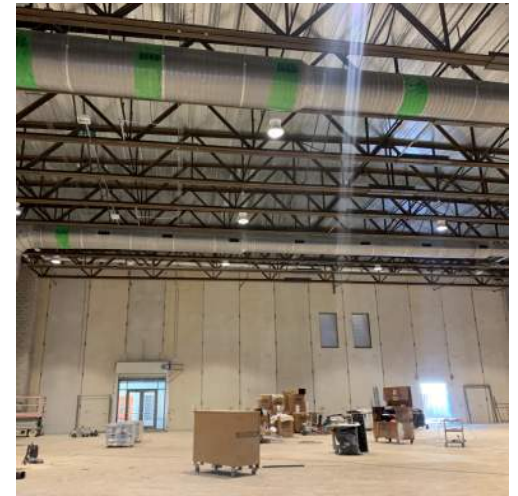


North Dallas High School Auxiliary Gym
Renovated space





North Dallas High School Competition Gym
New Addition



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Questions?

Thank you for coming!