# HIGGINBOTHAM SCHOOL



MCINTOSH PORIS ARCHITECTS URGEIMPRINT

# DETROIT HDC SUBMISSION | 08.21.23



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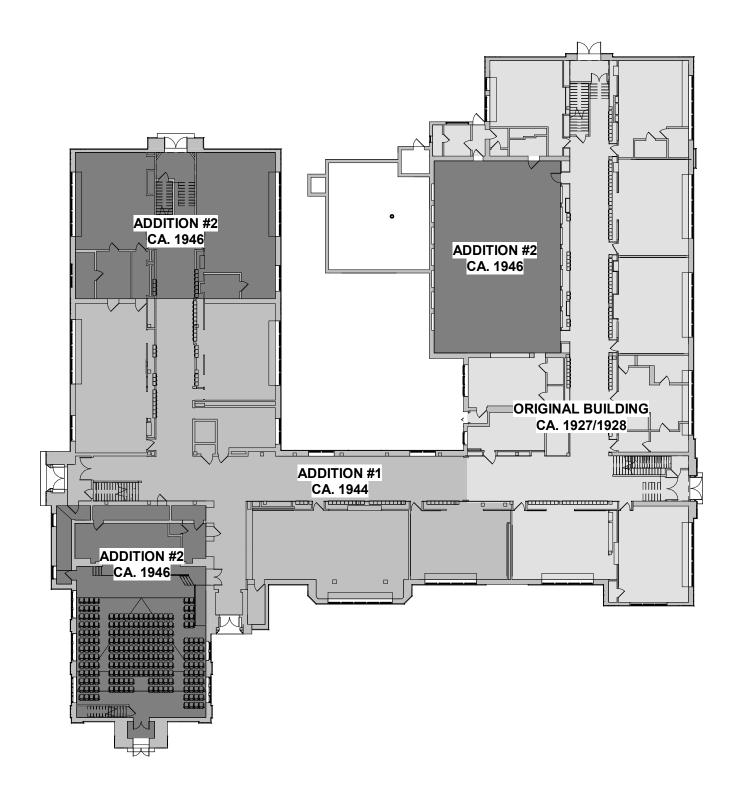


## **HISTORY + DESIGN NARRATIVE**

The Higginbotham School is located in the 8-Mile/Wyoming neighborhood, which was a historically working-class African American community that was settled in the early 1920s when the area was largely undeveloped. Restrictive covenants did not exist in this remote location, enabling homeownership when it was simply not an option for most Black families in Detroit. Higginbotham School served as Detroit's all Black elementary school for over eighty years, which as a result of both de facto segregation (happening in reality) practiced in Detroit and of the de jure segregation (happening according to law) that resulted from federal housing policies.

The project aims to deliver historically significant, high-quality rental units at an affordable price. Targets for the project include 100 low-income apartments and a 2,000 square foot auditorium designed to accommodate a variety of community functions, plus approximately 100 spaces of off-street parking. The historic school will be historically rehabilitated, and two new "garden apartment" buildings will also be constructed on the site. The landscape design includes a private courtyard, public play areas, native plantings, and curated art and sculpture made by local artists. The development team is seeking Historic Tax Credits, as well as MSHDA Low-Income Housing Tax Credits.

Existing elements such as the clay tile roof and existing masonry will be repaired or replaced in-kind per the Secretary of the Interior Standards for Rehabilitation. The existing wood-framed (and steel) windows and doors are beyond repair and new, historicallyreplicated aluminum products are proposed as replacement (reference the attached Window Assessment for more information). The new garden apartments are sited along Indiana (continuing the street edge of the school) and along the east edge of the property, effectively creating in internal street, or "mews." The east-facing garden apartments are intentionally set back from the front face of the school so that the historic entrance remains visible from Chippewa. The front yard of the site is designed to be public oriented with a play area, sculpture garden, and a curb-less "parking plaza" that will serve as a gathering space for events at the auditorium and provide required accessible parking spaces. The new parking lots will be set back and screened according to zoning requirements, but using all-season native plantings wherever possible. To ensure security and safety for residents, a fence and gate strategy encloses the more private areas, with the buildings themselves acting as a large portion of the fence. The existing material palette, overall scale, and window proportions of the existing school were all key features that informed the design of the new garden apartments. The exterior materials are intentionally darker in color (with the burgundy color pop being lifted from the accent brick from the school) to compliment the school without visually dominating it.

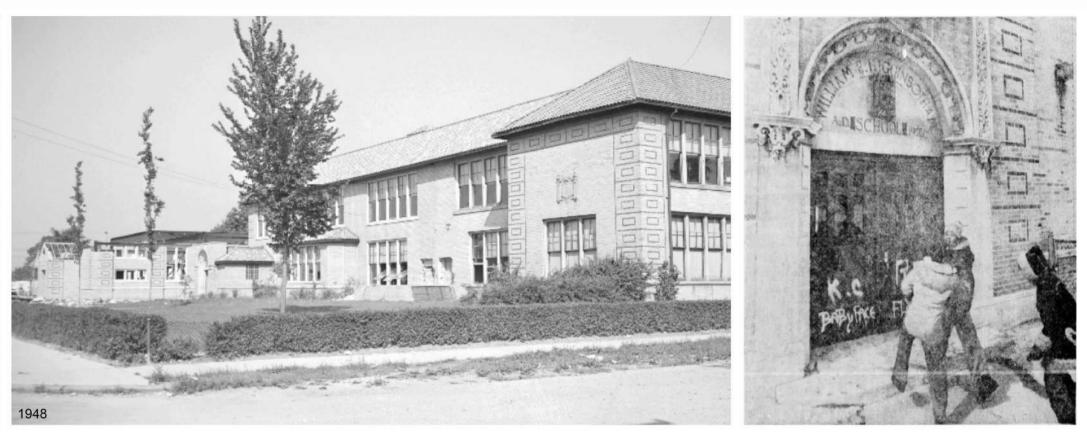


#### MCINTOSH PORIS ARCHITECTS



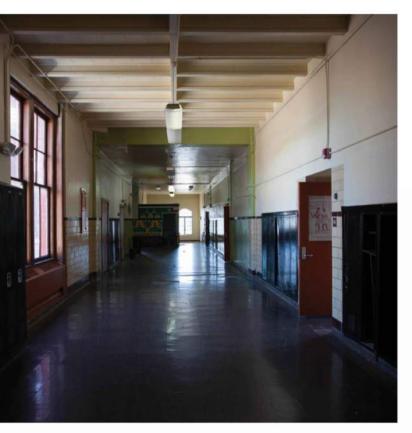


Construction work has been started on the new William E. Higginbotham school near Eight-Mile road and Wisconsin avenue. This is the first unit of a standard elementary school and will include 14 class rooms, a conservatory, gymnasium and a power plant large enough to care for double the present needs. Features of the building are the deep pilings of the foundation, and the Spanish tile roof which is to rest on a concrete slab which in turn is supported by a system of concrete beams. The architects are the N. Chester Sorenson company. The builders are the Stibbard Construction company. The cost is said to be \$156,652.

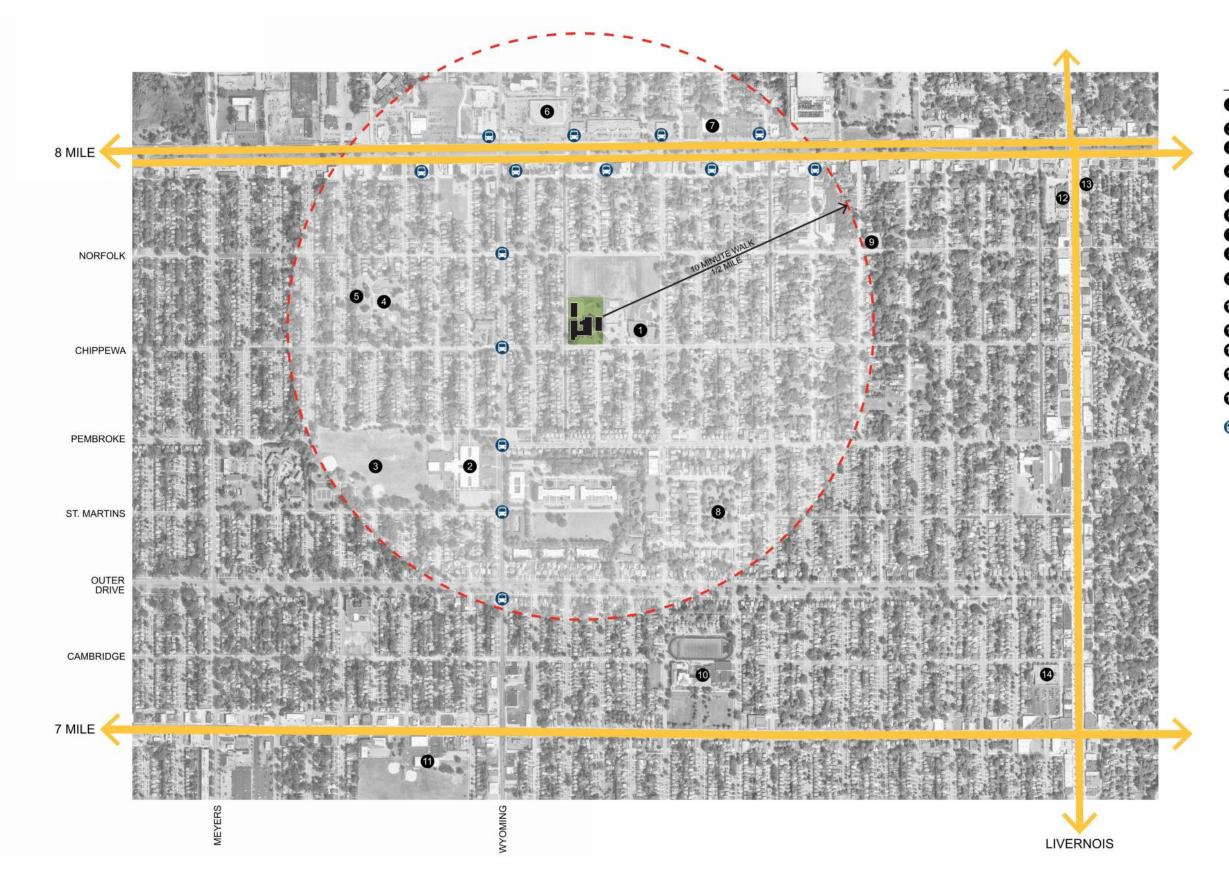




**EXISTING CONDITIONS** 







**SITE CONTEXT** 















STUDIO

2 BEDROOM

UNIT COUNT	GROSS SF	RENTABLE SF
40	54,295* SF	27,580 SF
60	45,410 SF	38,540 SF
100	99,705 SF	66,120 SF

ONE BED	TWO BED/LOFT
24	6
24	12
48	18

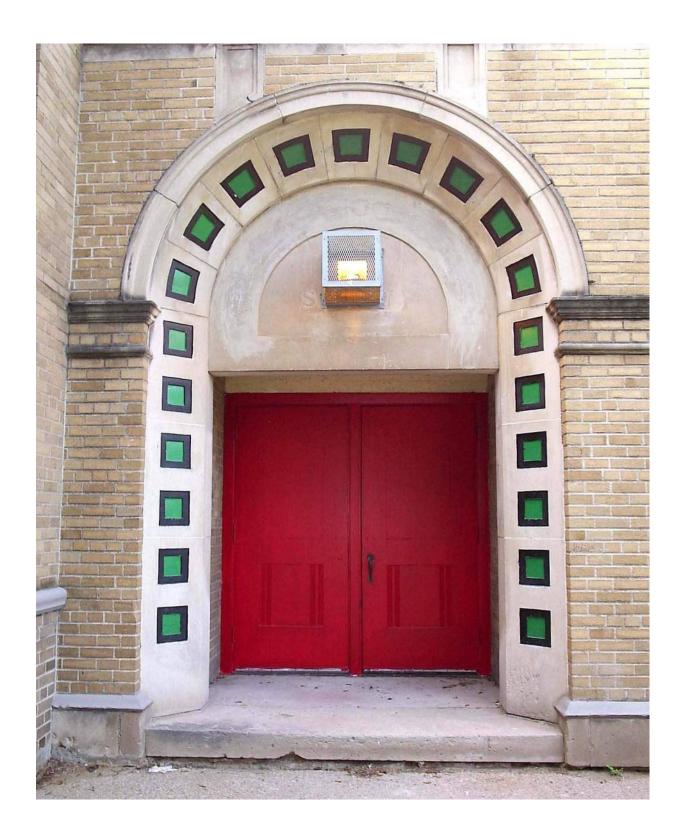
	DET. ZONING	MSHDA
	30 SPACES	80 SPACES
	45 SPACES	120 SPACES
	75 SPACES	200 SPACES
:	29 SPACES	0 SPACES

104 SPACES + (1) 12'X35' LOADING

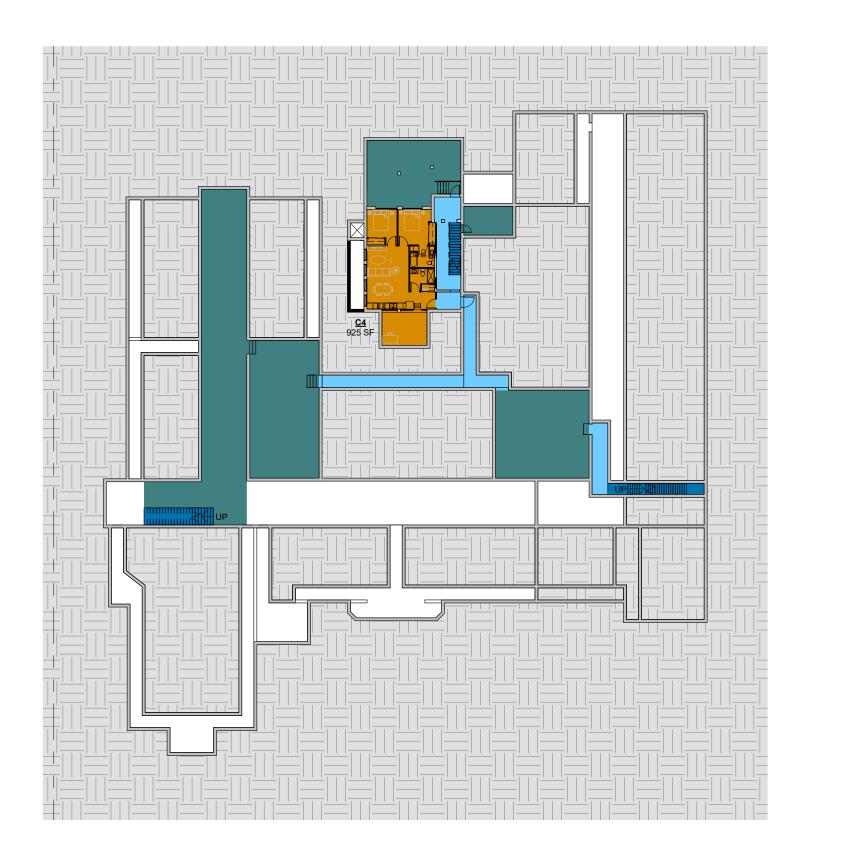


## TOTAL BUILDING DATA: SCHOOL

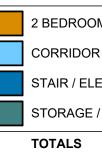
	COUNT	NET AREA
STUDIO	10	5,180 SF
1 BEDROOM	24	16,505 SF
2 BEDROOM / LOFT	6	5,895 SF
		3,465 SF
LEASING OFFICE		415 SF
FITNESS CENTER		760 SF
		11,665 SF
STAIR / ELEVATOR		1,410 SF
UTILITY / MEP		5,140 SF
TOTALS	40	
NET RENTABLE (RESIDENTI	AL)	27,580 SF
GROSS		54,295 SF
EFFICIENCY		51%













GROSS





	COUNT	NET AREA
M / LOFT	1	935 SF
२		775 SF
EVATOR		315 SF
/ MEP		4,760 SF
	1	

935 SF

7,640 SF





CHIPPEWA ST





	COUNT	NET AREA
	6	3,115 SF
Μ	10	7,045 SF
M / LOFT	4	4,025 SF
JM		2,910 SF
		415 SF
ENTER		760 SF
8		5,980 SF
EVATOR		445 SF
IEP		160 SF

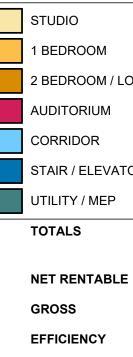
20

14,185 SF 26,615 SF 53%





### SECOND FLOOR DATA







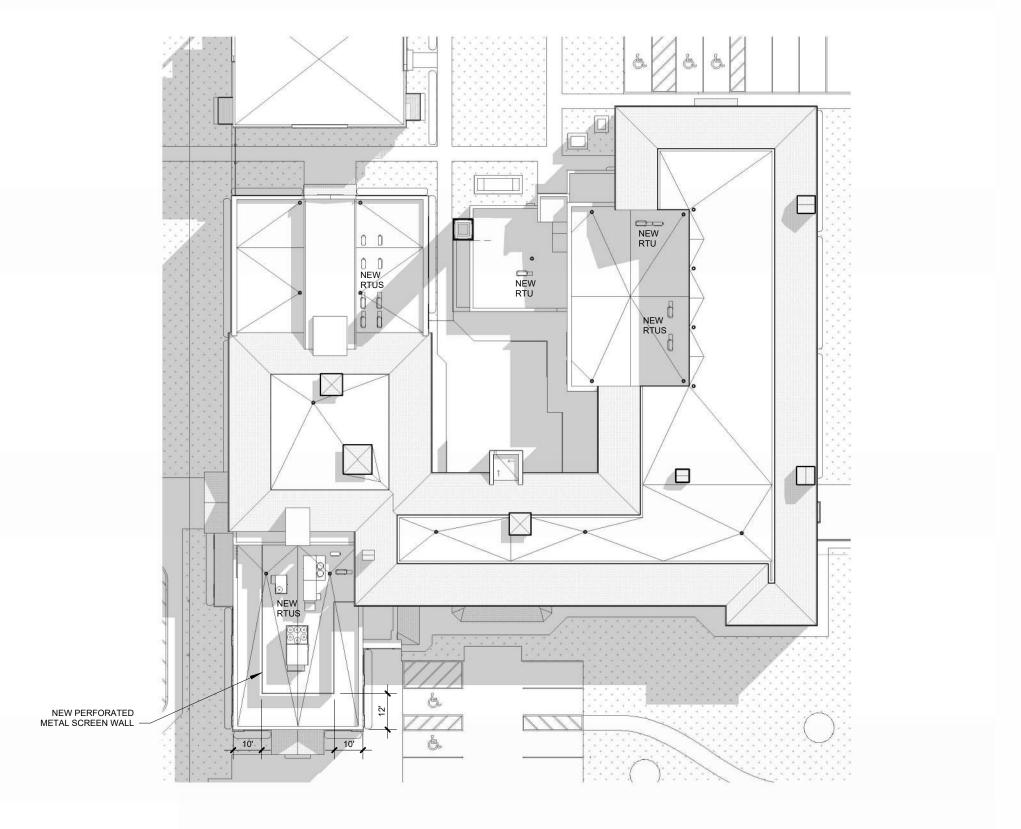
	COUNT	NET AREA
	4	2,065 SF
Μ	14	9,460 SF
M / LOFT	1	935 SF
M		553 SF
र		4,910 SF
EVATOR		650 SF
1EP		220 SF
	19	

E 12,460 SF 20,040 SF 62%

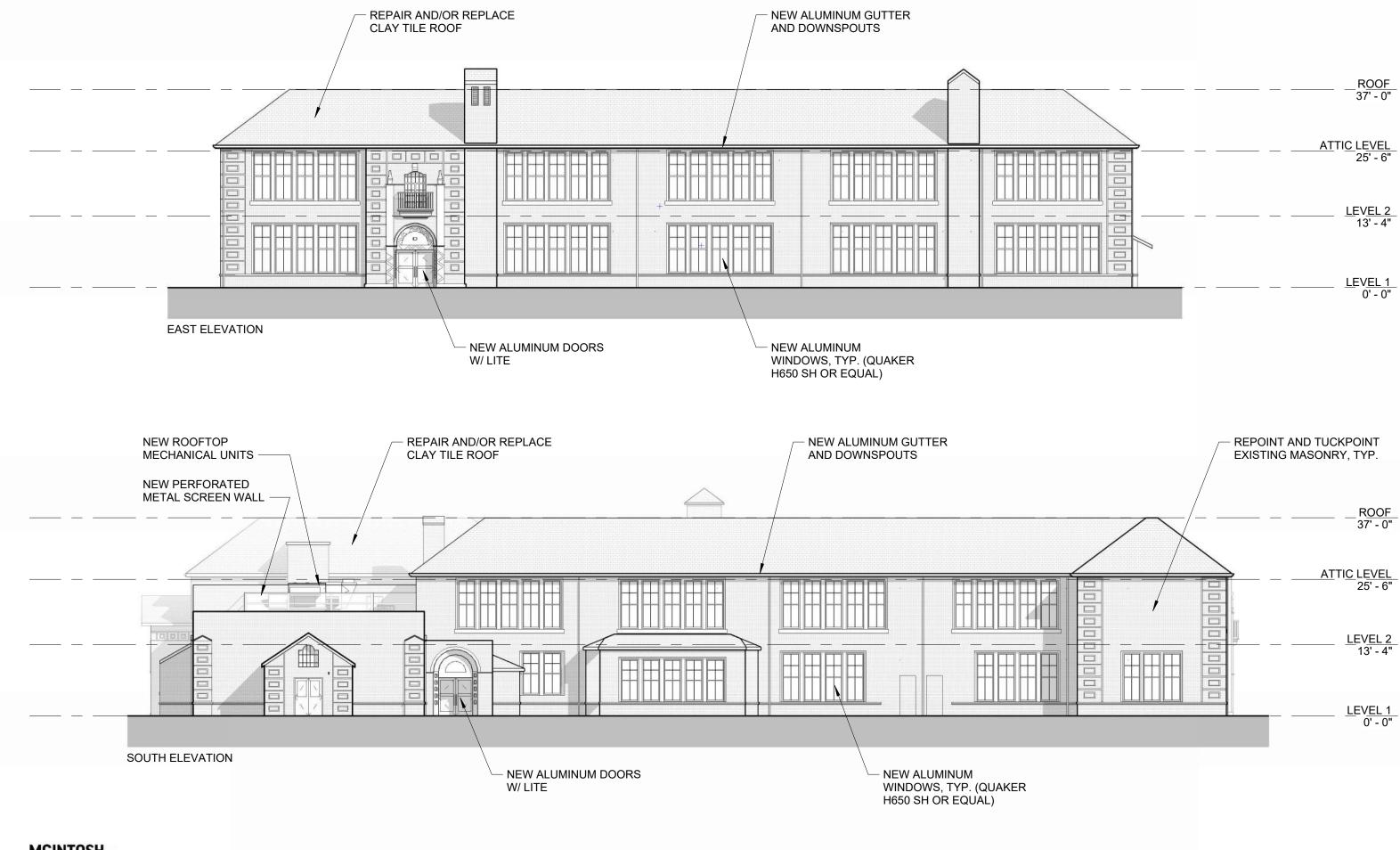








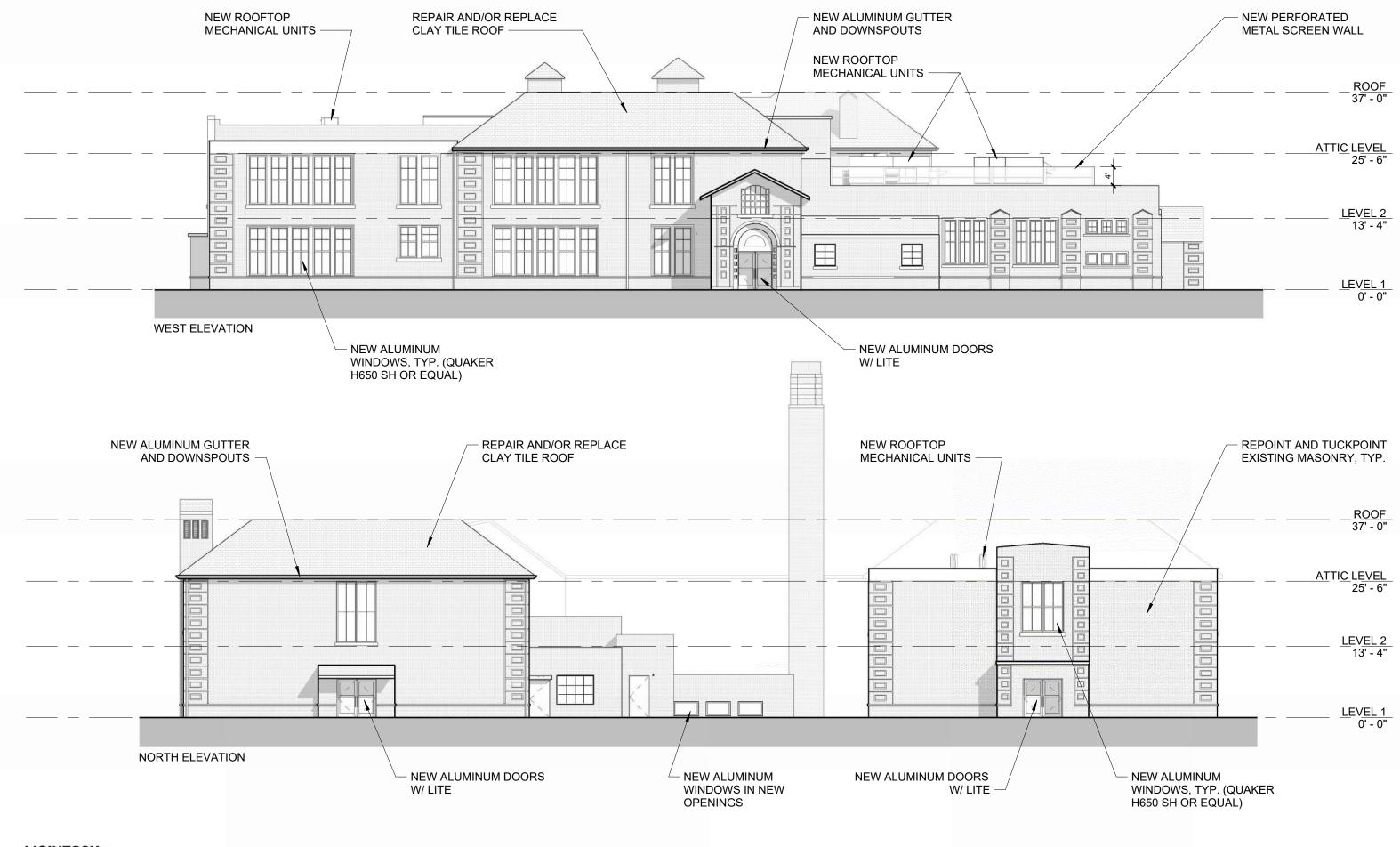




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EXTERIOR ELEVATIONS



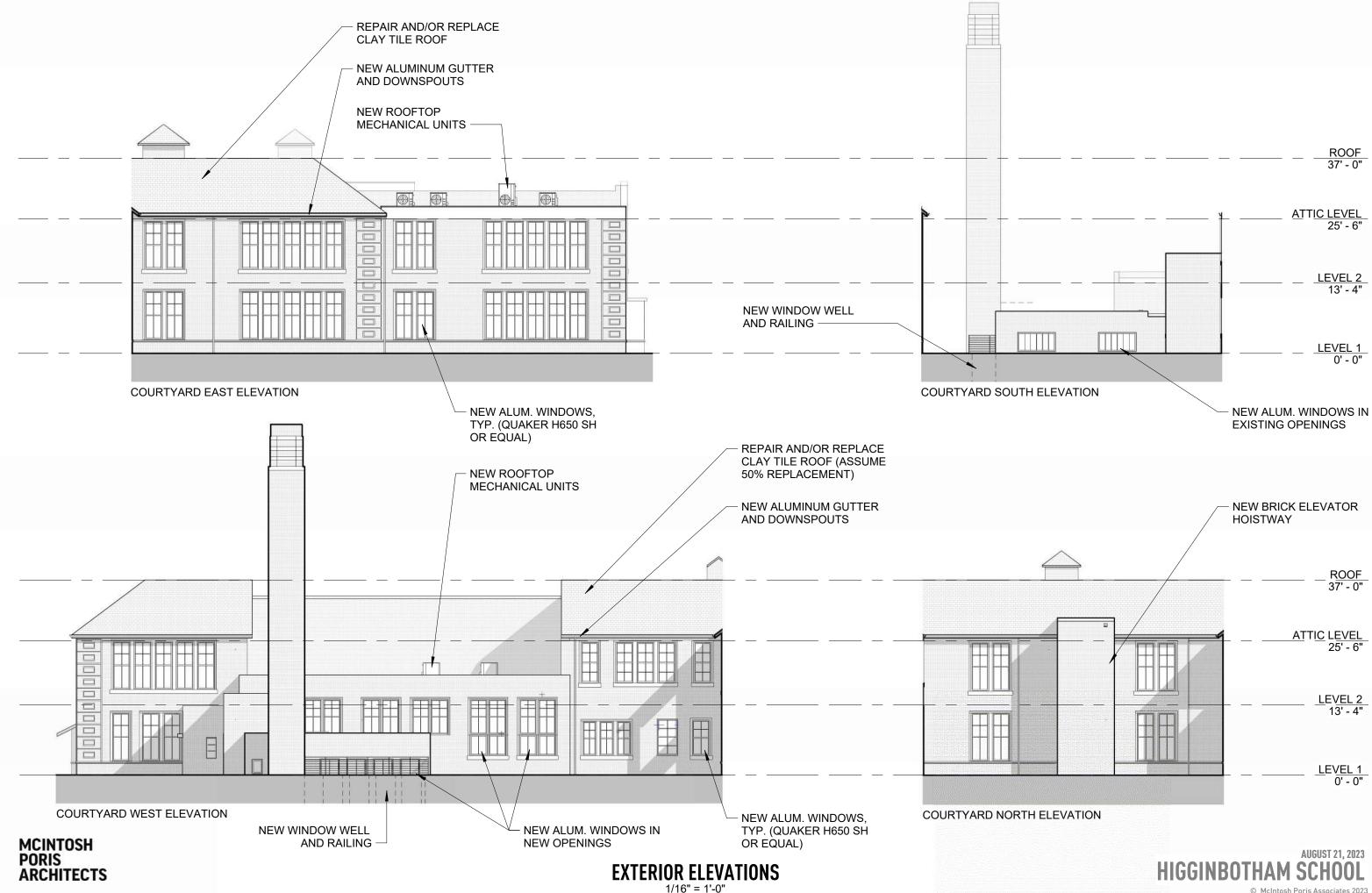


MCINTOSH PORIS ARCHITECTS

EXTERIOR ELEVATIONS

HIGGINBOTHAM SCHOOL © McIntosh Poris Associates 2023

AUGUST 21, 2023





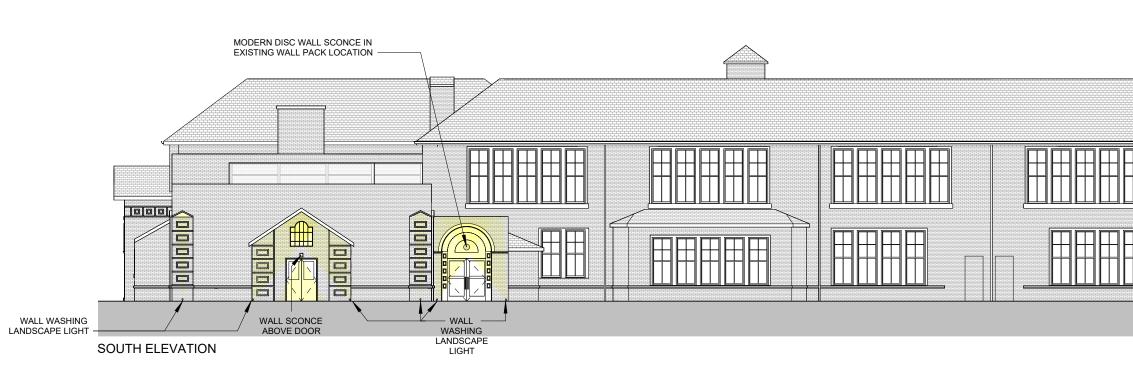
MCINTOSH PORIS ARCHITECTS

## EXTERIOR ELEVATIONS - LIGHTING









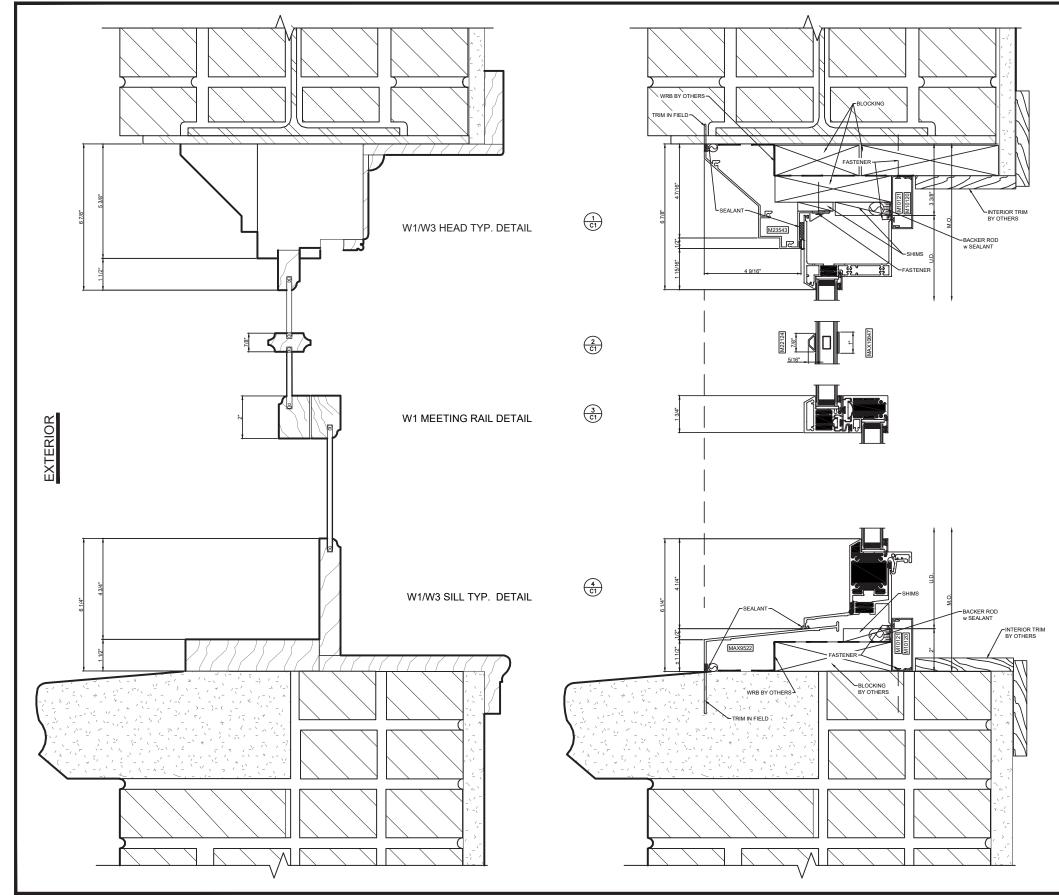


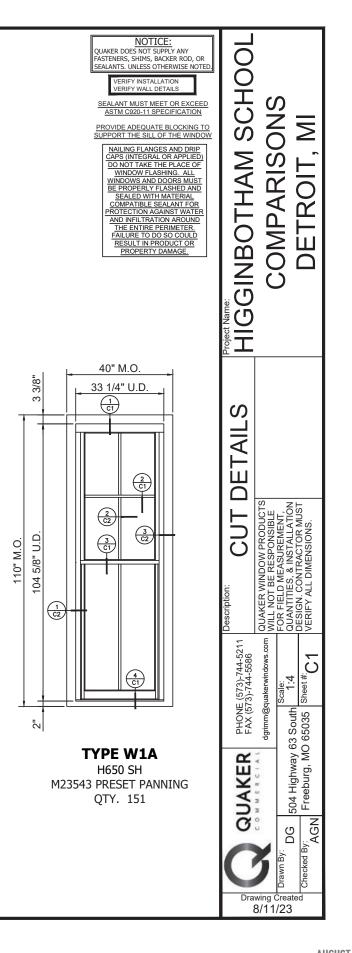




#### MCINTOSH Poris Architects

### **PROPOSED WINDOW REPLACEMENT DETAILS**

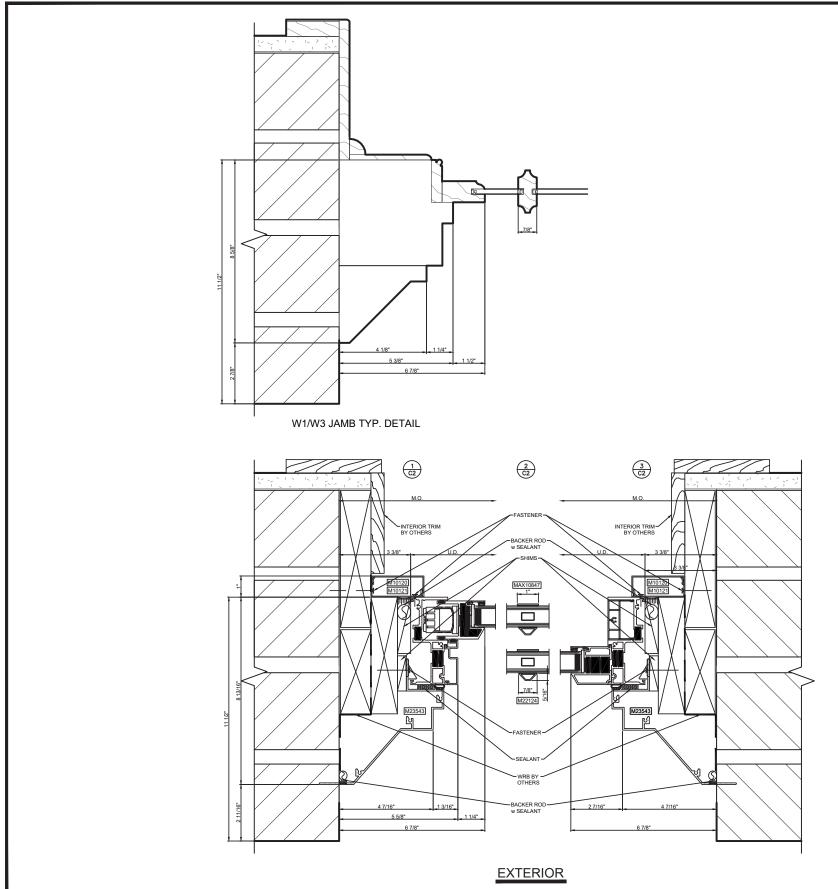


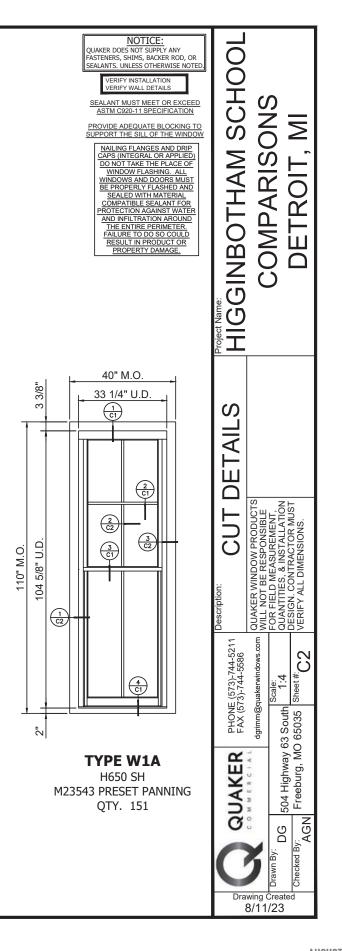


AUGUST 21, 2023

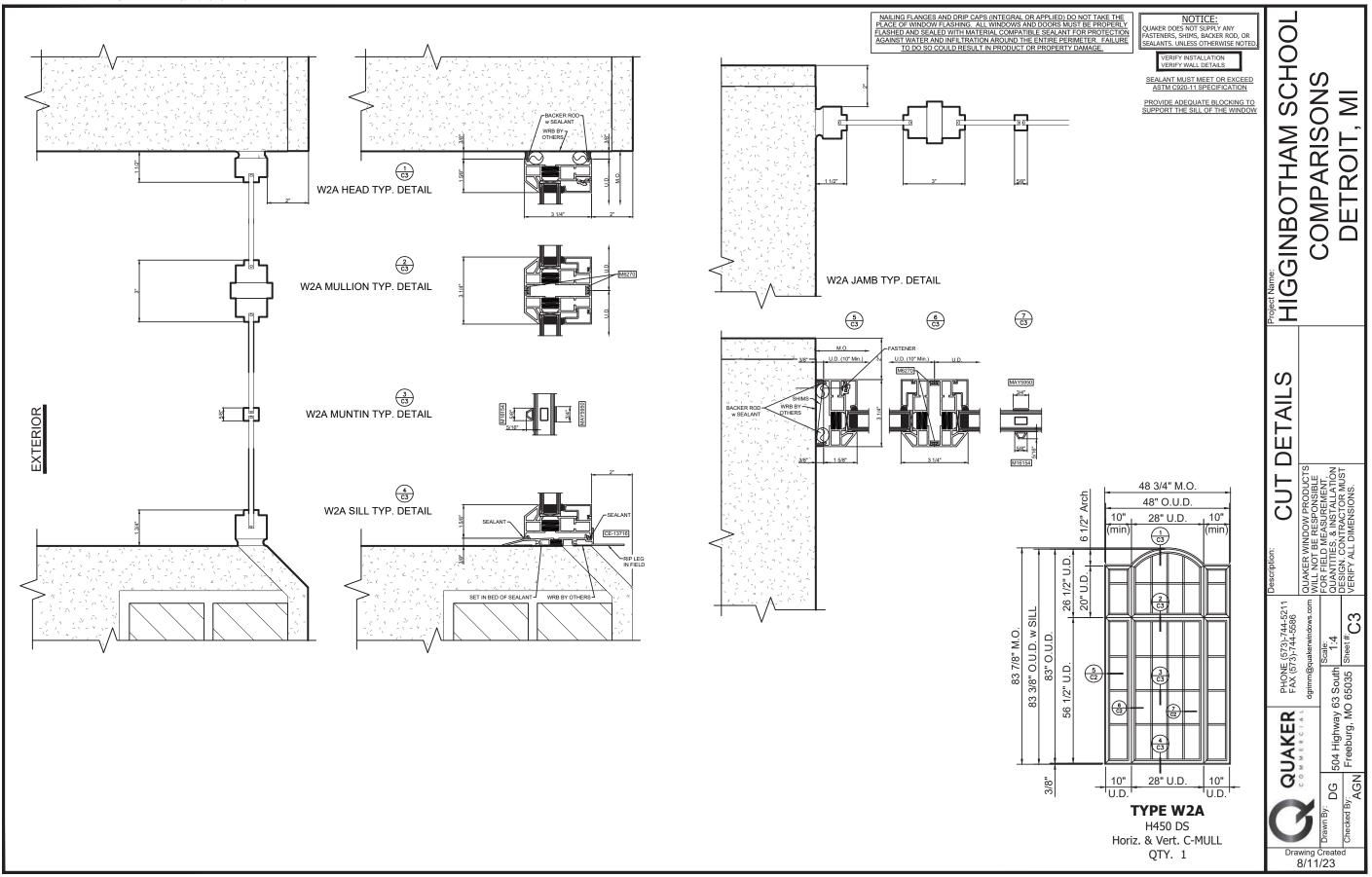
#### MCINTOSH Poris Architects

### **PROPOSED WINDOW REPLACEMENT DETAILS**





AUGUST 21, 2023





## AUGUST 21, 2023



**SL-18** 6-Panel Wood Grain

## FRP/ALUMINUM HYBRID DOOR

### **Classic 6-Panel Doors Designed to Meet the Aesthetic** Considerations of Georgian & Colonial Style Architecture

Special-Lite® SL-18 Colonial Wood Grain Doors combine traditional styling with the advantages of modern engineering and materials to deliver high performance and long life. They feature a remarkable fiberglass face sheet material that offers the attractive a of wood, with all the advantages of fiberglass.

#### Features & Benefits

#### Aluminum chassis with proven flexural strength

- Manufactured with stiles and rails of extruded 6063-T6 aluminum alloy
- Stiles and rails are joined with mitered corners and angle blocks secured by 3/8" diameter full-width galvanized steel tie rods
- All anodized finishes are Class I (.7mil)
- Standard and Optional internal reinforcements provide secure attachment for the exact hardware specified

#### Fiberglass wood grain face sheet

- Face sheets are rabbeted and secured on all four sides by fulllength integral reglets on the edges of the stiles and rails to form a truly flush door
- SL-18 face sheets are .120" thick, authentic oak species wood grain replication FRP, similar to our SL-19 door. Unlike wood doors, the fiberglass will never warp, split, peel or rot
- You can achieve the rich look of real stained wood with our selection of six natural wood stain colors, painted to match any of our available Kynar 500<sup>®</sup>, or any painted color\*
- Made-to-order sizes from a minimum of 30" x 80" to a maximum of 48" x 96"

#### Core has great thermal performance

• Poured-in-place closed cell polyurethane foam core that is a minimum of 5 LB./cubic foot density

#### Fiberglass wood grain face sheet

- Doors can be supplied with hardware installed, reinforced only, or prepped for field installation of hardware
- Unique configurations such as arched doors, odd sizes, unequal pairs and custom lites are no problem



\*See website product pages for color selections available. Colors are subject to change without notice.





#### Wood Grain FRP Accurately Captures the Natural Grain Characteristics

Beautiful look of natural oak wood manufactured into a long lasting, low maintenance fiberglass door. The fiberglass surface offers a degree of resistance to stains, scuffs and impacts that would easily damage wood. It's also resistant to the elements and corrosive environments - even coastal salt spray - and offers excellent cleanability.

#### At the Core of our Door's Strength is our Door's Core

The poured-in-place closed cell polyurethane foam core of our SL-18 is not just a passive filler - it's a functional component that contributes significantly to the durability of Special-Lite® Doors. After the door has been completely assembled, the core material is injected using our proprietary foam injection technology, ensuring a complete fill with a minimum five pounds per cubic foot density. This strong, lightweight, structural closed cell polyurethane foam bonds firmly to the rails, stiles, reinforcements and face sheets to transform the door into a solid, completely sealed unit with incredible impact resistance and flexural strength. Our closed cell polyurethane foam won't absorb or be damaged by water, and offers great thermal properties.

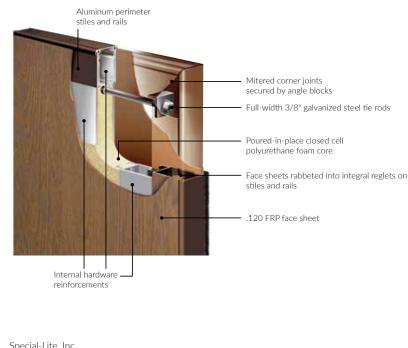
#### **Building Applications**

Whether for new construction or historic preservation projects, an investment in our colonial wood grain doors will pay dividends in attractiveness and durability for years to come. They are durable enough for even high traffic entrances in education, religious, retail and municipal facilities that call for the classic appearance of a wood door.

#### **Color Selections**

The FRP/Aluminum Hybrid Doors have two color decisions that must be made: aluminum chassis and face sheet. Aluminum chassis can be anodized or painted. Face sheets can be stained in a natural wood look, or they can be painted. See color chips, available from the online shopping cart, for final color decision.

#### SL-18 Door Construction



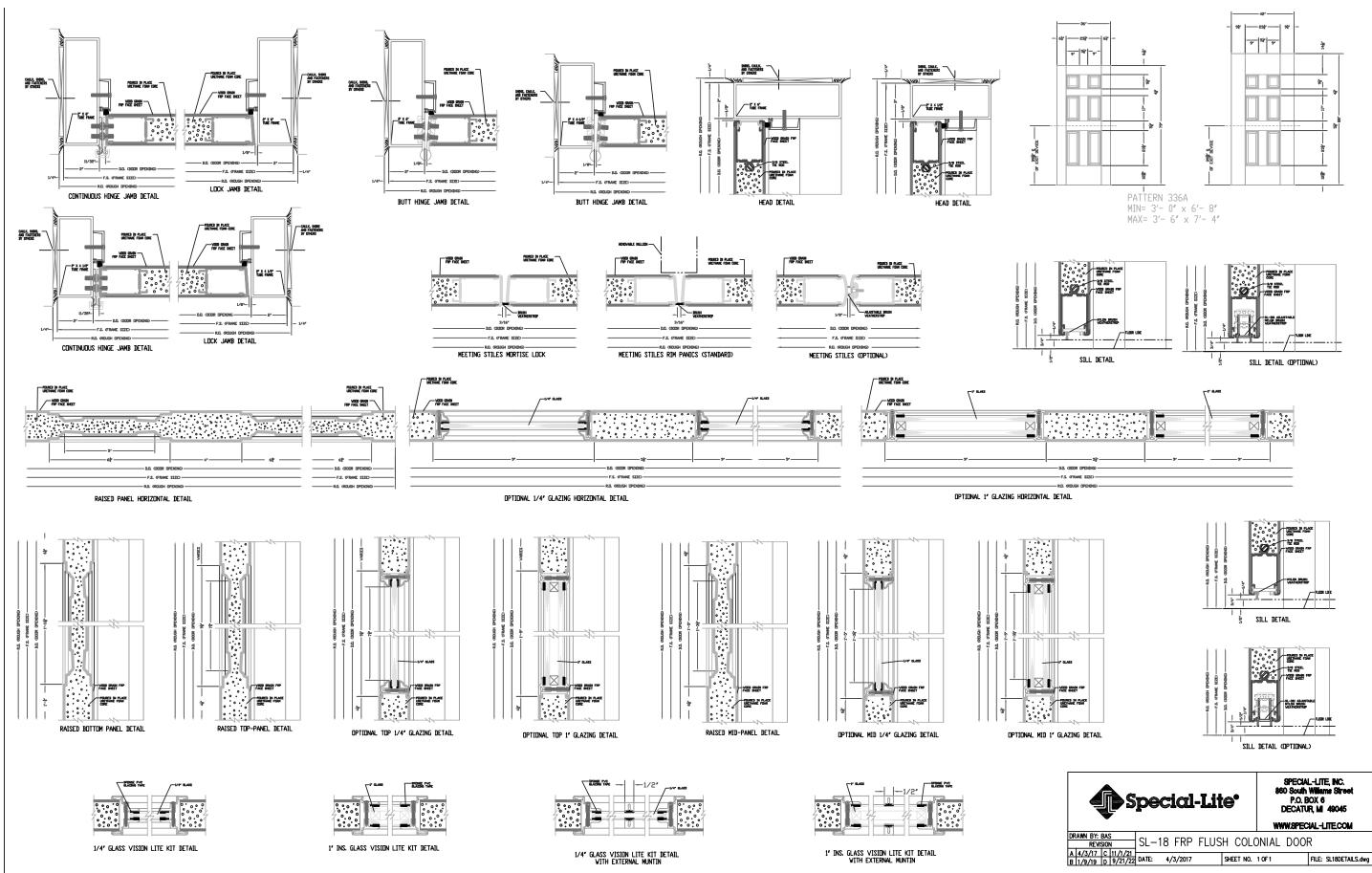
860 S. Williams St.	Decatur, MI 49045	I 49045		
special-lite.com	800.821.6531	ltem 1240-R1	08/20 PDF	

### PROPOSED DOOR REPLACEMENT DETAILS





AUGUST 21, 2023 HIGGINBOTHAM SC © McIntosh Poris Associates 202



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## **PROPOSED DOOR REPLACEMENT DETAILS**

## AUGUST 21, 2023

## PROGRESS LIGHTING

Fixture Type:
Location:
Contact:

**BULLETTO LINE** 

#### Z-2020 LED

Z-2020 LED Collection 1-Light Satin White Frosted Glass LED Modern Circle Wall Light

#### Specifications:

Description:

Frosted Glass Cylindrical

- Oimmable to 10% brightness (See Dimming Notes)
   Canopy covers a standard 4\* recessed outlet box: 4.75 in W., 0.75 in ht., 4.75 in depth
   Mounting strap for outlet box included
- 6 in of wire supplied
   Americans With Disabilities Act (ADA) compliant

#### Performance:

Number of Modules	1
Input Power	9 W
Input Voltage	120 V
Input Frequency	60 Hz
Lumens/LPW (Source)	670/71 (LM-82)
ССТ	3000 K
CRI	90 CRI
Life (hours)	60000 (L70/TM-21)
EMI/RFI	FCC Title 47, Part 15, Class B
Warranty	5-year Limited Warranty
Labels	cCSAus Wet Location Listed
	ENERGY STAR® qualified
	Meets California Title 24 JA8-2016



	1		0195°					P	-0160
vn in Ferrite Dark Grey finish.							Marine		66 c 🕒 us
r			· ELECTRICA	L CHARAC	TERISTICS				
	ntensity application	15.	Power Supply	Integral 4	/1 smart driv	er (Non-Dim	mable / 0-10	IV / Reverse	Phase /
CAL CHARACTERISTIC	s		Wattage	Wattage 9W (NSP) / 17W (SP/FL/MFL/WFL)					
1.95" W x 8.79"D			Voltage	ge Universal Voltage 120-277V AC 50/60Hz					
Aluminum body and jo	oints for maximum h	neat dissipation.		-					
Textured finish.									
Ferrite Dark Grey	Heritage Brov	vn 🛑 Bronze		ED Emitter					
<ul> <li>Black</li> </ul>	White	Sandstone Grey	TM30	••••	minal)	CRI	Rf	Rq	SDCM
Pre-cabled with 10' Be	Iden direct burial 18	•		2700K		90	88	95	2
	•	<u>.</u>		3000K		90	91	98	2
				3500K		90	89	96	2
				4000K		90	88	94	2
360° rotatable on the I mounting stem suitable	horizontal axis. Bras le for direct j-box m	ss counter nut with ½" NPS	Optical system is	s dependen	t on beam a	nale. NSP v	ersion PMM	A lens and t	fixed
2lbs			holographic filter	: SP/FL/N	/WFL/WFL	versions eq	uipped with	PMMA lens	and
IP66	-					s, factory pre	eset per spe	cified optic	with
IK08	-			par	5				
					NSP	SP	FL 25°	MWFL 31°	WFL 42°
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cation Listed E479873. ordance with LM-79-08. California installations.			Delivered	3000K	407Lm 430Lm	1008Lm 1085Lm	979Lm 1054Lm	1001Lm	823Lm
cation Listed E479873. ordance with LM-79-08.			Delivered	3000К 3500К	407Lm 430Lm 445Lm	1008Lm 1085Lm 1119Lm	979Lm 1054Lm 1088Lm	1001Lm 1033Lm	823Lm 849Lm
cation Listed E479873. rdance with LM-79-08. California installations. 5/863			Delivered Lumens	3000K 3500K 4000K	407Lm 430Lm 445Lm 460Lm	1008Lm 1085Lm 1119Lm 1153Lm	979Lm 1054Lm 1088Lm 1120Lm	1001Lm 1033Lm 1063Lm	823Lm 849Lm 874Lm
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	ICAL CHARACTERISTIC 1.95° W x 8.79°D Aluminum body and ju Textured finish. ● Ferrite Dark Grey ● Black Pre-cabled with 10° Be length for pole mount Modular body for tool optical chamber with interchangeability of c Adjustable up to 180° 360° rotatable on the mounting stem suitable accessories for addition 20bs IP66	CAL CHARACTERISTICS  I 95' W x 879'D  Aluminum body and joints for maximum I  Textured finish.  Ferrite Dark Grey Black Pre-cabled with 10' Belden direct burial K  Interchangeability of optics and accessor  Adjustable up to 180' on the vertical surf,  Sdo° rotable on the horizontal axis. Bra mounting stem suitable for direct Jox m  accessories for additional mountings.  2lbs  IP66		r	r	r	r	Image: Second secon	Image: Control light for high intensity applications.       Image: Control light for high intensity applications.         Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Forward Phase).       Power Supply       Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Forward Phase).         Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Forward Phase).       Watage       9W (NSP) / TW (SP)/L/MFL/WFL)         195' W x 879'D       Auminum body and joints for maximum heat dissipation.         Textured finish.       Ferrite Dark Grey       Heritage Brown ● Bronze         Black       White ● Sandstone Grey         Pre-cabled with 0' Belden direct burial 18-6 cable, optional 25ft interchangeability of optics and accessories.       Sandstone Grey         Adjustable up to 180' on the vertical surface with aim lock set screw, 3500' rotabable for direct j-box mount. Optional installation accessories for additional mountings.       Sont         21bs       Optical system is dependent on beam angle. NSP version PMMA lens and holographic filter: SP / FL / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MWFL / WFL versions equipped with PMMA lens and holographic filter: SP / L / MW

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 pg.1 of 7



### **PROPOSED EXTERIOR LIGHTING SPECS**

### BOWMAN 6 WALL SCONCE

TARGETTI

for even the darkest nights.

#### High quality LM80-tested LEDs for consistent long-life performance and color

Outstanding protection against the elements: Marine-grade powder coat finishes Stainless Steel mounting hardware

#### SPECIFICATIONS

DELIVERED LUMENS
WATTS
VOLTAGE
DIMMING
LIGHT DISTRIBUTION
MOUNTING OPTIONS
сст
CRI
COLOR BINNING
BUG RATING
DARK SKY
WET LISTED
GENERAL LISTING
CALIFORNIA TITLE 24

START TEMP FIELD SERVICEABLE LED

CONSTRUCTION HARDWARE FINISH LED LIFETIME WARRANTY\* WEIGHT

\* Visit techlighting.com for specific warr \*\* Available in Black and Bronze finish o

#### ORDERING INFORMATION

700WSBOW	LENGTH	FINISH	LAMP	
	<b>6</b> 6*	B BLACK Z BRONZE H CHARCOAL I SILVER W WHITE	-LED830	LED 80 CRI, 2700K 120V LED 80 CRI, 2700K 277V LED 80 CRI, 3000K 120V LED 80 CRI, 3000K 277V

TECH LIGHTING

The classic silhouette of this sleek LED wall sconce makes it suitable for both indoor and outdoor applications. The Bowman's die-cast aluminum body houses a powerful, long-lasting LED light source tightly controlled for down light only, yet supplying significant illumination

Impact-resistant, UV stabilized frosted acrylic lensing

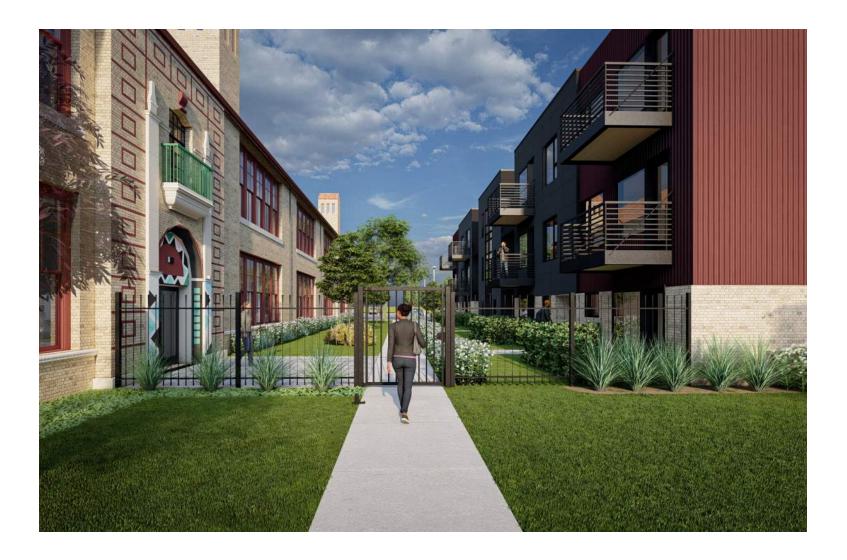
1163         47.2         1200, 277V         ELV         Symmetric         Downlight         2706K**, 3000K         80+         35tep         81-U0-G0         Compliant         1765         ETL         Auronout         Part 6 outdoor use. Registration with CEC 2016 Title 24 Part 6 routdoor use. Registration with CEC 2016 Title 24 Part 6 routdoor use. Registration with CEC 2016 Title 24 Part 6 routdoor use. Registration with CEC 2016 Title 24 Part 8 rown in charceal         No         Aluminum         Stanlees Steel         Marine Grade Powder Coat         L70; 70,000 Hours         S Years         3.2 Ub.         anny turintations and details.	
120v, 277V         ELV         Symmetric         Downlight         2700K**, 3000K         B0+         35kp         B1-U0-60         Compliant         IP65         ETL         Appliance Database not required.         -30°C         Aluminum         Stanless Steel         Marine Grade Powder Coat         L70, 70,000 Hours         5 Years         3.2 Ub.	
EIV Symmetric Downlight 2700K*#, 3000K 80+ 35kp 81-U0-G0 Compliant IP65 ETL Can be used to comply with CEC 2016 Trite 24 April for outdoor use. Registration with CEC Appliance Database not required30°C No Aluminum Stainless Steel Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3 2 lbs. anty limitations and details.	47.2
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Compliant 1965 ETL Can be do comply with CEC 2016 Title 24 Part 6 for outdoor use. Registration with CEC Appliance Database not required. -30°C No Aluminum Stainless Steel Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3.2 lbs. anty limitations and details.	3 Step
IP65         ETL         Can be used to comply with CEC 2016 Title 24         Appliance Database not required.         -30°C         No         Aluminum         Stainles Steel         Marine Grade Powder Coat         L70; 70,000 Hours         5 Years         3.2 lbs.         anty limitations and details.	B1-U0-G0
ETL Can be used to comply with CEC 2016 Title 24 Part 6 for outdoor use. Registration with CEC Appliance Database not required. -30°C BOWMAN 6 shown in charcoal No Aluminum Stainles Steel Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3.2 lbs. any limitations and details.	Compliant
Can be used to comply with CEC 2016 Title 24 Part 6 for outdoor use. Registration with CEC Appliance Database not required. -3°C No Aluminum Stainless Steel Marine Grade Powder Coat L2°0; 70,000 Hours 5 Years 3.2 lbs. anty lumitations and details.	IP65
Part 6 for outdoor use. Registration with CEC Appliance Database not required. -30°C Shown in charcoal No Aluminum Stainless Steel Marine Grade Powder Coat L20; 70,000 Hours 5 Years 3.2 lbs. anty limitations and details. BOWMAN	ETL
No Aluminum Stainless Steel Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3 2 Ibs. BOWMAN	Part 6 for outdoor use. Registration with CEC
Aluminum Stainless Steel Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3.2 lbs. anty limitations and details. BOWMAN	-30°C
Stainless Steel Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3.2 lbs. BOWMAN	No
Marine Grade Powder Coat L70; 70,000 Hours 5 Years 3.2 lbs. anty limitations and details. BOWMAN	Aluminum
L70; 70,000 Hours 5 Years 3.2 lbs. anty limitations and details. BOWMAN	Stainless Steel
5 Years 3.2 lbs. anty limitations and details. BOWMAN	Marine Grade Powder Coat
3.2 lbs. anty limitations and details. BOWMAN	L70; 70,000 Hours
ranty limitations and details. BOWMAN	5 Years
	3.2 lbs.

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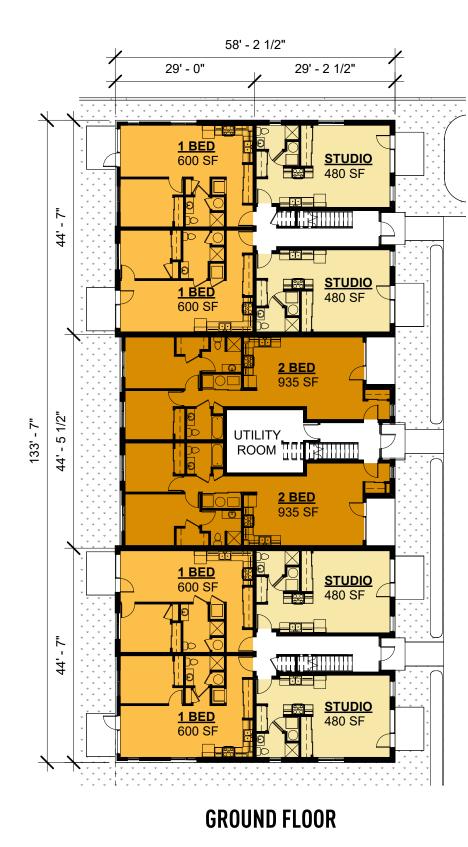


## TOTAL BUILDING DATA: GARDEN APTS.

	COUNT	NET AREA
STUDIO	24	12,240 SF
1 BEDROOM	24	14,400 SF
2 BEDROOM	12	11,900 SF
TOTALS	60	
NET RENTABLE (RESIDENTIAL)	38,540 SF	
GROSS	45,410 SF	
EFFICIENCY	85%	







<u>2 BED</u> 1,020 SF <u>2 BED</u> 1,020 SF <u>1 BED</u> 600 SF 525 SF -00-525 SF <u>1 BED</u> 600 SF -

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<u>1 BED</u> 600 SF <u>STUDIO</u> 525 SF

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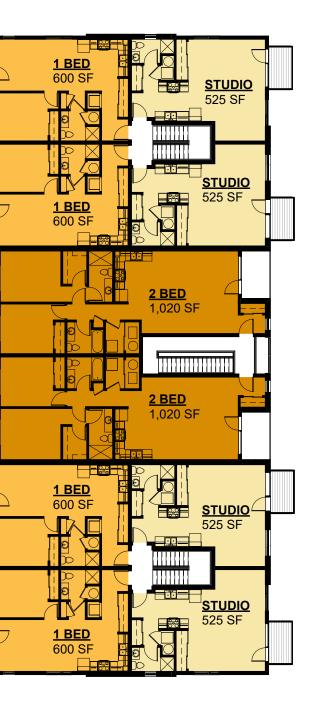
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<u>1 BED</u> 600 SF



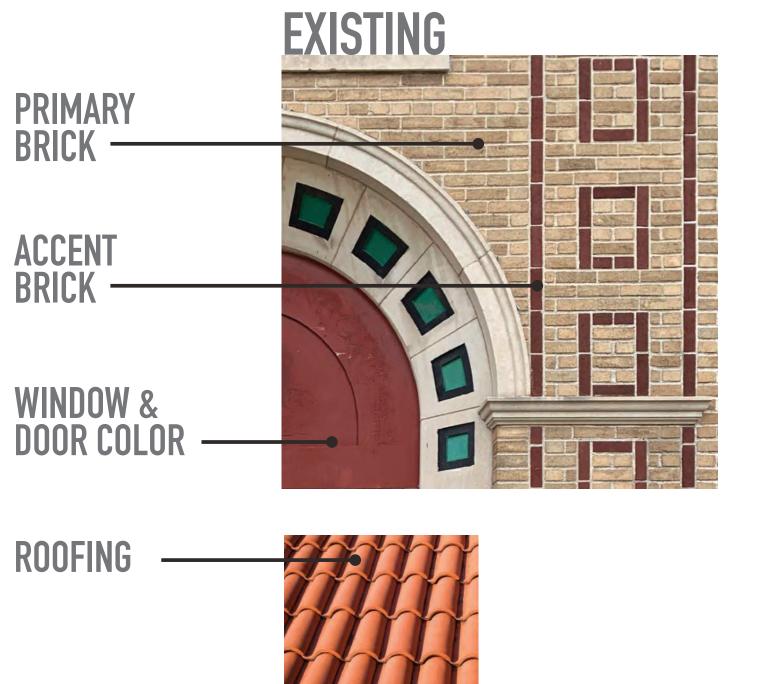






## **THIRD FLOOR**





VERTICAL SIDING

BRICK

CEMENT PANEL

**EXTERIOR MATERIALS** 

# PROPOSED













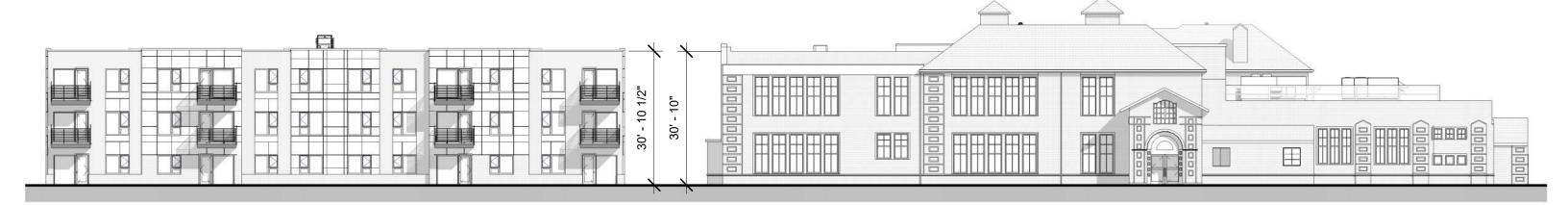
MCINTOSH PORIS ARCHITECTS

## **TYPICAL EXTERIOR ELEVATIONS**

## **SIDE ELEVATION**

## **SIDE ELEVATION**















Aerial view looking Northwest







View from Chippewa







View from Indiana







View from parking lot







View of the mews looking North







View of Courtyard







Looking east from Indiana

Looking north from Chippewa

MEP SIGHT LINE VIEWS



