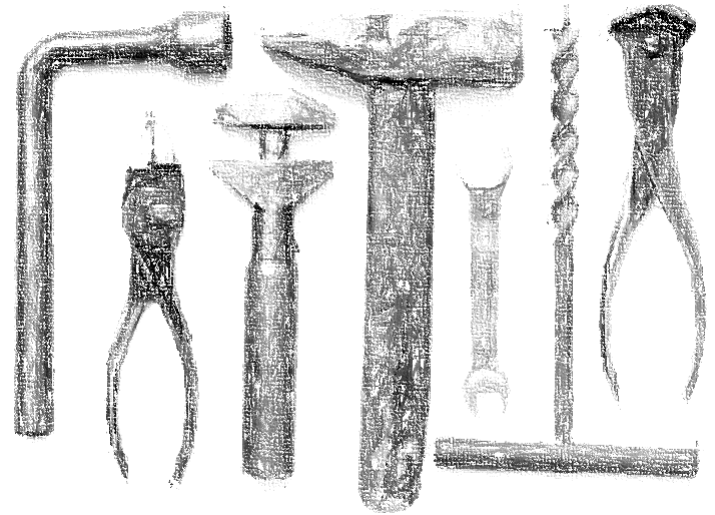


# HARNESSING HISTORY

Restoration through  
Modern Technologies  
and Traditional Techniques





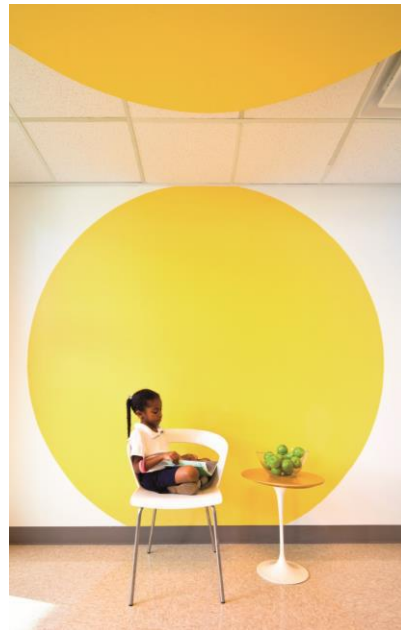
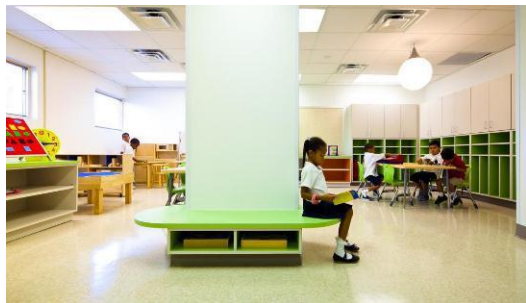
**Kirksey**  
ARCHITECTURE





**Kirksey**  
ARCHITECTURE





**Kirksey**  
ARCHITECTURE



## **Learning Objectives:**

1. Sustainable / energy efficient design and strategies of the early 20<sup>th</sup> century
2. Tools for assessing envelope, and structural conditions of historic buildings
3. Energy modeling and building simulation tools (WUFI, solar and CFDs)
4. The power of drawings as a communication tool, finding the best way to communicate



# **HARNESSING HISTORY**

The background of the slide is a grayscale photograph of a classical building's facade. It features a prominent column on the left and a pediment with decorative elements, including a hand sculpture on the right. The overall tone is historical and architectural.

Restoration through  
Modern Technologies  
and Traditional Techniques



# **WHY ARE WE HERE**

**Learning from old traditions**

**RESTORE A BUILDING IN HOUSTON**

**UNDERSTAND HOW WE BUILT FOR THIS CLIMATE AND  
THIS REGION**

# **WHY ARE WE HERE**

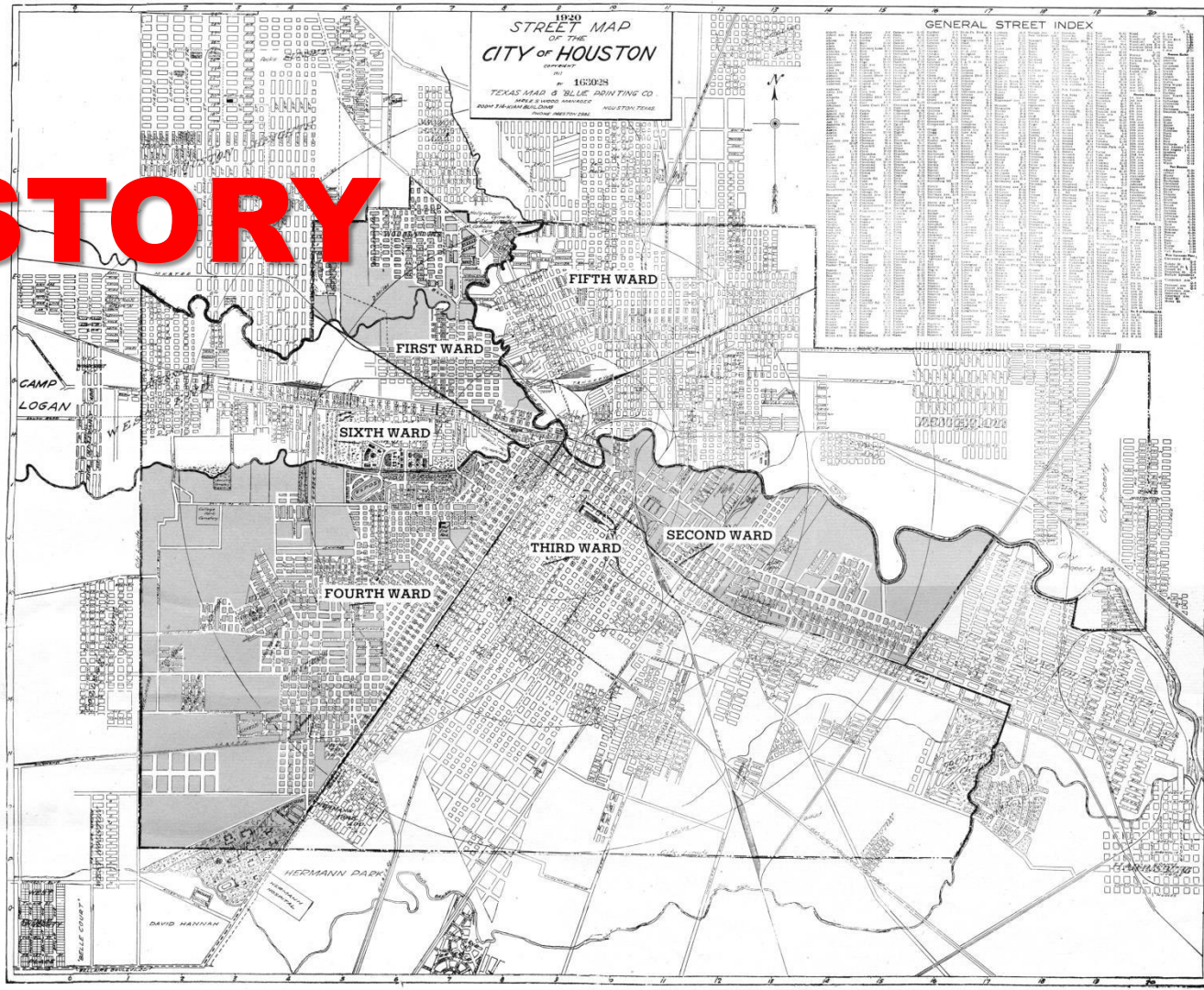
## **Applying Modern Technology**

**EVALUATE A 91 YEAR OLD BUILDING , WHILE  
MEASURING ITS ENERGY PERFORMANCE WITH  
MODERN TOOLS**

**SIMULATE AND CONSTRUCT A MODERN DESIGN INTO  
THAT BUILDING**

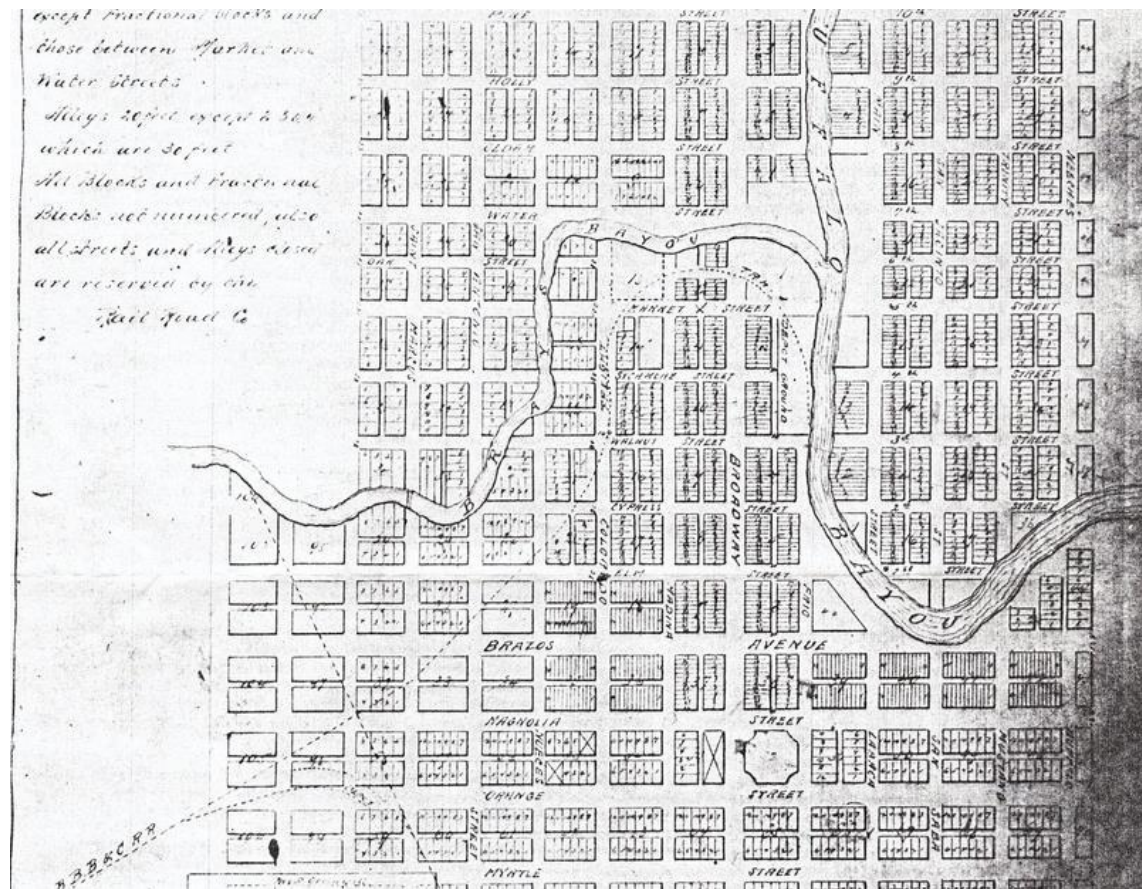


# HISTORY

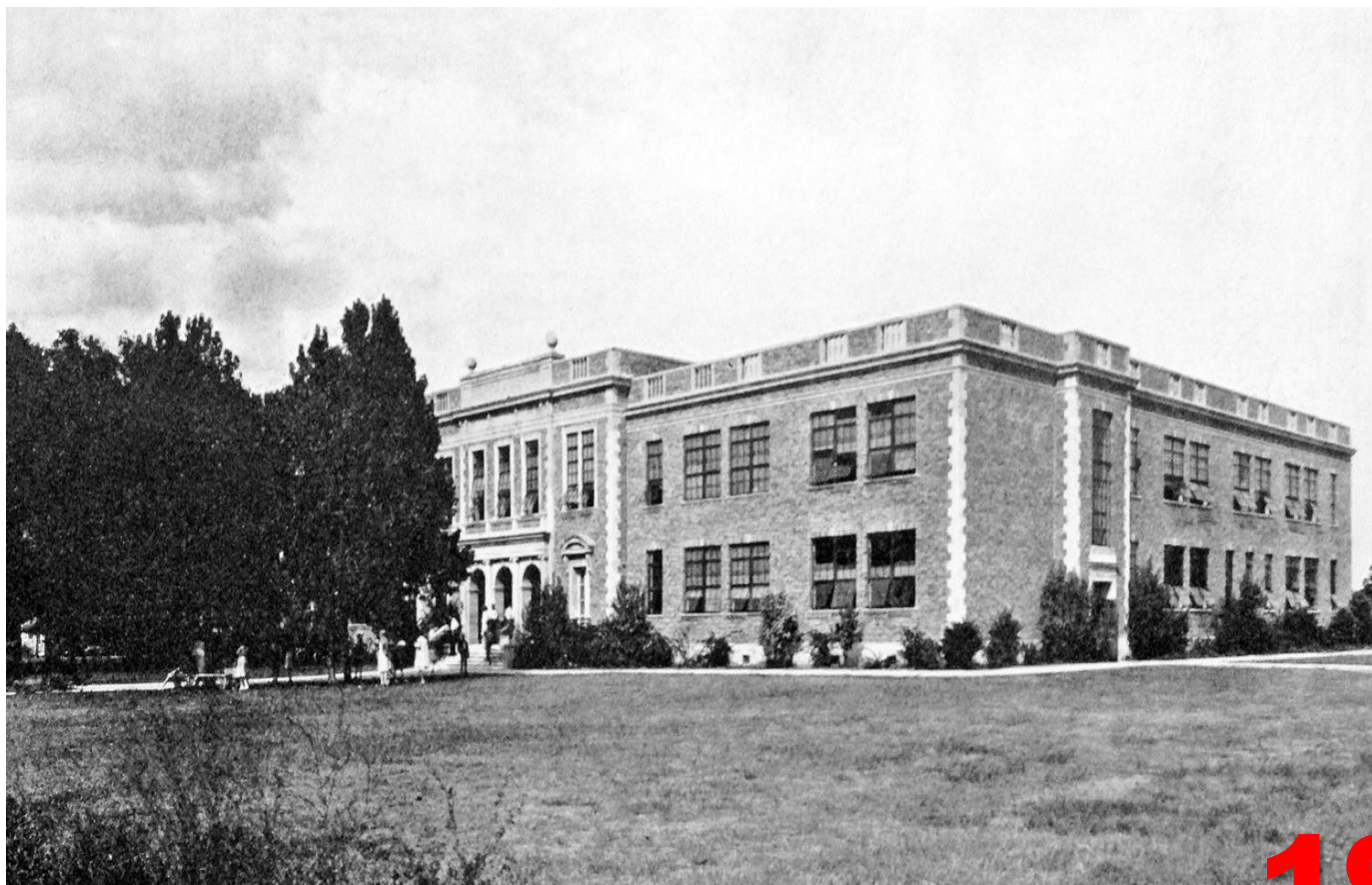


except fractional blocks and  
those between Barker and  
Water Streets.

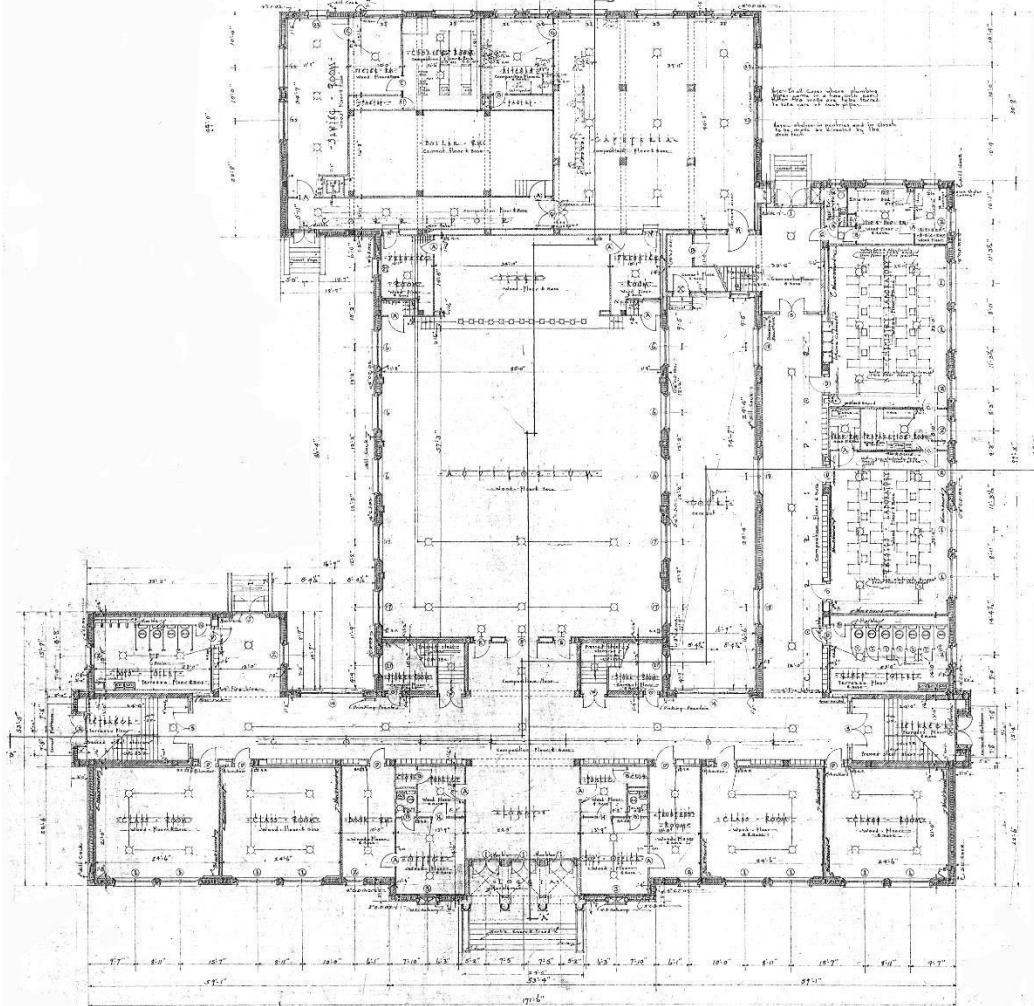
Flags kept except to see  
which are kept  
All blocks and fractional  
blocks not numbered, also  
all streets and flags also  
are reserved by the  
Rail Road Co.







**1926**



## World's Lowest Priced Touring Car

with Sliding Gear Transmission

**\$495**

52 WEEKS  
TO PAY!

### No Equal in Value

Buyers are flocking to Overland for its economy—to save money and to get more quality and sound value for their money!

Here is a car that makes motoring safe, more comfortable, more economical—the new Overland Touring Car—the world's finest priced touring car with sliding gear transmission—a car that saves you money dollar in first cost—saves gas, tires, oil and upkeep—the greatest Overland value ever offered!

Abundant power—quick getaway—a heavy frame—a year's ride of tough fly-by-day—mud-slicks, big, six brakes—a modern disc-type clutch—everything that assures dependability and long life.

You can buy your Overland out of your income with a small down payment—and have 52 weeks to pay the balance!

## ALL-STEEL OVERLAND

Willys-Knight Overland Sales Co.  
McKinney at Austin (Incorporated) Phone Preston 686

## Spring FEVER

What is Spring Fever?

It is simply low Vitality, a lack of Energy, impurities in the Blood. You feel tired in the Spring because the Blood is not of the milken change.

At this season of the year, Nature throws off the Impurities and adjust its warm temperature. At Good Blood Tonic just at this time, help to Nature, it Strengthens and Lungs the whole system.

**Grove's  
Tasteless Chilli T.**

Is made for that purpose; it contains just Blood acids, HON and QUININE, and is able to the most delicate economy. It is the natural germ, Purifier and Good Blood and requires the Blood to withstand of Summer. You can now feel its Strengthening Effect. 60c per bottle.

**Whenever You Need  
General Strengthening  
Take Grove's**

HARRISBURG INDEPENDENT SCHOOL DISTRICT ADDITION TO HARRISBURG HIGH SCHOOL HARRISBURG TEXAS.		
SHEET NO 4	LOUIS A GLOVER ARCHITECT HOUSTON, TEXAS.	JOB NO 611-27.



COOL



Main entrance

Houston  
Night School

Pre-1960

1926

1960

1960

1936

1928

1960

1949-50

High  
School

ADDITIONS  
EVERY DECADE



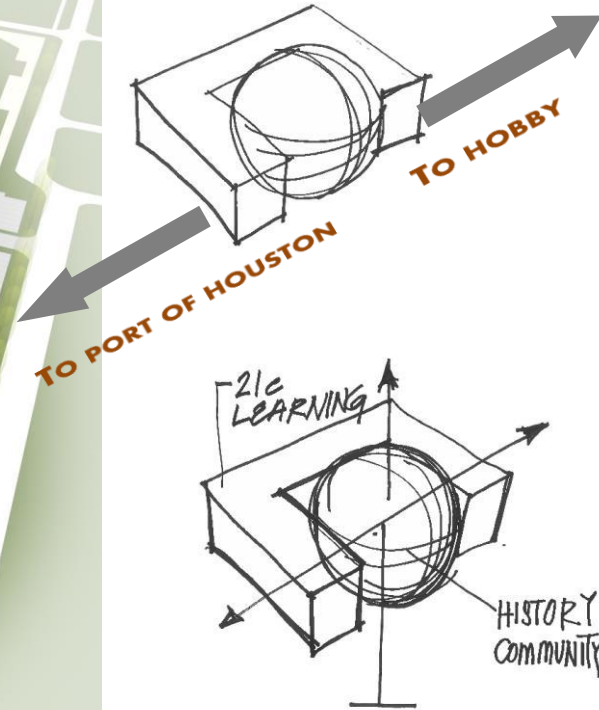








# design concept













first tool

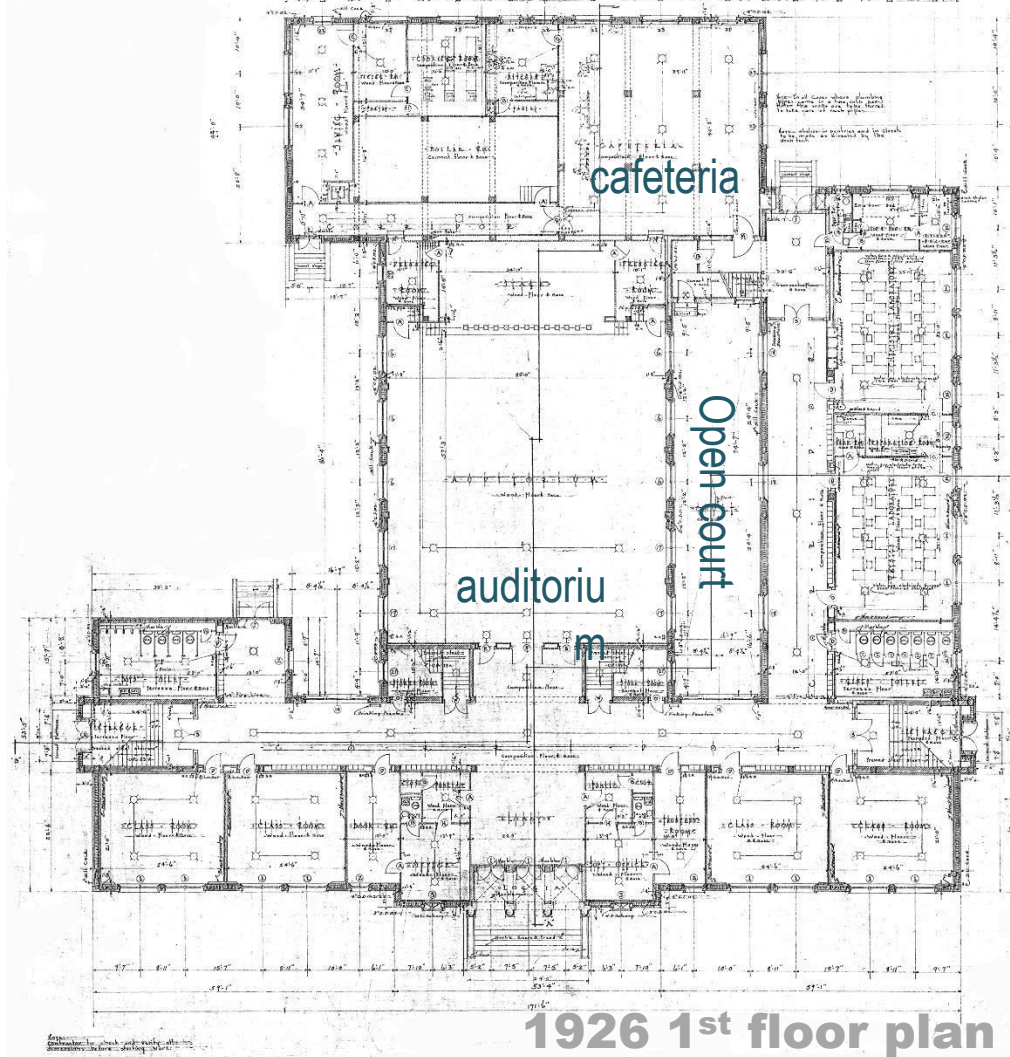
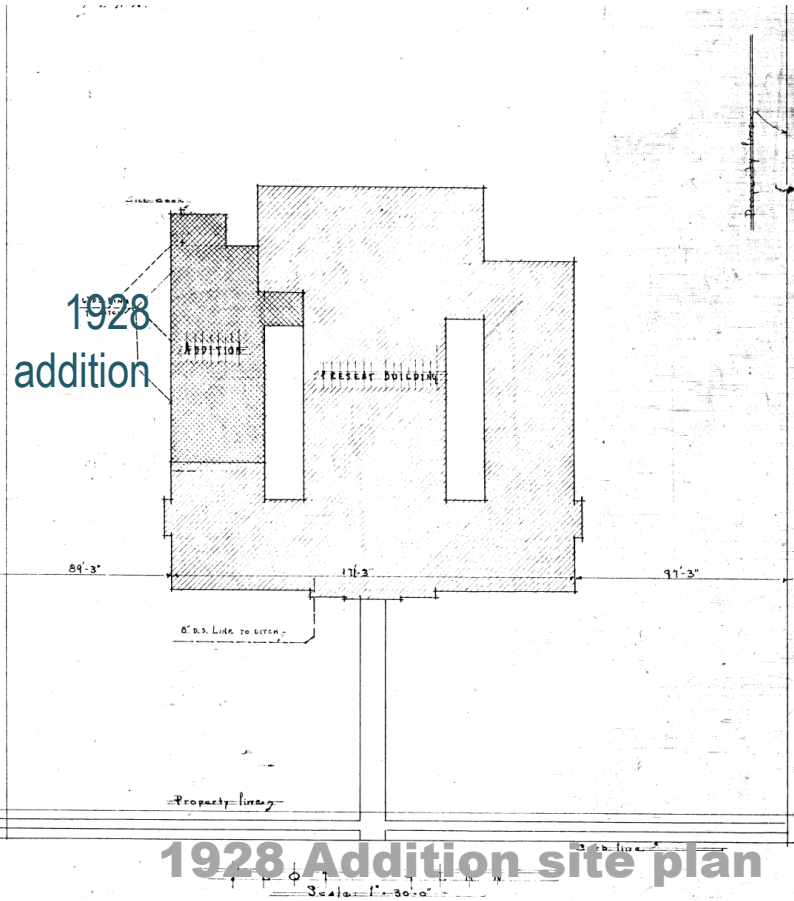
Original

HARRISBURG INDEPENDENT SCHOOL DISTRICT		
ADDITION TO HARRISBURG HIGH SCHOOL		
HARRISBURG TEXAS		
SHEET NO 4	LOUIS A GLOVER ARCHITECT. HOUSTON, TEXAS.	JOB NO 6-11-27.

Documents

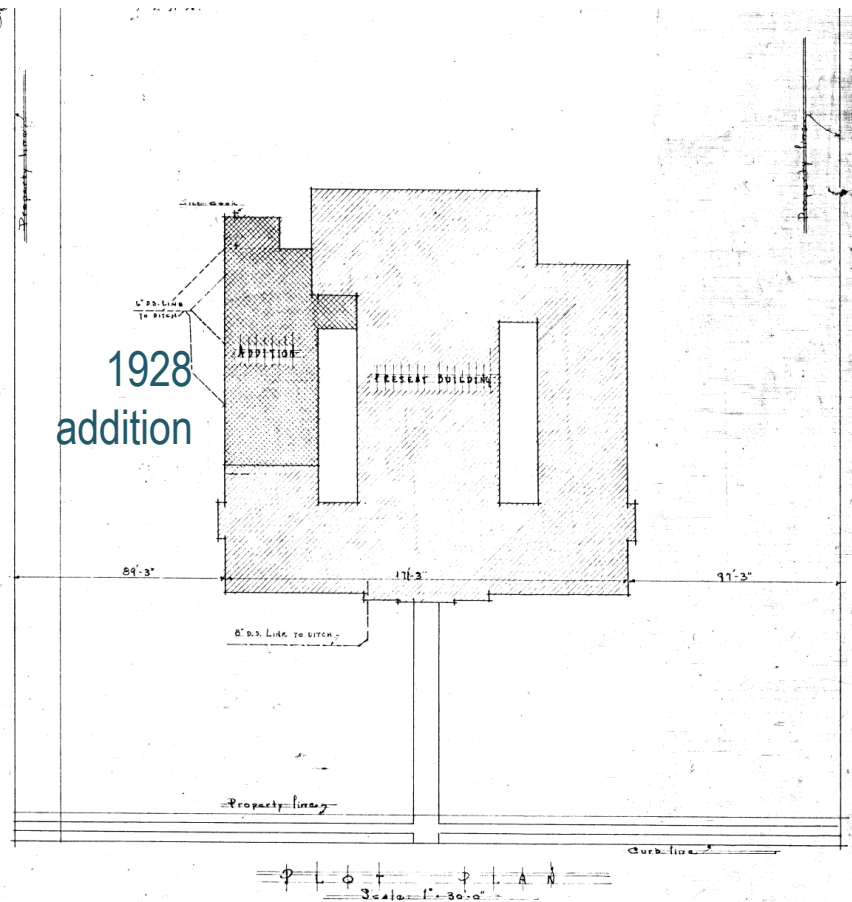
1

# EXISTING PLANS

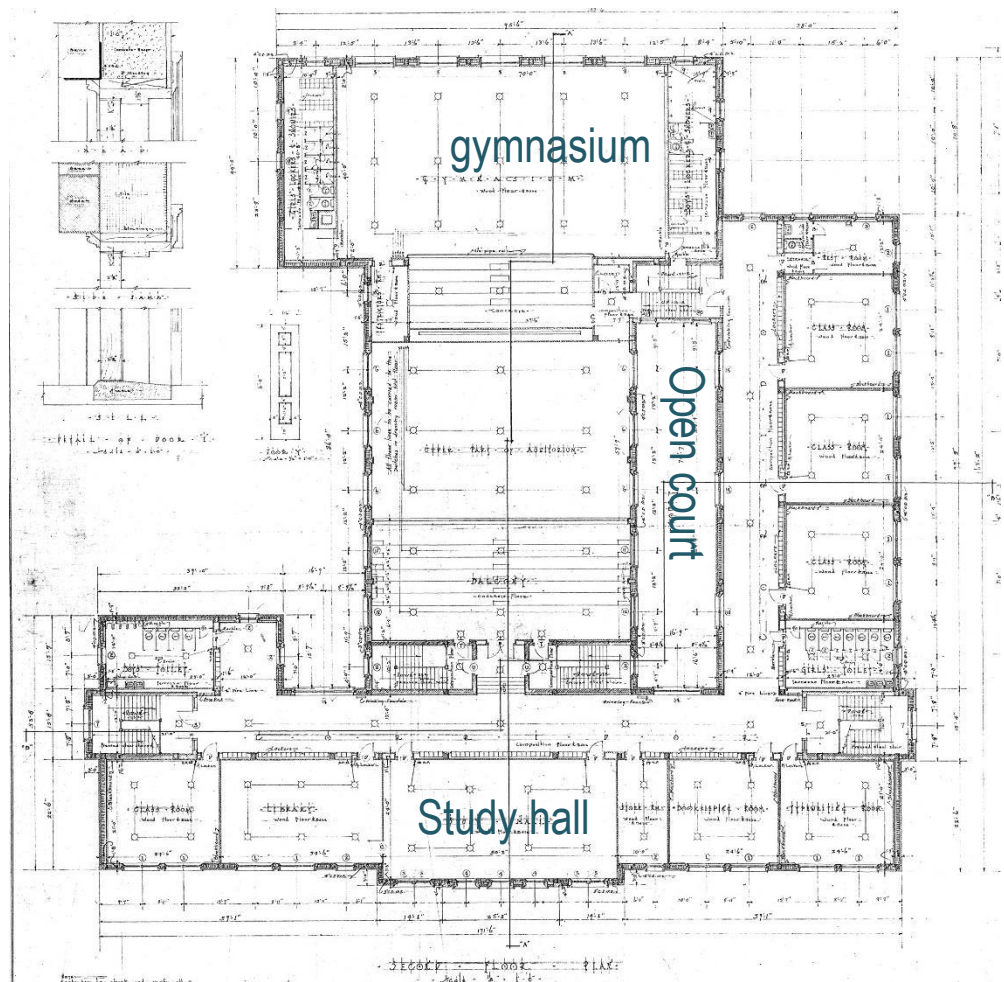




# EXISTING PLANS



1928 Addition site plan



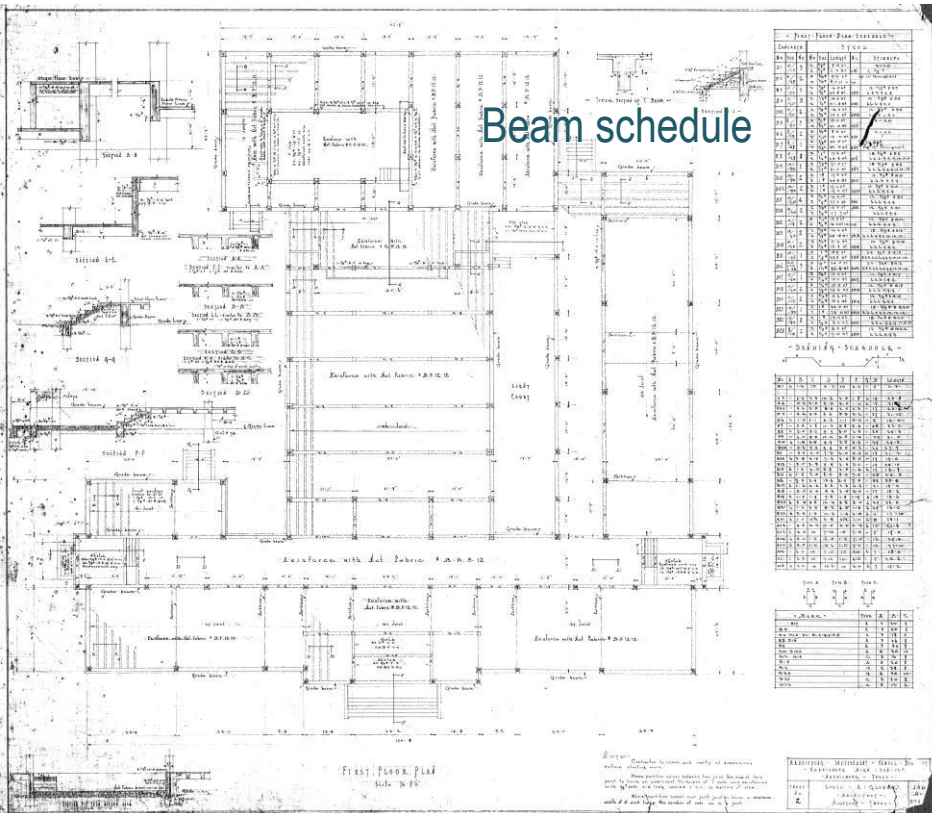
1926 2<sup>nd</sup> floor plan



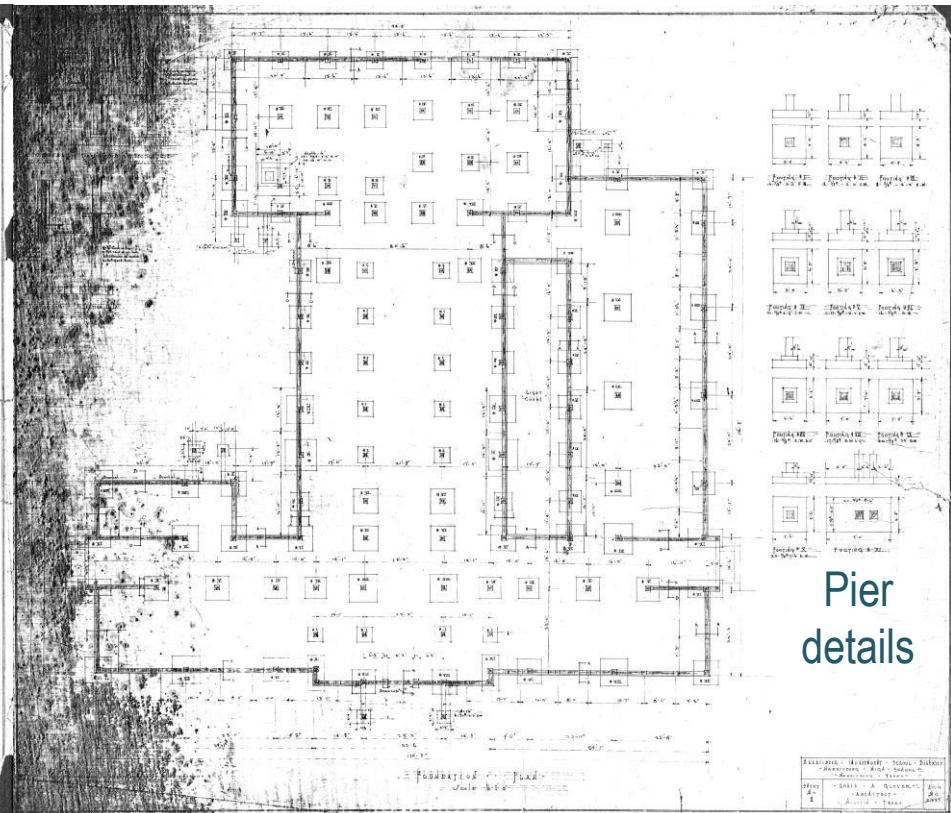




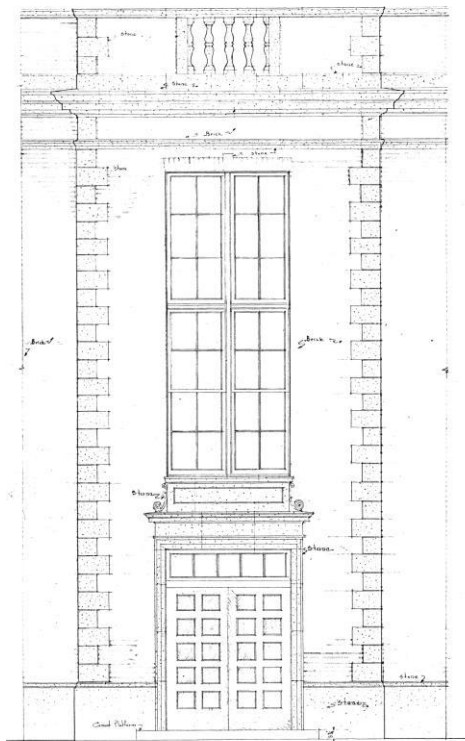
# EXISTING STRUCTURAL DOCUMENTS



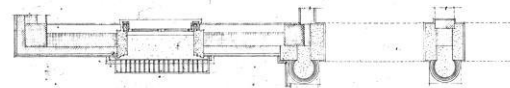
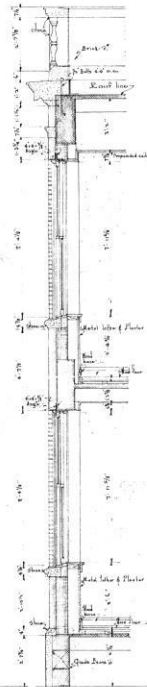
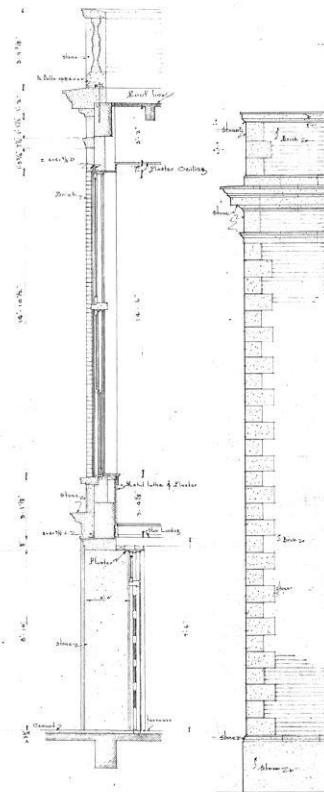
Structural Frame



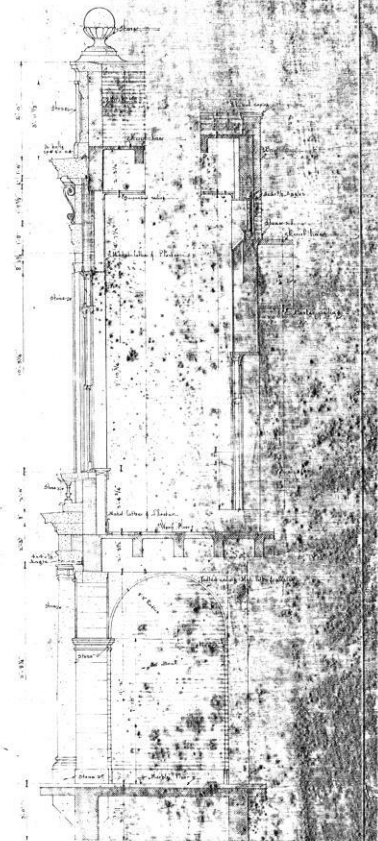
Foundation Plan



DETAIL OF SIDE ELEVATION  
- Scale 1/4" = 1' -

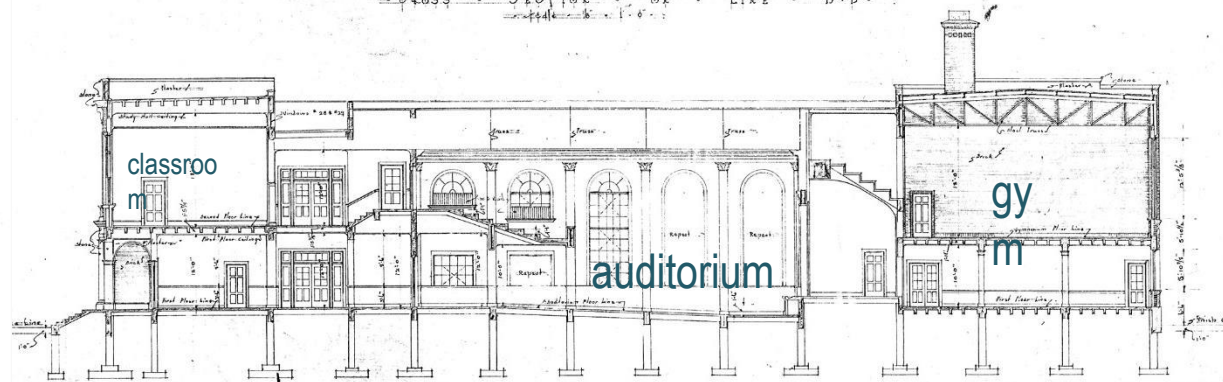
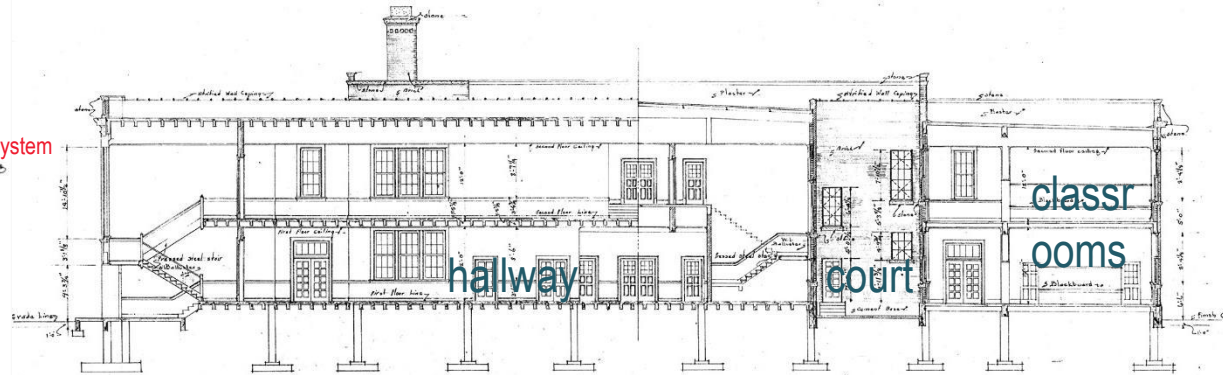
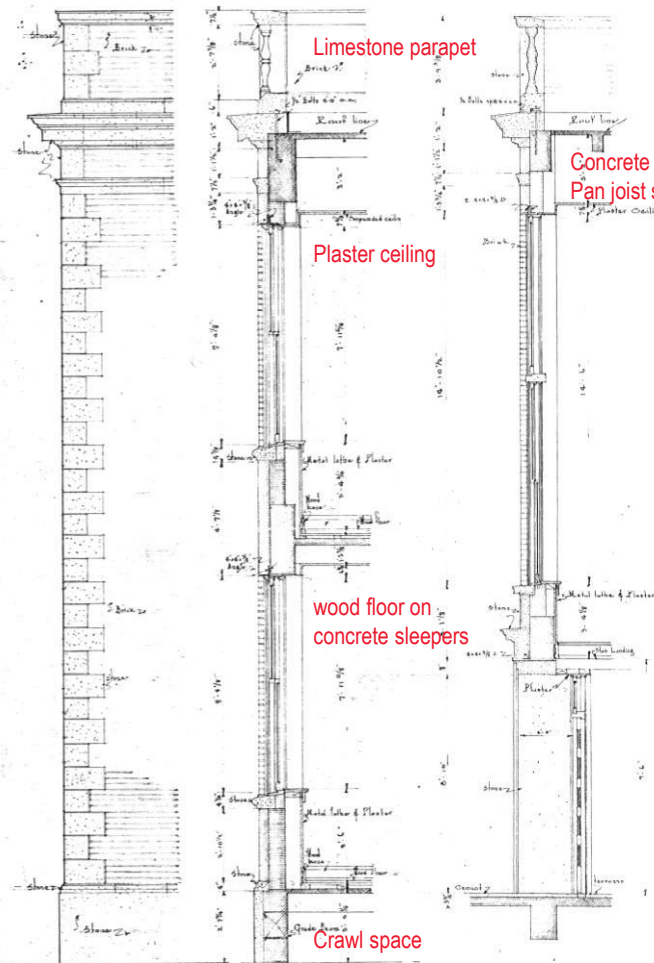


DETAIL OF FRONT ELEVATION  
- Scale 1/4" = 1' -



# EXISTING WALL SECTIONS





## WALL AND BUILDING SECTIONS











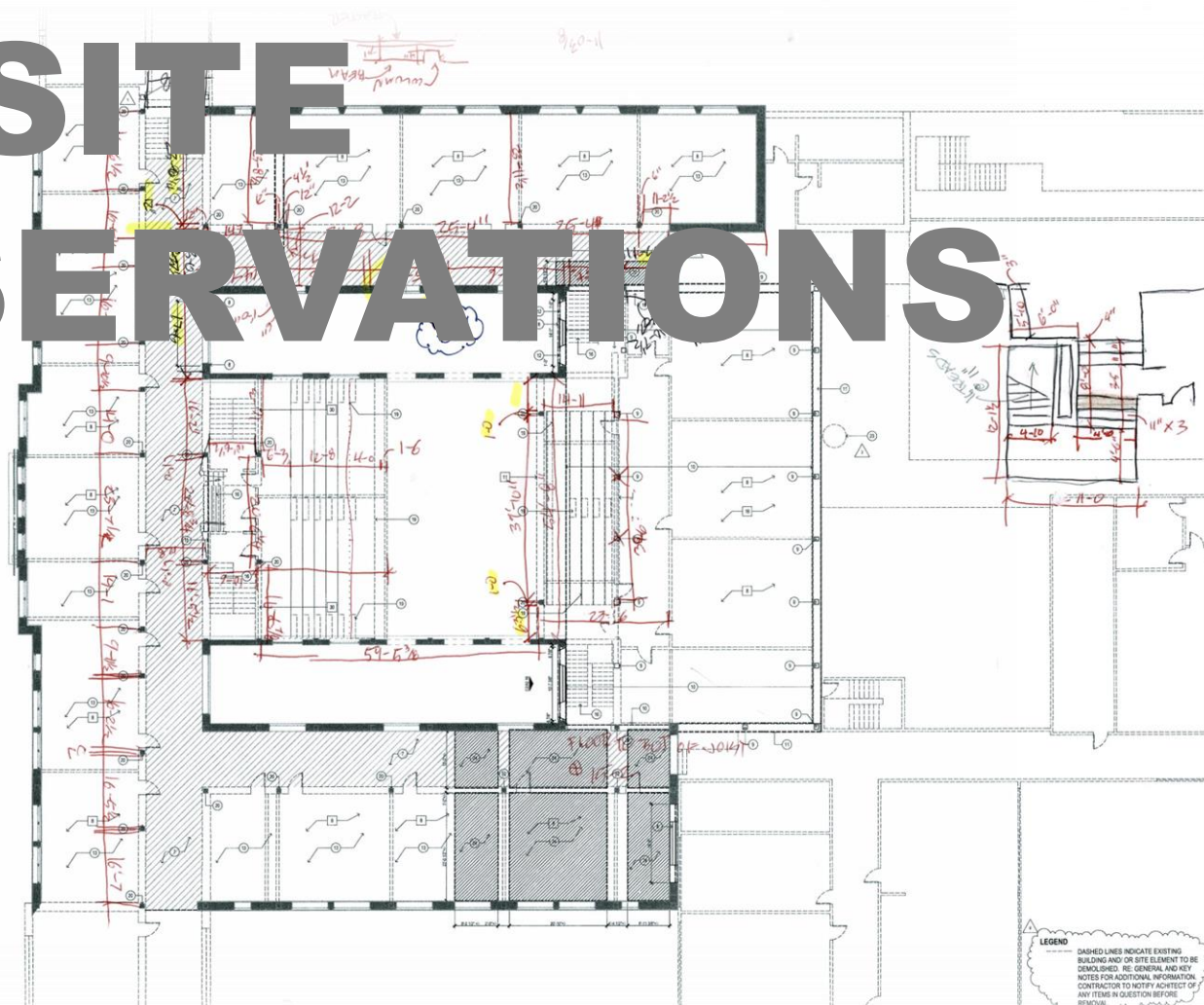
**second tool**

# **Assessments**

**Visual, Structural,  
Analysis**

**2**

# ON-SITE OBSERVATIONS



KIRKSEY  
ARCHITECTURAL PC

6909 Portwest Drive  
Houston Texas 77024  
713 850 9600  
kirksey.com

PROJECT TEAM  
MATRIX  
STRUCTURAL ENGINEER  
JONES / DIB  
MEP ENGINEER  
QTHON  
CIVIL ENGINEER  
FDP  
FOOD SERVICE  
LAUREN GRIFFITH  
ASSOCIATES  
LANDSCAPE ARCHITECT  
HARRIS & ASSOCIATES  
ARCHITECTS  
ASSOC. ARCHITECT



14 NOVEMBER 2014

NO.	DATE	REVISION
01	14 AUG 2014	ISSUED FOR PERMIT
02	02 SEP 2014	ADDENDUM 1
03	08 SEP 2014	ADDENDUM 2
04	24 NOV 2014	CPD 2
05	10 DEC 2014	REV 1

PROJECT NAME  
HISD MILBY HIGH SCHOOL

PROJECT ADDRESS  
1601 BROADWAY  
HOUSTON, TX 77012

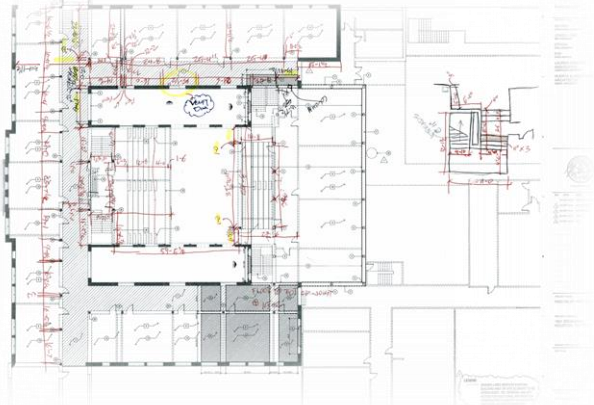
KIRKSEY PROJECT NO.  
KEY PLAN

**LEGEND**  
DASHED LINES INDICATE EXISTING  
BUILDING AND/OR SITE ELEMENT TO BE  
DEMOLISHED. RE: GENERAL AND KEY  
NOTES FOR ADDITIONAL INFORMATION.  
CONTRACTOR TO NOTIFY ARCHITECT OF  
ANY ITEMS IN QUESTION BEFORE  
STARTING.

SHEET TITLE  
Entered Level 2 Demolition Plan



# EXISTING STRUCTURAL VERIFICATION:



















# EXISTING BALCONY SEATING WAS A MYSTERY

















**WHAT'S  
BEHIND  
THIS  
WALL?**





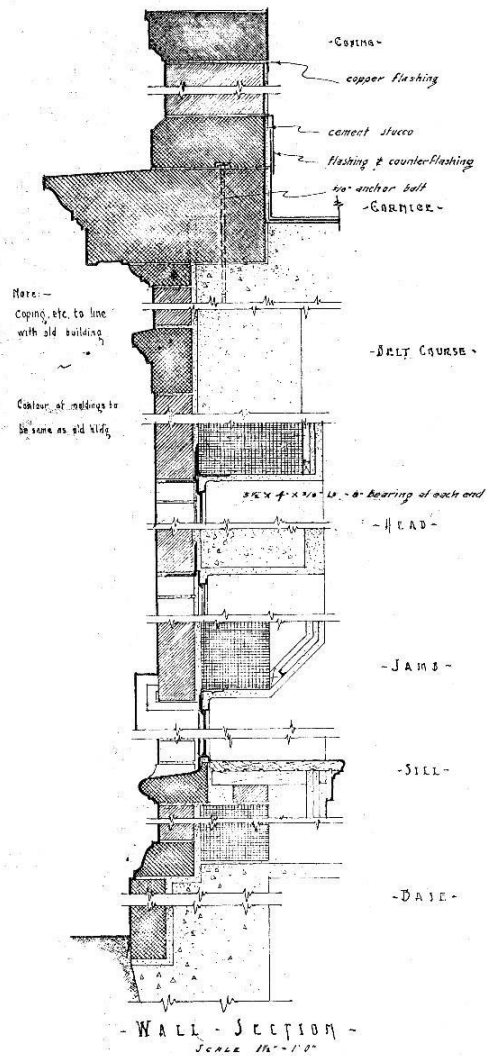


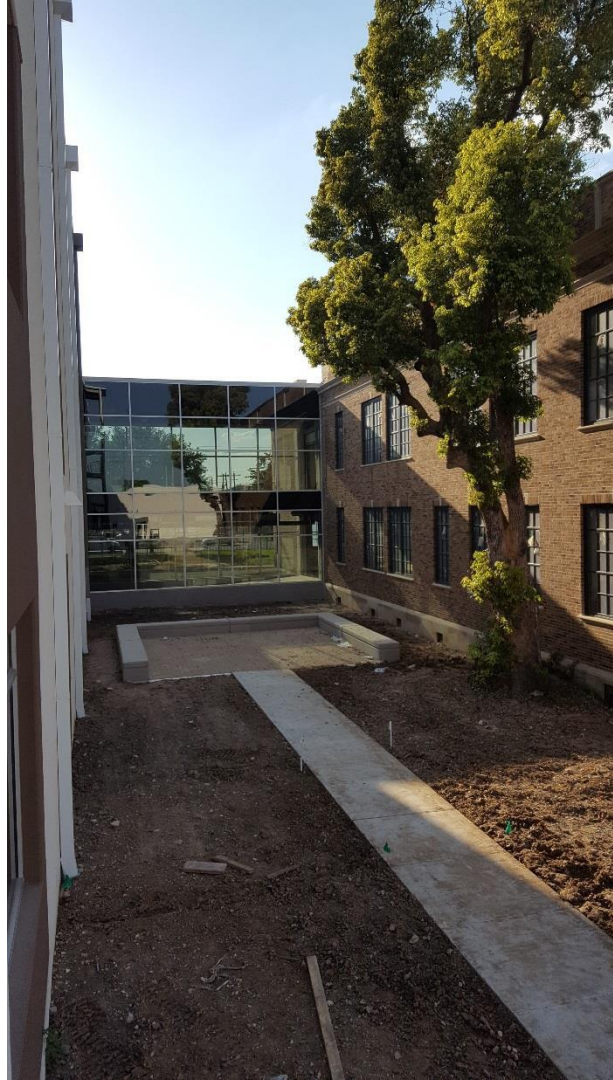




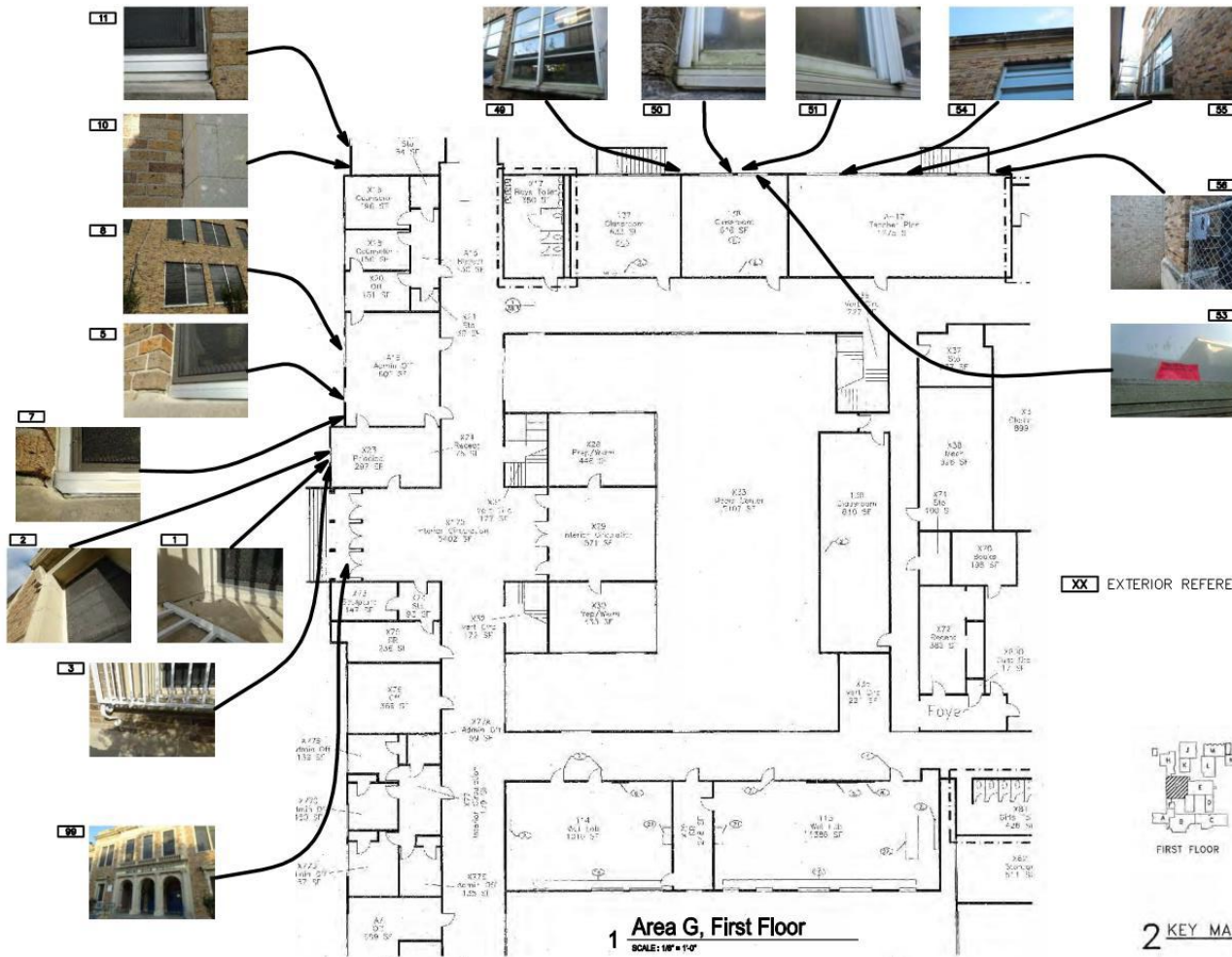


# ENVELOPE ASSESSMENT









**Terracon**

Texas Registered Engineering Firm F-3272  
11555 Clay Road  
Houston, Texas 77043  
P (713) 690-8989 | F (713) 690-8787

**Milby High School**  
1601 Broadway Houston, Texas

SHEET REFERENCE:  
Exterior  
Photo Locations

REVISION NO. :

SCALE: As Noted

DATE: 12/03/2013

**A4**

third tool

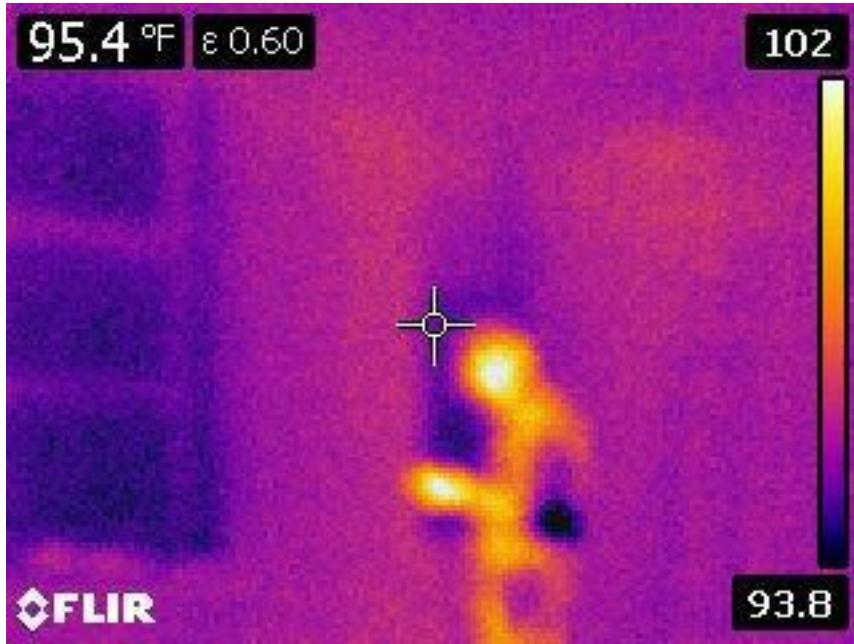
DIGITAL  
IMAGING

THERMAL | INFA-RED





# THERMAL IMAGING

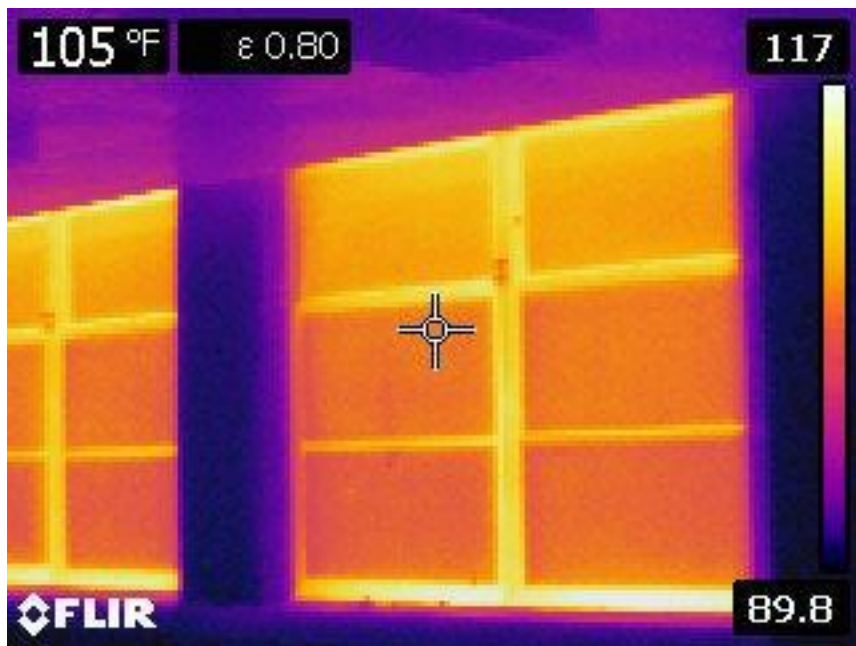


**WINDOWS @ WEST FACING CLASSROOMS**



**SKYLIGHTS AT COURT**





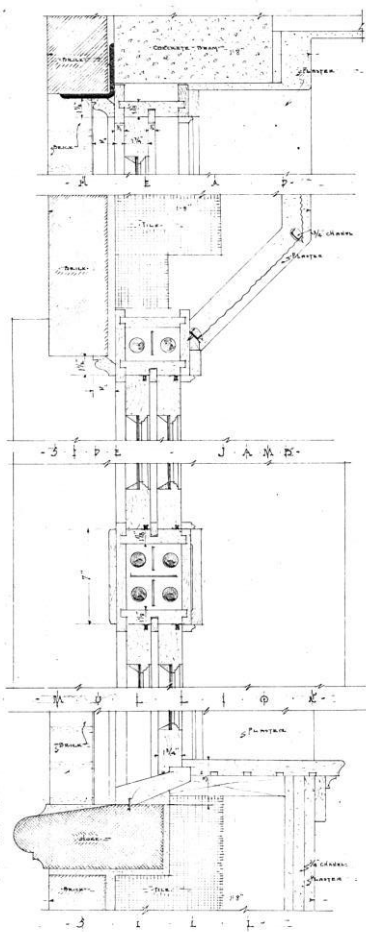
**WINDOWS @ WEST FACING CLASSROOMS**



## ORIGINAL WINDOWS

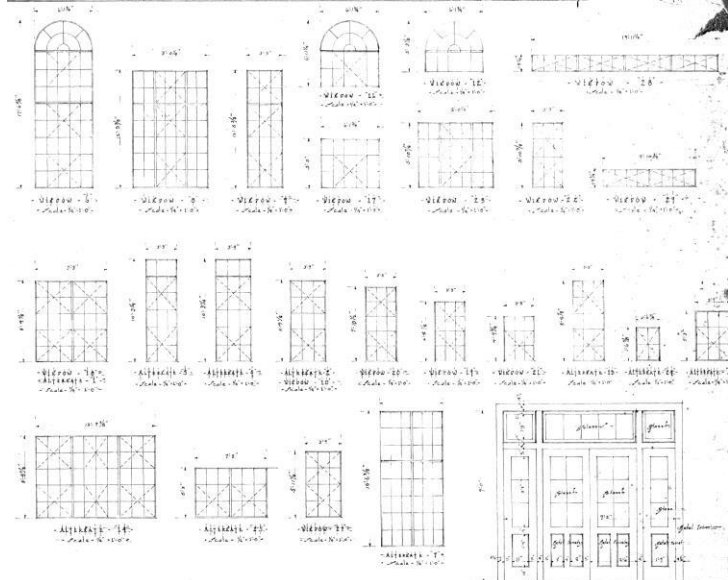


## EXISTING WINDOWS



DETAIL - OF - WINDOWS - 1-7-14-25  
Scale - 3" = 1'-0"

Note: The top of window 1-7-14-25 will be the same as window 1-7-14-25. The bottom of window 1-7-14-25 will be the same as window 1-7-14-25. The top of window 1-7-14-25 will be the same as window 1-7-14-25. The bottom of window 1-7-14-25 will be the same as window 1-7-14-25.



NO.	QTY	SIZE	TYPE	DESCRIPTION	PRICE	AMOUNT	TOTAL
1	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
2	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
3	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
4	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
5	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
6	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
7	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
8	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
9	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
10	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
11	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
12	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
13	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
14	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
15	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
16	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
17	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
18	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
19	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
20	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
21	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
22	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
23	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
24	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
25	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
26	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
27	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
28	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
29	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00
30	1	12" x 12"	1/2"	Window frame	12.00	12.00	12.00

Each window to be made and ready to install before starting work.

EXISTING	REPAIRING	REPAIRING	REPAIRING
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30





THE NEW WINDOWS

fourth tool

# Building Simulation 4

W.U.F.I. | SOLAR IMAGING | CFD



# Hygrothermal Simulation for Wall Construction Assembly

## Milby High School



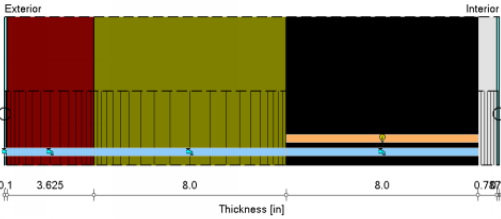
### SIMULATION INPUTS

All simulations are done for North Wall because its the worst case scenario for moisture transfer.

Materials:

Brick is modeled with a leak to allow 1% fraction of Driving Rain.

CMU is modeled with a crack to allow 5ACH air transfer.



Materials:

- Air Layer 10 mm
- Brick (old)
- Buff Matt Clay Brick
- Air Layer 25 mm
- Acrylic Stucco
- \*Air Layer

Code Uvalue :  
0.151 h·ft<sup>2</sup>·°F/Btu

Total Thickness: 20.61 in  
R-Value: 12.12 h·ft<sup>2</sup>·°F/Btu  
U-Value: 0.076 Btu/h·ft<sup>2</sup>·°F

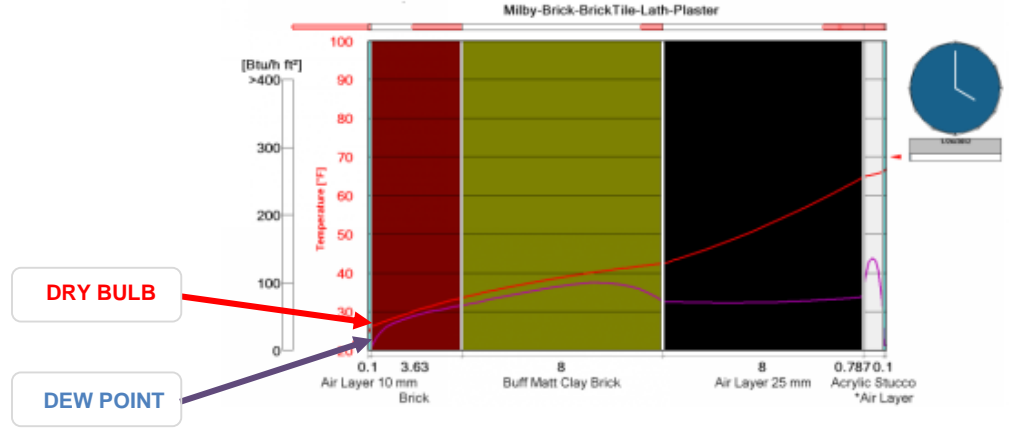
Existing Wall Uvalue =  
0.076 h·ft<sup>2</sup>·°F/Btu

(see Appendix for more details)

**WALL ASSEMBLY ALMOST  
TWICE AS EFFICIENT AS  
REQUIRED BY ASHRAE FOR  
MASS WALLS**

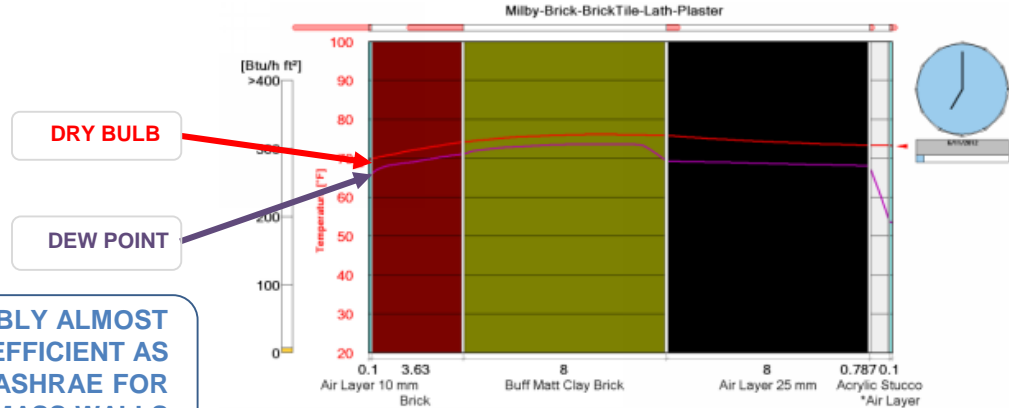
### POINT IN TIME SIMULATIONS

Jan 24<sup>th</sup>, 4am

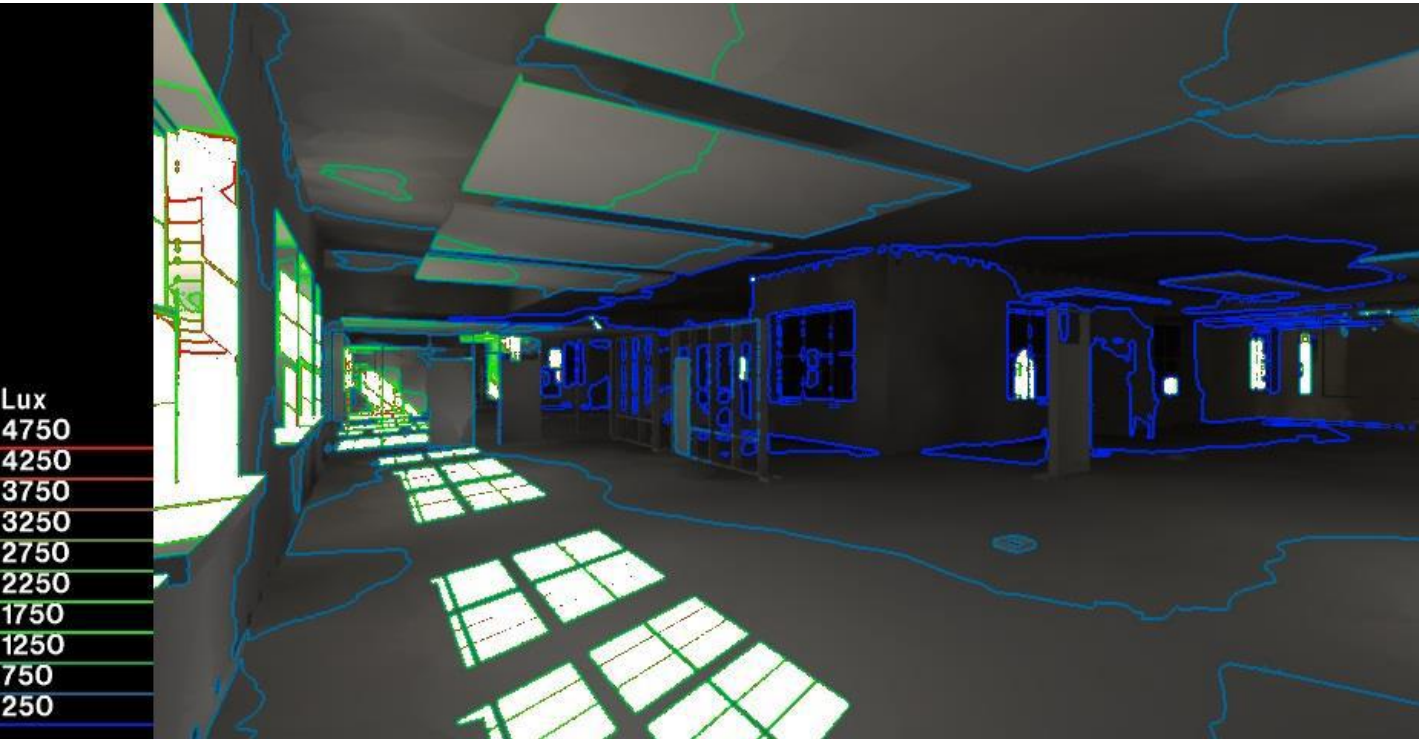


### POINT IN TIME SIMULATIONS

June 11<sup>th</sup>, 7am



# RADIANCE IMAGING



**West Facing – SECOND FLOOR MAIN HALLWAY**

**3:00 PM**



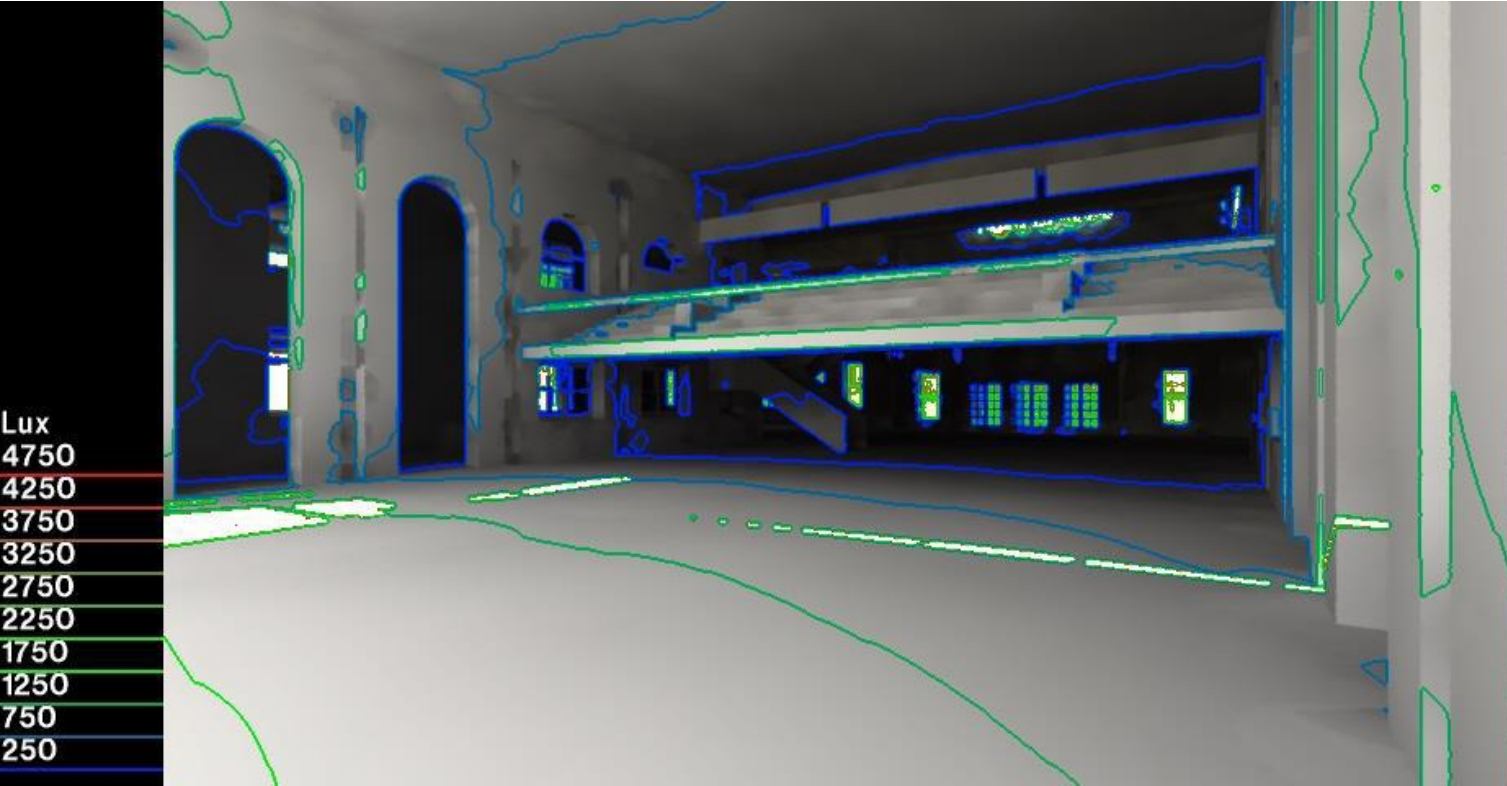








# RADIANCE IMAGING

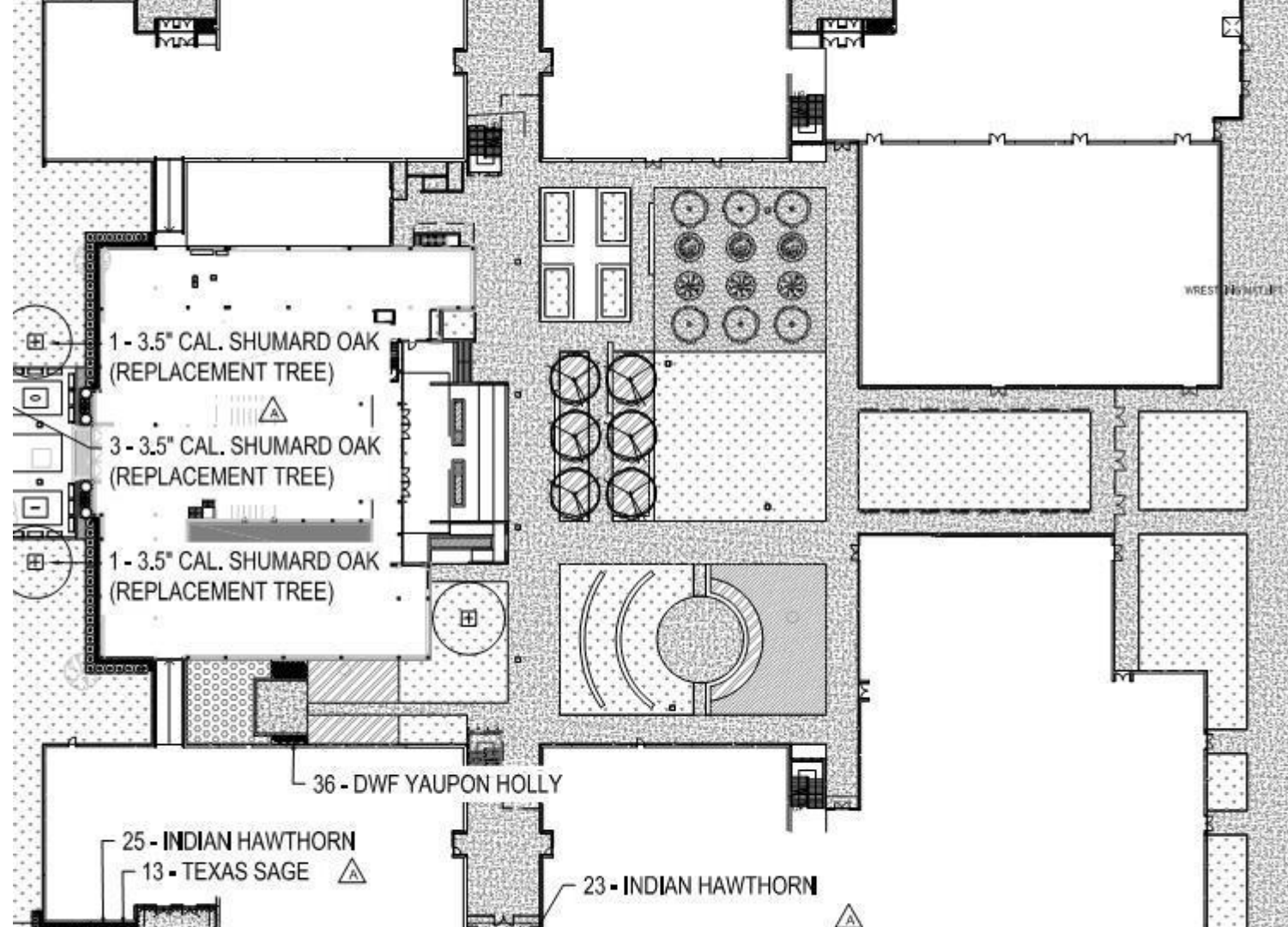


**East Facing – FIRST FLOOR DINING COMMONS 9:00 AM**

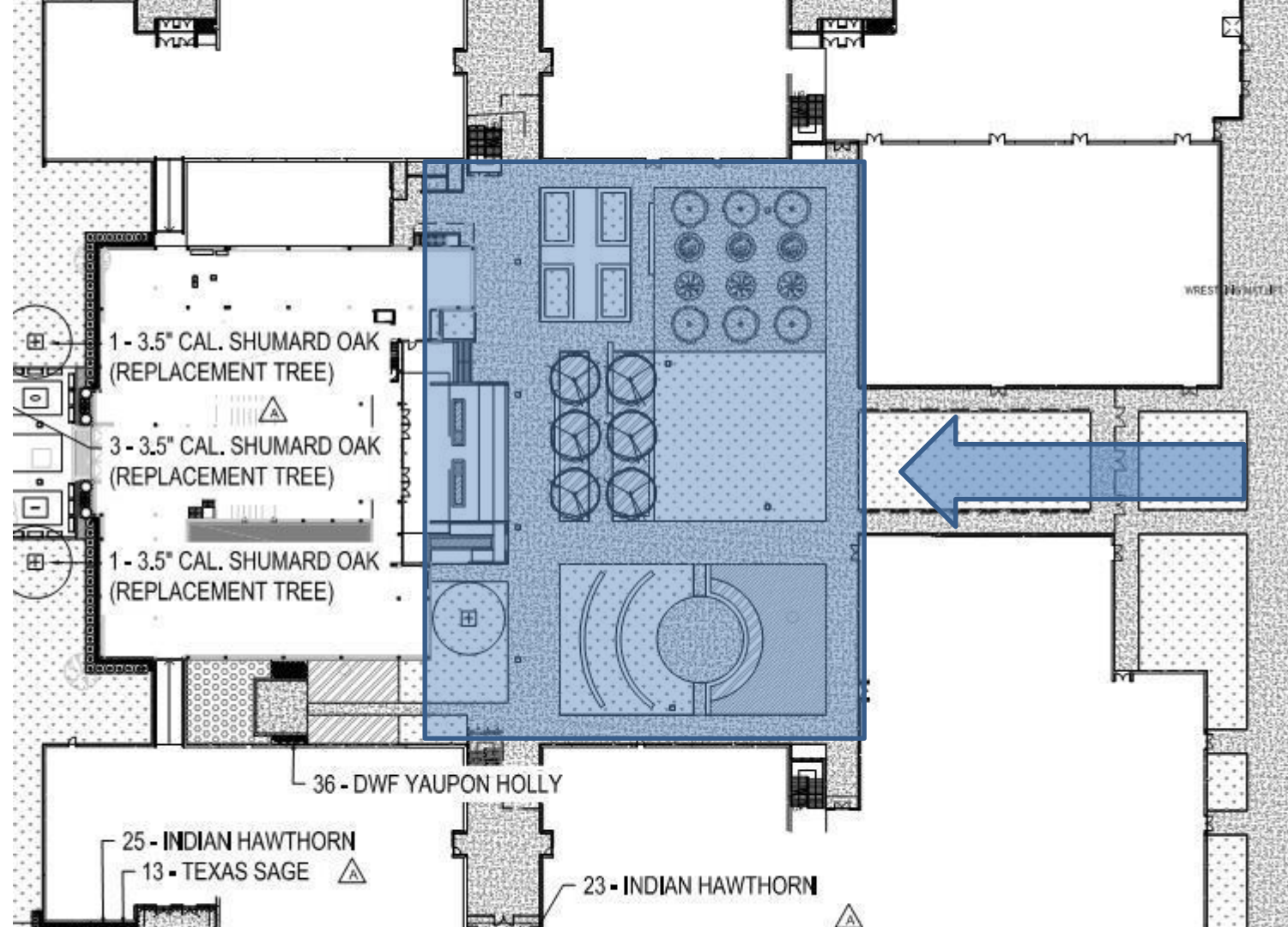


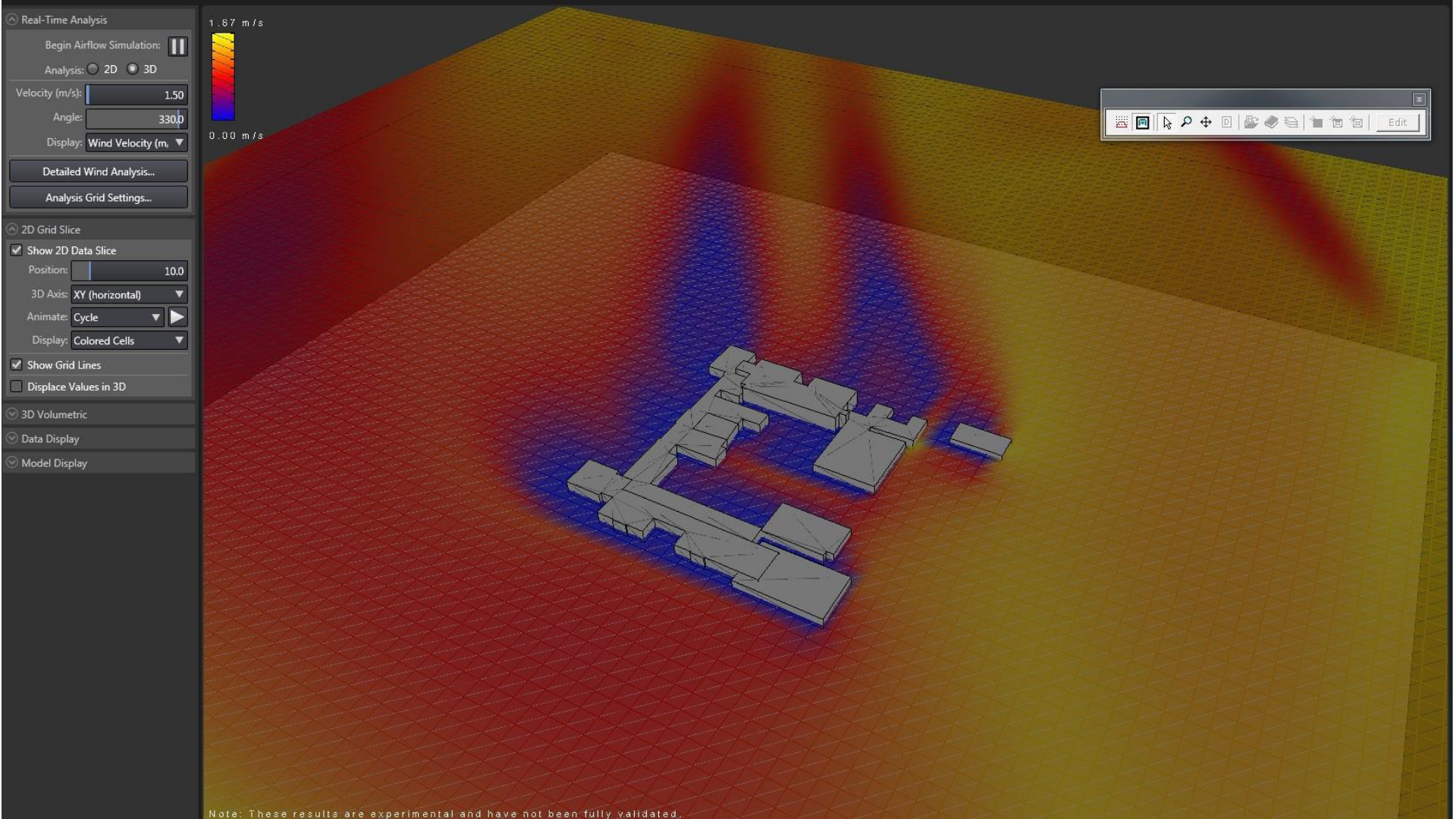




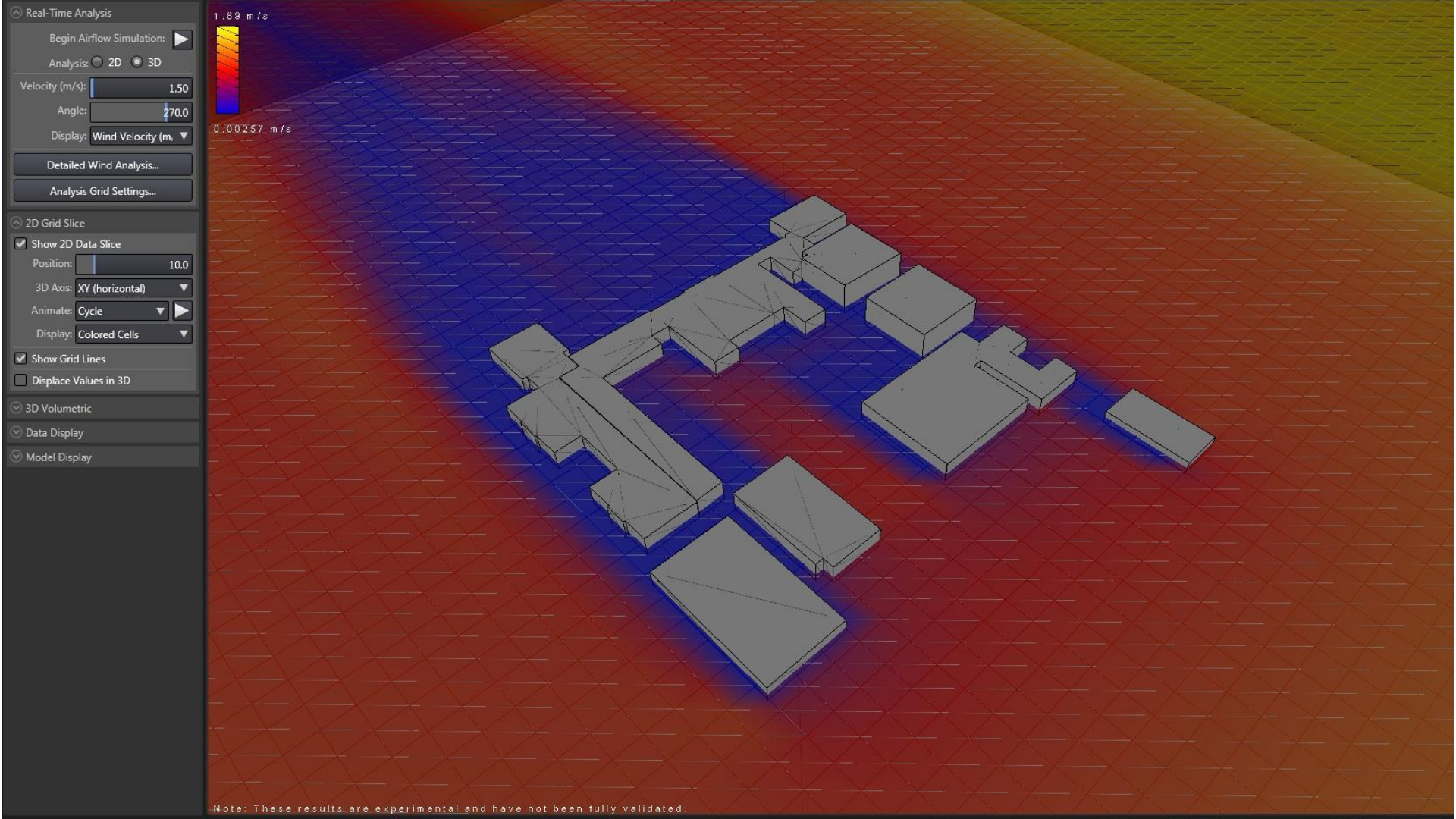


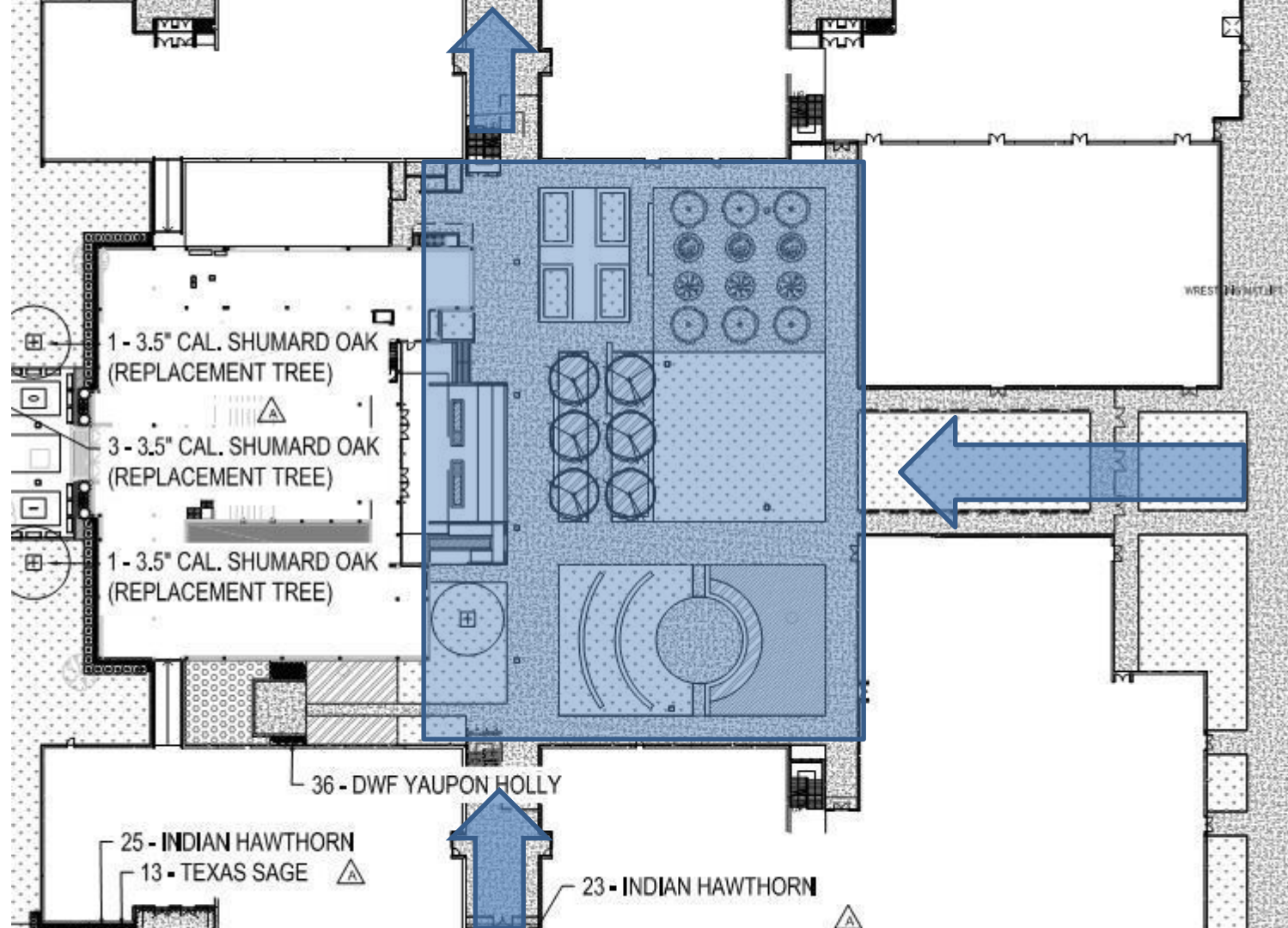
















fifth tool

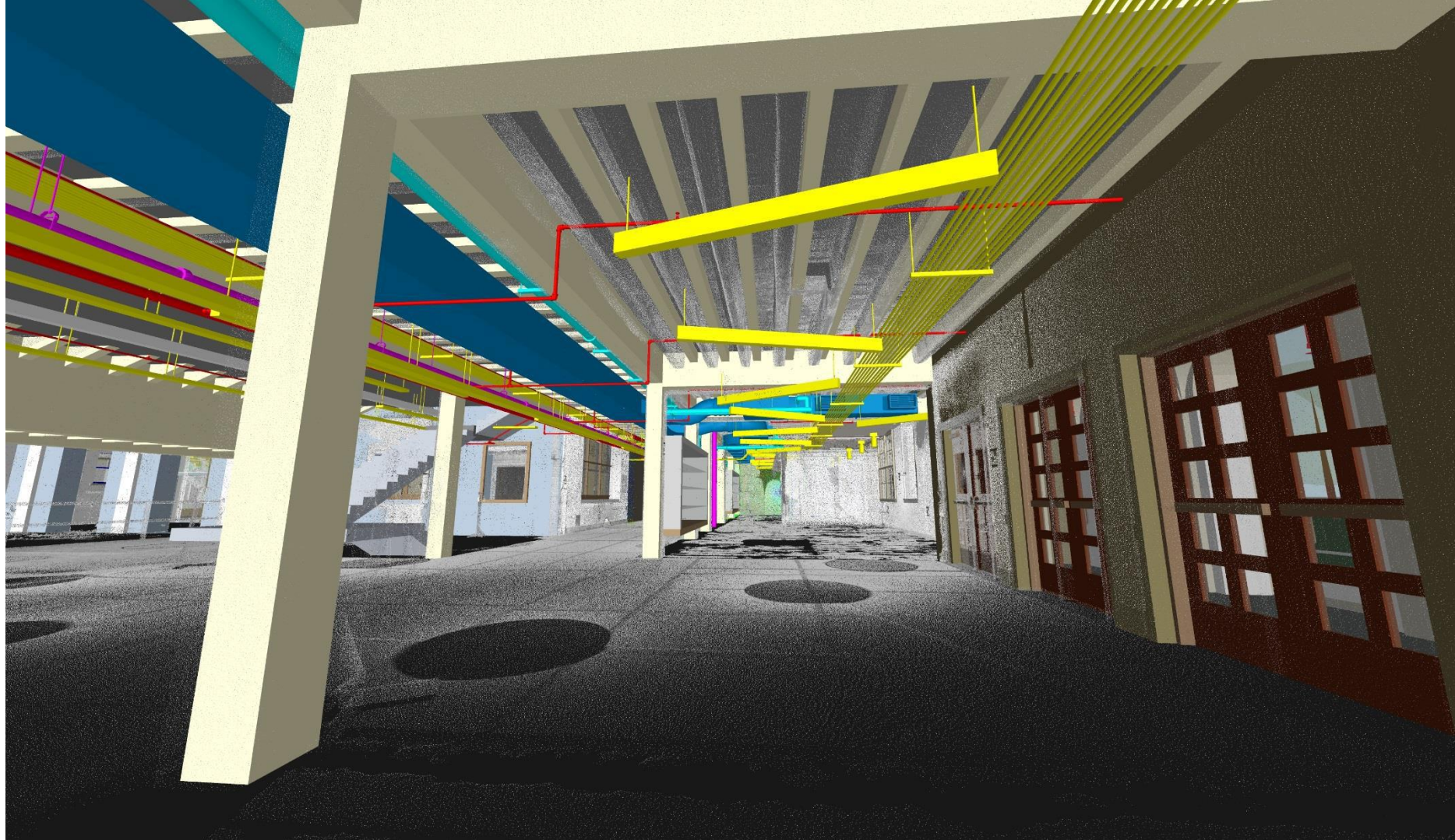
# Construction tools



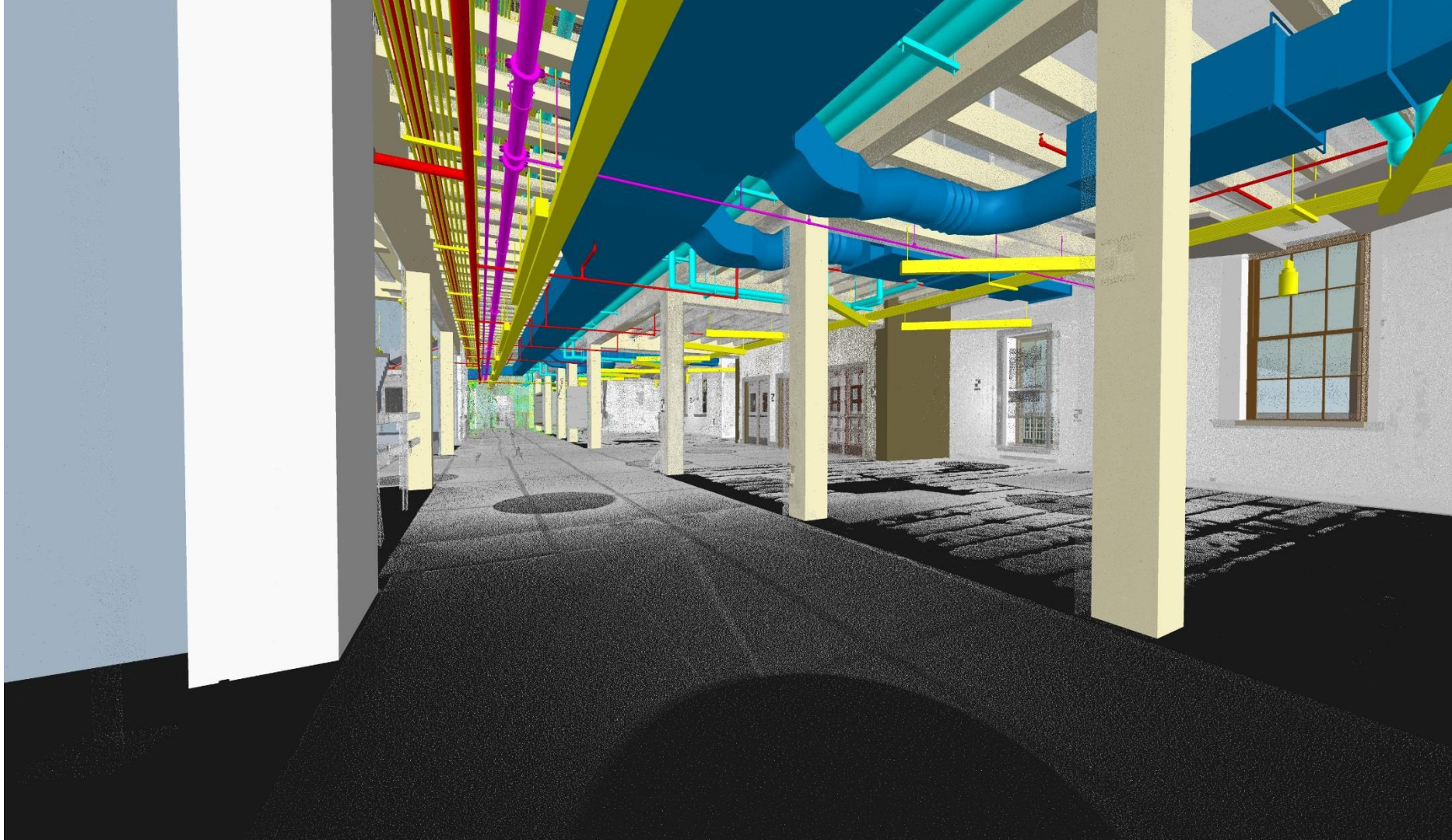
AUTODESK  
NAVISWORKS

**CLASH DETECTION | LASER SCAN**





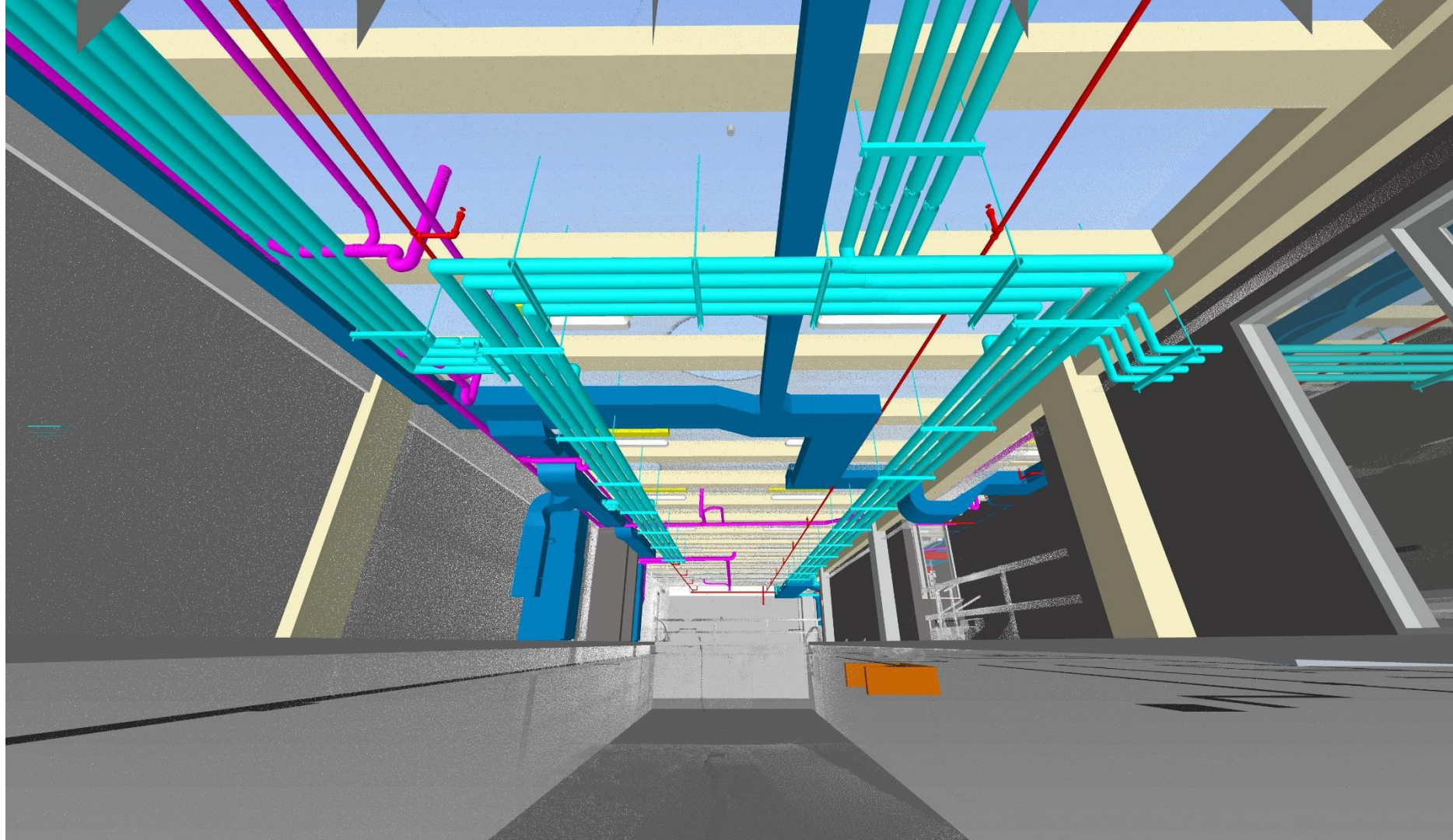
















sixth tool

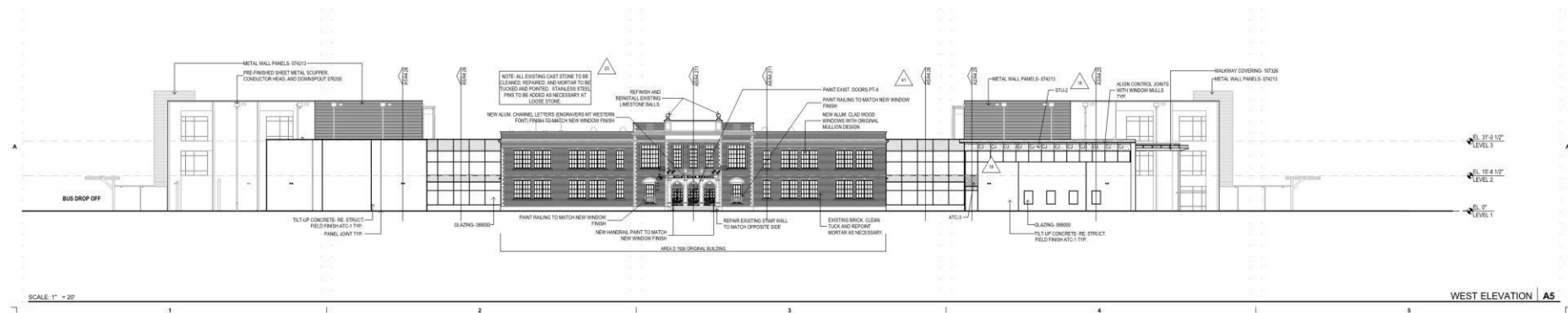
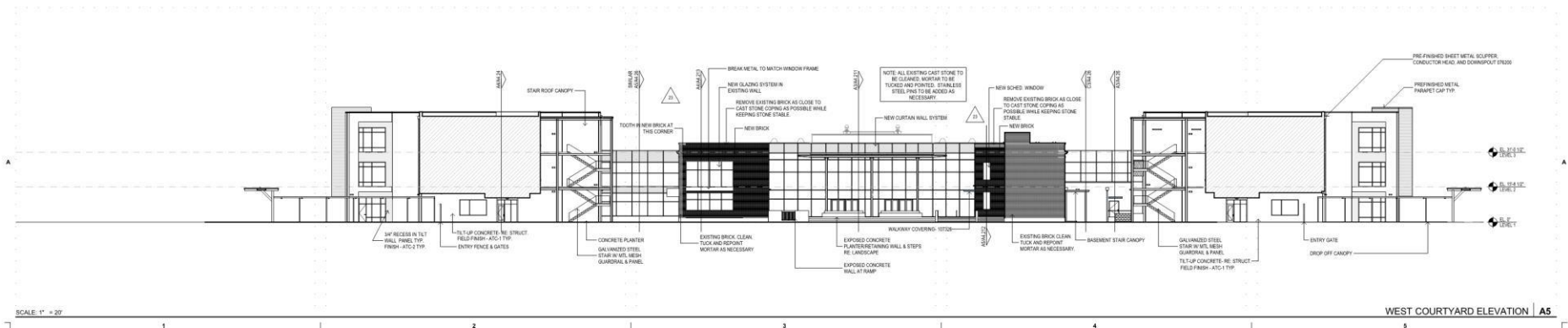
# Construction tools

# 6

**DRAWING AND COMMUNICATION**

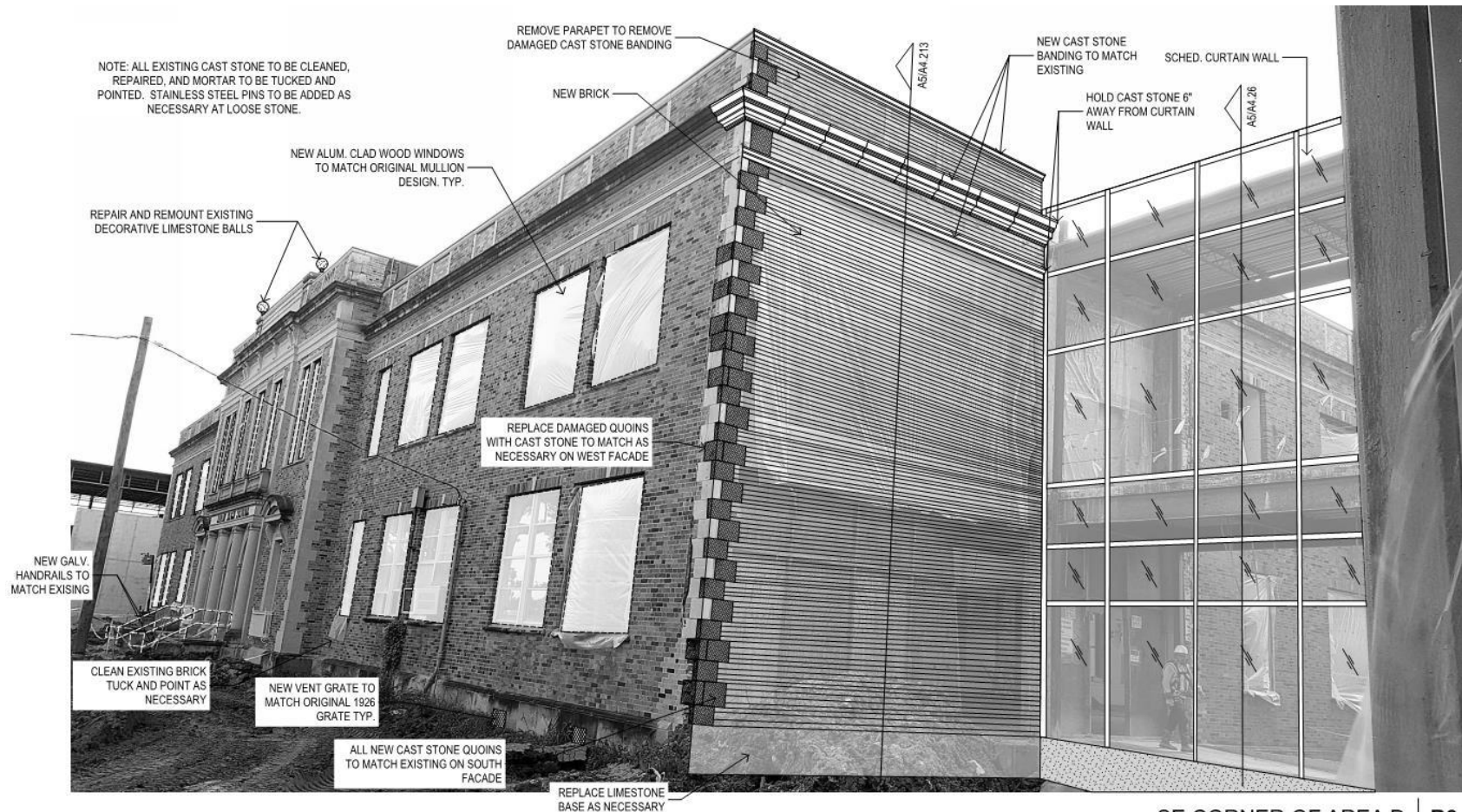


# TYPICAL CONSTRUCTION DOCUMENTS



# EXTERIOR ELEVATIONS

# DOCUMENTATION OVER IMAGES



SCALE: NTS

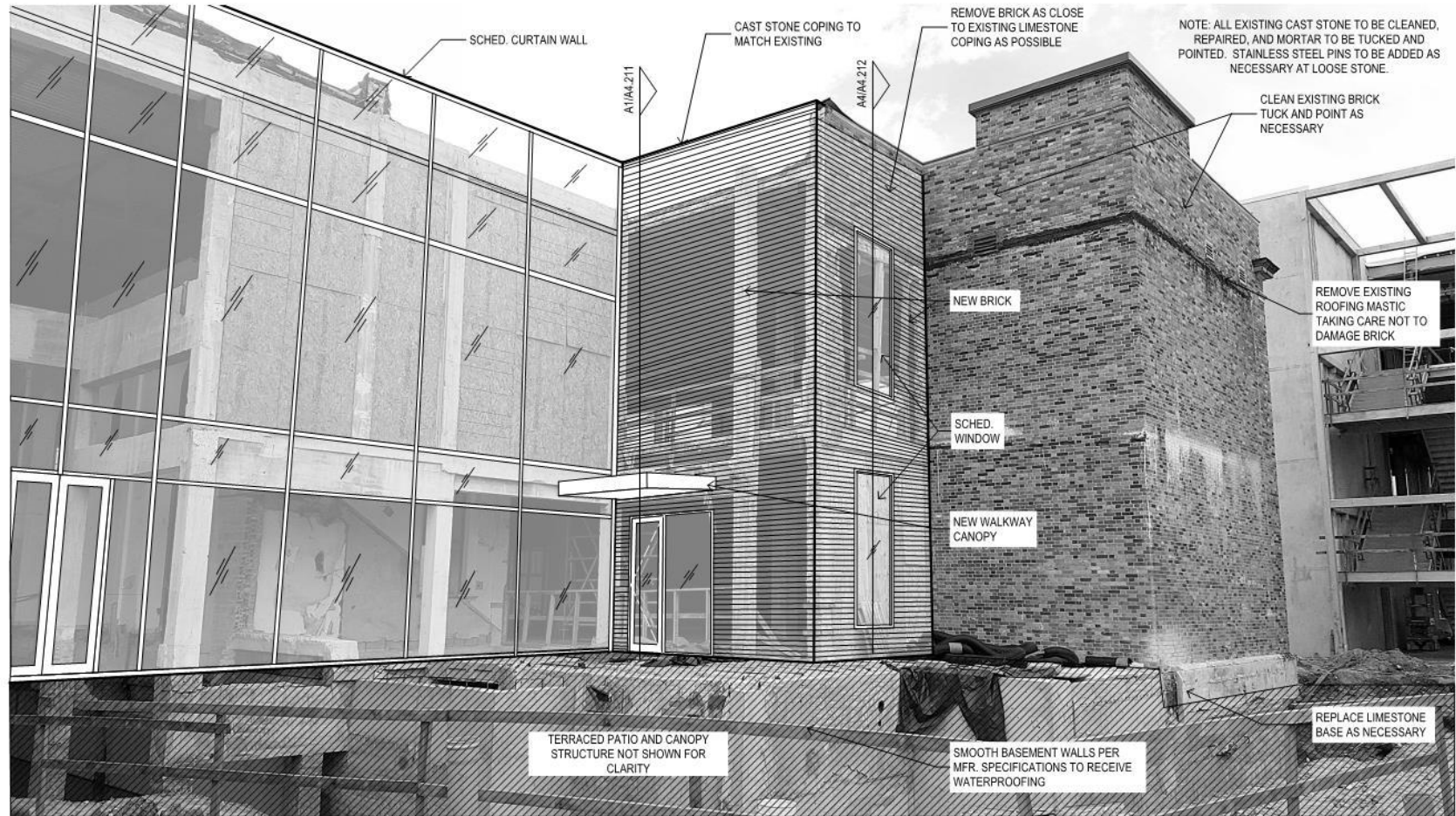
SE CORNER OF AREA D

B3





# DOCUMENTATION OVER IMAGES











INTERIOR KEYED NOTES

- ① PATCH AND REPAIR ALL PLASTER SURFACES - PROVIDE UNIFORM FINISH (PTD)
- ① PROVIDE NEW PLASTER WALL ASSEMBLY AT ALL AREAS THAT ARE TOO LARGE TO PATCH
- ① REPAIR AND RE-FINISH EXISTING TERRAZZO TO REMAIN
- ① PROVIDE NEW WOOD 1/4" CROWN (PTD)
- ① SAND AND REPAIR ANY EXISTING WOOD TRIM AND/OR SILL - REPLACE WITH NEW WOOD TRIM TO MATCH EXISTING
- ① REMOVE EXTRA CUT METAL LATH. PROVIDE A STRAIGHT CUT LINE FOR NEW PLASTER EDGE
- ① SAND EXISTING WOOD BASE/TRIM UNTIL FINISH HAS A DISTRESSED APPEARANCE. SEAL EXISTING WOOD AFTER SANDING W/ A POLYURETHANE SEALER. PROVIDE WOOD BASE/TRIM TO MATCH EXISTING WOOD BASE/TRIM WHERE MISSING
- ① REMOVE EXISTING WOOD CROWN AT TOP OF PLASTER WALLS TO PREPARE FOR NEW CROWN. RE-ASSEMBLE
- ① PROVIDE "L" TYPE TERMINATION JOINT STRIP AT TERRAZZO TRANSITION
- ① PROVIDE SCHED. FINISH
- ① PATCH AND REPAIR ALL DAMAGED CONCRETE BEAMS/COLUMNS
- ① CUT EXISTING BRICK TO ALLOW FOR NEW STACKED BRICK WALL PER DETAIL CS34.12
- ① CUT TERRAZZO BASE. REPLACE WITH WOOD BASE ONLY WHERE NOTED
- ① REMOVE RUST / SAND / PRIME AND PAINT STEEL FRAMES AND BRICK UNTELS
- ① CLEAN AND DEBURR BRICK / STRUCT CLAY TILE AND CONCRETE COLUMNS / BEAMS
- ① PROVIDE NEW WOOD SILLS @ MISSING WINDOWS TO MATCH EXISTING
- ① INFILL W/ SPECIFIED BRICK AS NEEDED
- ① REMOVE PORTION OF PLASTER WALL AND UNCOVER THE EXISTING WINDOW TO MATCH THE EXISTING WINDOW CONDITIONS
- ① PROVIDE SPECIFIED UNDERLAYMENT AT THE SLAB AREA AS NEEDED
- ① TOOTH IN NEW BRICK AS NEEDED PER DETAIL CS34.12
- ① CLEAN WINDOW. REPLACE IF DAMAGED. ADD OPAQUE WINDOW FILM -
- ① PROVIDE TRIM AT WINDOW PER DETAIL CS34.22

GENERAL NOTES

ALL WOOD IN FLOOR STRUCTURE ARE TO BE FILLED TO MATCH EXISTING LEVEL AND PREPARED TO RECEIVE NEW SCHEDULED FLOOR FINISH.

ALL BROKEN GLASS IN EXTERIOR AND INTERIOR WINDOWS IS TO BE REPLACED.

ALL INTERIOR WALLS AND TRIM SHOULD BE PREPARED TO RECEIVE NEW PAINT. EXISTING FINISHES SHOULD BE REMOVED IN A MANNER AS NOT TO DAMAGE EXISTING WALLS AND TRIM.

ANY WOOD SILLS NOT SHOWN IN DOCUMENTS ARE TO BE SANDED AND PAINTED.

ANY DAMAGE TO PLASTER WALLS NOT SHOWN IN DOCUMENTS SHOULD BE REPAIRED TO MATCH EXISTING.

ALL FLOOR TRANSITIONS FROM NEW TO EXISTING TO RECEIVE A TRANSITION STRIP AND TO MATCH EXISTING FINISHED FLOOR.

ALL NEW STRUCTURAL STEEL AND UNTELS TO BE PRIMED AND PAINTED.

ALL EXISTING BRICK AND CLAY TILE SHOULD BE CLEANED AND DEBURRED.

ANY DAMAGE TO PLASTER MOLD AND CORNICE IS TO BE REPAIRED TO MATCH EXISTING IF DETAIL IS NOT PROVIDED ELSEWHERE IN DOCUMENTS.

ALL PHOTO SHEETS ARE NOT TO SCALE. THEY EXPLAIN THE INTENT OF THE WORK IN EACH AREA.

PROJECT TEAM  
MATRIX  
STRUCTURAL ENGINEER  
JONES / DBR  
MEP ENGINEER  
OTHER  
CONSULTANT  
PDP  
MECHANICAL  
LAUREN GRIFFITH  
ASSOCIATES  
LANDSCAPE ARCHITECT  
MURTA & ASSOCIATES  
ARCHITECTS  
ARCH. ARCHITECT



NO.	DATE	ISSUE
1	10 NOV 2019	ISSUE FOR PERMIT
2	20 JAN 2020	CON COMMENTS
3	16 MAR 2020	CON COMMENTS
4	17 APR 2020	CON COMMENTS
5	16 APR 2020	SHADE FOR CONSTRUCTION
6	16 MAY 2020	CON COMMENTS
7	20 MAY 2020	ADD 006
8	22 JUN 2020	ADD 006
9	17 JUN 2020	ADD 006
10	25 JUN 2020	ADD 010
11	18 JUL 2020	CON 010
12	18 JUL 2020	CON 010
13	18 JUL 2020	CON 010
14	18 JUL 2020	CON 010
15	18 JUL 2020	CON 010
16	18 JUL 2020	CON 010
17	18 JUL 2020	CON 010
18	18 JUL 2020	CON 010
19	18 JUL 2020	CON 010
20	18 JUL 2020	CON 010

PROJECT NAME  
HISD MILBY HIGH SCHOOL

PROJECT ADDRESS  
1601 BROADWAY  
HOUSTON, TX 77012

WORKSHEET PROJECT NO. 2013126  
A21 PLANS



SHEET TITLE  
FIRST FLOOR PLAN PHOTO KEY

A2.90



SCALE PHOTO 49 | D1



SCALE PHOTO 38 | D2



SCALE PHOTO 36 | D3



SCALE PHOTO 37 | D4



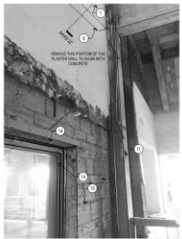
SCALE PHOTO 36 | D5



SCALE PHOTO 35 | C1



SCALE PHOTO 34 | C2



SCALE PHOTO 33 | C3



SCALE PHOTO 32 | C4



SCALE PHOTO 31 | C5



SCALE PHOTO 30 | B1



SCALE PHOTO 29 | B2



SCALE PHOTO 28 | B3



SCALE PHOTO 27 | B4



SCALE PHOTO 26 | B5



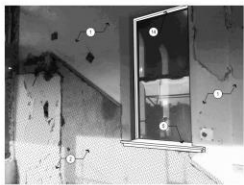
SCALE PHOTO 25 | A1



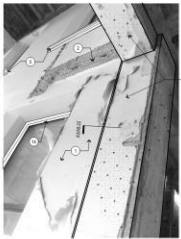
SCALE PHOTO 24 | A2



SCALE PHOTO 23 | A3



SCALE PHOTO 22 | A4



SCALE PHOTO 21 | A5

**Kirksey**  
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PROJECT TITLE  
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FDP  
FLOOR FINISHES  
LAUREN GRIFFITH  
ASSOCIATES  
LANDSCAPE ARCHITECT  
HUERTA & ASSOCIATES  
ARCHITECTS  
ARCHITECTS



NO.	DATE	REVISION
1	10 NOV 2014	ISSUE FOR PERMIT
2	20 JAN 2015	CON COMMENTS
3	20 MAR 2015	CON COMMENTS
4	21 APR 2015	CON COMMENTS
5	30 APR 2015	ISSUE FOR CONSTRUCTION
6	10 MAY 2015	CON COMMENTS
7	20 MAY 2015	ADD 008
8	02 JUN 2015	ADD 008
9	17 JUN 2015	ADD 008
10	20 JUN 2015	ADD 008
11	04 JUL 2015	CPH 015
12	11 SEP 2015	CPH 015
13	10 OCT 2015	CPH 015
14	03 NOV 2015	ADD 014
15	10 NOV 2015	CPH 014
16	02 DEC 2015	ADD 016

PROJECT NAME  
HSD MILEY HIGH SCHOOL

PROJECT ADDRESS  
1501 BROADWAY  
HOUSTON, TX 77012

KIRKSEY PROJECT NO.  
2013126

KEY PLAN

SHEET TITLE  
Interior Photos

SHEET NUMBER  
A8.31



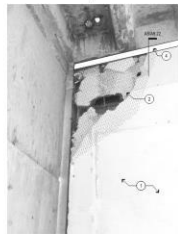


PHOTO 80 | D1

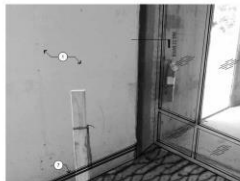


PHOTO 79 | B2



PHOTO 78 | D3



PHOTO 77 | D4



PHOTO 76 | D5



PHOTO 75 | C1



PHOTO 74 | C2

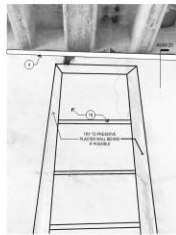


PHOTO 73 | C3



PHOTO 72 | C4



PHOTO 71 | C5

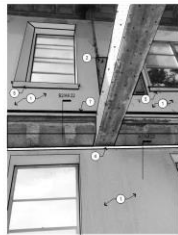


PHOTO 70 | B1



PHOTO 69 | B2



PHOTO 68 | B3



PHOTO 67 | B4



PHOTO 66 | B5



PHOTO 65 | A1



PHOTO 64 | A2



PHOTO 63 | A3



PHOTO 62 | A4



PHOTO 61 | A5

**Kirksey**  
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LAUREN GRIFFITH  
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ARCHITECTS  
ARCHITECT



12 NOVEMBER 2015

NO.	DATE	ISSUE
1	14 NOV 2015	ISSUE FOR PERMIT
2	22 JAN 2016	CON COMMENTS
3	19 MAR 2016	CON COMMENTS
4	27 APR 2016	CON COMMENTS
5	31 APR 2016	ISSUE FOR CONSTRUCTION
6	10 MAY 2016	CON COMMENTS
7	20 MAY 2016	ASD 006
8	22 JUN 2016	ASD 008
9	11 JUN 2016	ASD 009
10	23 JUN 2016	ASD 010
11	24 AUG 2016	CPN 010
12	11 SEP 2016	CPN 018
13	10 OCT 2016	CPN 012
14	10 NOV 2016	ASD 014
15	10 NOV 2016	CPN 001
16	02 DEC 2016	ASD 016

PROJECT NAME  
HISD MILEY HIGH SCHOOL

PROJECT ADDRESS  
1601 BROADWAY  
HOUSTON, TX 77012

PROJECT NO.  
2013120

REV. PLAN

SHEET TITLE  
Interior Photos

SHEET NUMBER  
A8.33

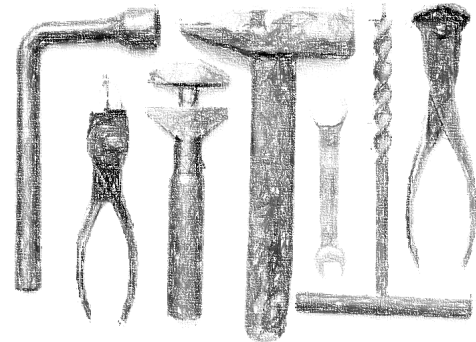
2015 REVISED





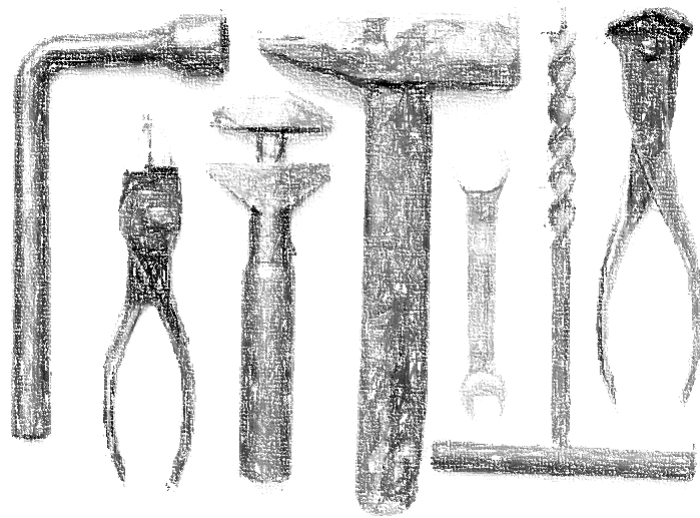
# HARNESSING HISTORY

RESTORATION  
THROUGH  
MODERN  
TECHNOLOGIES  
AND TRADITIONAL  
TECHNIQUES





# THANK YOU

The logo for Kirksey Architecture features the name "Kirksey" in a large, bold, red sans-serif font. Below it, the word "ARCHITECTURE" is written in a smaller, all-caps, grey sans-serif font.